

martec



Product Catalog



New Jersey • Chicago • Dallas • Houston • Los Angeles • Miami
Costa Rica • Guatemala • Honduras

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In the event that you discover an error, please fax the
correction to the
Martec Parts Marketing Department at:

908-756-2575

Thank you.

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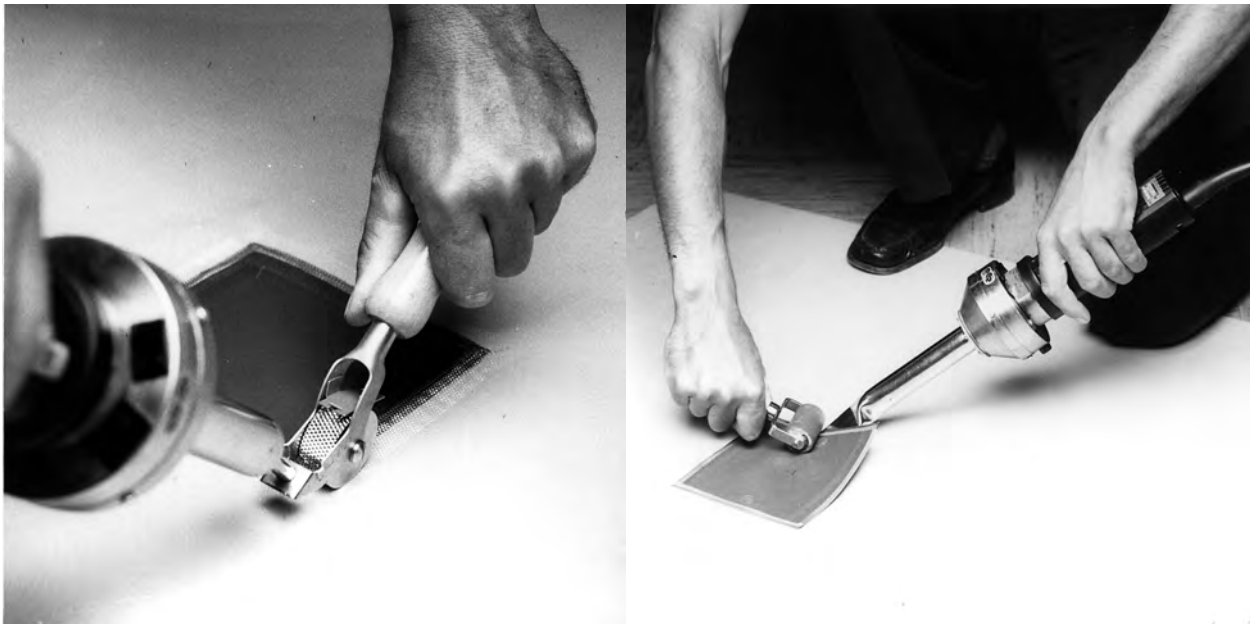
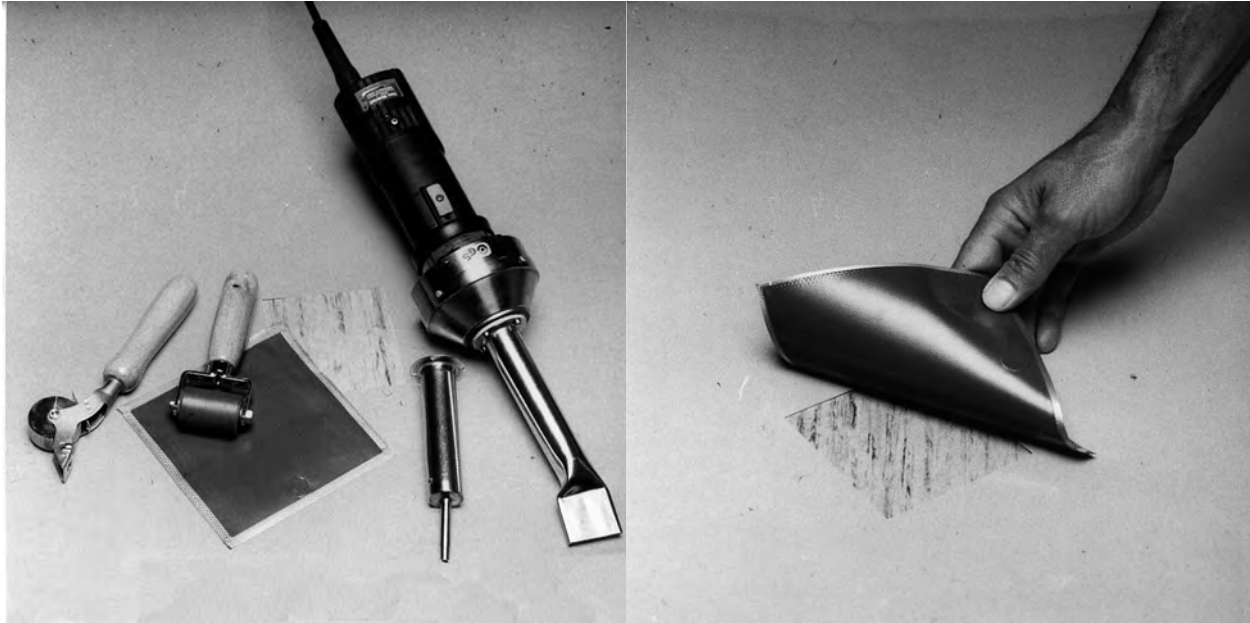
1.1 Precut Patches

Precut patches, consisting of genuine OELLERKING container cover material with customs-approved welded plastic tape on all sides.
Prepackaged in polyethylene bags with handle for easy storage, one size and color per package.

Type A=contents 50 pcs. Type B=contents 25 pcs. Type C=contents 100 pcs. Type D=contents 10 pcs.		
Type A Dimensions	100 x 250 mm = 4" x 10"	1 packing unit = 50 pcs.
	150 x 150 mm = 6" x 6"	1 packing unit = 50 pcs.
	150 x 250 mm = 6" x 10"	1 packing unit = 50 pcs.
	250 x 300 mm = 10" x 12"	1 packing unit = 50 pcs.
Type B Dimensions	100 x 500 mm = 4" x 20"	1 packing unit = 25 pcs.
	150 x 500 mm = 6" x 20"	1 packing unit = 25 pcs.
	250 x 400 mm = 10" x 16"	1 packing unit = 25 pcs.
	250 x 600 mm = 10" x 24"	1 packing unit = 25 pcs.
Type C Dimensions	100 x 100 mm = 4" x 4"	1 packing unit = 100 pcs.
Type D Dimensions	1000 x 150 mm = 40" x 6"	1 packing unit = 10 pcs.
	2500 x 150 mm = 100" x 6"	1 packing unit = 10 pcs.
	2500 x 250 mm = 100" x 10"	1 packing unit = 10 pcs.
	2500 x 100 mm = 100" x 4"	1 packing unit = 10 pcs.
	500 x 500 mm = 20" x 20"	1 packing unit = 10 pcs.

Patches on a Roll 250 x 30,480 mm = 10" x 100'
(one per package) and: 100 x 30,480 mm = 4" x 100'
Colors available: blue and green (other colors upon request)
Minimum quantity: 1 packing unit

1.2 Oellerking Container Customs Patch Application



1.3 Oellerking Container Tarpaulins

Come to Martec for a custom fit

We have your tarp in our inventory

If not, we will make it from
18 oz. or 22 oz. material
according to your specifications

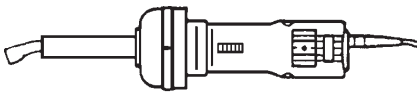
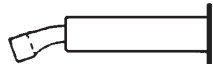
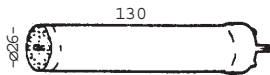
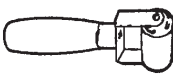
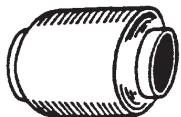
Made of PVC coated Trevira tenacity fabrics

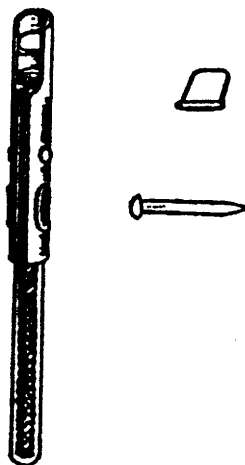
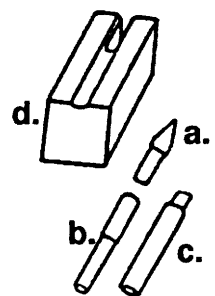
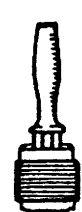


For open-top containers, flats & open-side containers
with custom cables and all accessories.

Base Fabric	Polyester DTEX 1100
Weight	22 oz. approx. 620 g/sqm $\pm$ 5% 18 oz. approx. 510 g/sqm $\pm$ 5%
Tenacity	Warp approx. 3000 N/5 cm Weft approx. 2800 N/5 cm
Tear Resistance	Warp approx. 300 N/5 cm Weft approx. 250 N/5 cm
Resistance to Frost	-30° C (243° K)
Resistance to Heat	When placed into drying cabinet at +80° C no exudation of softening agents
Flame Retardance	DIN 75200
Dimension Stability	Shrinkage and lengthening not more than 1% in warp and weft
Light Fastness	7-8 (except white)
Adhesion	100 N/5 cm

1.4 Accessories for Container Tarpaulins & Patches

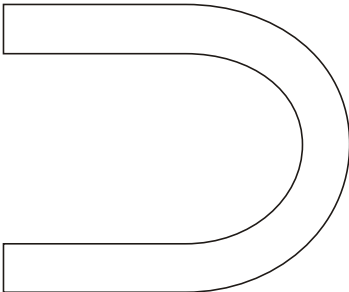
Article Number		Description
Z01		Hot air welding device 110 Volt or 220 Volt Including broad slot nozzle - 40 mm
Z02		Whole set consisting of: • Hot air welding device • Broad slot nozzle - 40 mm • Round nozzle - 20 mm • Customs tape roller • Broad band roller
Z05 Z06 Z07		Broad slot nozzle - 20 mm Broad slot nozzle - 40 mm Round slot nozzle - 5 mm
Z08 Z09		Heating element - 110 Volt Heating element - 220 Volt
Z04		Broad band roller
Z10		Customs tape roller
Z11		Customs tape, made of weldable plastic, in accordance with customs regulation. Width = 9 mm (0.36 in.) Rolls are approx. 150 m (492')
Z13		Tarpaulin cable, customs proof type steel cable, is sheathed with clear PVC, 6 mm dia., with wide core 3 mm dia. Available on coils of approx. 500 m (1650')
Z12		Ready-made customs cable, customs proof type steel cable with 6 mm dia. Cable sealing ends are attached to both sides including oval tubular rivet and pointed rivet. • For 20' Container • For 40' Container • For 35' Container

Article Number		Description
Z14 Z14B		Cable sealing ends in accordance with customs regulations for 6 mm tarpaulin cable, including oval tubular rivet and galvanized pointed rivet. Packing unit: 100 complete B. Oval rivets and pointed rivets per 100.
Z15		Driving tool for the fastening of customs sealing ends on the tarpaulin cable 6 mm dia. Complete set (a-d)
Z16		Spike (a) Spare part for Z15
Z16A		Clamp for spike (b)
Z16B		Stemple (c)
Z16C		Body (d)
Z26		Driving hammer with leather covering for the affixing of grommets
Z17 Z19		Oval grommets Brass, approx. 40 x 20 mm (1.6" x 0.80") Steel, approx. 40 x 20 mm (1.6" x 0.80")

Article Number		Description
Z18 Z20 Z20A Z20B Z20C Z20D Z20E Z20F		Round grommets Brass, approx. 40 mm dia. (1.6") Steel, approx. 40 mm dia. (1.6") Brass, approx. 25 mm dia. (1.0") Steel, approx. 25 mm dia. (1.0") Brass, approx. 18 mm dia. (0.7") Steel, approx. 18 mm dia. (0.7") Brass, approx. 10 mm dia. (0.4") Steel, approx. 10 mm dia. (0.4")
Z23 Z24 Z24A Z24B Z24C		Hand-clasp iron For oval grommets 40 x 20 mm (1.6" x 0.8") For round grommets 40 mm dia. (1.6") For round grommets 25 mm dia. (1.0") For round grommets 18 mm dia. (0.7") For round grommets 10 mm dia. (0.4")
Z21 Z22 Z22A Z22B Z22C		Hollow punch For oval grommets approx 40 x 20 mm (1.6" x 0.8") For round grommets approx 40 mm dia. (1.6") For round grommets approx 25 mm dia. (1.0") For round grommets approx 18 mm dia. (0.7") For round grommets approx 10 mm dia. (0.4")

Please also ask for Con Glue, our tarp patch glue/brush applicator

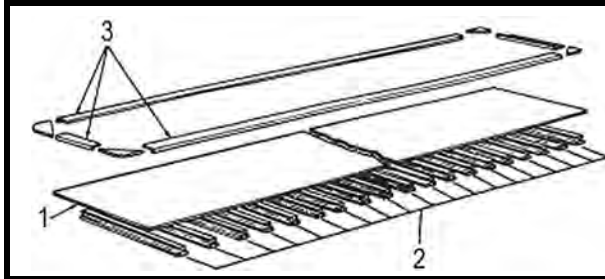
1.5 Tarp Hooks



1. 17THOOKS

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2.1 Roof Assembly



ROOF ASSEMBLY

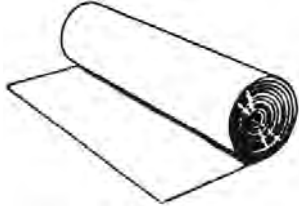
1. Roofing
2. Roof Bows
3. Roof Retainer & Cover Moulding
4. Roof Accessories

2.1.1: ROOFING

2.1.1.1: ALUMINUM ROOFING

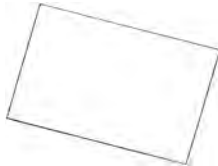
Part Number	Material	Description	Figure
ALU1-1	Aluminum	.040" x 96" x length	
ALU1-4	Aluminum	.040" x 103" x length	

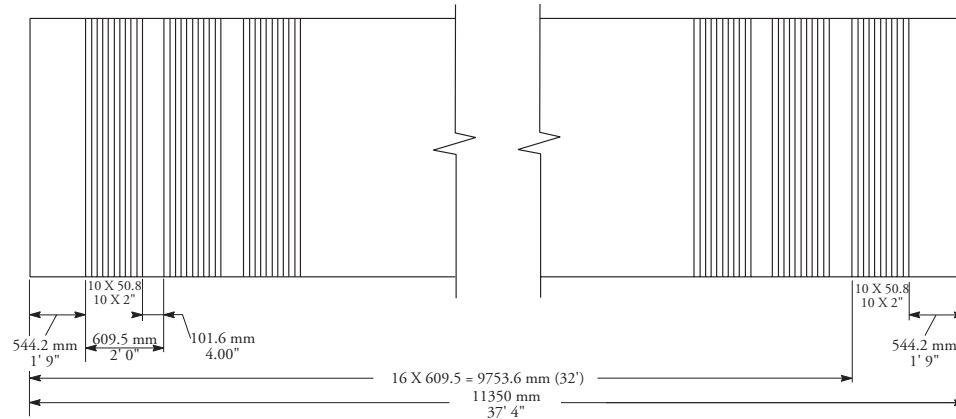
2.1.1.2: TRANSLUCENT ROOFING

Part Number	Material	Description	Figure
KEM60-1	Kemlite	.060" x 102" x length	
KEM60-1-33	Kemlite	.060" x 102" x 33'	
KEM60-1-53	Kemlite	.060" x 102" x 53'	
KEMETR102.5X54	Kemlite Enhanced Tear Resistance	.075" x 102.5" x 54'	
KEM75-1	Kemlite	.075" x 102" x length	
KEM75-1-49	Kemlite	.075" x 102" x 49'	
KEM75-1-54	Kemlite	.075" x 102" x 54'	
KEMTRFW.075X500*	Kemlite	.075" x 102" x 500'	
USLBTR05X102X54	Bulitex	.050" x 102" x 54'	

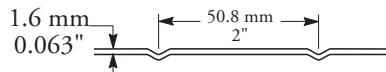
* This product is approved for Aftermarket replacement only.

2.1.1.3: FRP REPLACEMENT ROOF PANEL

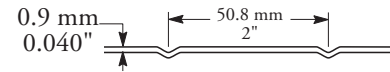
Part Number	Material	Description	Figure
CRT50-10	FRP	.050" x 94.75" x 10'	

2.1.1.4: ROOF COILS
Corrugated Roof Coil


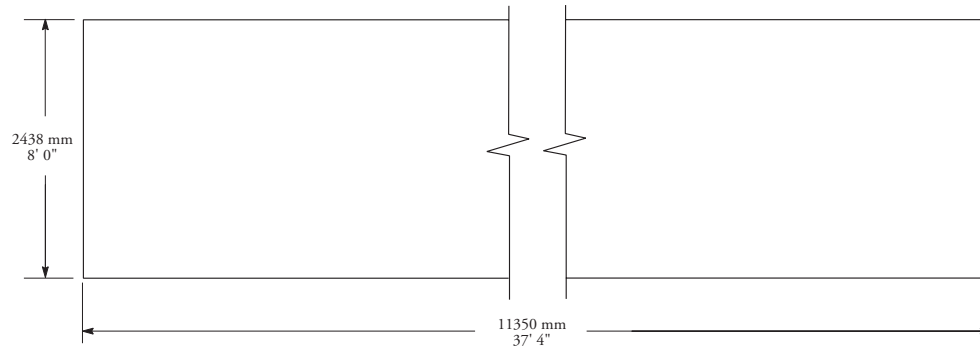
Material: AA5052-H34 or 3003-H16



1. 39RFRCCOR (Outer)



1. 39RFRCCORI (Inner)

Flat Roof Coil


Material: AA5052-H34 or 3003-H16

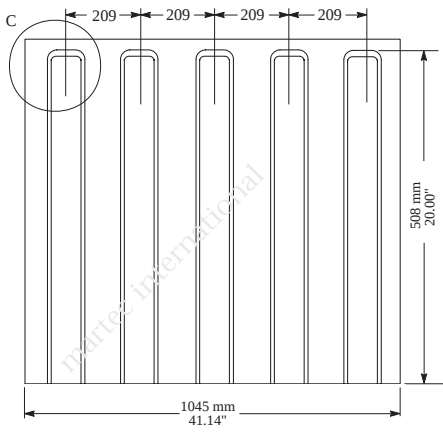


1. 53RF063COIL



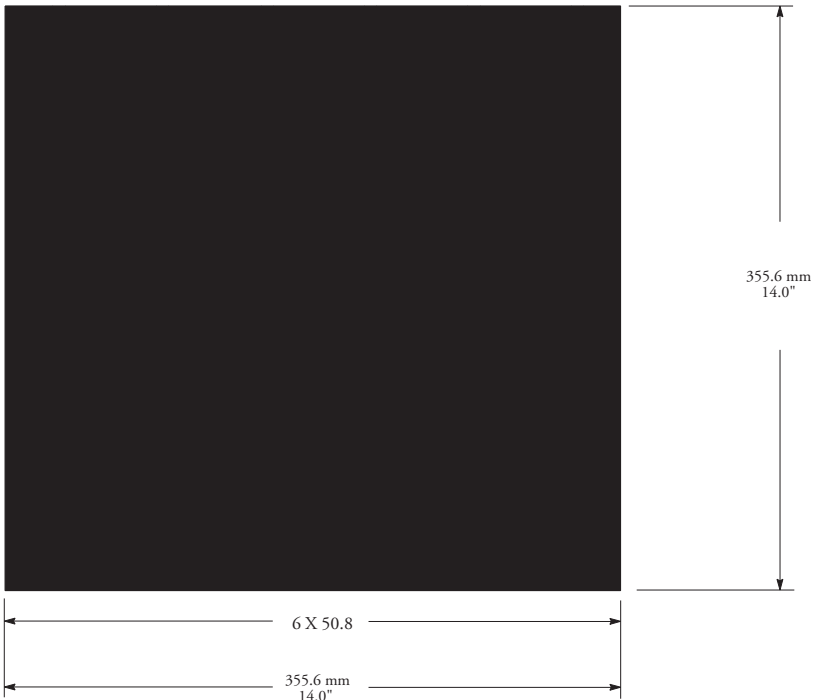
1. 53RFCOIL

2.1.1.5: ROOF PATCHES



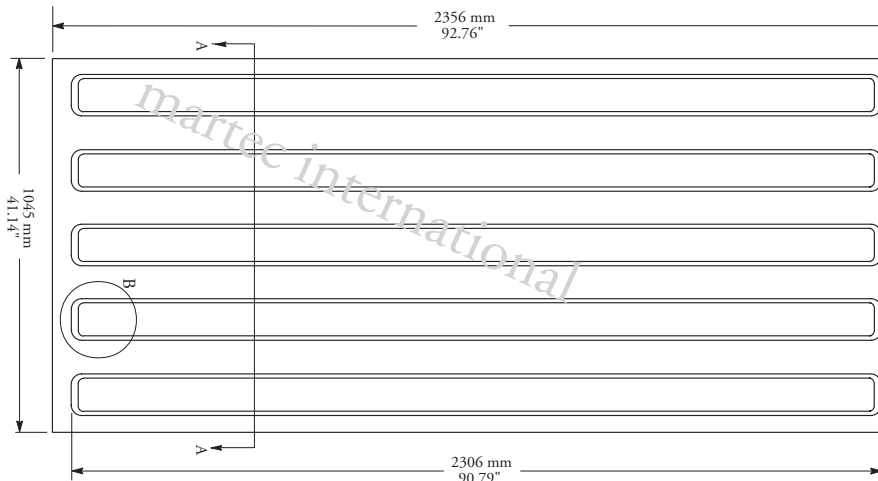
No. Corrugations: 5
Material Thickness: 2.0 mm (0.079")
Depth of Corrugations: 20 mm (0.79")
Material: Zinc Primed Steel

1. 51 MTR 17PAC



1. 57RFALRP
Material: Aluminum

2.1.1.6: ROOF PANELS



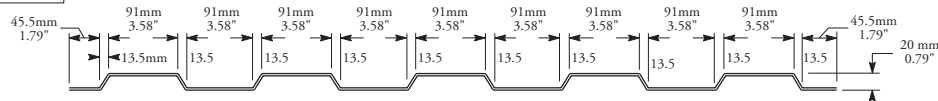
No. Corrugations: 5

Material Thickness:
2.0 mm (0.079")

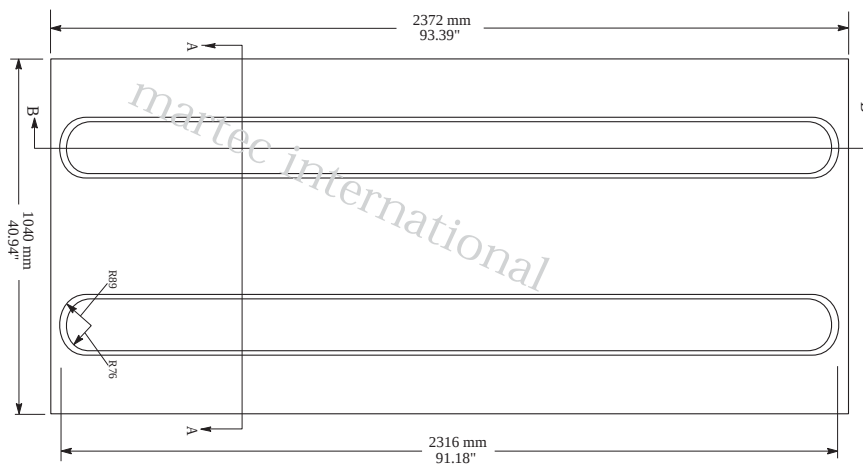
Depth of Corrugations:
20 mm (0.79")

Material: Steel Zinc Primer

SECTION A-A



1. MTR 17AC



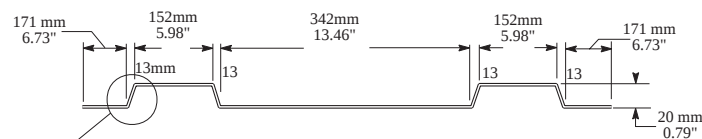
No Corrugations: 2

Material Thickness:
2.0 mm (0.079")

Depth of Corrugations:
20 mm (0.79")

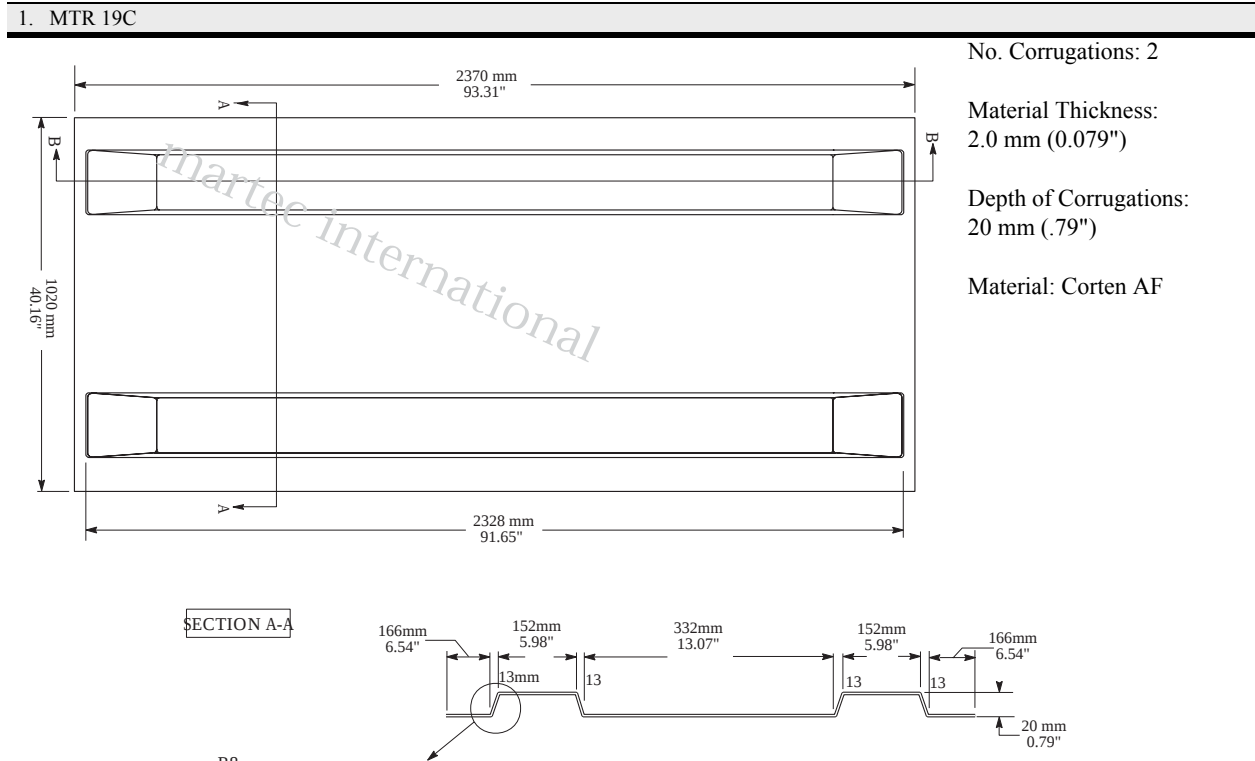
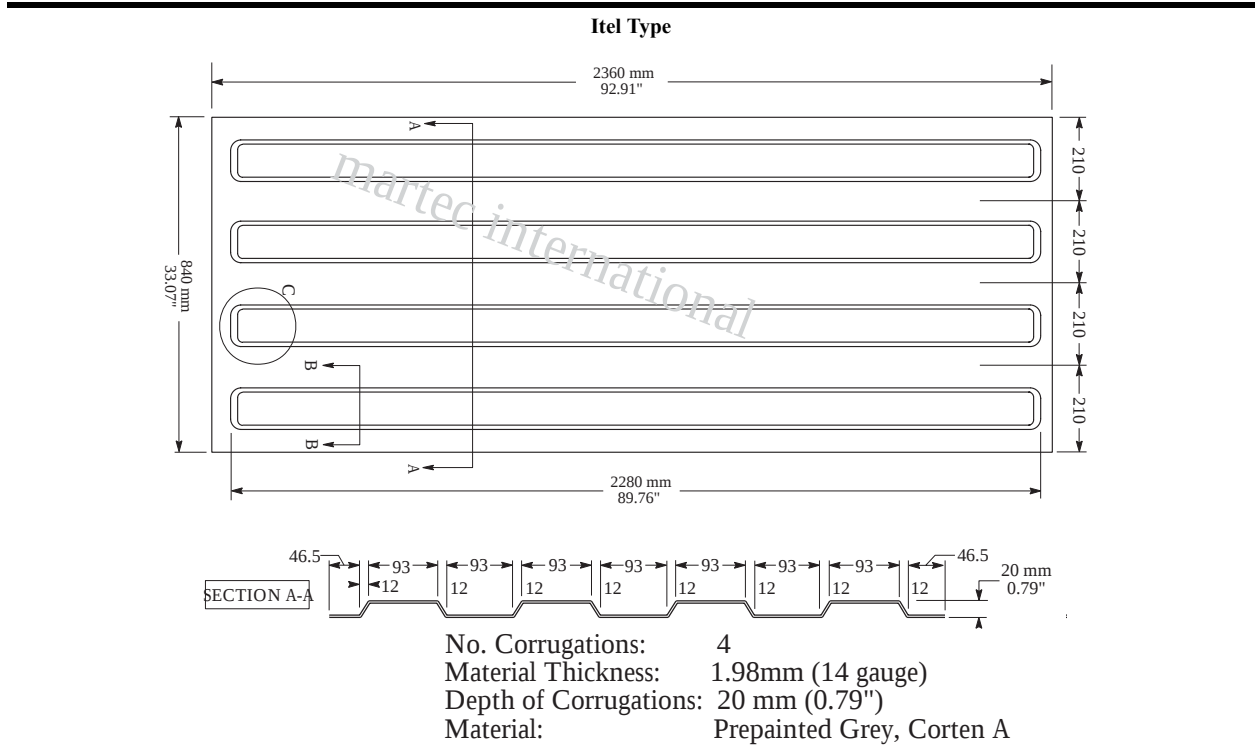
Material: Steel

SECTION A-A

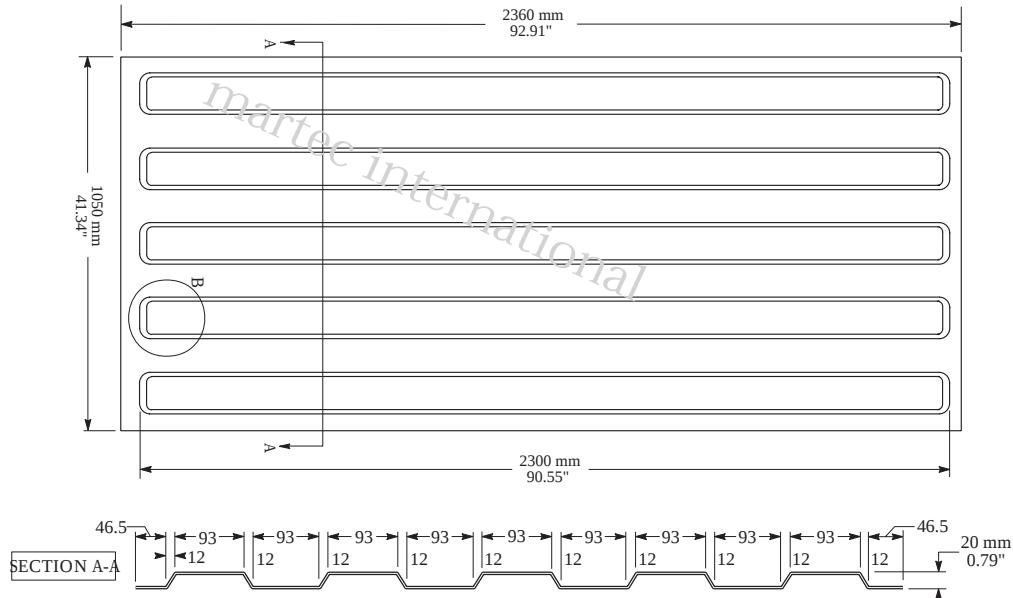


1. MTR 18PR

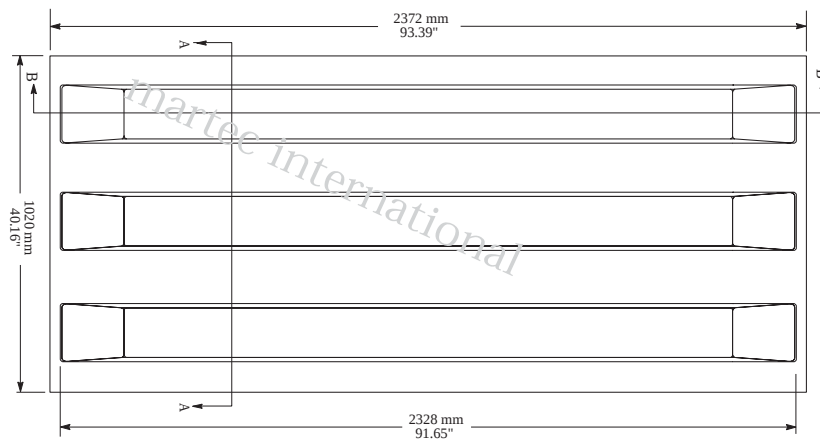
2.1.1.6: ROOF PANELS



1. MTR 20C

2.1.1.6: ROOF PANELS


No. Corrugations: 5
 Material Thickness: 1.98mm (14 gauge)
 Depth of Corrugations: 20 mm (0.79")
 Material: Prepainted Grey, Corten A

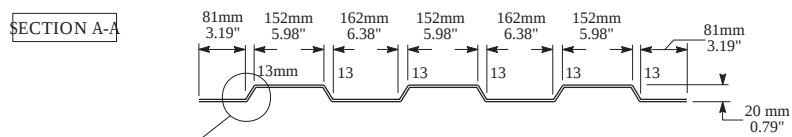
1. MTR 22CP


No. Corrugations: 3

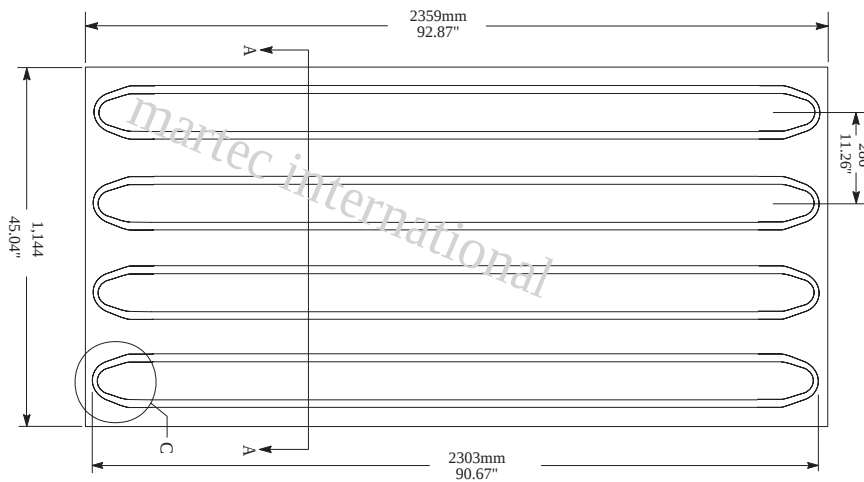
Material Thickness:
 2.0 mm (0.079")

Depth of Corrugations:
 20 mm (0.79")

Material: Corten AF


1. MTR 25CP

2.1.1.6: ROOF PANELS



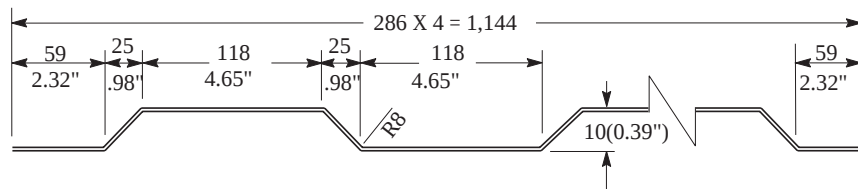
No. Corrugations: 5

Material: Corten

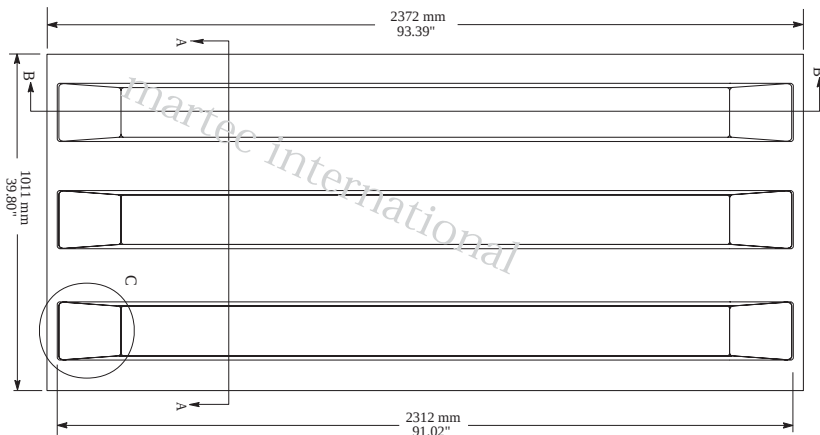
Material Thickness: 2 mm
(0.079")

Depth of Corrugations: 10 mm
(0.394")

SECTION A-A



1. MTR27



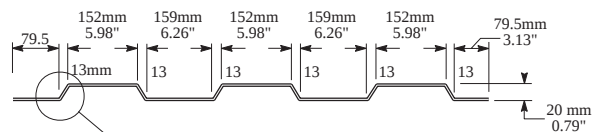
No. Corrugations: 3

Material Thickness:
2.0 mm (0.079")

Depth of Corrugations:
20 mm (0.79")

Material: Corten AF

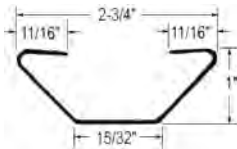
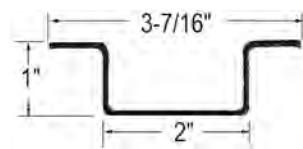
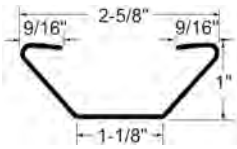
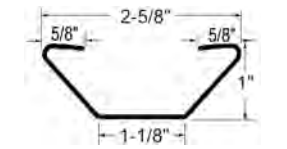
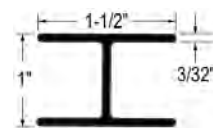
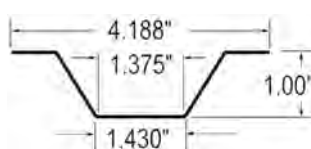
SECTION A-A



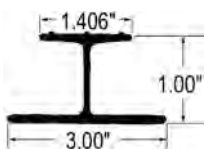
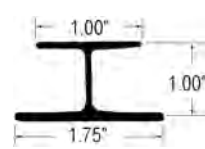
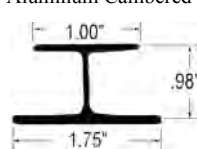
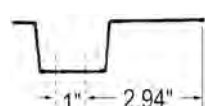
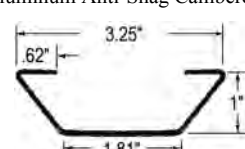
1. 52HFRSMS

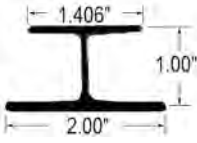
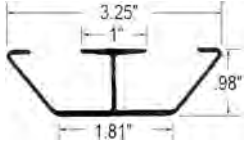
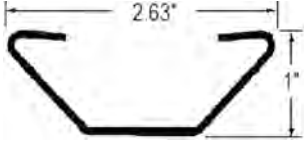
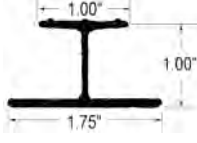
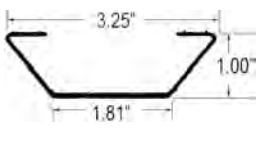
2.1.2: ROOF BOWS

2.1.2.1: WABASH ROOF BOWS

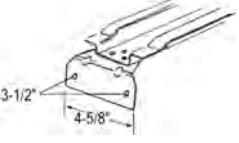
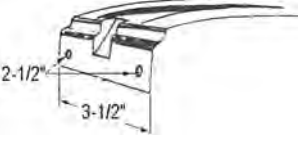
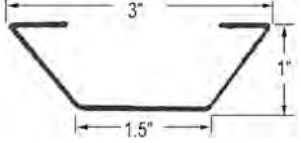
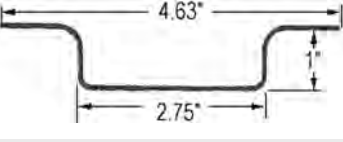
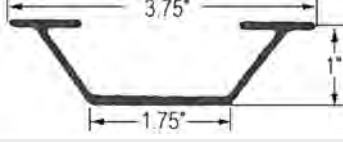
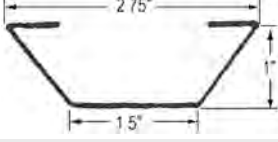
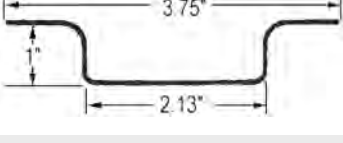
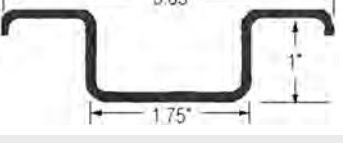
Steel Anti-Snag Cambered  1. WAB07200003 99-3/8"	Alum. Anti-Snag Cambered  1. WAB07200004 93" 2. WAB07200005 99"	Steel Cambered  1. WAB07200012 99" 2. WAB07200013 93"
Steel Anti-Snag Cambered  1. WAB07200028 16 ga. 99" 2. WAB07200029 16 ga. 93" 3. WAB07200033 16 ga. 98-3/4" 4. WAB07200106 18 ga. 96"	Galv. Steel Anti-Snag Flattened Ends  1. WAB07200040 93-3/4"	Aluminum Cambered  1. WAB07200043 99" 2. WAB07200044 92-5/8"
Steel Cambered  1. WAB07200074 99"		

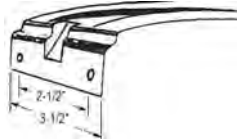
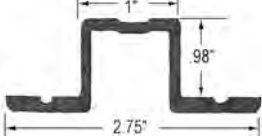
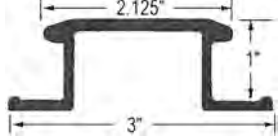
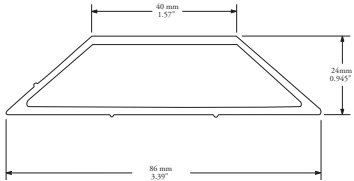
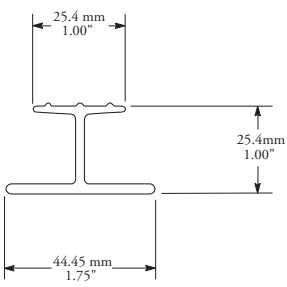
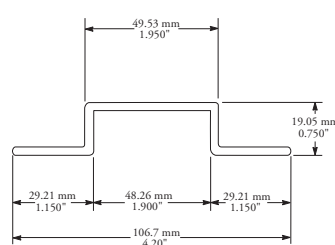
2.1.2.2: FRUEHAUF ROOF BOWS

Aluminum Cambered  1. FRUBCF5836-2 98.5"	Aluminum Cambered  1. FRURCC8431-2 92-1/2" 2. FRURCC8431-3 98-1/2" 3. FRURCE0169-1 92-3/4"	Aluminum Cambered  1. FRURCE3393-1 91-1/4"
Aluminum Cambered  1. FRURCF3509-3 98.62"	Aluminum Rear  1. FRURCF3513-2 101.09"	Aluminum Anti-Snag Cambered  1. FRURCF3718-1 98.5"

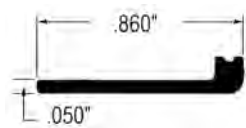
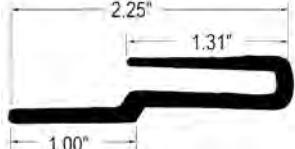
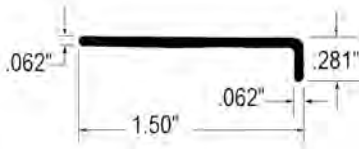
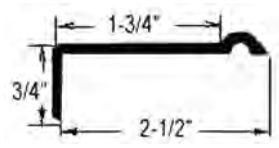
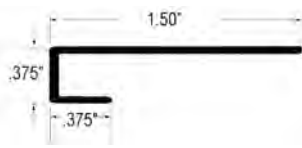
Aluminum Cambered  1. FRURCF4048-1 98-1/2"	Aluminum Anti-Snag Cambered  1. FRURCF4335-3 92-1/2" 2. FRURCF4335-4 98-1/2" 3. FRURCF4335-6 97-1/8"	Steel Anti-Snag Flattened Ends  1. FRURCF8426-1 91-1/8" 2. FRURCF8426-2 97-1/8"
Aluminum  1. FRUSTK20511-101 101-3/8"	Aluminum Anti-Snag  1. FRUSTK21247-101 101-3/8"	

2.1.2.3: OTHER MANUFACTURER'S ROOF BOWS

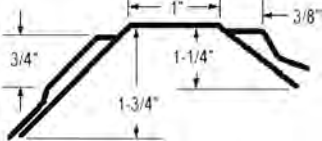
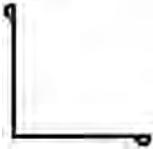
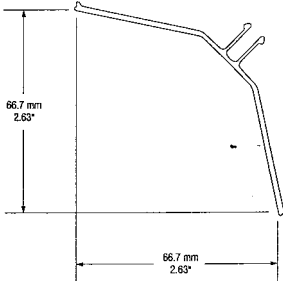
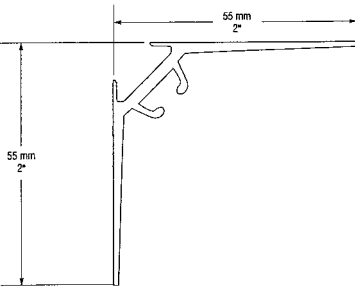
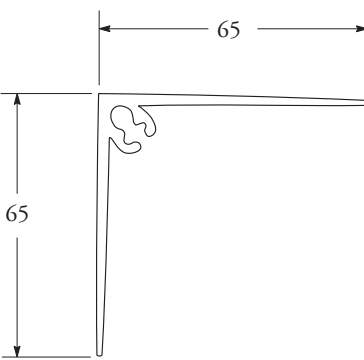
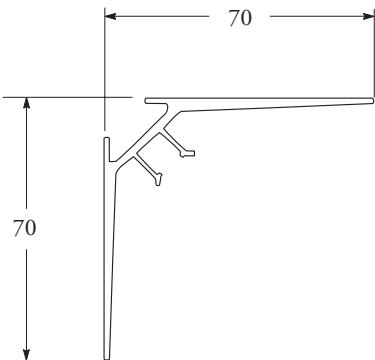
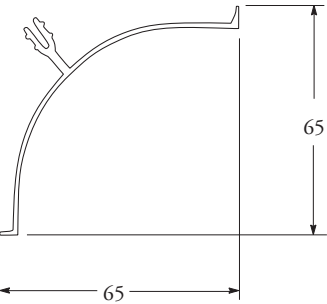
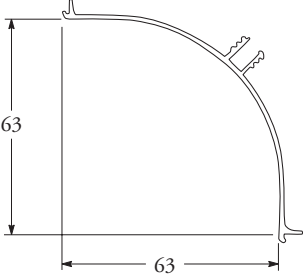
Steel 3 pc. BUDD Style  1. BUD2240 92-5/8"	Steel 1 pc. BUDD Style  1. BUD2426 92-3/4" 2. BUD2500 98-7/8"	Steel Anti-Snag DORSEY Style  1. DSY121069903 98-3/4"
Steel #1208898099 DORSEY Style  1. MTR03011215 102"	Aluminum GREAT DANE Style  1. GDA08581 92-1/4" 2. GDA13405 98-1/2"	Steel MILLER Style  1. MLR900-002801 99-1/4"
Steel MILLER Style  1. MLR900-055649 92-5/8"	Alum. MONON Style  1. MONV07-118B 99"	Steel MONON Style  1. MON7-1-0001-02-0 99"
Steel STOUGHTON Style  1. STO03-09750-000-00 98"	Steel STOUGHTON Style  1. STO04-07660-000-00 98-1/2"	Steel 3 pc. STOUGHTON Style  1. STO23-06636-000-00 98-3/4"

STOUGHTON Style  1. STO23-08465-000-00 Steel 98-3/4" 2. STO23-04039-000-00 Alum. 98-3/4"	Steel 3 pc. STOUGHTON Style  1. STO23-04006-000-00 98-1/4"	Steel 1 pc. STRICK Style  1. STRAA39C00020100 92-3/4" 2. STRAA39C00120100 98-7/8"
Steel STRICK Style  1. STRAA39C00210100 99" 2. STRAA39C00210400 100-3/8"	Aluminum TRAILMOBILE Style  1. TMB90-4-1098-100 100"	Aluminum TRAILMOBILE Style  1. TMB90-4-703-94 93-1/2"
 1. 31RFRB10 Material: 6061-T6 Aluminum	 1. 31RFRB3 Material: 6061-T6 Aluminum	 1. 31RFRB1 Material: 6061-T6 Aluminum

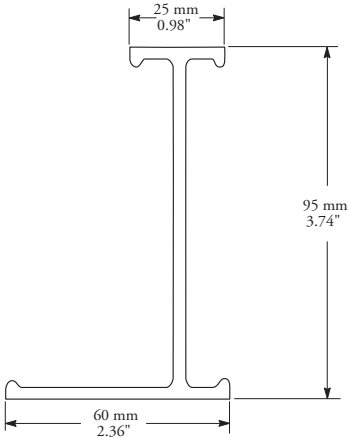
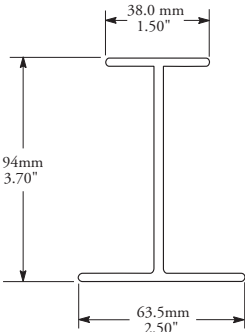
2.1.3: ROOF RETAINERS & COVE MOLDINGS

Aluminum Retainer  1. FRUSTK20004-120 120"	Aluminum Retainer  1. FRUSTK21240-67 67"	Aluminum Retainer  1. FRUSTK21620-36 36'
Aluminum Mill Finish Retainer  1. FRUSTK30145-50 50'	Aluminum FRP Roof Cap  1. MTRE0146360 53'	Aluminum J Molding  1. MTRE0821200 10'

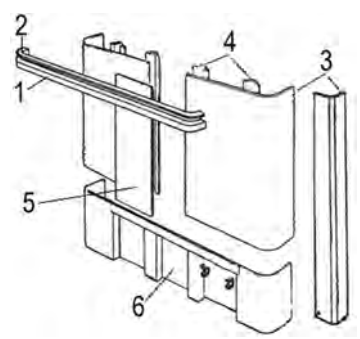
2.1.3: ROOF RETAINERS & COVE MOLDINGS

White Vinyl Cove Molding  1. MTRV0052910 24'3"	White Vinyl Cove Molding  1. MTR24200024 2" x 2" x 24' 2. MTR24200074 2" x 3" x 24'	Cove Molding - Inner  1. 39RFCMINNER Material: 6061-T6 Aluminum
Cove Molding - Outer  1. 39RFCMOUTER Material: 6061-T6 Aluminum	Cove Molding - Outer  1. 43RF31414017 Material: 6061-T6 Aluminum	Cove Molding - Outer  1. 40RF001488838 Material: 6061-T6 Aluminum
Cove Molding - Inner  1. 43RF3141476 Material: PVC	Cove Molding - Inner  1. 40RF001488902 Material: 6061-T6 Aluminum	

2.1.4: ROOF STRINGERS

		
1. 40RF0064522 Material: PVC	1. 39RFRSPVC Material: PVC	1. 40RF0064355 Material: PVC

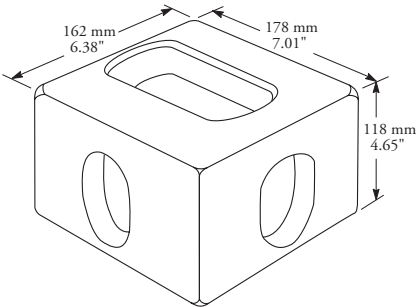
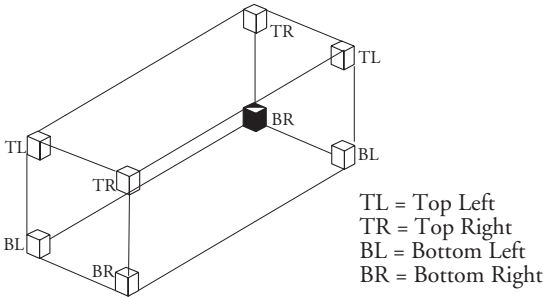
2.2 Front Wall Assembly



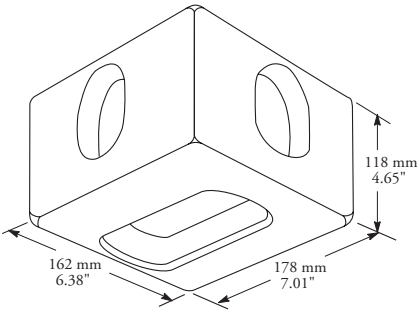
1. Nose Rails
2. Corner Caps & Protectors
3. Corner Radius & Posts
4. Nose Posts
5. Nose Panels
6. Bulkheads

2.2.1: NOSE RAILS

2.2.1.1: CORNER FITTINGS



Top Left Corner Casting
Top Right Corner Casting (Symetrical)

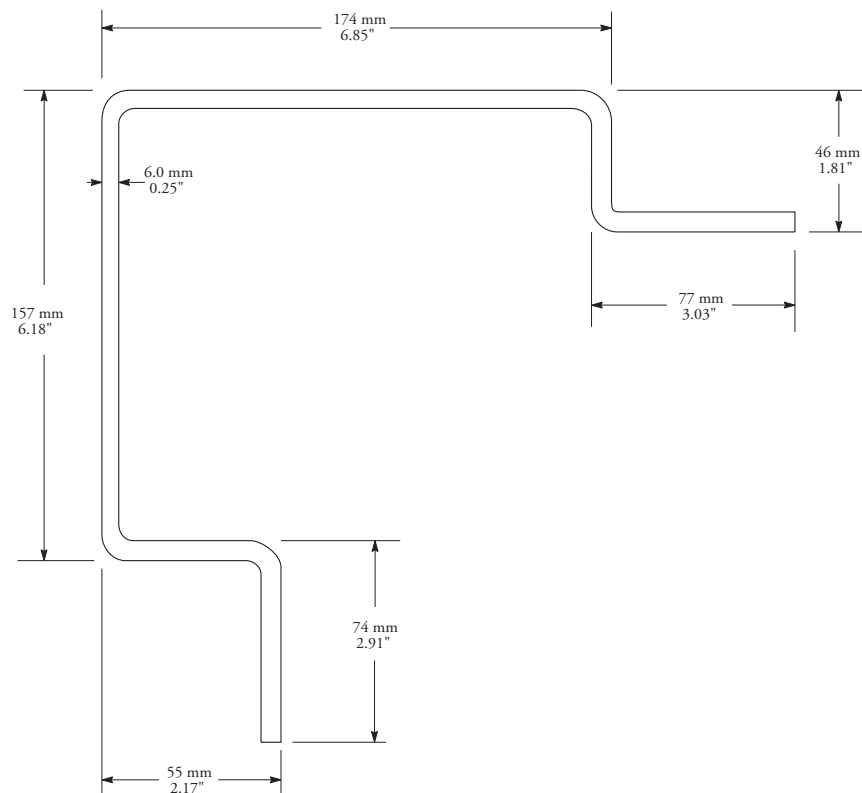


Bottom Left Corner Casting
Bottom Right Corner Casting (Symetrical)

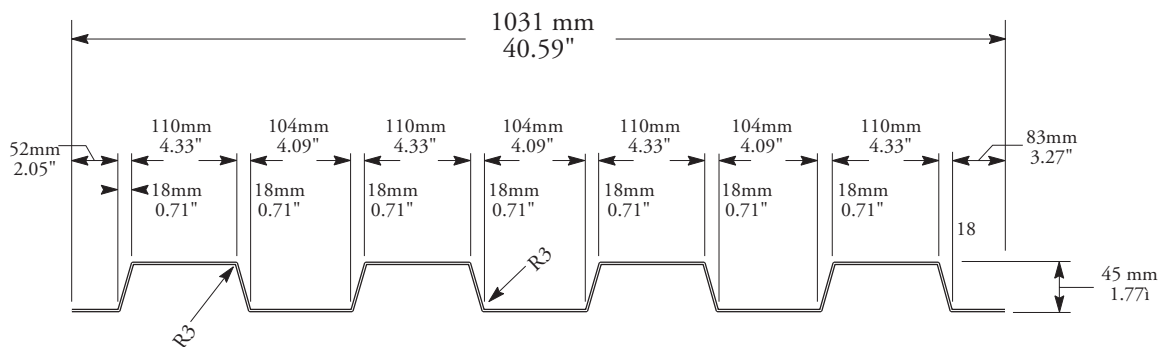
Weight/Casting: 25 lbs (11.34 kg)

1. ISO Corner Castings

Classification/certification from all major classification societies available upon request.

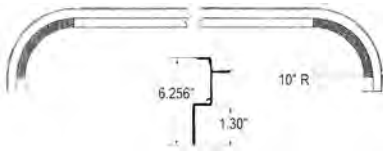
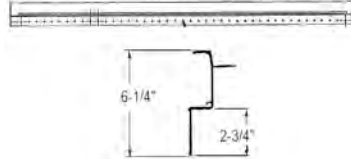
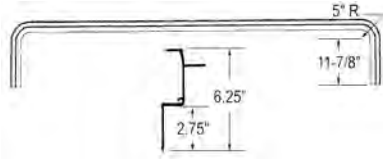
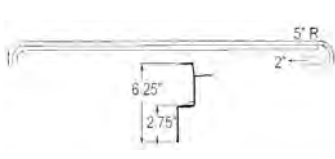
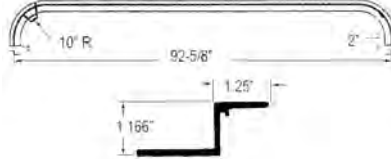
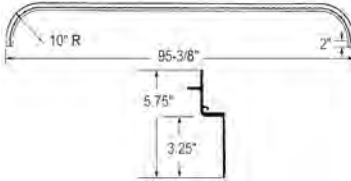
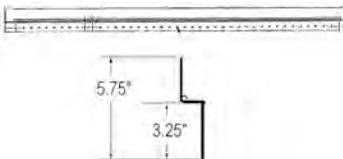
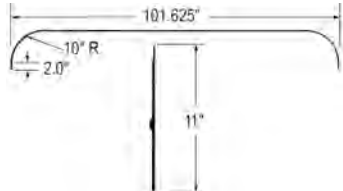
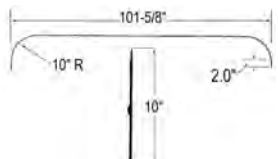
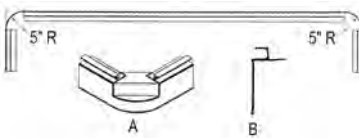
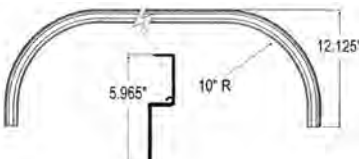
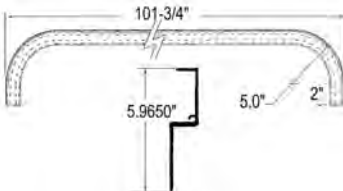
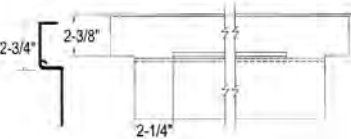
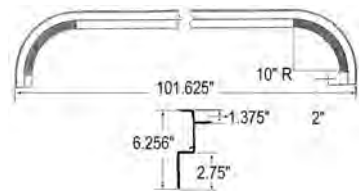
2.2.1.2: FRONT CORNER POST


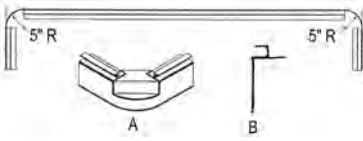
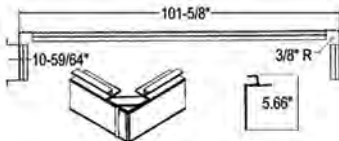
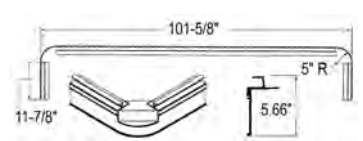
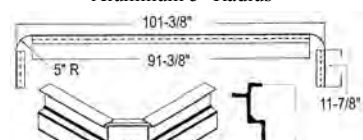
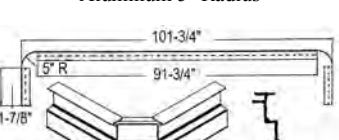
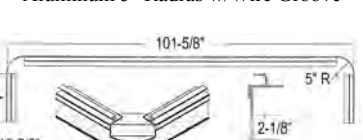
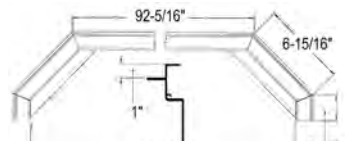
1. 47 MTR 01FCPC
 Material: High Tensile Steel

2.2.1.3: FRONT PANEL


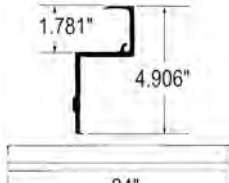
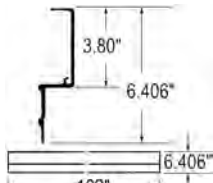
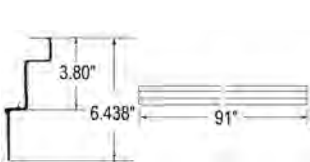
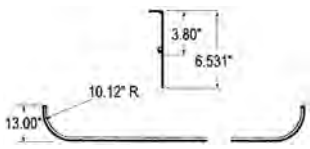
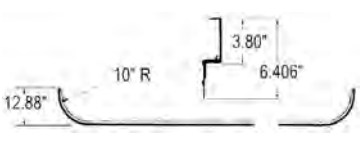
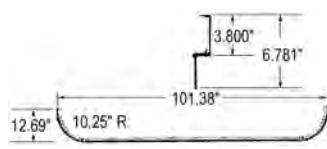
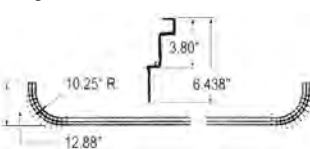
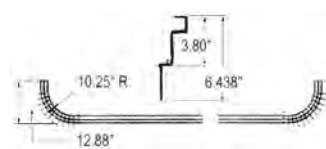
No. Corrugations: 4	Depth of Corrugations: 45mm (1.77")	Material: Corten, primed	Length: 2,743mm (108")
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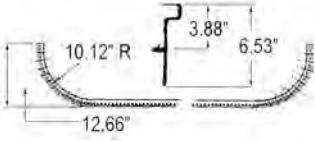
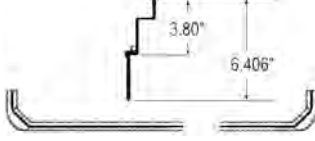
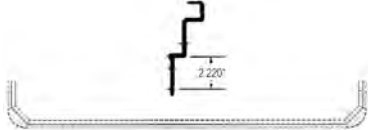
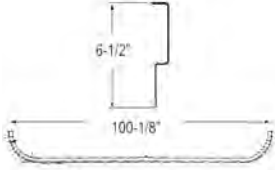
2.2.1.4: WABASH NOSE RAILS

Aluminum 10" Radius  1. WAB04A00005 102" trailer 2. WAB04A00062 96" trailer	Aluminum FRP Straight  1. WAB04A00013 89-1/8"	Aluminum Universal Straight  1. WABE0011080 108" cut to length
Aluminum 5" Radius  1. WAB04A00211 102" trailer 2. WAB04A00238 96" trailer	Aluminum 5" Radius  1. WAB04A00218 102" trailer	Aluminum 10" Radius 2 pc. Upper  1. WAB04A00321 92-5/8"
Aluminum 10" Radius 2 pc. Lower  1. WAB04A00322 95-3/8"	Aluminum Reefer  1. WAB04A00369 81-5/8"	Aluminum 10" Radius Reefer Lower  1. WAB04A00376 102" trailer
Aluminum 10" Radius Reefer Lower  1. WAB04A00415 102" trailer	Aluminum 10" Radius  1. WAB04000595 102" trailer	Aluminum 10" Radius  1. WAB04A00735 102" trailer 2. WAB04A00736 96" trailer
Aluminum Reefer 5" Radius  1. WAB04A00800 102" trailer	Aluminum Reefer Kroger Style  1. WAB04A00873 102" trailer	Aluminum 10" Radius Roadway Style  1. WAB04A00985 102" trailer

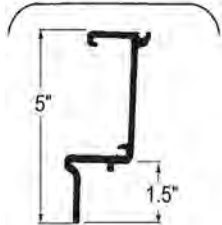
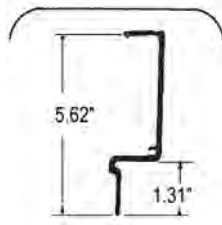
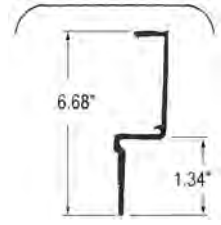
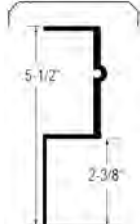
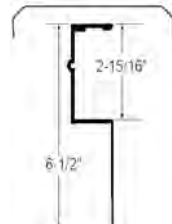
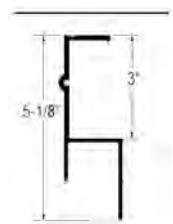
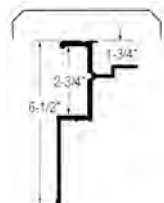
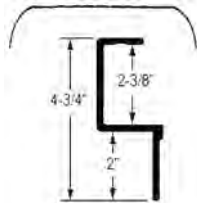
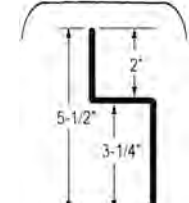
Aluminum 5" Radius  1. WAB04000001 102" trailer	Aluminum 3/8" Radius  1. WAB04000002 102" trailer	Aluminum 5" Radius w/Wire Groove  1. WAB04000015 102" trailer
Aluminum 5" Radius  1. WAB04000041 102" trailer	Aluminum 5" Radius  1. WAB04000058 102" trailer	Aluminum 5" Radius w/Wire Groove  1. WAB04000157 102" trailer
Aluminum Reefer 5" Diagonal  1. WAB04000344 102" trailer		

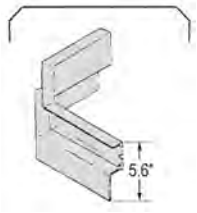
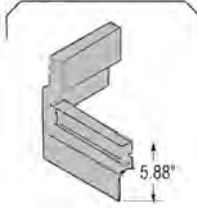
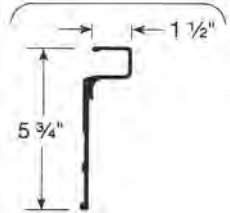
2.2.1.5: FRUEHAUF NOSE RAILS

Aluminum Straight Hobbs Style  1. FRUSTK20545-94 94"	Aluminum  1. FRUSTK21060-102 102"	Aluminum Straight Hobbs Style  1. FRUSTK21497-91 91"
Aluminum 10" Radius  1. FRUBCF4479-1 102" trailer	Aluminum 10" Radius FB Old Style  1. FRUWCC8098-1 95-3/8" Replaces WQA1622	Aluminum 10" Radius FB  1. FRUWCF2555-1 95.38" Replaces WCF0158-1, WCF3061-1 2. FRUWCF3959-1 101.38" Replaces WCF 3721-1
Aluminum 10" Radius FRP  1. FRUWCF4575-1 95.38" Replaces WCF0200-1, WCF4659-2 WQA0818-2 2. FRUWCF4660-1 101.38" Replaces WCF4659-2	Unpunched Aluminum 10" Radius  1. FRUWCF5903-901 101.38" Replaces WCF4470-1, WCF4781-1 WCF5524-1, WNC2893-1, WNE1304, WNE1725-1	Punched Aluminum 10" Radius  1. FRUWCF5903-1 101.38" 2. FRUWCF5903-2 95.38" Replaces WCF4781-2

Aluminum 10" Radius FG  1. FRUWCF4844-2 92.62"	Aluminum  1. FRUWCF9003-2 102" trailer	Aluminum  1. FRUWCG0057-1 102" trailer
Steel FB  1. FRUWNC2348-1P 100-1/8"		

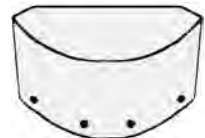
2.2.1.6: OTHER MANUFACTURER'S NOSE RAILS

Aluminum BUDD Style  1. BUD2430 96" trailer	Aluminum BUDD Style  1. BUD2435 96" trailer	Aluminum BUDD Style  1. BUD2432 102" trailer
Aluminum Diagonal DORSEY Style  1. DSYFR28053 96" trailer 2. DSYFR28277 102" trailer	Aluminum Diagonal DORSEY Style  1. DSYFR28060 96" trailer	Aluminum Straight DORSEY Style  1. DSY5248166084 84-1/4"
Aluminum Diagonal DORSEY Style  1. DSYC-4077201 102" trailer	Aluminum GREAT DANE Style  1. GDA12543 96" trailer 2. GDA76340 102" trailer	Aluminum GREAT DANE style  1. GDA76810 102" trailer

Aluminum STOUGHTON Style  1. STO20-06677-000-XX 102" trailer	Aluminum STOUGHTON Style  1. STO20-09274-001-00 102" trailer	Aluminum STOUGHTON Style  1. STO02-13865-091-00 91"
Aluminum TRAILMOBILE Style  1. TMB511-1-109-2 96" trailer 2. TMB511-1-109-2-1 102" trailer		

2.2.2: CORNER CAPS AND PROTECTORS

2.2.2.1: WABASH CORNER CAPS & PROTECTORS

Diagonal  1. WAB04A00370 Upper 2. WAB04A00371 Lower	Diagonal  1. WAB04300002 Universal	Plate Trailer  1. WAB04000020 Universal
Aluminum Corner Protection  1. WAB04000261 5" Radius 2. WAB04000347 10" Radius		

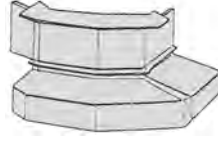
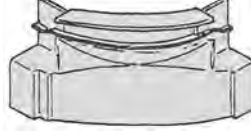
2.2.2.2: FRUEHAUF CORNER CAPS

HOBBS Style  1. FRUHBB740255 R/S 2. FRUHBB740256 C/S	HOBBS Style  1. FRUHBB740257 R/S 2. FRUHBB740258 C/S	 1. FRUWCD2914-1 R/S 2. FRUWCD2914-2 C/S
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 1. FRUWCE9183-1 R/S 2. FRUWCE9183-2 C/S	 1. FRUWCF5942-1 R/S 2. FRUWCF5942-2 C/S	 1. FRUWCF9196-1 Universal plastic
 1. FRUXCF3884-1 R/S 2. FRUXCF3884-2 C/S		

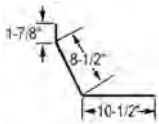
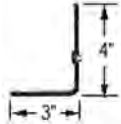
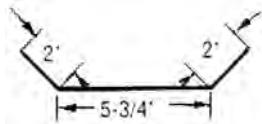
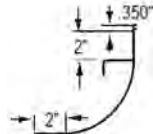
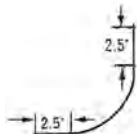
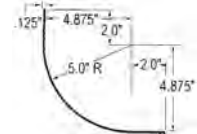
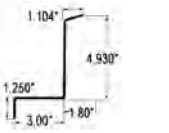
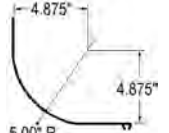
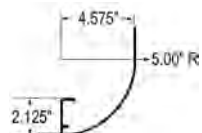
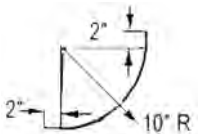
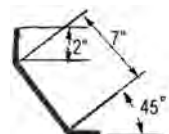
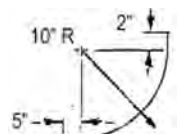
2.2.2.3: OTHER MANUFACTURER'S CORNER CAPS & PROTECTORS

BUDD Style  1. BUDA01D24129 Universal	DORSEY Style  1. DSY5244201 Universal	LUFKIN Style  1. LUFDP60113 Universal
MORGAN Style  1. MRG69006671 C/S 2. MRG690066710 R/S	MONON Style  1. MONA1011089 C/S 2. MONA1011090 R/S	MONON Style  1. MONA1042138 Universal
OSHKOSH/MILLER Style  1. MLR044-090200 Universal	PINES Style  1. PNECC11100 Universal	STOUGHTON Style  1. STO04-09816-000-00 Universal
STOUGHTON Style  1. STO04-12835-000-00 Universal 2. STO04-13853-000-00 Plate	STRICK Style  1. STRAA65D00230200 C/S 2. STRAA65D00240200 R/S	Corner Cap Protector STRICK Style  1. STRAA65D00330100

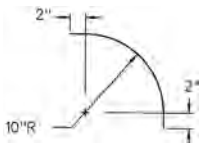
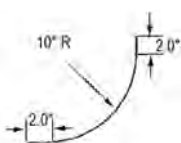
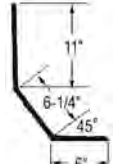
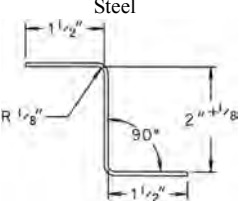
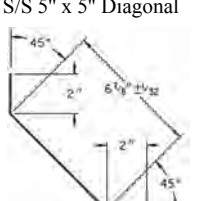
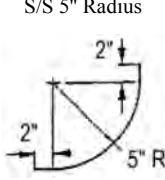
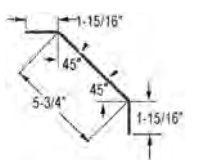
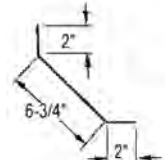
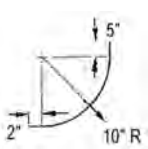
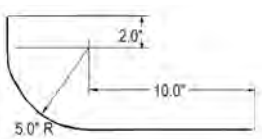
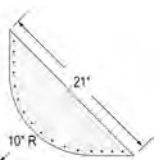
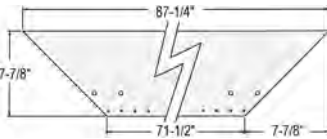
STRICK Style  1. STRGA65D00030100 Universal	STRICK Style  1. STRAA65D00280100 Universal	THEUER Style  1. THU5778-1 R/S 2. THU5778-2 C/S
UTILITY Style  1. UTI1-1550-10 C/S 2. UTI1-1550-11 R/S	VANCO Style  1. VANG40002 Universal	

2.2.3: CORNER RADIUS & POSTS

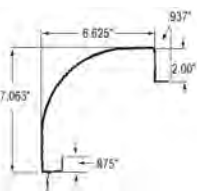
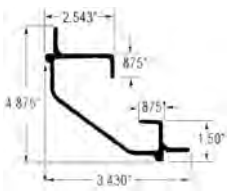
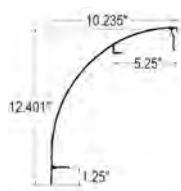
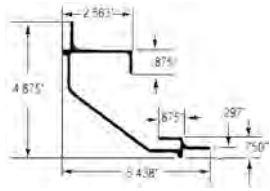
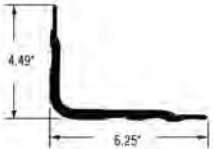
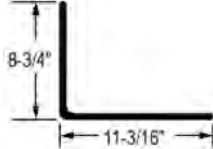
2.2.3.1: WABASH CORNER RADIUS & POSTS

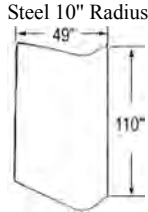
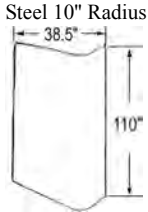
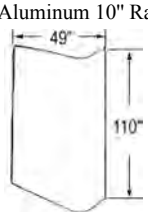
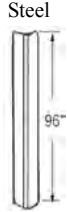
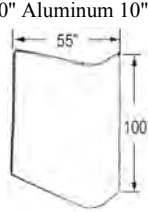
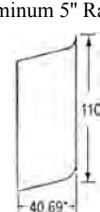
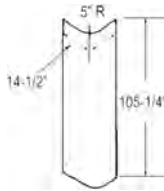
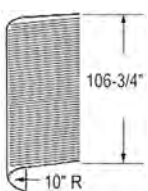
Steel 10" Radius Inside Corner Liner  1. WABA1S00114 97"	Aluminum Square  1. WABE0051200 120" 2. WABE0051100 110"	Aluminum Diagonal  1. WABE0061200 120"
Aluminum 5" Radius  1. WABE0081200 120" Mill finish 2. WAB04000092 120" White	Aluminum 5" Radius  1. WABE1761098 109-5/8" Mill finish	Aluminum 5" Radius  1. WABE270109E 109-7/8" 2. WABE2701228 122-1/2"
Aluminum 5" Radius Corner Liner  1. WABE2711192 119"	5" Radius  1. WABE5781200 120" Mill finish	5" Radius  2. WABE6141200 120" Mill finish
Aluminum 10" Radius  1. WAB04A00011 110" White	5" x 5" Diagonal  1. WAB04A00295 99-5/8" White	10" Radius  1. WAB04A00331 110" White

2.2 Front Wall Assembly

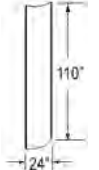
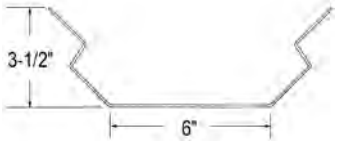
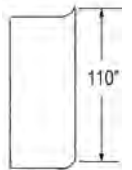
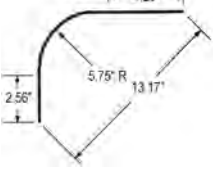
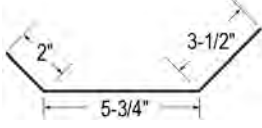
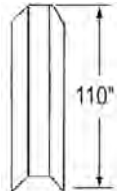
Aluminum 10" Radius  1. WAB04A00774 110" Mill finish	Aluminum 10" Radius  1. PNL8-15 110" White	Reefer Liner For 10" Radius  1. WAB04A01164 108"
Steel  1. WAB04S00021 120" 2. WAB04S00019 97"	S/S 5" x 5" Diagonal  1. WAB04S00855 110"	S/S 5" Radius  1. WAB04S00956 104-1/8" 2. WAB04S01487 107"
Steel FRP  1. WAB04S01111 120"	Steel 5" x 5" Diagonal  1. WAB04S01132 110.5"	S/S 10" Radius  1. WAB04S01033 110"
Stainless Steel Reefer 5" Radius  1. WAB04S01103 103-3/8" 2. WAB04S01508 110"	Aluminum Reefer Radius Corner Protector  1. WAB07A00039	Alum. Reefer Roof Reinforcement  1. WAB07A00037

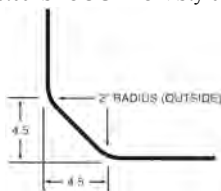
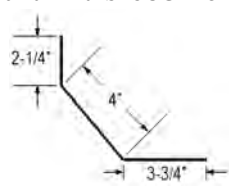
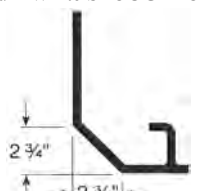
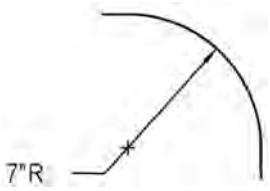
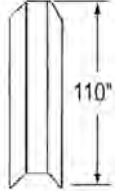
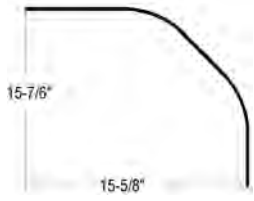
2.2.3.2: FRUEHAUF CORNER RADIUS & POSTS

Aluminum  1. FRUSTK20305-108 108-3/4"	Aluminum  1. FRUSTK20602-83 83-9/16" 2. FRUSTK20602-96 96"	Aluminum  1. FRUSTK21331-7 87-3/8" 2. FRUSTK21331-9 108"
Aluminum  1. FRUSTK21474-85 85.06"	Aluminum  1. FRUSTK21856-106 106.25"	Aluminum  1. FRUWCF9230-1 105.88"

 Steel 10" Radius 49" 110" 1. FRUWCC8051-GAG Gray 2. FRUWCC8051-GAW White	 Steel 10" Radius 38.5" 110" 1. FRUWQA1243-1 S/S	 .050" Aluminum 10" Radius 49" 110" 1. FRUWCC8051-SPN Mill finish 2. FRUWCC8051-SPW White 3. FRUWNC1247-SP8 FRP Mill finish 4. FRUWCC8051-SPA Gray alum
 Steel 96" 1. FRUWCD1971-6 Unviersal	 .050" Aluminum 10" Radius 55" 100" 1. FRUWCF4722-110 Mill finish	 Aluminum 5" Radius 110" 40.69" 1. FRUWCF9212-900 White
 .063" Aluminum 5" Radius 5" R 14-1/2" 105-1/4" 1. FRUWCD1172-3 White	 Aluminum 65 Bead 106-3/4" 10" R 1. PNL8-1 Gray 2. PNLWCC8051-2FW White	

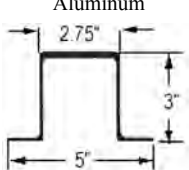
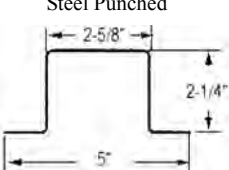
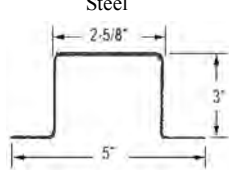
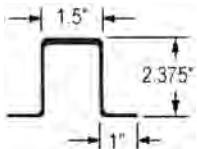
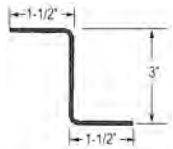
2.2.3.3: OTHER MANUFACTURER'S CORNER RADIUS & POSTS

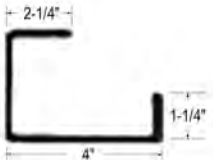
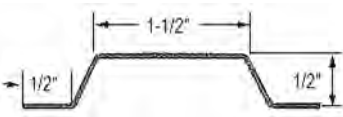
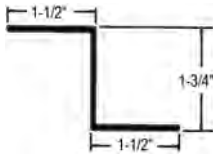
 BUDD Style 110" 24" 1. BUD224WSA Alum. White 2. BUD250SRP Steel Gray 3. BUD252SRP Steel White	 Steel DORSEY Style 3-1/2" 6" 110-7/8" 1. DSYFR26239	 Aluminum GREAT DANE 10" R Style 110" 1. GDA08670 White 110"
 Aluminum MANAC Style 4.29" 5.75" R 13.17" 2.56" 1. MNC567-058 White 110-1/2"	 Aluminum MONON Style 2" 3-1/2" 5-3/4" 1. MON00033532 White 110"	 STOUGHTON Style 110" 1. STO01-08581-XXX-01 Alum. white 2. STO01-08581-XXX-05 Steel white

Steel STOUGHTON Style  1. STO01-12994-XXX-05 White 107"	Alum. Corner Liner STOUGHTON Style  1. STO01-10158-XXX-01 White 101-1/2"	Aluminum White STOUGHTON Style  1. STO01-13951-100-XX 109" R/S 2. STO01-13951-200-XX 109" C/S
Aluminum STRICK Style 7" Radius  1. STR06876 White 105-1/2"	Aluminum STRICK Style  1. STRAA63C72182523 White 110"	STRICK Style  1. STREA63C30032503 White 114-1/2"
Aluminum TRAILMOBILE"O" Model  1. TMBRP-881-PPW White 110"		

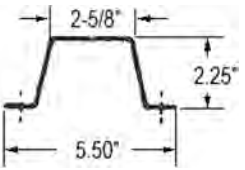
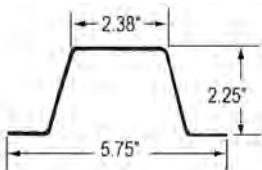
2.2.4: NOSE POSTS

2.2.4.1: WABASH NOST POSTS

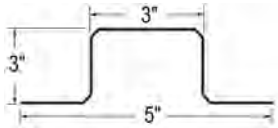
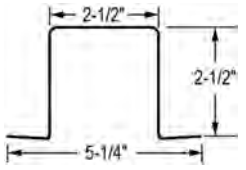
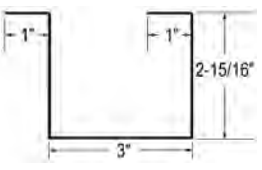
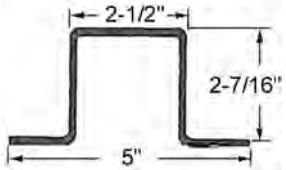
Aluminum  1. WABE3431090 109" 2. WABE3431224 122"	Steel Punched  1. WAB04S00020 110" 2. WABNP011210 121"	Steel  1. WAB04S00317 110"
Steel  1. WAB04S00362 120"	Aluminum Plate  1. WAB01100453 104"	Steel "Z"  1. WAB04S00653 107-3/8"

Aluminum Reefer  1. WAB04S00815 109" C/S 2. WAB04S00816 109" R/S	Aluminum FRP Wire Cover  1. WAB14A00009 100" White	Aluminum "Z" Reefer  1. WABE0630508 50" 2. WABE0631100 110"
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2.2.4.2: FRUEHAUF STEEL NOSE POSTS

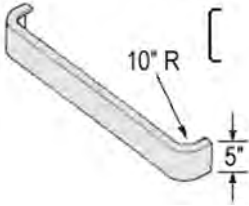
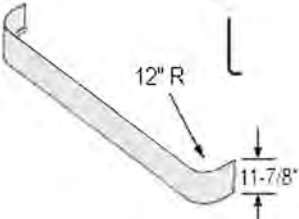
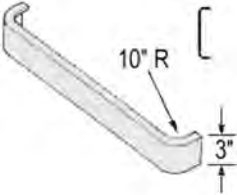
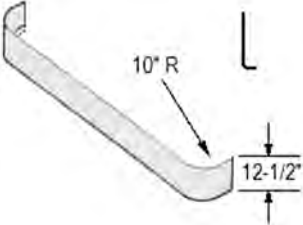
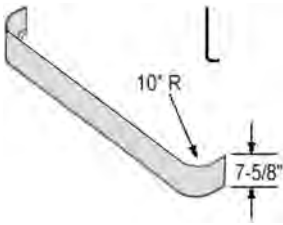
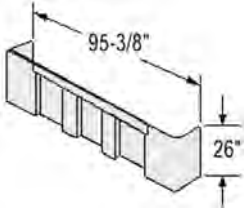
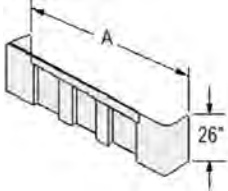
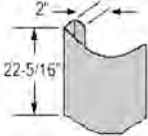
 1. FRUWCE7722-12 103.19" 2. FRUWCE7722-912 103.19" punched 3. FRUWNE2548-3 107-5/8"	 1. FRUWCD3599-1 108"
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2.2.4.3: OTHER MANUFACTURER'S NOSE POSTS

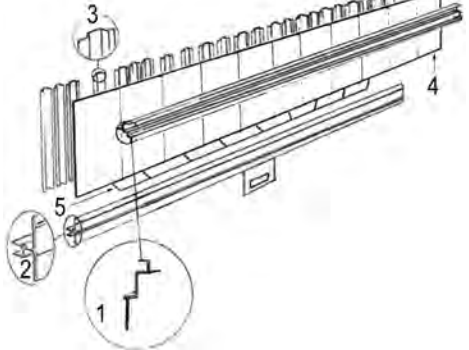
Steel BUDD Style  1. BUD2545 105"	Steel GREAT DANE Style  1. GDA09432JBH 110"	Steel DORSEY Style  1. DSYFR49059 107-5/8"
Steel TRAILMOBILE Style  1. TMB511-23-267-80 80-9/16"		

2.2.5: NOSE PANELS

2.2.6: FRUEHAUF STEEL BULKHEAD ASSEMBLIES & ACCESSORIES

		
1. FRUFCF3717-2 102"	1. FRUFCF3737-2 102"	1. FRUFCF3988-7 102"
		
1. FRUFCF4478-1 102"	1. FRUFCF9209-1 102"	1. FRUWCD1961-1 95-3/8"
		
1. FRUWCF3867-1 A=101" 2. FRUWCE7819-1 A=95-3/4"	1. FRUWCE7800-1 R/S 18.4" 2. FRUWCE7800-2 C/S 18.4"	

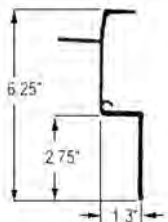
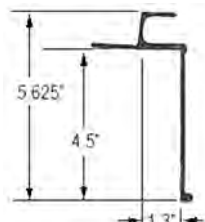
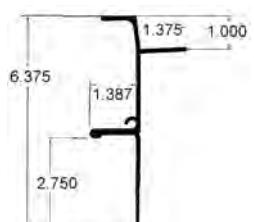
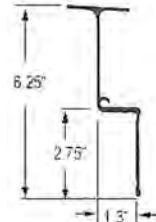
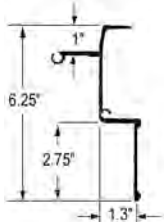
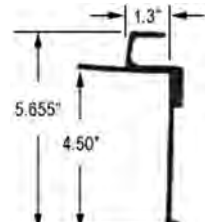
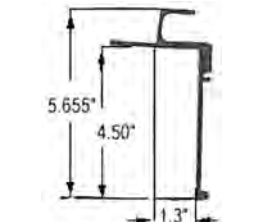
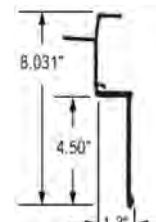
2.3 Side Wall Assembly

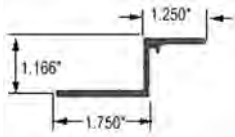
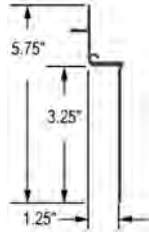
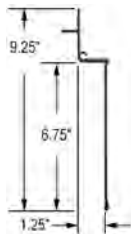
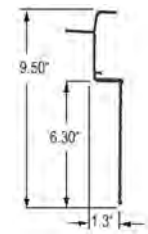
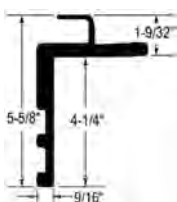
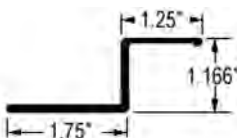
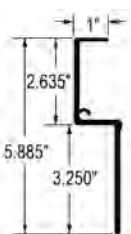
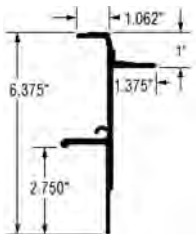
	SIDE WALL ASSEMBLY 1. Top Rails & Splices 2. Bottom Rails & Splices 3. Side Posts 4. Panels / Side Sheets 5. Side Wall Scuff 6. Plywood & Dividers 7. Skylights & Patches
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2.3.1: TOP RAILS, SPLICES, & PROTECTORS

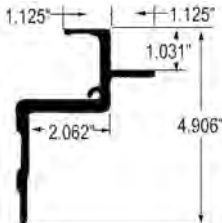
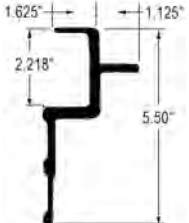
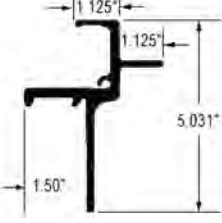
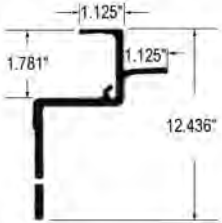
2.3.1.1: TOP RAILS

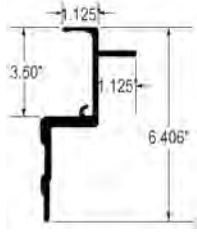
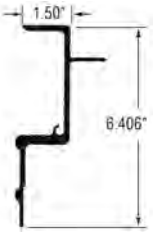
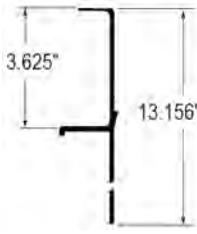
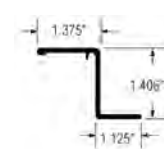
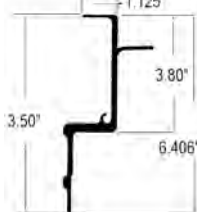
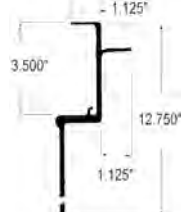
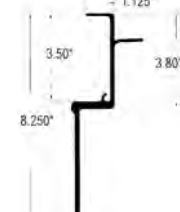
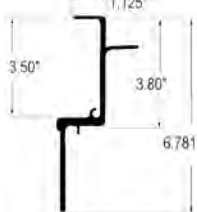
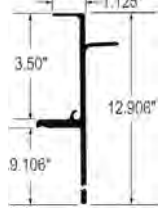
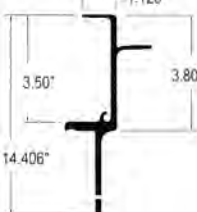
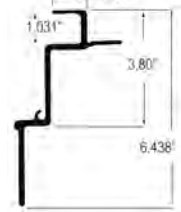
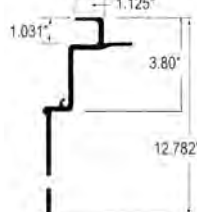
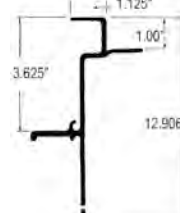
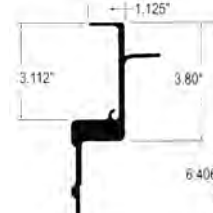
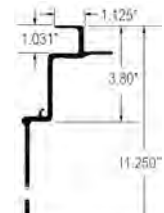
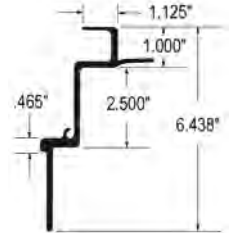
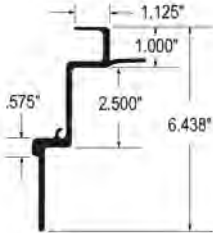
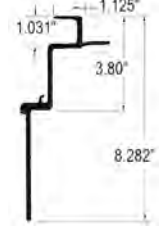
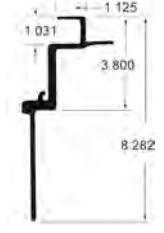
2.3.1.1.1: WABASH TOP RAILS

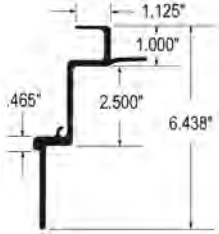
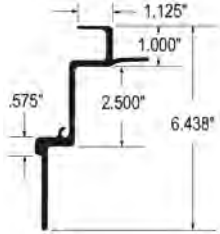
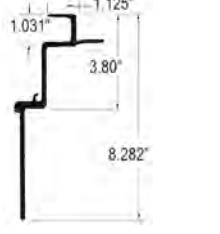
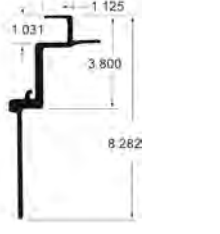
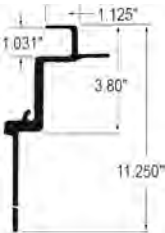
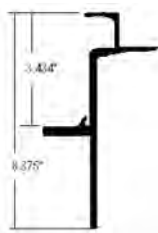
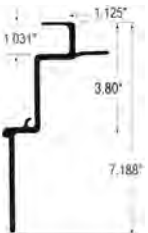
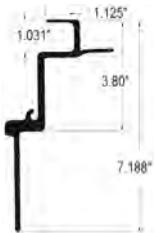
			
1. WABE0011080 9' 2. WABE0013240 27' 3. WABE0016260 52'	1. WABE0071080 9' 2. WABE0073240 27' 3. WABE0076260 52'	1. WABE0090000 27'5"	1. WABE0131080 9' 2. WABE0133240 27' 3. WABE0135638 47' 4. WABE0136260 52'
			
1. WABE184564C 47-3/4"	1. WABE0251080 9' 2. WABE0253240 27' 3. WABE0256260 52'	1. WABE0531080 9' 2. WABE0533240 27' 3. WABE0536260 52' 4. WABE0536610 55'	1. WABE0551080 9' 2. WABE0553240 27' 3. WABE0556260 52'

2 Piece Upper Reefer  1. WABE0641080 9' 2. WABE0643240 27' 3. WABE0646260 52'	2 Piece Lower Reefer  1. WABE0651080 9' 2. WABE0653240 27' 3. WABE0656260 52'	2 Piece Lower  1. WABE0681080 9' 2. WABE0683240 27' 3. WABE0686260 52'	 1. WABE2131080 9' 2. WABE2133240 27' 3. WABE2136260 52'
RR Plate  1. WABE272610C 50'10-3/4"	2 Piece Upper Reefer  1. WABE3211080 9' 2. WABE3213240 27' 3. WABE3216260 52'	2 Piece Lower Reefer  1. WABE3221080 9' 2. WABE3223240 27' 3. WABE3226260 52'	 1. WABE4653378 28' 2. WABE4655638 47'
Aluminum Lower 2 Piece  1. WABE397623C 51'11-3/4"			

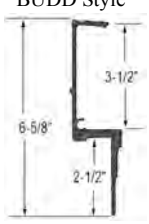
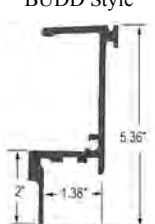
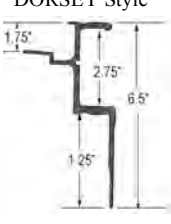
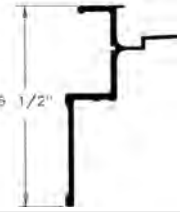
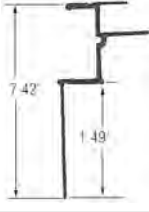
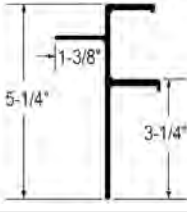
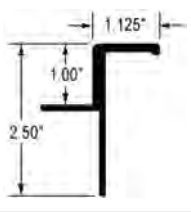
2.3.1.1.2: FRUEHAUF TOP RAILS

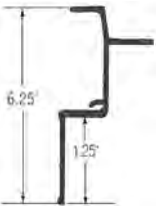
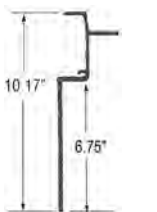
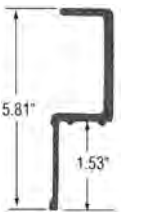
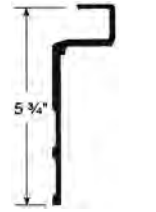
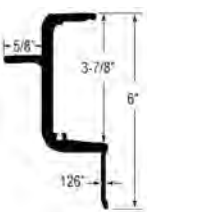
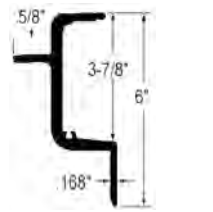
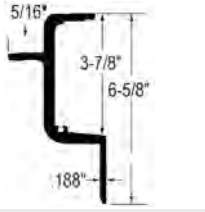
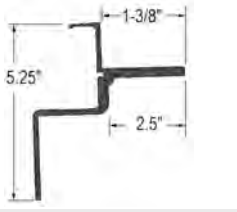
 1. FRUSTK20565-47 47'1"	 1. FRUSTK20773-39 39'	 1. FRUSTK20563-44 44'	 1. FRUSTK20818-48 48'
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1. FRUSTK20936-44 FB+44'3"	1. FRUSTK21243-47 47'1"	1. FRUSTK21301-29 29'	1. FRUSTK21311-27 27'3.5"
			
1. FRUSTK21453-29 29' 2. FRUSTK21453-47 47'	1. FRUSTK21454-28 28' 2. FRUSTK21454-47 47'6" 3. FRUSTK21454-54 53'6"	1. FRUSTK21455-47 47'1"	1. FRUSTK21458-47 47'1"
			
1. FRUSTK21462-31 31'	1. FRUSTK21466-47 47'1"	1. FRUSTK21496-47 47'1"	1. FRUSTK21499-47 47'1"
			
1. FRUSTK21522-29 29'	1. FRUSTK21612-47 47'1"	1. FRUSTK21592-47 47'1"	1. FRUSTK21613-54 53'6"
			
1. FRUSTK21621-47 47'1" 2. FRUSTK21621-53 52'6"	1. FRUSTK21622-52 51'6"	1. FRUSTK21623-47 47'1" 2. FRUSTK21623-53 53'	1. FRUSTK21624-52 52'

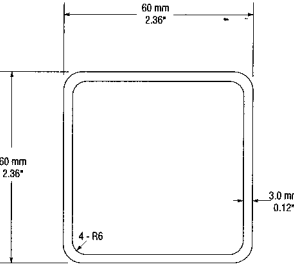
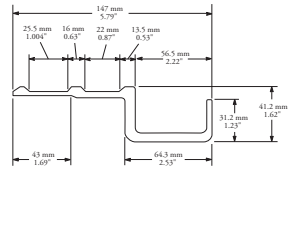
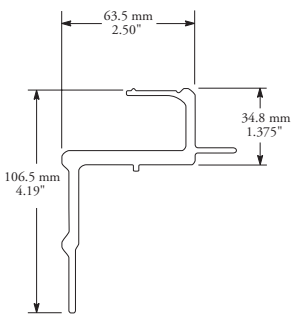
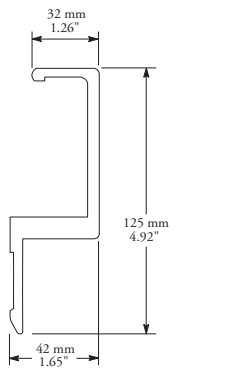
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 1. FRUSTK21628-52 51'	 1. FRUSTK21674-53 53'	 1. FRUSTK21692-11 11' 2. FRUSTK21692-47 47'	 1. FRUSTK21693-52 52'
 1. FRUSTK21855-52 53'2"			

2.3.1.1.3: OTHER MANUFACTURER'S TOP RAILS

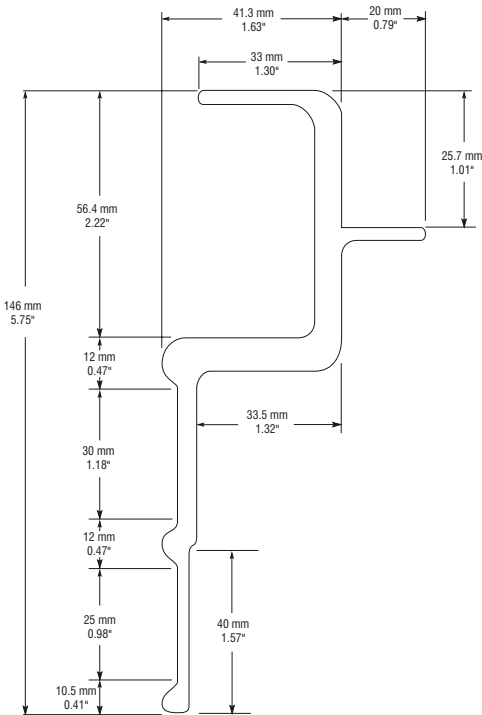
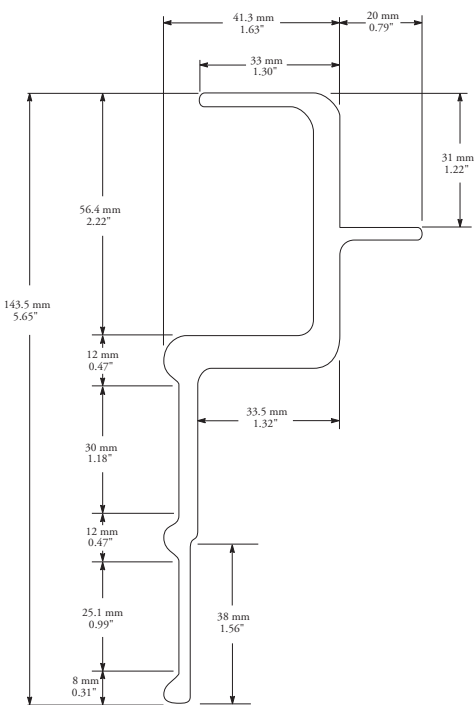
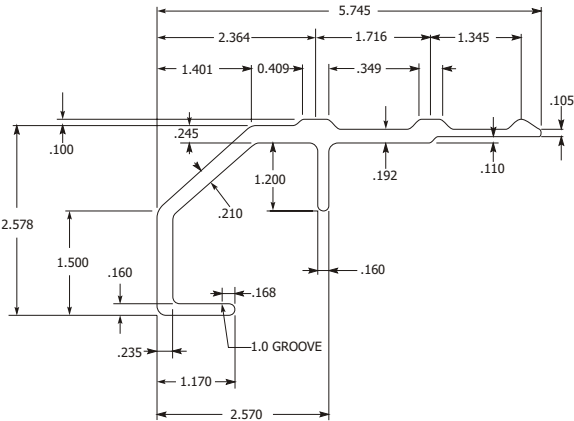
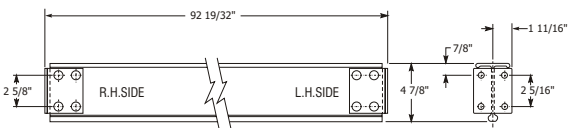
BUDD Style  1. 2450 44'3"	BUDD Style  1. BUD2455 46'7"	BUDD Style  1. BUD2475 44'3"	DORSEY Style  1. DSY2508888-531 44'3"
DORSEY Style  1. DSY2509178-558 46'6"	DUNHAM Style  1. DUN40-11-98 46'8-7/8"	HYUNDAI Style  1. HYUE4194690 39'1-1/2"	OSHKOSH/MILLER Style  1. MLR900-000528 47'6"

MONON Style  1. MONV01-150-47 47'	MONON Style  1. MONV01-151-47 47'	STOUGHTON Style  1. STO02-06388-612-67 51'8"	STOUGHTON Style  1. STO02-10205-464-75 38'8"
STOUGHTON Style  1. STO02-11132-624-38 52'	STOUGHTON Style  1. STO02-13865-463-75 38'6"	TRAILMOBILE Style  1. TMB90-4-1079-531 44"	TRAILMOBILE Style  1. TMB90-4-1399-555 46' 2. TMB90-4-1399-613 51'
TRAILMOBILE Style  1. TMB90-4-2305-617 51'4"	UTILITY Style  1. UT11-6550-068 52'		

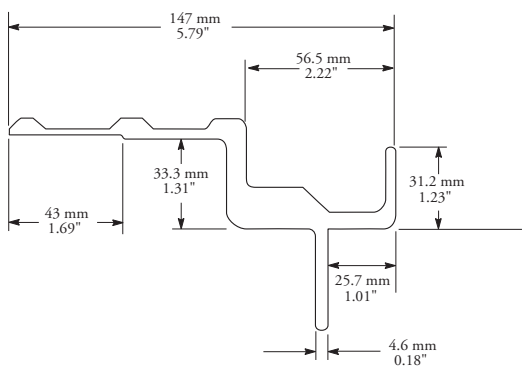
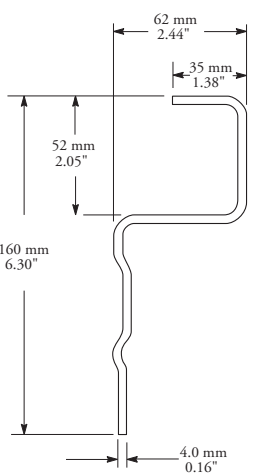
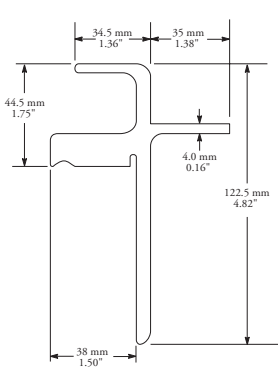
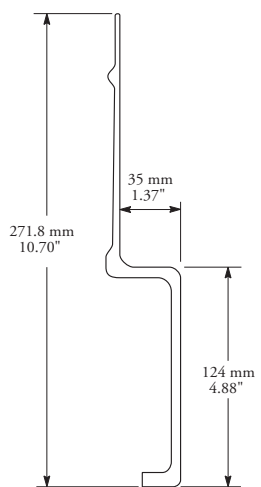
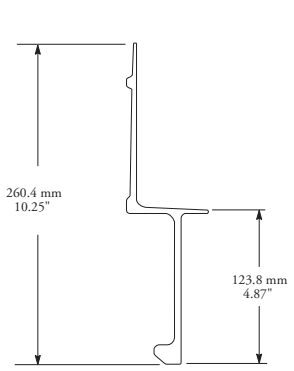
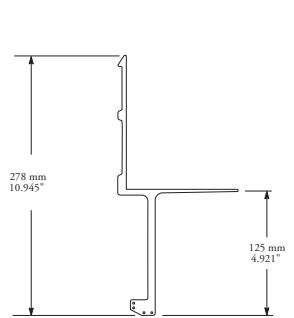
2.3.1.1.4: MARTEC RAILS

Top Rail  1. 238SQT Material: Corten Steel Length: 5720mm (225.2")	Top Rail  1. 31RFJ0020314 Material: 6061-T6 Aluminum	Top Rail  1. 10RFNF015031 Material: 6061-T6 Aluminum	Top Rail  1. 31RFGWN02297 Material: 6061-T6 Aluminum
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2.3.1.1.4: MARTEC RAILS

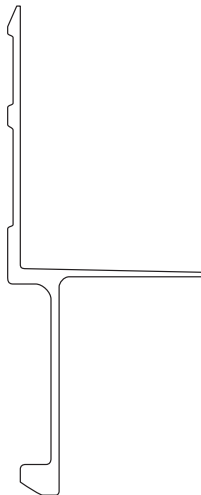
Top Rail 	Top Rail 
1. 31RFHDAR467R6 Material: A6061-T6	1. 31RFSD02101 Material: A6061-T6
Top Rail - CIMC 	Crossmember Assembly 
1. 31RFTRCIMC	1. 31RF0806274

2.3.1.1.4: MARTEC RAILS

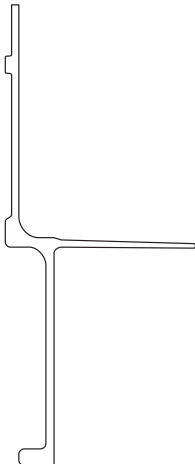
Top Rail 		Top Rail 		Top Rail 	
1. 31RF0804189 Material: 6061-T6 Aluminum		1. 61RFG02104 Material: SPA-H (Corten)		1. 31RF0804142 Material: 6061-T6 Aluminum	
Bottom Rail 		Bottom Rail 		Bottom Rail 	
1. 10RFNF014735 Material: 6061-T6 Aluminum		1. 31RFJ0010310 Material: 6061-T6 Aluminum		1. 31RFGWN02298 Material: 6061-T6 Aluminum	

2.3.1.1.4: MARTEC RAILS

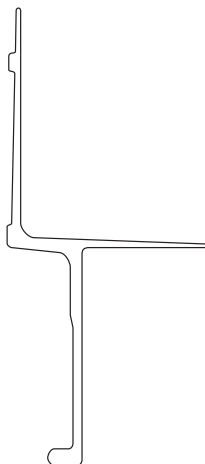
GWN 02.298



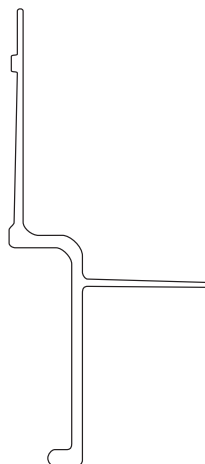
Sk 1038



B 590.21.14

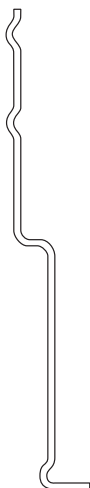


GWN 02.271

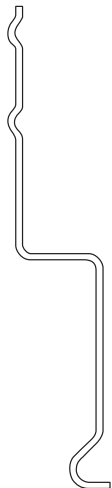


1. Bottom Rail - Profile (Aluminum)

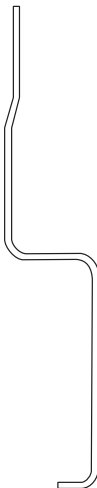
Sk 1088



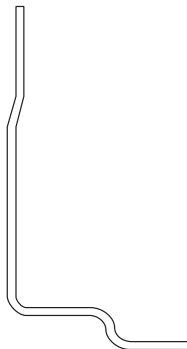
Hoesch 2468a



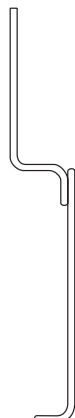
GWN 01.015



GWN 01.026



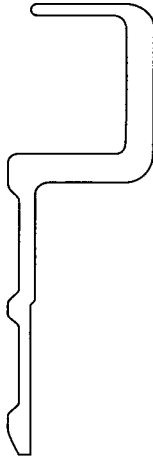
GWN 01.011



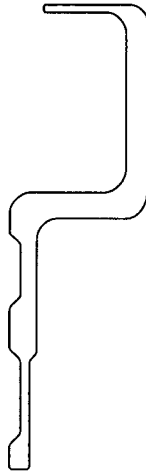
1. Bottom Rail - Profile (Steel)

2.3.1.1.4: MARTEC RAILS

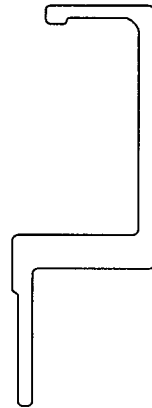
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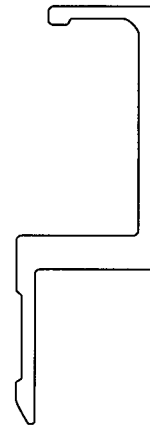
RS 1-001



B 583.20.10

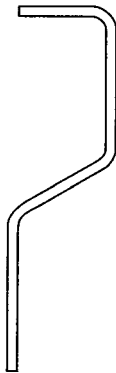


GWN 02.297

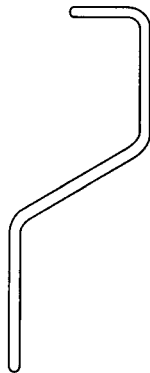


1. Top Rail - Profile (Aluminum)

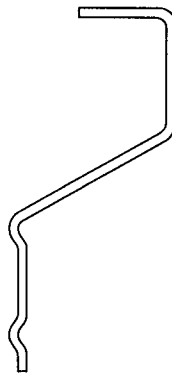
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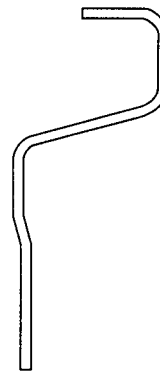
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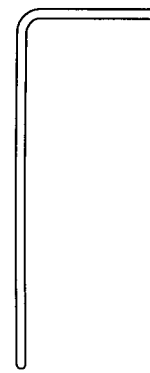
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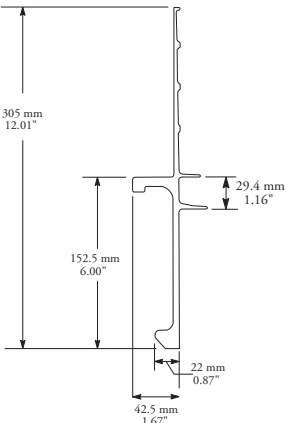
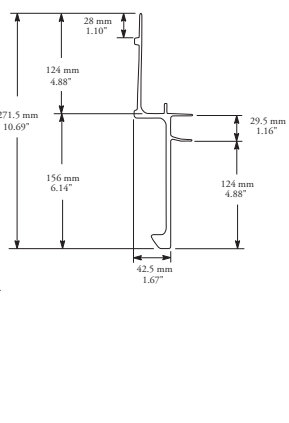
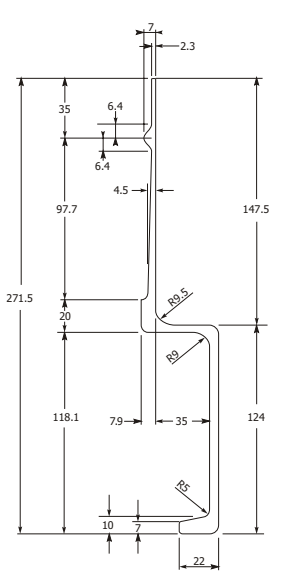
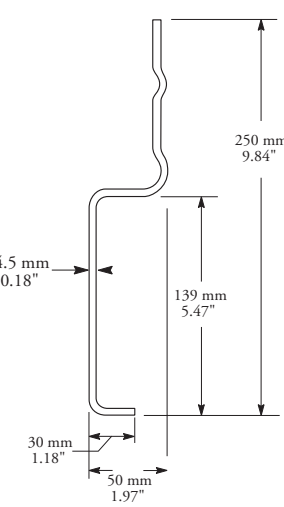
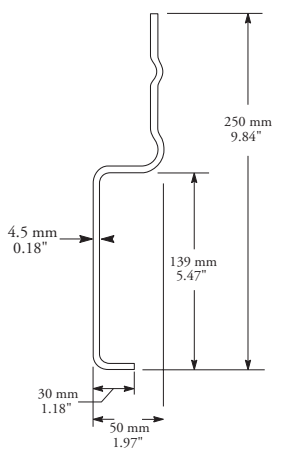
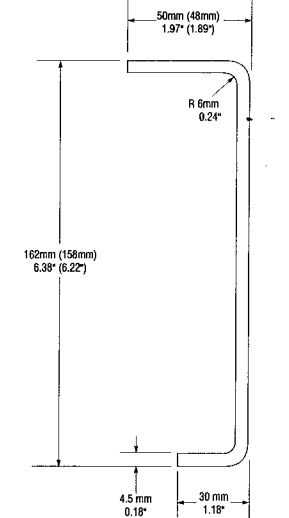


GWN 01.013



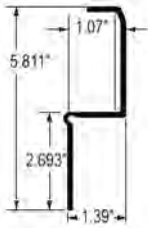
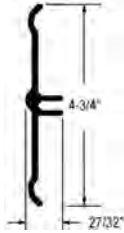
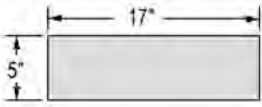
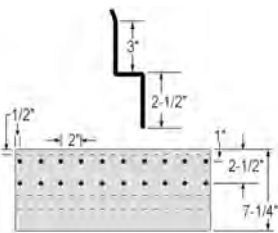
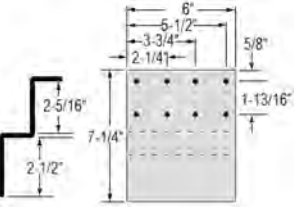
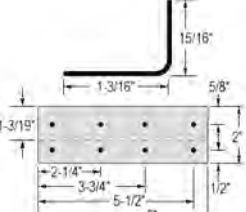
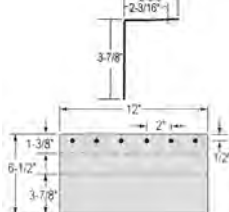
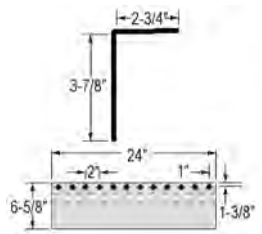
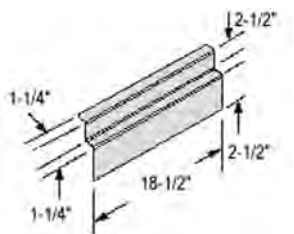
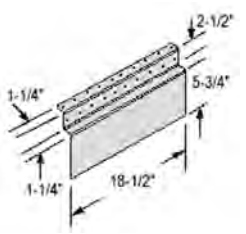
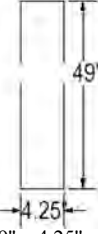
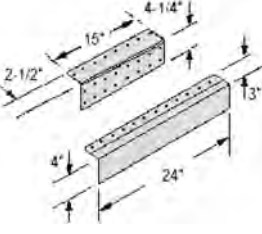
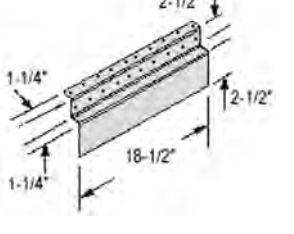
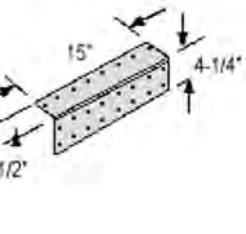
1. Top Rail - Profile (Steel)

2.3.1.1.4: MARTEC RAILS

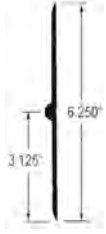
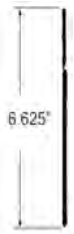
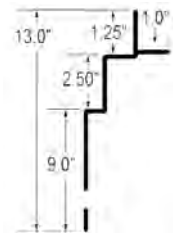
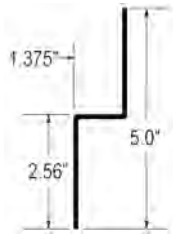
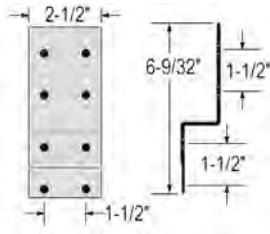
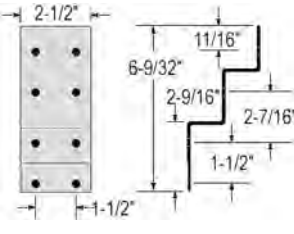
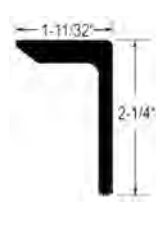
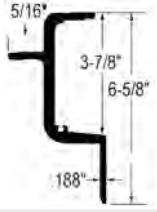
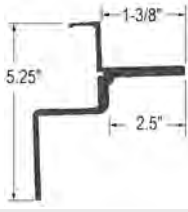
 Bottom Rail 305 mm 12.01" 152.5 mm 6.00" 29.4 mm 1.16" 22 mm 0.87" 42.5 mm 1.67"	 Bottom Rail 28 mm 1.10" 124 mm 4.88" 271.5 mm 10.69" 156 mm 6.14" 29.5 mm 1.16" 124 mm 4.88" 42.5 mm 1.67"	 Side Bottom Rail 7 mm 0.28" 2.3 mm 35 mm 1.38" 6.4 mm 0.25" 6.4 mm 0.25" 4.5 mm 0.18" 97.7 mm 3.84" 147.5 mm 5.81" 271.5 mm 10.69" 20 mm 0.79" 118.1 mm 4.65" 7.9 mm 0.31" 35 mm 1.38" 124 mm 4.88" 10 mm 0.39" 7 mm 0.28" 22 mm 0.87" R9.5 R9	 Bottom Rail 250 mm 9.84" 139 mm 5.47" 4.5 mm 0.18" 30 mm 1.18" 50 mm 1.97"
1. 31RF0804141 Material: 6061-T6 Aluminum	1. 31RFG032F Material: 6061-T6 Aluminum	1. 34RF10004715 Dimensions in mm Unit Weight: 2.88 lbs/ft Material: A6061-T6	1. 31RFHYDG032A Material: SPA-H (Corten)
 Bottom Rail 250 mm 9.84" 139 mm 5.47" 4.5 mm 0.18" 30 mm 1.18" 50 mm 1.97"	 Bottom Side Rail 50 mm (48 mm) 1.97" (1.89") R 6 mm 0.24" 162 mm (158 mm) 6.38" (6.22") 4.5 mm 0.18" 30 mm 1.18"		
1. 61RFPG06316 Material: M.G.S.S.	1. MTR 30CP Material: Corten Length: 5702mm or 11840mm (224.5" or 466.14")		

2.3.1.2: TOP RAIL SPLICES

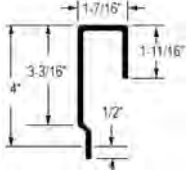
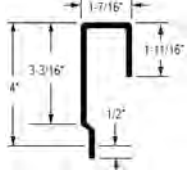
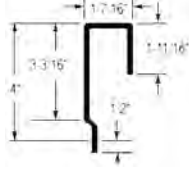
2.3.1.2.1: WABASH TOP RAIL SPLICES

Alum. Plate Top Rail Splice  1. WABE3820040 8"	Aluminum Universal Splice  1. WABE3810040 8"	Alum. FRP Splice Plate  1. BOD0175-120 10' 2. BOD0175-576 48'	Aluminum 1/4" Splice Plate  1. WAB01S00043
FRP "Z" Splice  1. WAB01S00426	FRP Universal Lower Splice  1. WAB01S00004	Steel Upper Splice Angle  1. WAB01S00007	Steel Lower Splice  1. WAB01S00008
Steel Plate Splice Angle  1. WAB01S00010	FRP Lower Splice Plate  1. WAB01S00107	FRP Lower Universal Splice  1. WAB01S00108 Plate 2. WAB01000040 Kit	Splice Strip  1. WAB01S00466 White 2. WAB01S00467 Orange 3. WAB01S00468 Blue
Plate Splice Kit  1. WAB01000026	Universal Splice Kit  1. WAB01000034	Lower Splice  1. WAB01A00004	

2.3.1.2.2: FRUEHAUF TOP RAIL SPLICES

FRP Panel Splice  1. FRUSTK21316-44 44'	Inner Splice Plate  1. FRUSTK21725-46 46'	Outer Splice Plate  1. FRUSTK21726-46 46'	Splice Rail  1. FRUBXE1243 46'
Splice Rail  1. FRUBXE0454 14-1/2"	Steel Top Rail Splice  1. FRUWCE8245-1	Alum. Top Rail Splice  1. FRUWCF4787-1	Alum. Reinforcement  1. FRUSTK21248-43 43'
TRAILMOBILE Style  1. TMB90-4-2305-617 51'4"	UTILITY Style  1. UTI1-6550-068 52'		

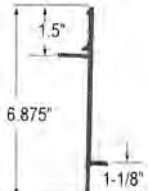
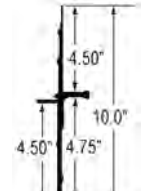
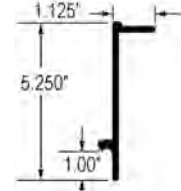
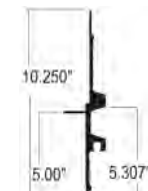
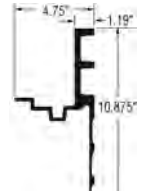
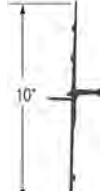
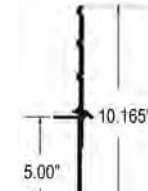
2.3.1.3: WABASH TOP RAIL PROTECTORS

Universal  1. WAB07600021 120"	Center  1. WAB07600022 C/S 55" 2. WAB07600023 R/S 55" 3. WAB07600030 R/S 88" 4. WAB07600031 C/S 88"	Center  1. WAB07600029 24" 2. WAB07600109 96" 3. WAB07600024 120"
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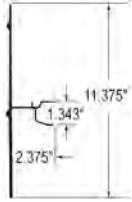
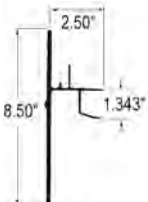
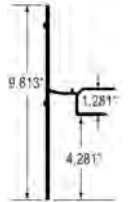
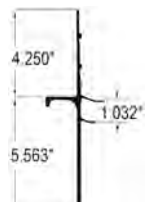
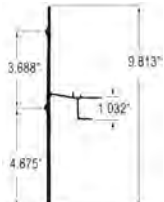
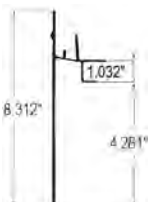
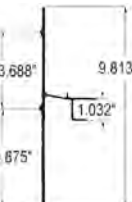
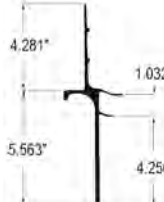
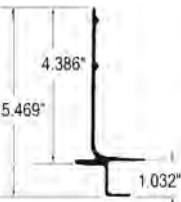
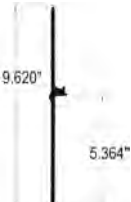
2.3.2: BOTTOM RAILS, SPLICES, RUB RAILS, & LIFTPADS

2.3.2.1: BOTTOM RAILS

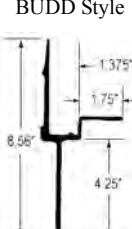
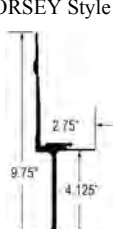
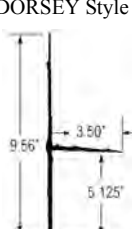
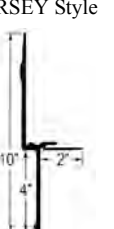
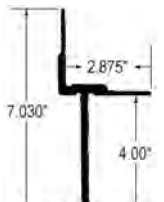
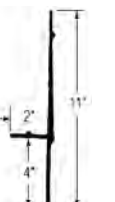
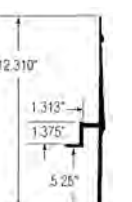
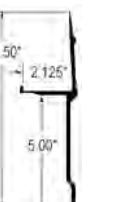
2.3.2.1.1: WABASH BOTTOM RAILS

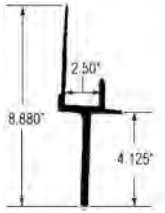
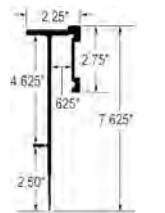
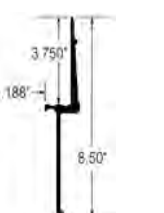
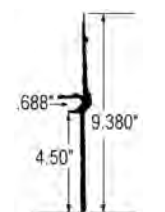
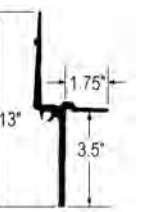
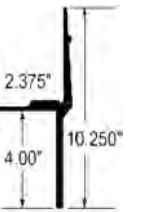
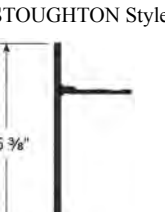
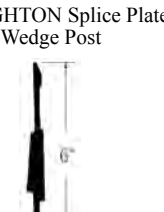
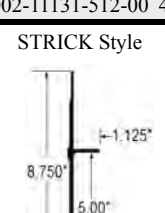
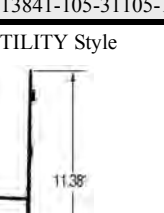
 - WABE0021080 9' - WABE0023240 27' - WABE0026260 52'	 WABE0103218 26'9.5"	 - WABE0151080 9' - WABE0153240 27' - WABE0155180 43'2" - WABE0156260 52'	Reefer  - WABE0361080 9' - WABE0363240 27' - WABE0366260 52'
 WABE047323C 26'9"	UPS Style  WABE056563C 46'	 WABE1366228 51'	Plate  - WABE1831080 9' - WABE1833240 27' - WABE1836260 52'
 - WABE3831080 9' - WABE3833240 27' - WABE3836260 52' - WABE383678C 56'	 WABE456624C 52'9"	 - WABE4663374 28' - WABE4665760 48'	 - WABE5571080 9' - WABE5573240 27' - WABE5576260 52'
 WABE520624C 52'-3/4"	 - WABE7321080 9' - WABE7323240 27' - WABE7326260 52'		

2.3.2.1.2: FRUEHAUF BOTTOM RAILS

			
1. FRUSTK20736-47 47'1"	1. FRUSTK20913-47 47'1"	1. FRUSTK20963-44 44'3"	1. FRUSTK21037-48 48'
			
1. FRUSTK21038-11 11' 2. FRUSTK21038-47 47'1" 3. FRUSTK21038-52 52'1"	1. FRUSTK21051-47 47'1"	1. FRUSTK21074-29 28'6"	1. FRUSTK21082-31 31'
			
1. FRUSTK21171-47 47'1"	1. FRUSTK21246-52 52'1"	1. FRUSTK21802-52 52'1"	1. FRUSTK21803-47 47'1" 2. FRUSTK21803-52 52'1"

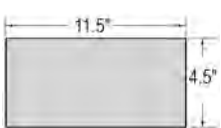
2.3.2.1.3: OTHER MANUFACTURERS' BOTTOM RAILS

			
1. BUD2485 46'8-3/4"	1. DSY2509174-558 46'	1. DSY2508890-531 44'3"	1. DSY2509177-558 46'6"
			
1. DUN40-11-97-002 46'8"	1. GDA71025 44'3"	1. GDA75560 47'1"	1. GDA004-09864-09940 51'9"

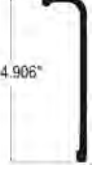
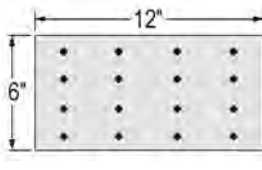
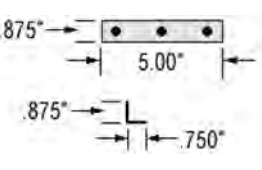
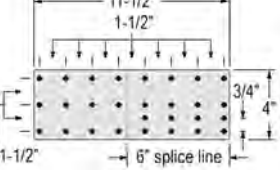
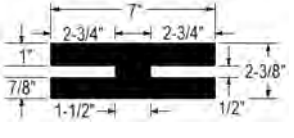
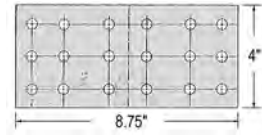
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MONON Style  1. MONAB032467 39'	STOUGHTON Style  1. STO02-05184-562-00 46'	STOUGHTON Style  1. STO02-09727-625-00 52'1"	STOUGHTON Style  1. STO02-09828-464-7538'3/4" 2. STO02-09828-564-00 47'
STOUGHTON Style  1. STO02-11131-512-00 42' 7"	STOUGHTON Style  1. STO02-13840-463-75 38' 6"	STOUGHTON Splice Plate Wedge Post  1. STO02-13841-105-31105-1/4"	STRICK Style  1. STRAA91C006151W3 51'
STRICK Style  1. STRAA91C005151V9 51'	TRAILMOBILE Style  1. TMB90-4-1076-615 51'3" 2. TMB90-4-1076-636 53'	UTILITY Style  1. UTI1-6650-062 52'	

2.3.2.2: BOTTOM RAIL SPLICES

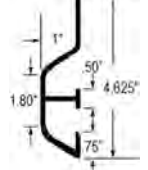
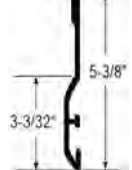
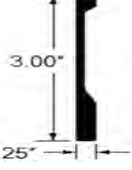
2.3.2.2.1: WABASH BOTTOM RAIL SPLICES

RPS Splice  1. WABE7441080 9'	Bottom Rail Splice  1. WAB01A00005	Splice Kit for Plate Trailer Includes: 4—3/8" Torx Bolts 4—3/8" S/S Washers 4—3/8" Nylon Lock Nuts Hardware only 1. WAB01000023	Splice Kit for Alum. Vans Includes: 12—3/8" x 1" Torx Bolts 12—3/8" Nylon Lock Nuts 18—1/4" x 5/8" B.H. Rivets 1—Upper Splice Plate; 17" x 15" 1—Lower Splice Plate; 12" x 54" 1—Anti-Electrolysis Tape 1. WAB01000025
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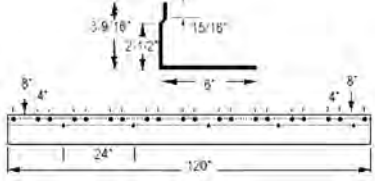
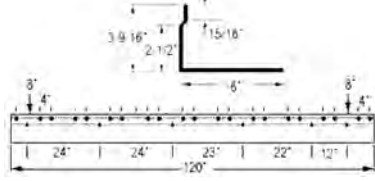
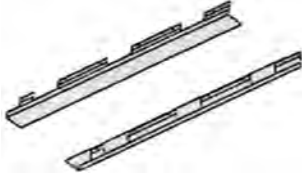
2.3.2.2.2: FRUEHAUF BOTTOM RAIL SPLICES

Aluminum Splice  4.906" 1. FRUSTK20533-120 10'	Steel Upper Splice Plate  12" 6" 1. FRUBXE0646-2	Steel Upper Splice Plate  .875" 5.00" .875" .750" 1. FRUBXE0679	Steel Lower Splice Plate  11-1/2" 1-1/2" 3/4" 4" 1-1/2" 6" splice line 1. FRUBXE0675 1/4" thick
Lower Rail Flange Closeout  2-3/4" 7" 2-3/4" 1" 7/8" 1-1/2" 1/2" 2-3/8" 1. FRUBXE0790 Alum.	Lower Splice Plate  8.75" 4" 1. FRUBXE0882-1		

2.3.2.3: RUB RAILS

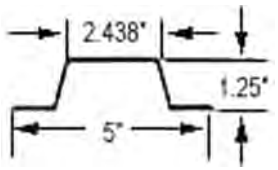
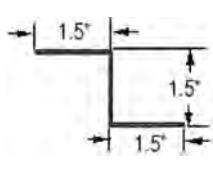
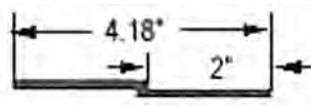
WABASH FRP Rub Rail  8.3" 1. WABE0031080 9' 2. WABE0033240 27' 3. WABE0036260 52'	WABASH Rub Rail  1" 50" 1.80" 4.625" 75" 1. WABE0766130 51' 2. WAB04300004 End casting	Aluminum Flanged Rub Rail  5-3/8" 3-3/32" 1. WABE9153140 26'2" 2. WAB04300008 End casting	MONON Style FRP Rub Rail  3.00" .25" 1. MONV01-109 47'1"
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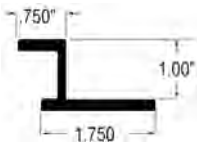
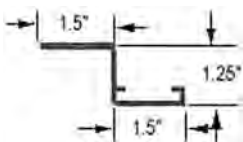
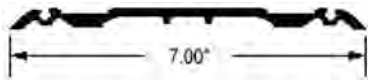
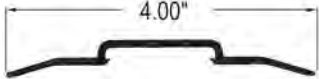
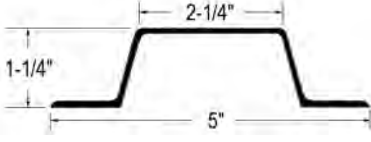
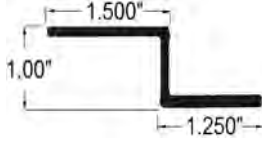
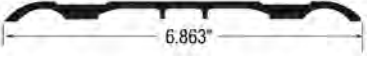
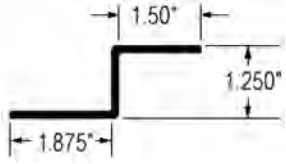
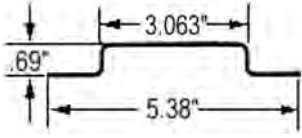
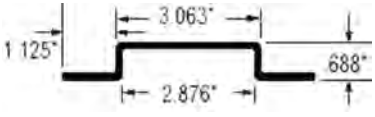
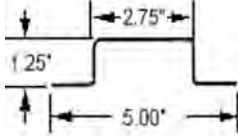
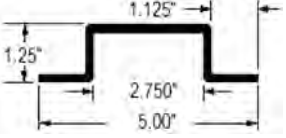
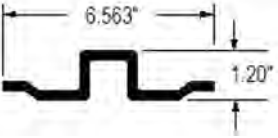
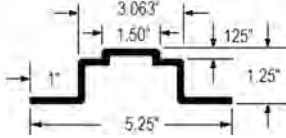
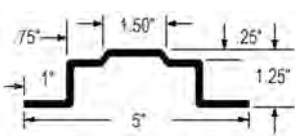
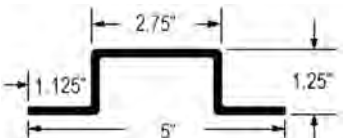
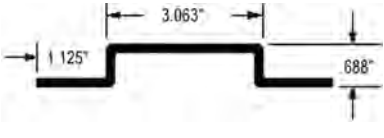
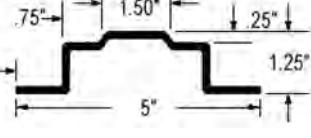
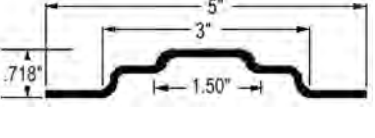
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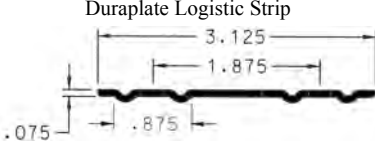
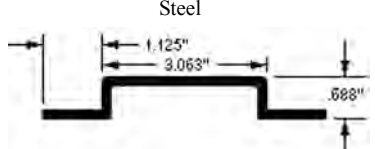
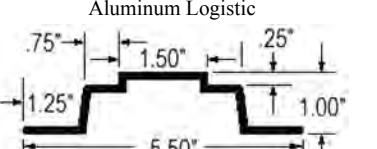
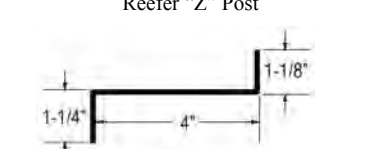
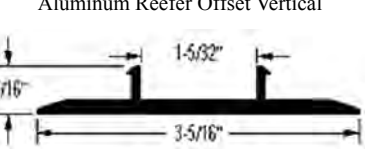
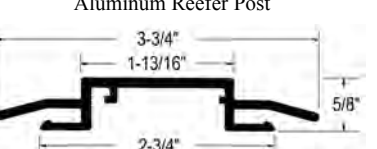
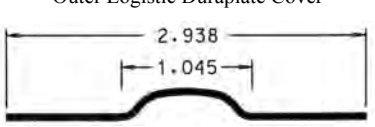
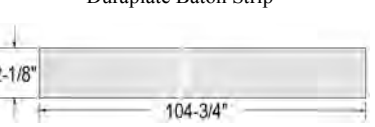
 3-9/16" 2-1/2" 15-1/8" 8" 4" 24" 120" 1. MTR07600001 3rd R/S 120"	 3-9/16" 2-1/2" 15-1/8" 8" 4" 24" 24" 23" 22" 12" 120" 1. MTR07600003 Front R/S 120"	 1. MTR076000048 Rear universal 2. MTR076000049 Front R/S 3. MTR076000050 Front C/S
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2.3.3: SIDE POSTS

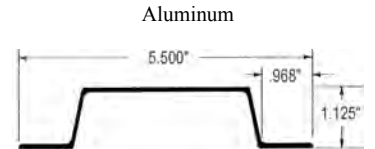
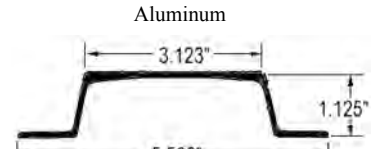
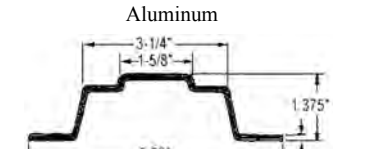
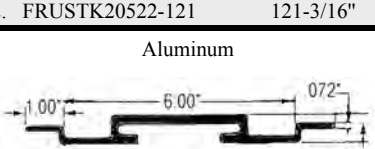
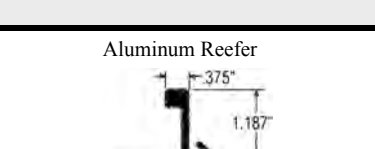
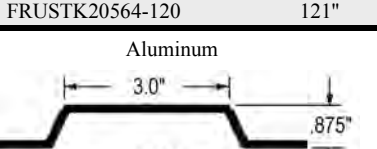
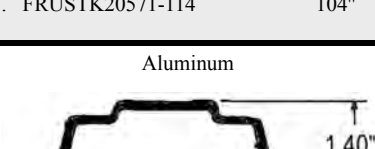
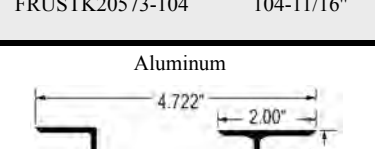
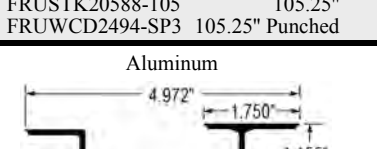
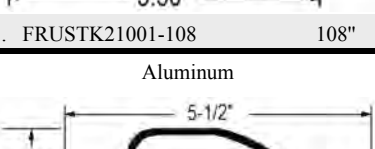
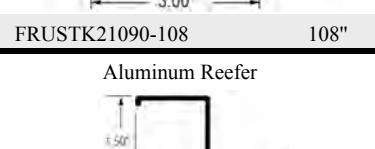
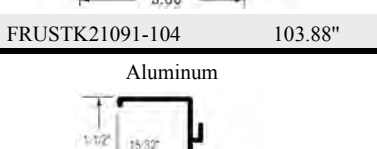
2.3.3.1: WABASH SIDES POSTS

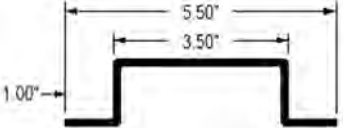
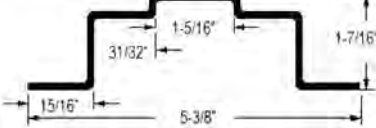
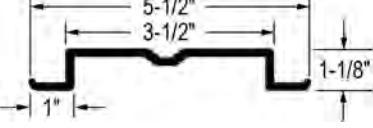
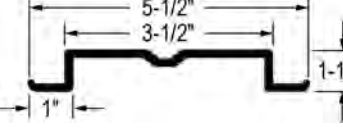
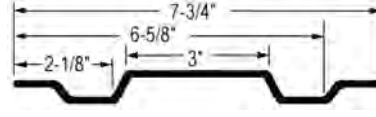
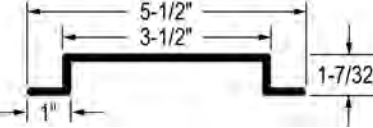
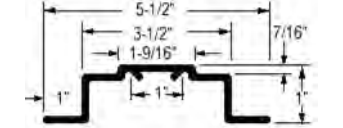
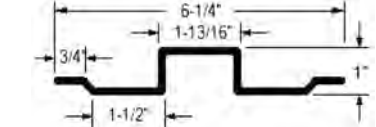
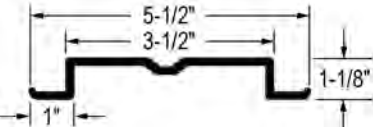
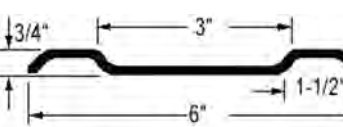
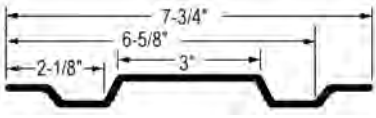
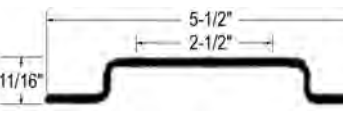
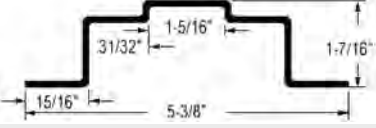
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Aluminum "J" Reefer  1. WABE1031100 110"	Aluminum "Z" Reefer  1. WABE1971112 111-1/8"	Aluminum  1. WABE2301254 125-1/4"
Aluminum Reefer  1. WABE3860990 99"	Aluminum  1. WABE4681114 111-1/4"	Aluminum "Z" Reefer  1. WABE515112A 112-7/8"
Aluminum Punched  1. WABE8411260 126"	Aluminum Unpunched  1. WABE8411520 152"	Steel Starter  1. WAB01S00012 105-1/4"
Steel  1. WAB01200038 110"	Aluminum PPW Unpunched  1. WAB012A0041 120"	Steel Logistic  1. WAB01200047 110"
Steel Punched  1. WAB01200069 112" 2. WAB01200262 125"	Steel  1. WAB01200074 107.625"	Steel Double Logistic  1. WAB01200109 128"
Steel Logistic  1. WAB01200120 106-1/4"	Steel Logistic  1. WAB01200202 132-1/2"	Galvanized Steel Logistic  1. WAB01200265 105-7/8" 2. WAB01200266 131-7/8" 3. WAB01200267 113-7/8"
Steel Logistic  1. WAB01200303 119"	Steel Logistic  1. WAB01200464 111-7/8"	Steel Logistic  1. WAB01200725 109-5/8"

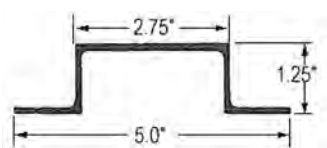
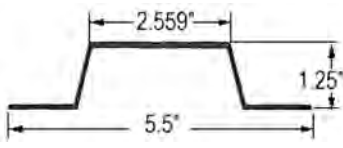
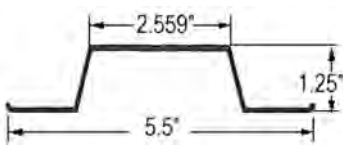
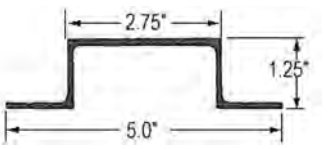
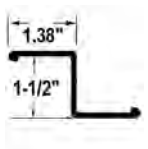
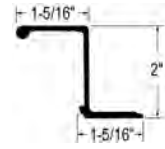
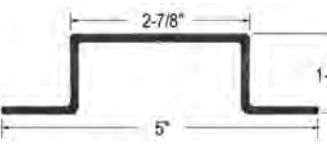
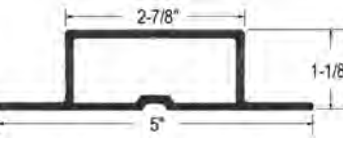
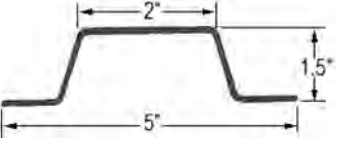
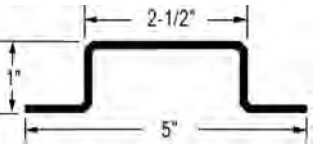
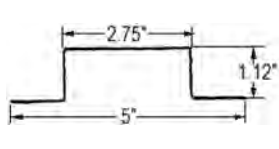
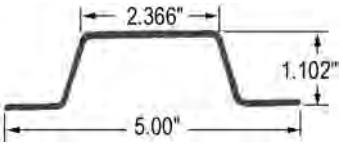
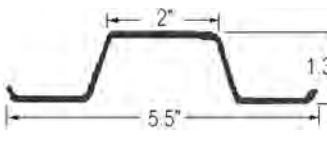
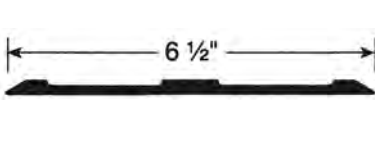
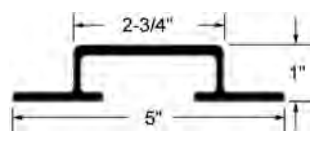
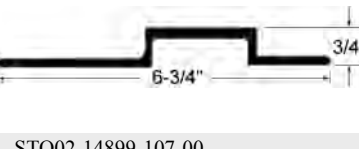
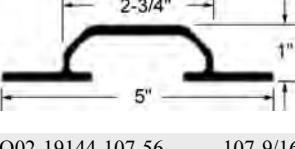
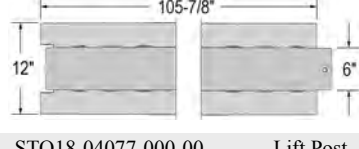
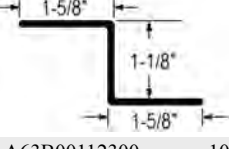
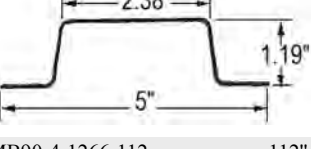
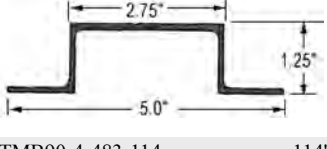
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Reefer "Z" Post  1. WAB21500130 66"	Aluminum Reefer Offset Vertical  1. WABE3850990 99"	Aluminum Reefer Post  1. WABE7680990 99"
Outer Logistic Duraplate Cover  1. WAB01A01752 116" White 2. WAB01A01720 116" Orange	Duraplate Baton Strip  1. WAB01105703	

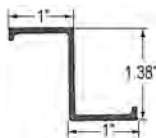
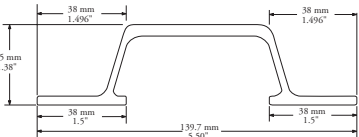
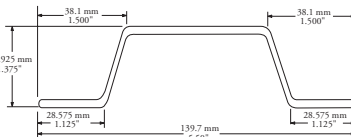
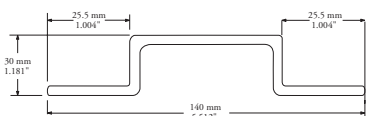
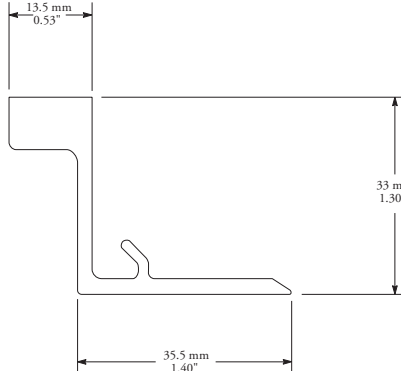
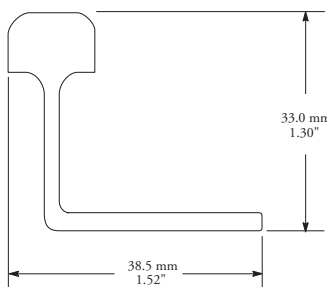
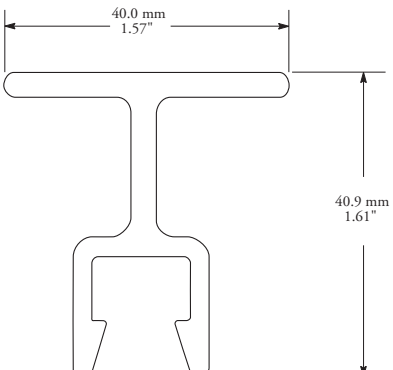
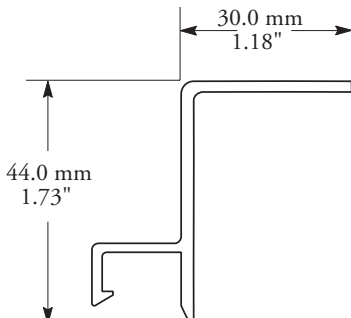
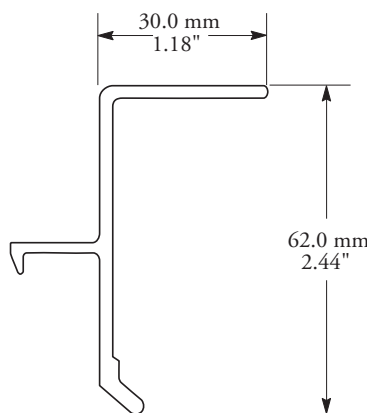
2.3.3.2: FRUEHAUF SIDE POSTS

Aluminum  1. FRUSTK20522-108 108-1/2" 2. FRUSTK20522-121 121-3/16"	Aluminum  1. FRUSTK20957-106 106"	Aluminum  1. FRUSTK20564-108 108" 2. FRUSTK20564-120 121"
Aluminum  1. FRUSTK20571-114 104"	Aluminum Reefer  1. FRUSTK20573-104 104-11/16"	Aluminum  1. FRUSTK20588-105 105.25" 2. FRUWCD2494-SP3 105.25" Punched
Aluminum  1. FRUSTK21001-108 108"	Aluminum  1. FRUSTK21090-108 108"	Aluminum  1. FRUSTK21091-104 103.88"
Aluminum  1. FRUSTK21476-103 103"	Aluminum Reefer  1. FRUSTK21577-108 108"	Aluminum  1. FRUSTK21850-108 108"

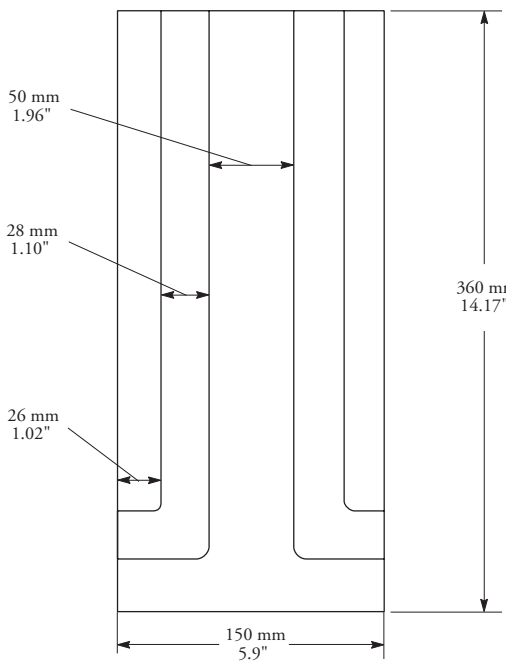
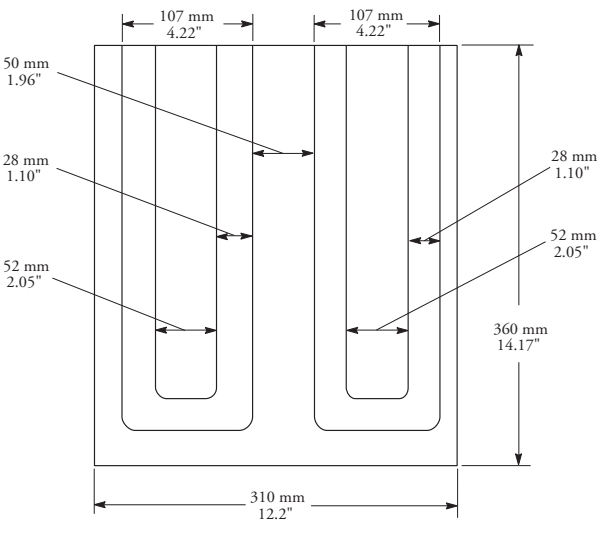
Aluminum  1. FRUSTK21831-106 106.25"	Aluminum  1. FRUSTK21852-106 106.25"	Steel  1. FRUSTK30090-107 107.5" unpunched 2. FRUSTKP30237-120 120" punched
Steel  1. FRUSTK30095-104 104.6"	Steel  1. FRUSTK30237-107 107" 2. FRUSTK30237-109 109"	Steel Punched  1. FRUSTKP30237-120 120"
Steel  1. FRUSTK30240-106E 106.88" 2. FRUSTK30240-112 112"	Steel  1. FRUWBA1582-22 109"	Steel Logistic  1. FRUWCC9088-107 107.5" 2. FRUWCC9088-8 106"
Steel Logistic  1. FRUWCA9446-13 123-29/32"	Steel Logistic  1. FRUWCE7902-297 106"	Steel Logistic  1. FRUWCE7902-352 106"
Steel Logistic  1. FRUWCE7902-367 112"	Steel Logistic "A" Slot  1. FRUWNB3433-10 106"	Steel Logistic "A" Slot  1. FRUWNB3756-15 106"
Steel Logistic  1. FRUWUB0778-16 121-3/16"		

2.3.3.3: OTHER MANUFACTURER'S SIDE POSTS

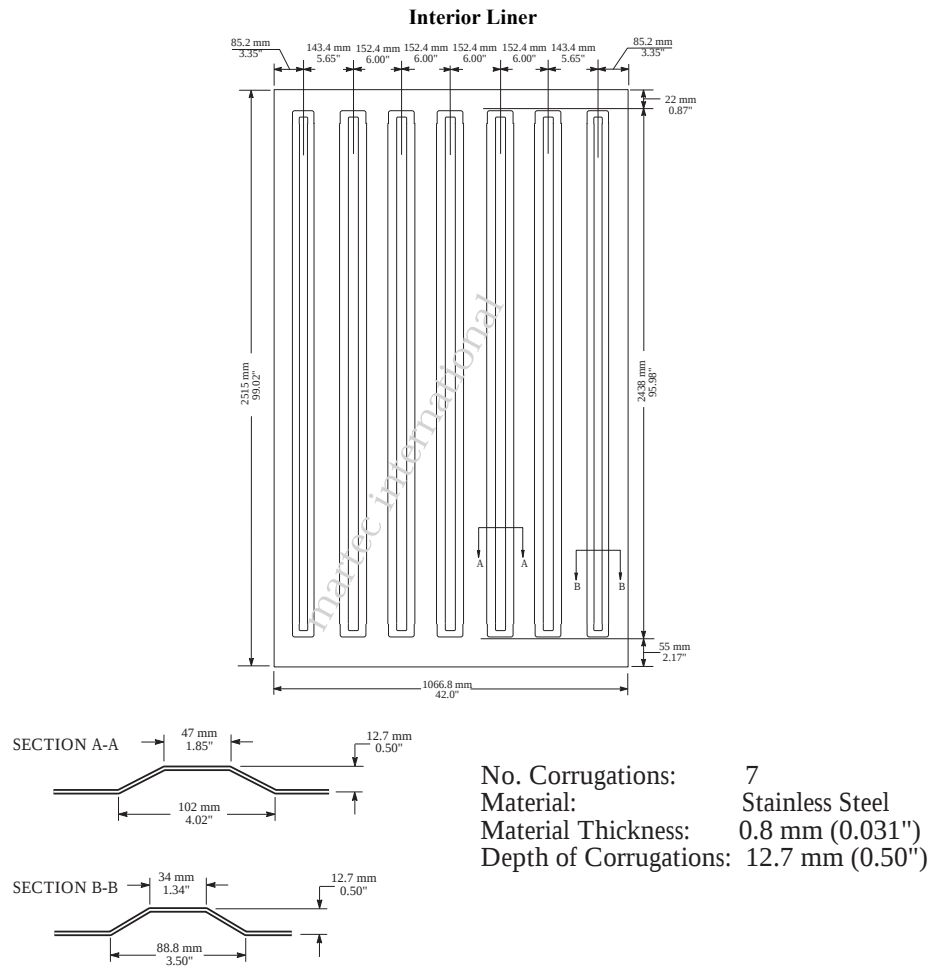
Steel BUDD Style  1. BUD2250 105.88"	Steel DORSEY Style  1. DSY2708877 112"	Steel DORSEY Style  1. DSY1208829 112"
Steel Punched GREAT DANE Style  1. GDA00300 120"	Aluminum "Z" GREAT DANE Style  1. GDA70262 110-1/4"	Aluminum "Z" GREAT DANE Style  1. GDA71232 114-1/8"
Aluminum PPW GREAT DANE Style  1. GDA42400648 112"	Aluminum PPW GREAT DANE Style  1. GDA60405301 112"	Steel MILLER Style  1. MLR900-053832 104-15/16"
Steel MONON Style  1. MONV02-102F 120"	Steel MONON Style  1. MON03-1-007-14A 104"	HD Galv. Steel PINES Style  1. PNESPB0847 108"
Steel STOUGHTON Style  1. STO01-06407-064-00 108-3/4"	Steel STOUGHTON Style  1. STO02-11202-111-75 Mill 2. STO04-13580-105-31 PPW	Aluminum STOUGHTON Style  1. STO02-13352-110-00 110"
Aluminum STOUGHTON Style  1. STO02-14899-107-00	Aluminum STOUGHTON Style  1. STO02-19144-107-56 107-9/16"	Punched Steel STOUGHTON Style  1. STO18-04077-000-00 Lift Post
Steel "Z" STRICK Style  1. STRAA63B00112300 105-3/8"	Steel TRAILMOBILE Style  1. TMB90-4-1266-112 112"	Aluminum TRAILMOBILE Style  1. TMB90-4-483-114 114"

Aluminum TRAILMOBILE Style Starter  1. TMB90-4-483-114 114"	Aluminum UTILITY Style  1. UTIZ805	
Exterior Side Post  1. 31RF0804093 Material: 6061-T6 Aluminum	Exterior Side Post  1. 31RF0804130 Material: 6061-T6 Aluminum	Exterior Side Post  1. 31RF0804183 Material: 6061-T6 Aluminum
Interior Side Post  1. 40RF001500501 Material: 6061-T6 Aluminum	Interior Side Post  1. 39RFSPALU Material: 6061-T6 Aluminum	Side Stringer  1. 39RFSSPVC Material: PVC
Side Stringer  1. 40RF0064530 Material: PVC	Side Stringer  1. 40RF0064480 Material: PVC	

2.3.4: REEFER PANELS

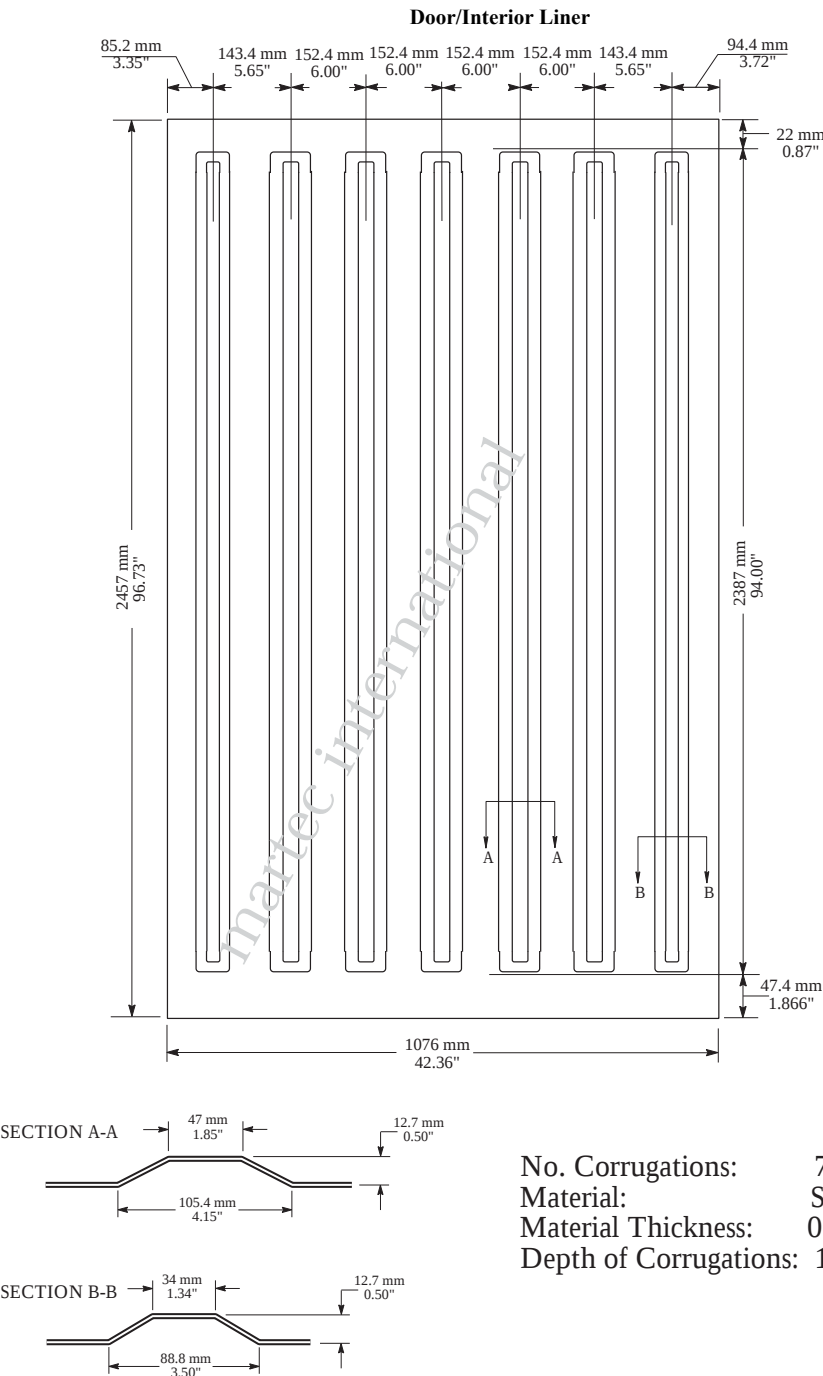
Interior Patch  50 mm 1.96" 28 mm 1.10" 26 mm 1.02" 150 mm 5.9" 360 mm 14.17" 1. 57RFSSP1C	 107 mm 4.22" 107 mm 4.22" 50 mm 1.96" 28 mm 1.10" 52 mm 2.05" 310 mm 12.2" 360 mm 14.17" 1. 57RFSSP2C
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2.3.4: REEFER PANELS



1. 43RF3221472

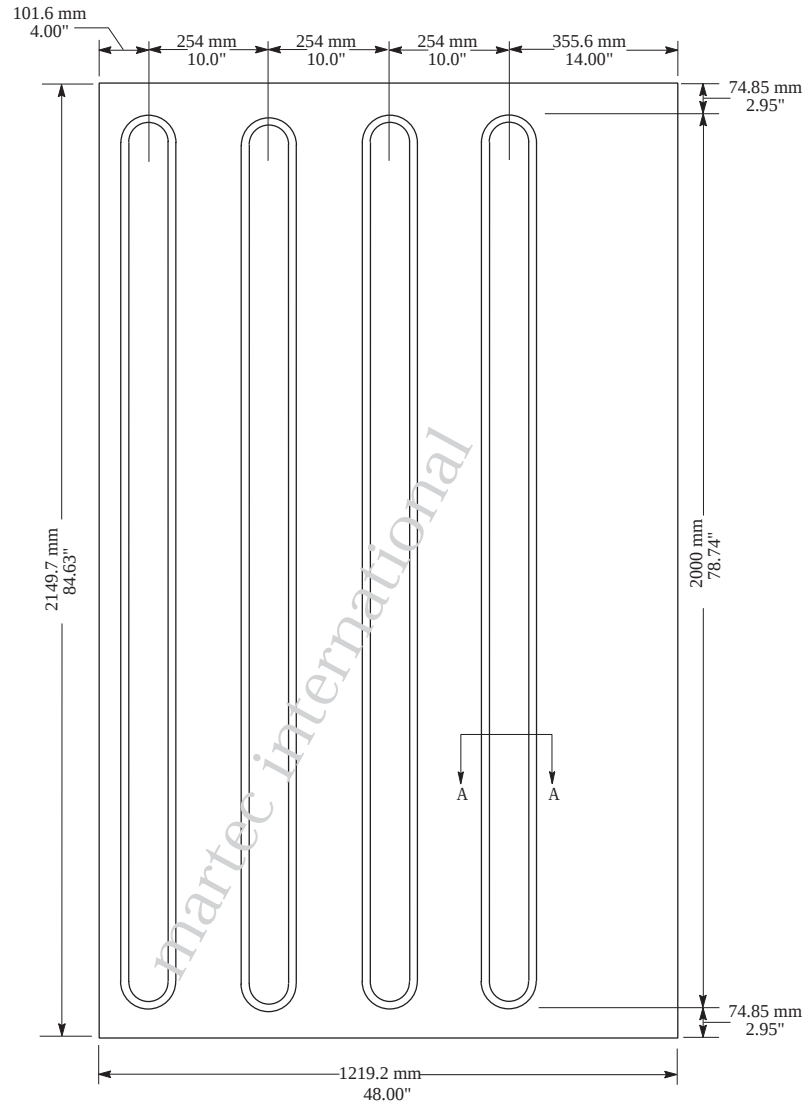
2.3.4: REEFER PANELS



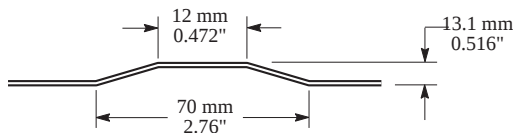
1. 43RF3221475

2.3.4: REEFER PANELS

Interior Liner



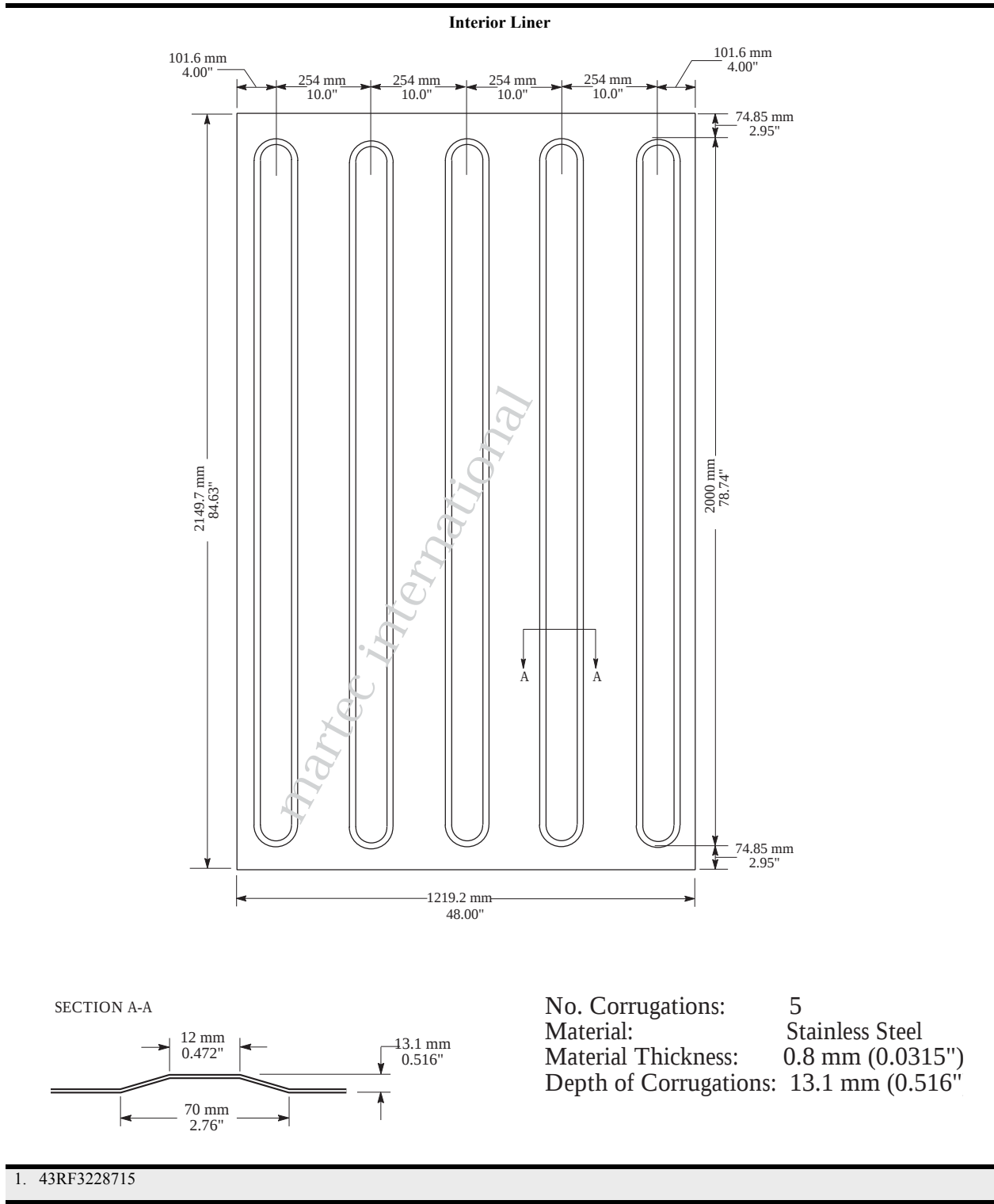
SECTION A-A



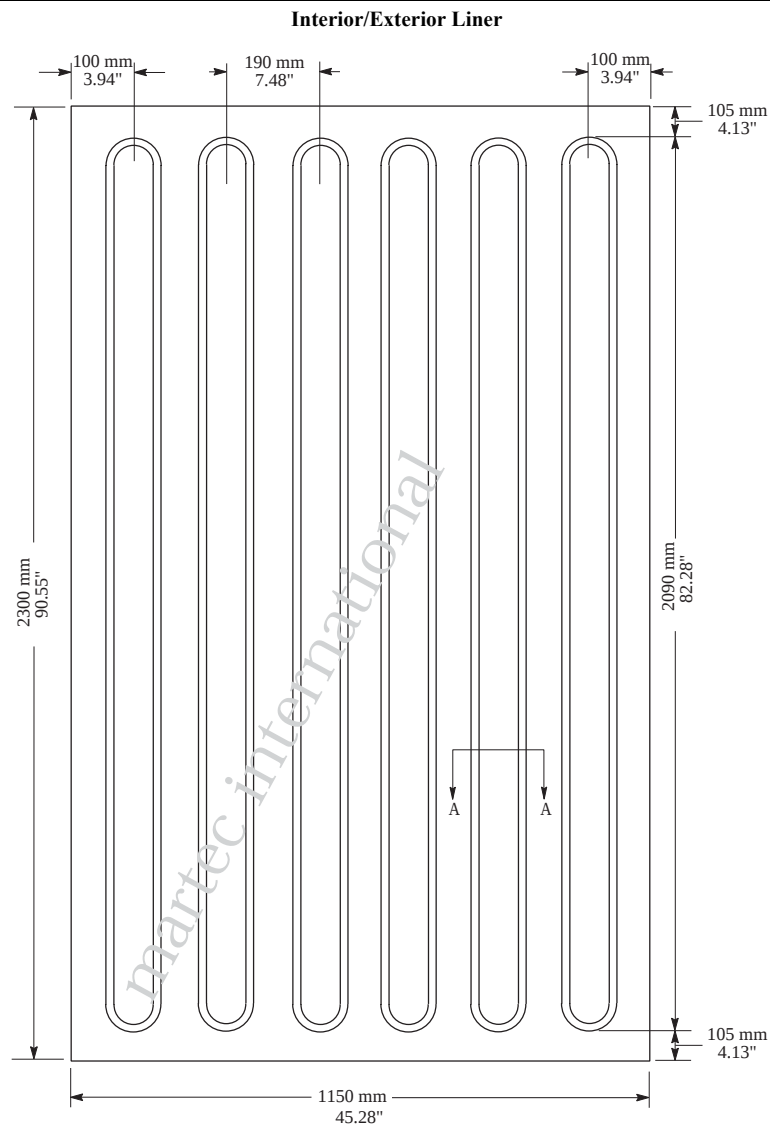
No. Corrugations: 5
 Material: Stainless Steel
 Material Thickness: 0.8 mm (0.0315")
 Depth of Corrugations: 13.1 mm (0.516")

1. 43RF3228714

2.3.4: REEFER PANELS

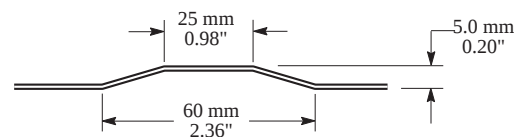


2.3.4: REEFER PANELS



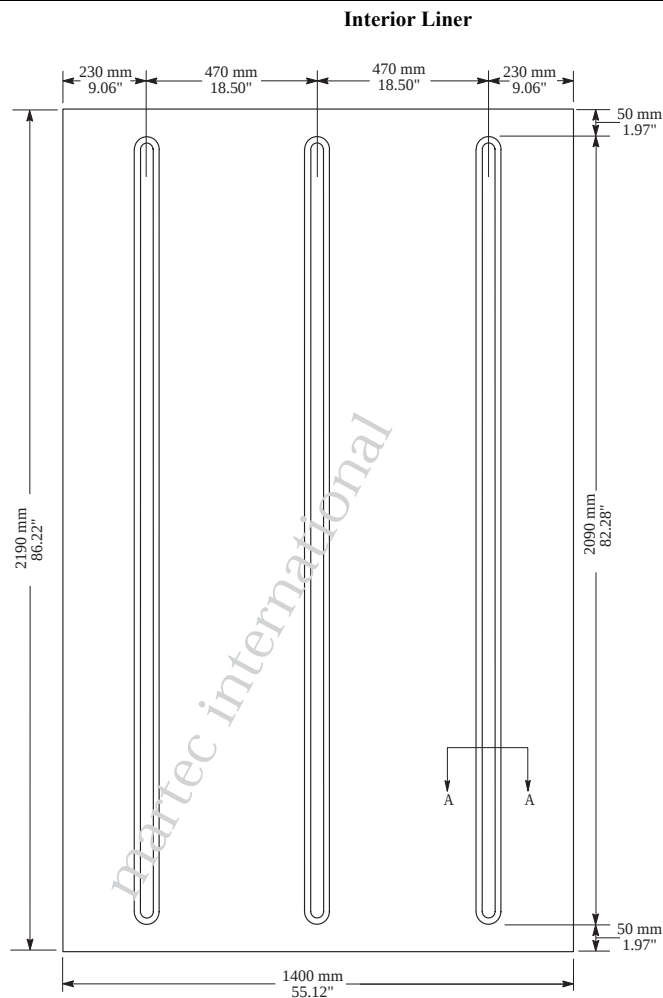
No. Corrugations: 6
 Material: Stainless Steel
 Material Thickness: 1.2mm (0.047")
 Depth of Corrugations: 5.0mm (0.20")

SECTION A-A



1. 52RF1001

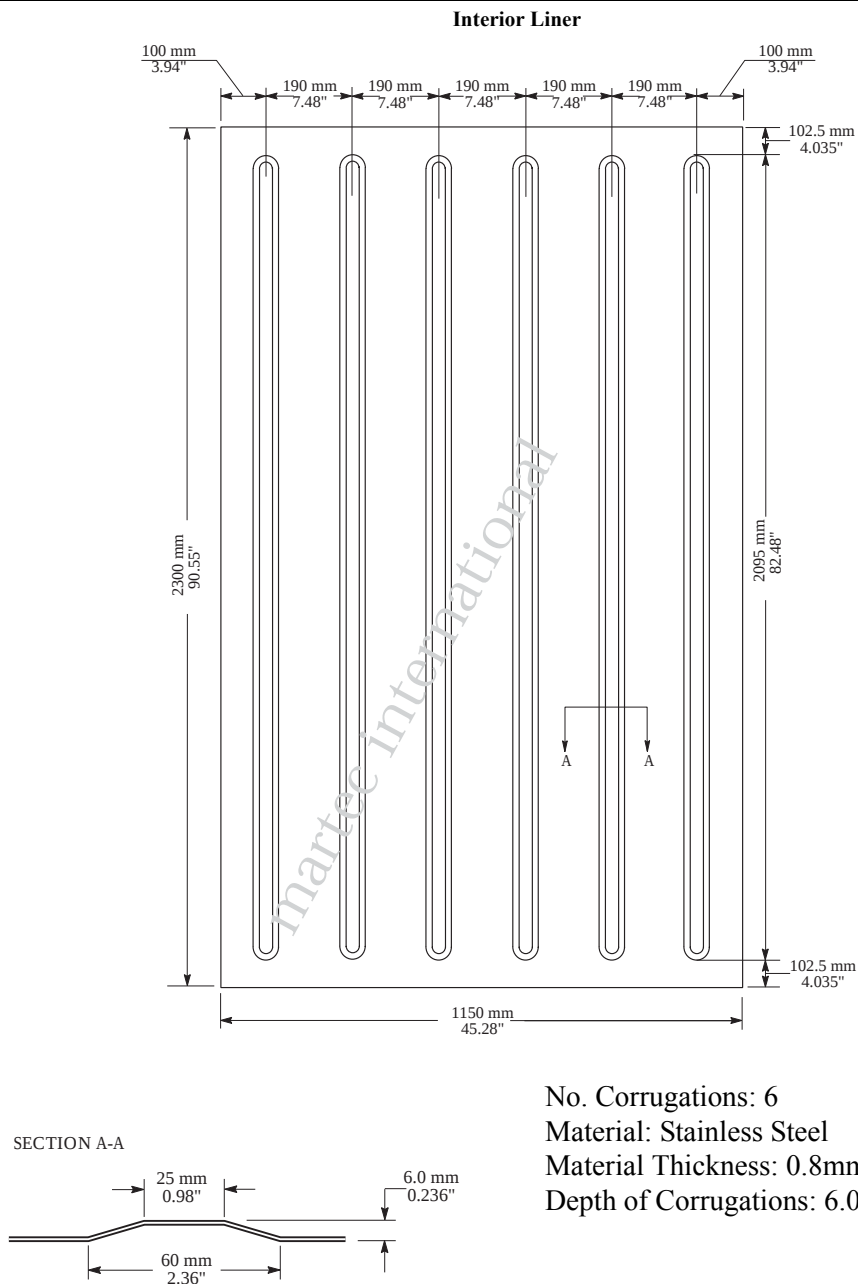
2.3.4: REEFER PANELS



No. Corrugations: 3
Material: Stainless Steel
Material Thickness: 0.8 mm (0.031")
Depth of Corrugations: 7.0 mm (0.28")

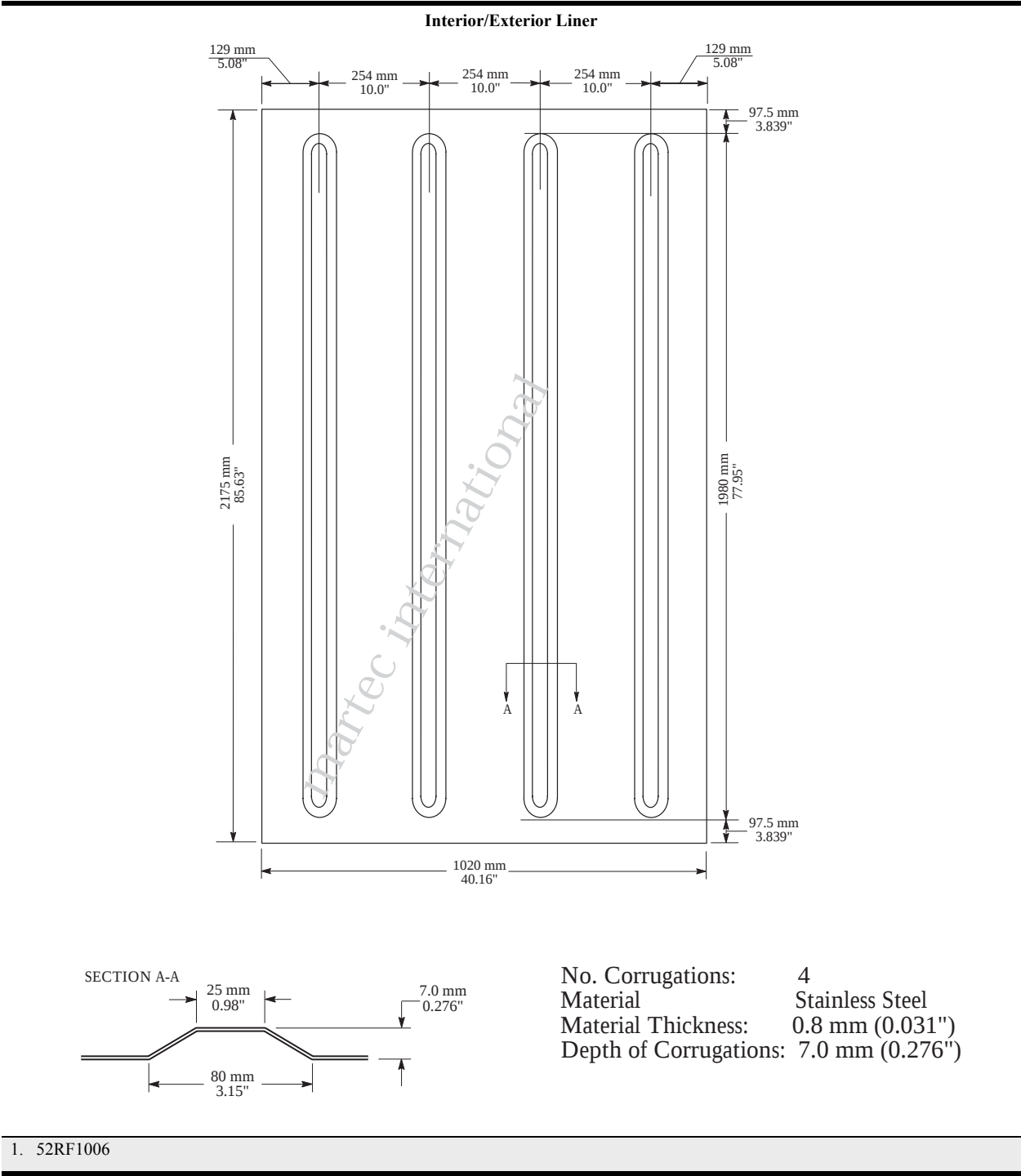
1. 52RF100188A3C

2.3.4: REEFER PANELS



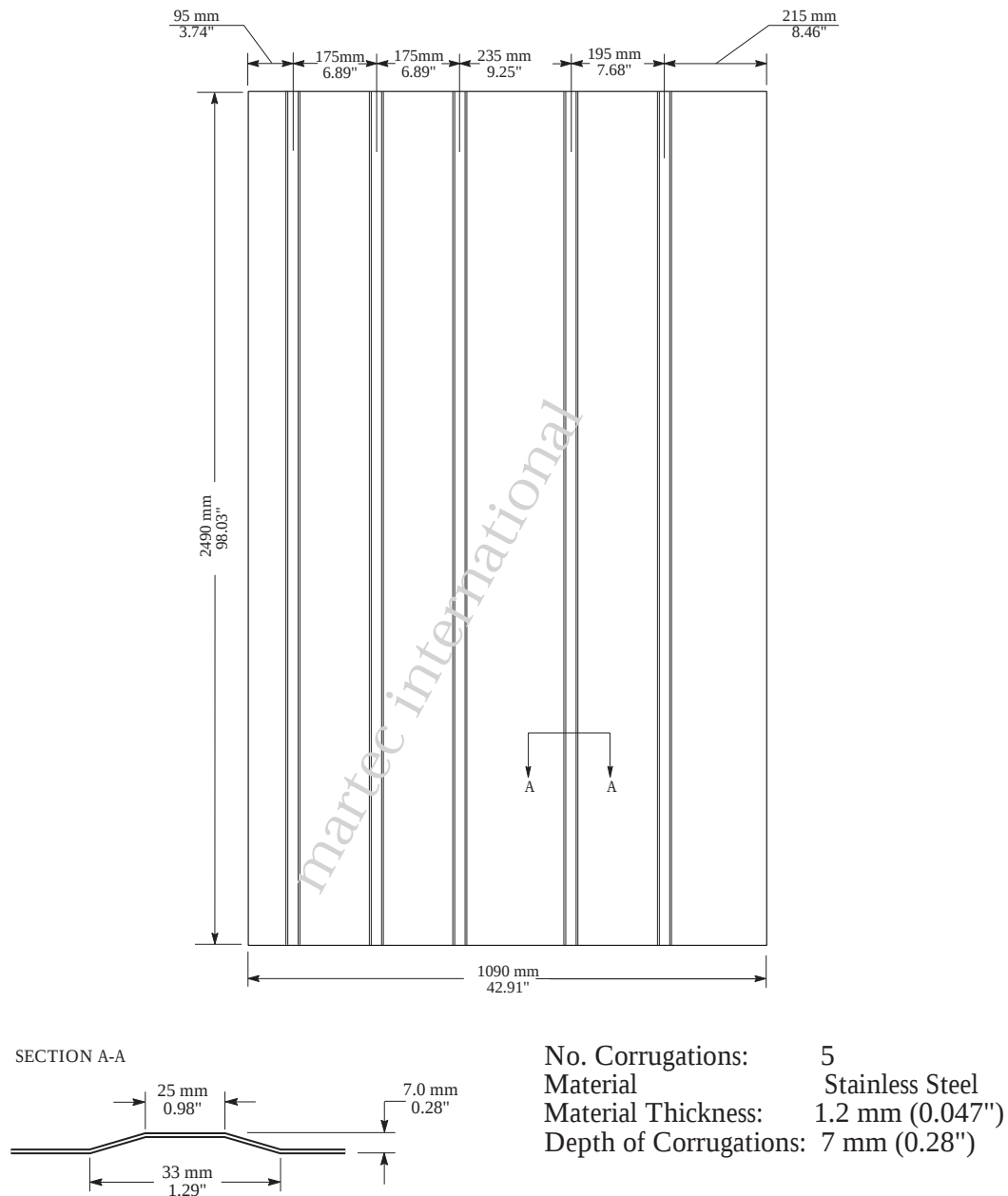
1. 52RF1005

2.3.4: REEFER PANELS



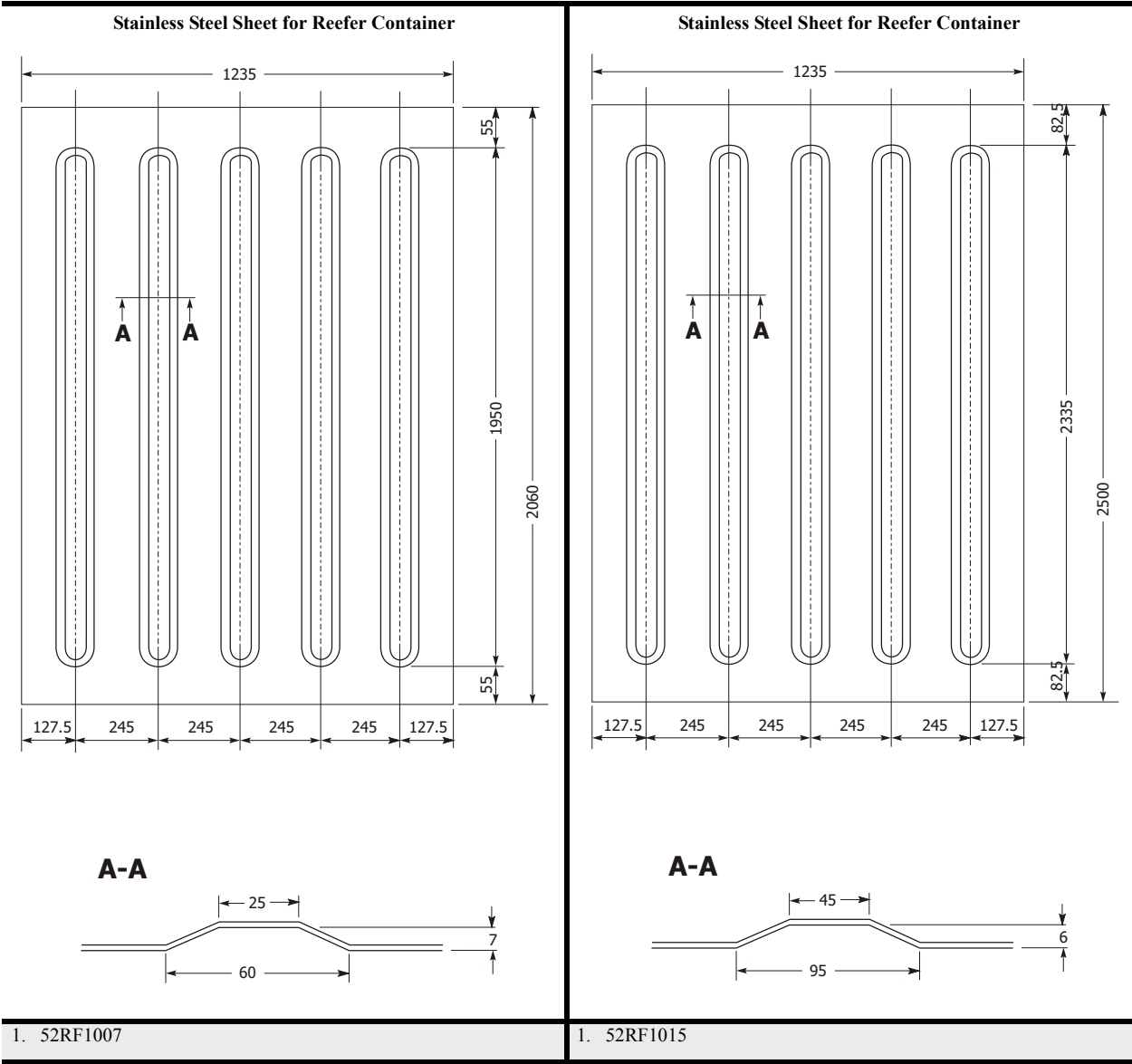
2.3.4: REEFER PANELS

Exterior Liner

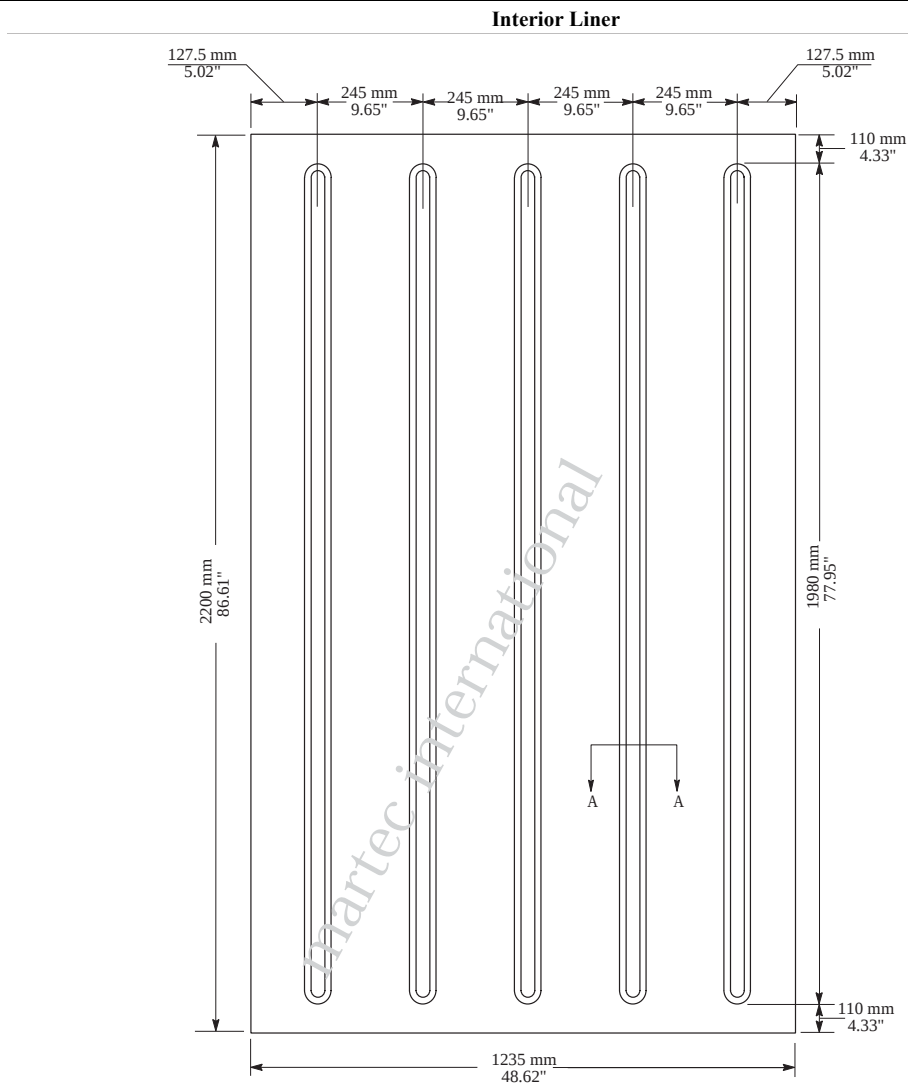


1. 52RFSD0016

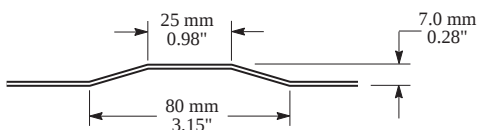
2.3.4: REEFER PANELS



2.3.4: REEFER PANELS



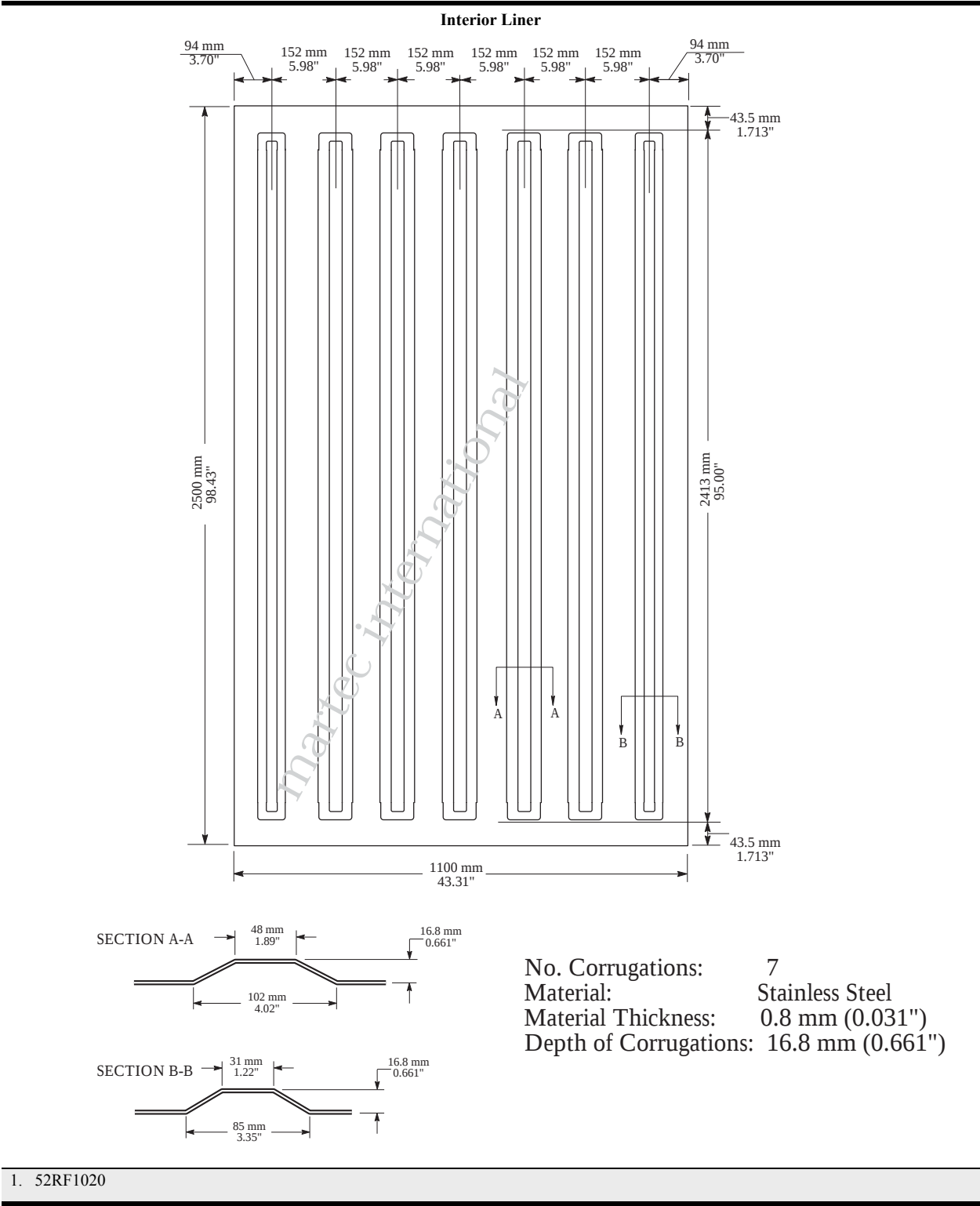
SECTION A-A



No. Corrugations: 5
 Material: Stainless Steel
 Material Thickness: 0.8 mm (0.031")
 Depth of Corrugations: 7.0 mm (0.28")

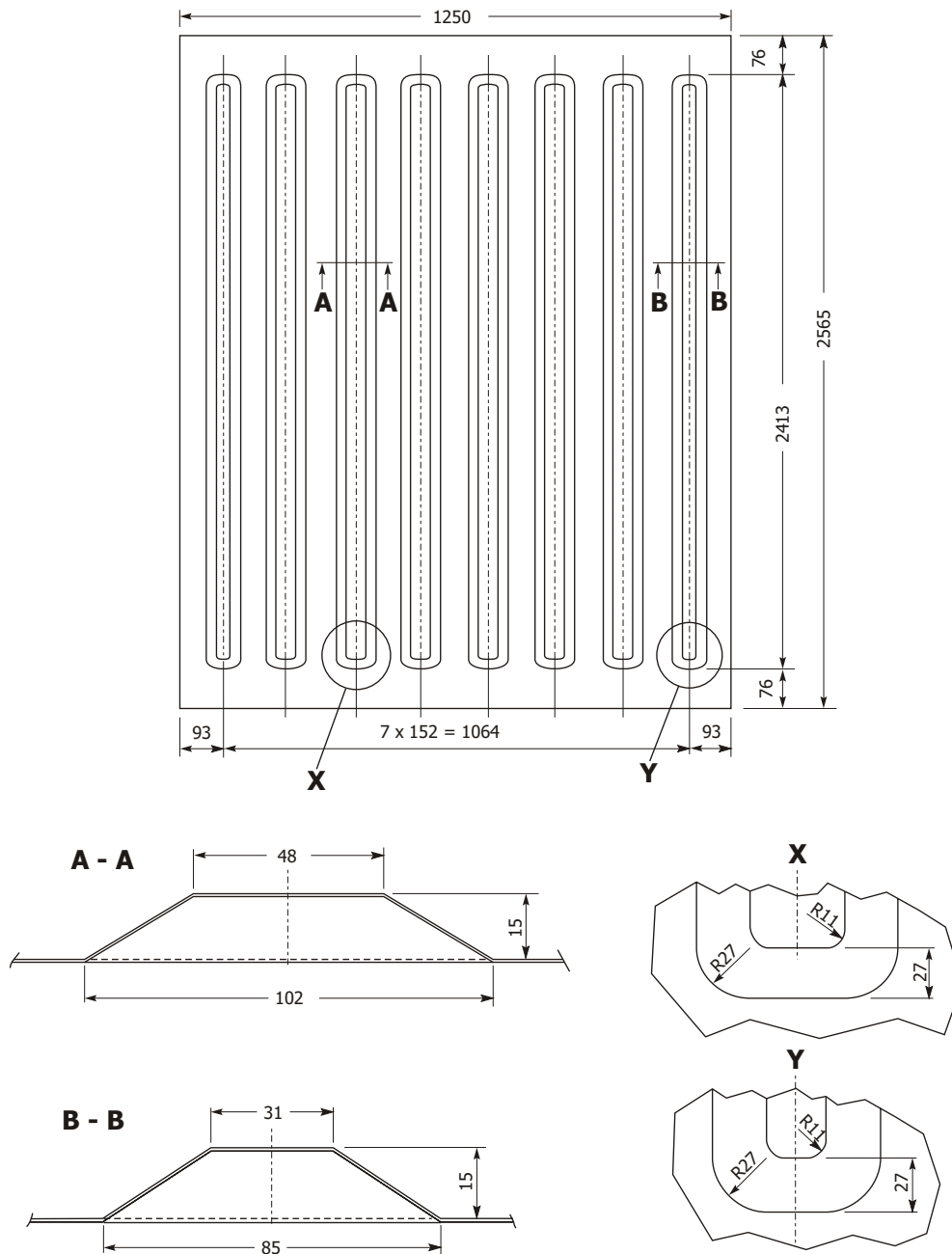
1. 52RF10065

2.3.4: REEFER PANELS



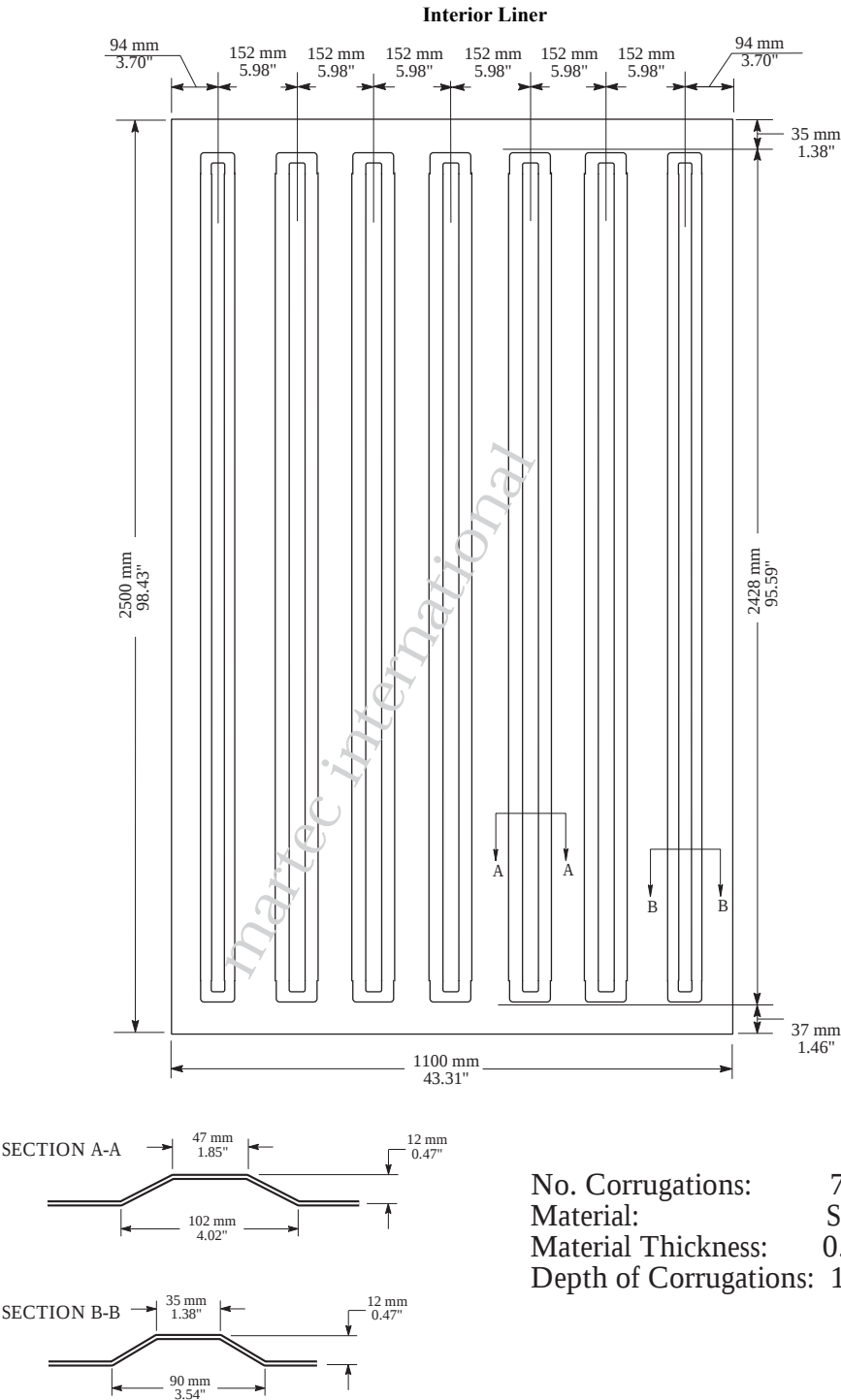
2.3.4: REEFER PANELS

Stainless Steel Sheet for Reefer Container



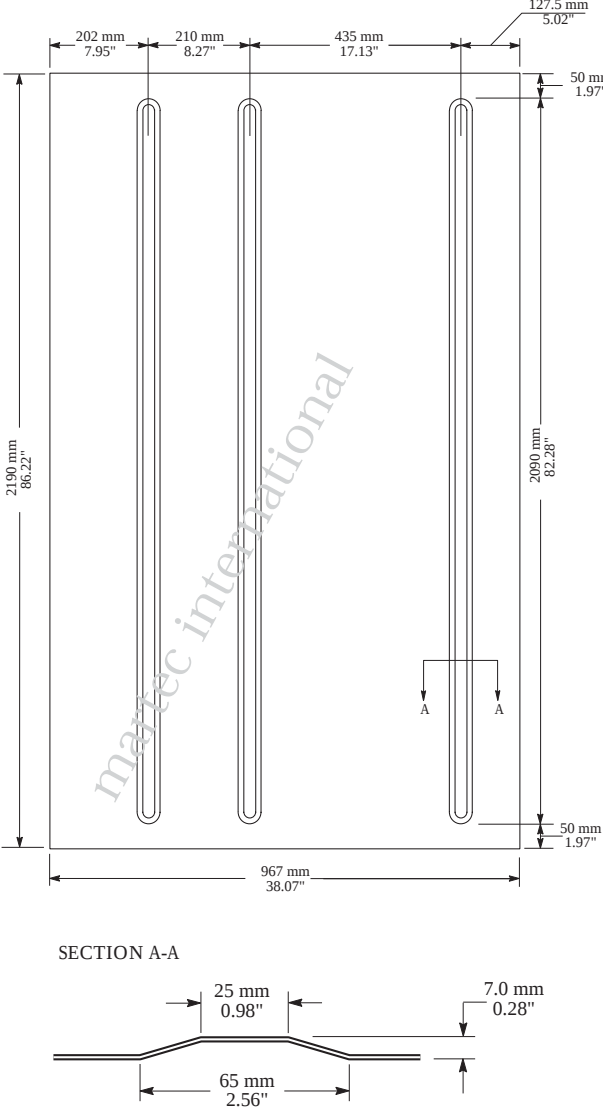
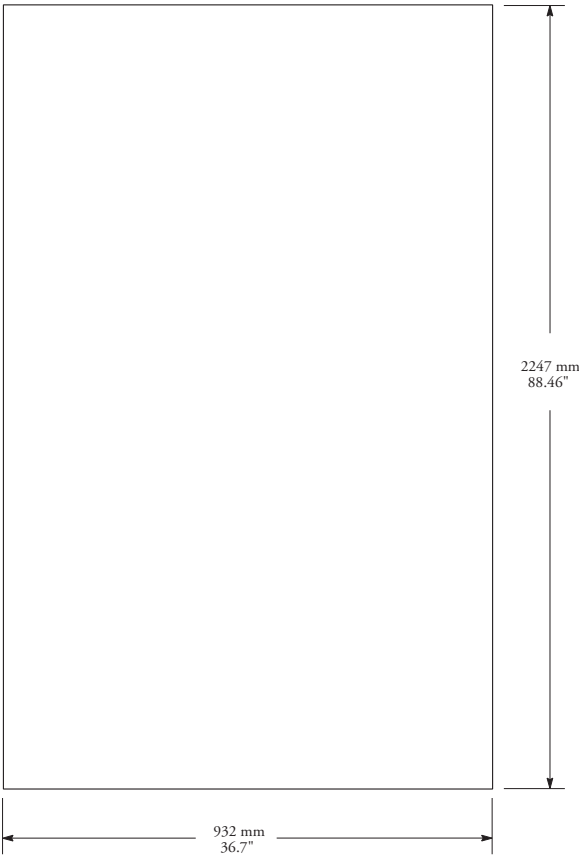
1. 52RF102091A8

2.3.4: REEFER PANELS

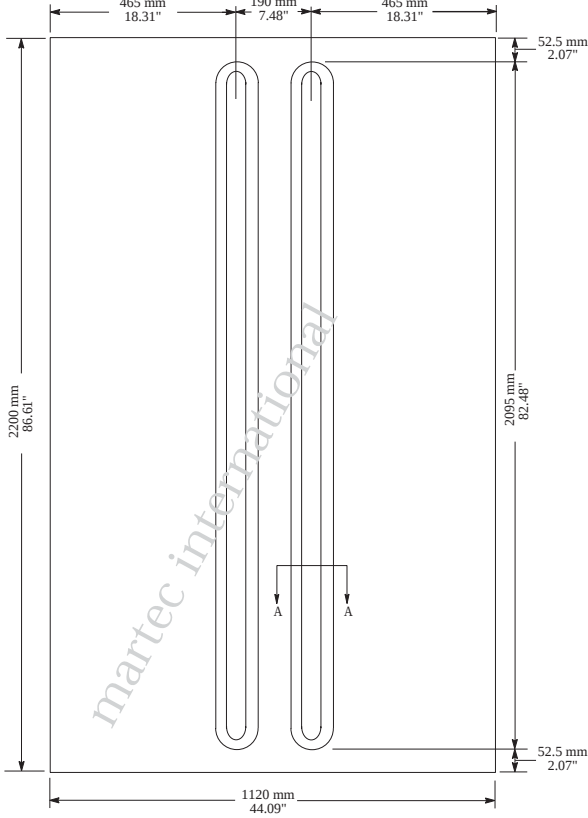
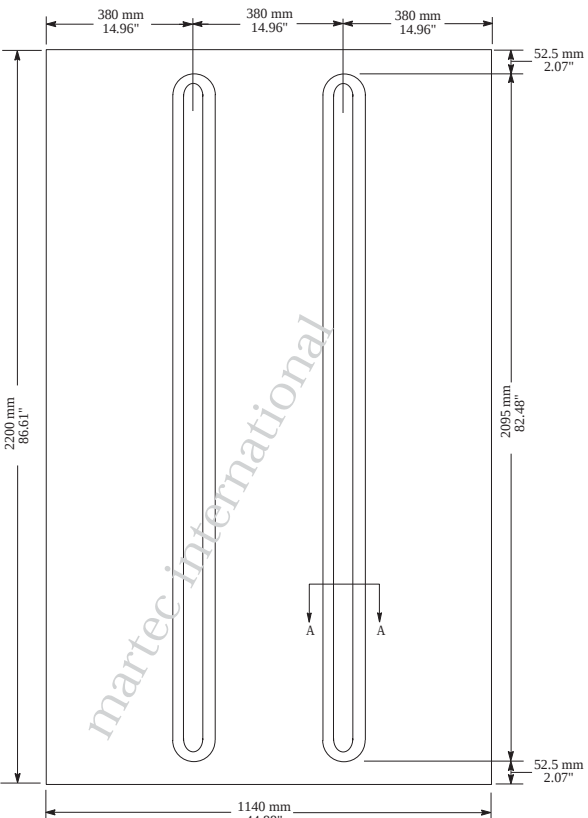


1. 52RF102291A

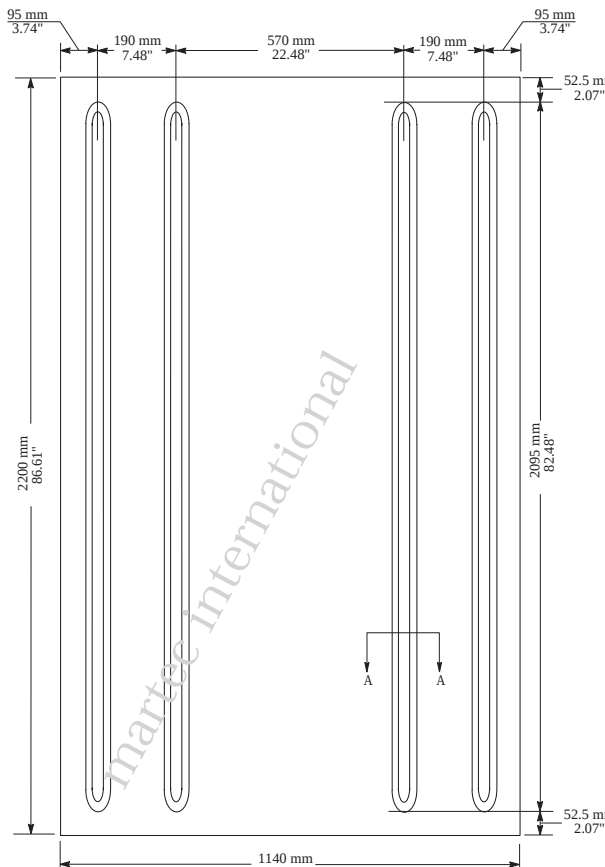
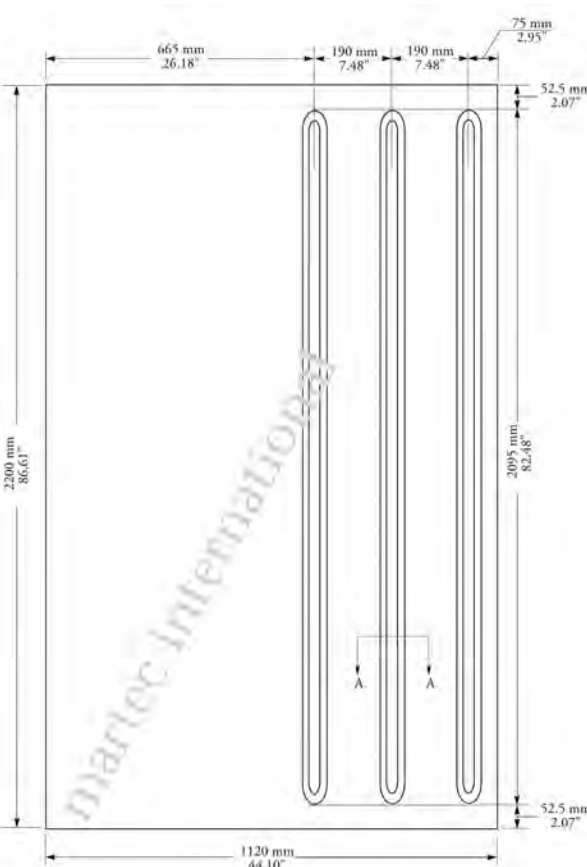
2.3.4: REEFER PANELS

Interior Liner	Side Panel ALU
 SECTION A-A No. Corrugations: 3 Material: Stainless Steel Material Thickness: 0.8 mm (0.031") Depth of Corrugations: 7.0 mm (0.28")	 Material: Aluminum
1. 52RF1040	1. 52RF12019A

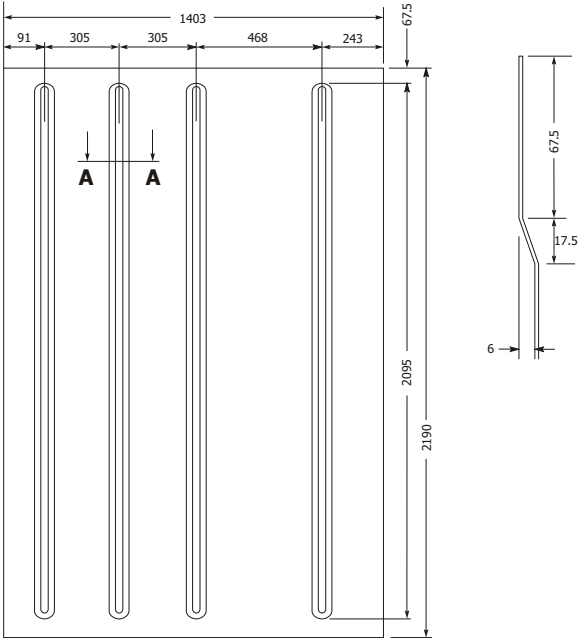
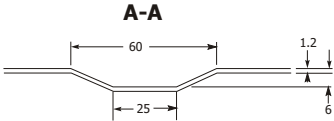
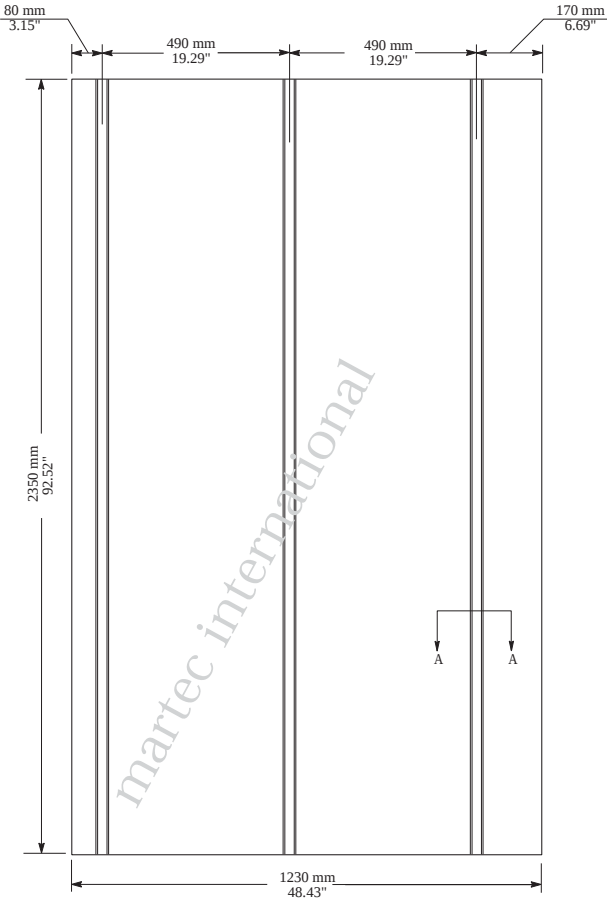
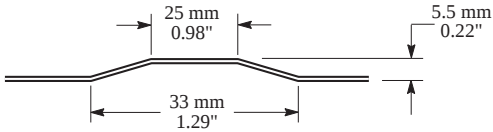
2.3.4: REEFER PANELS

Exterior Liner  SECTION A-A 25 mm 0.98" 12.0 mm 0.47" 60 mm 2.36" No. Corrugations: 2 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 12.0 mm (0.47") 1. 52RF1002	Exterior Liner  SECTION A-A 25 mm 0.98" 12.0 mm 0.47" 60 mm 2.36" No. Corrugations: 2 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 12.0 mm (0.47") 1. 52RF1003
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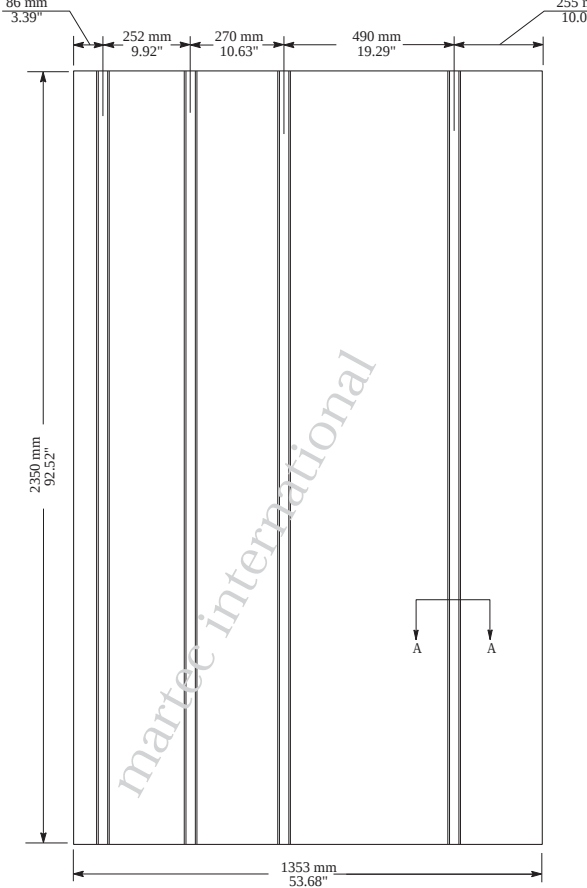
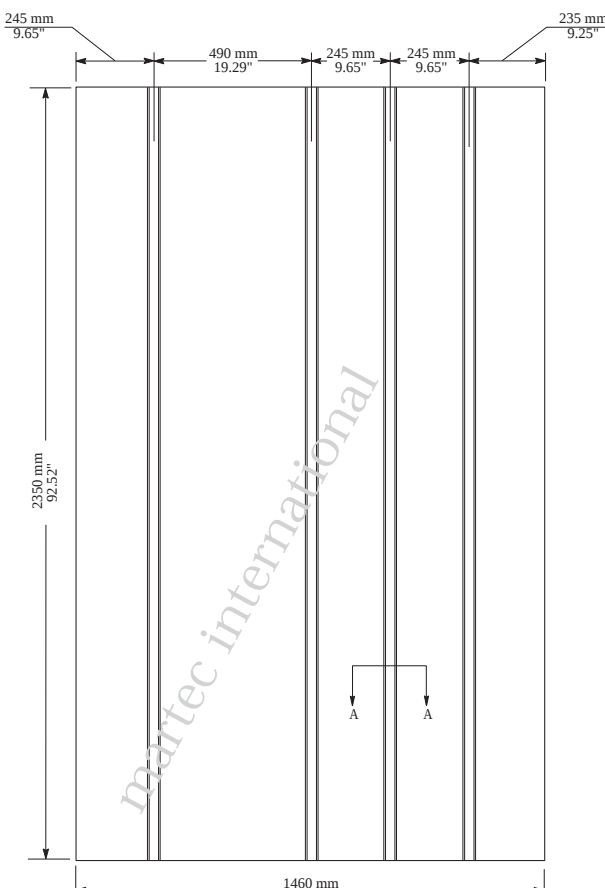
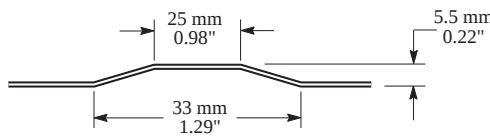
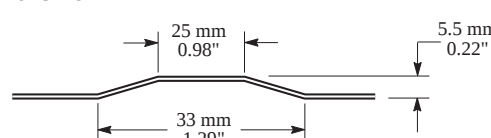
2.3.4: REEFER PANELS

Exterior Liner  SECTION A-A 25 mm 0.98" 12.0 mm 0.47" 60 mm 2.36" No. Corrugations: 4 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 12.0 mm (0.47") 1. 52RF1003A	Exterior Liner  SECTION A-A 25 mm 0.98" 12.0 mm 0.47" 60 mm 2.36" No. Corrugations: 3 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 12.0 mm (0.47") 1. 52RF1004
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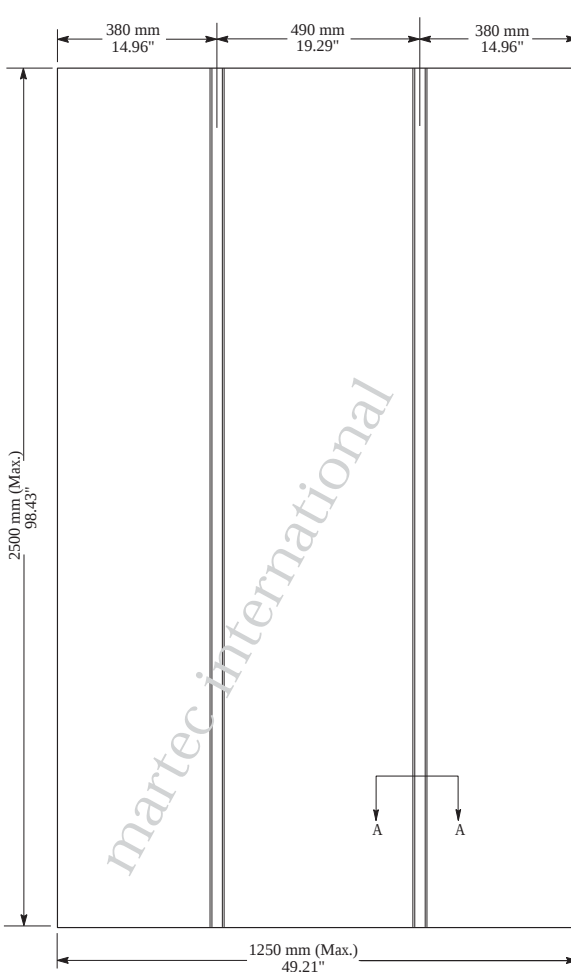
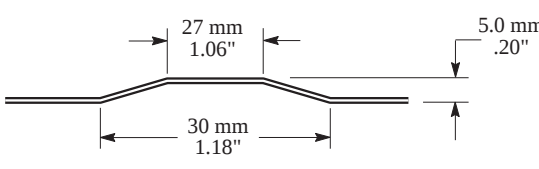
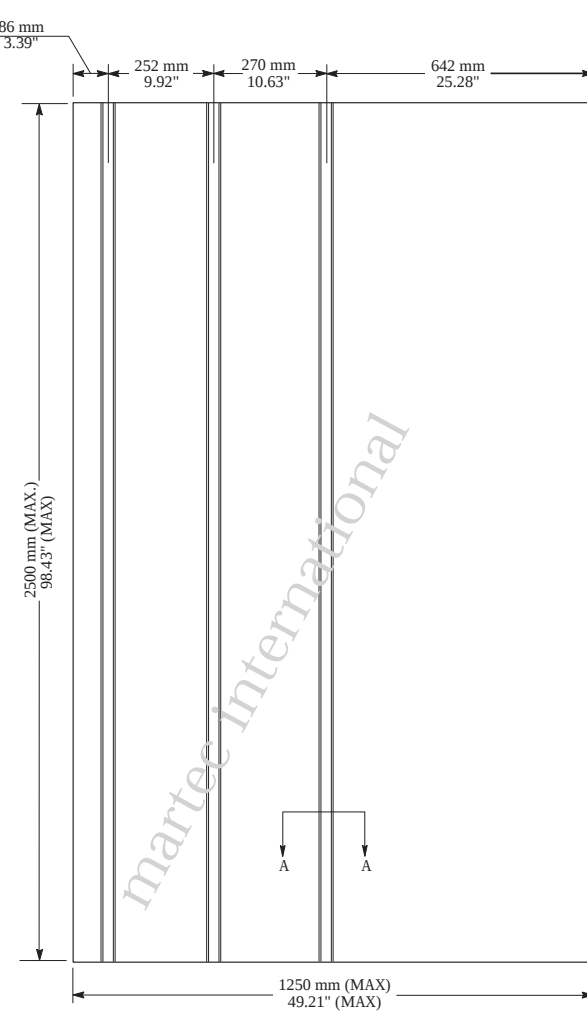
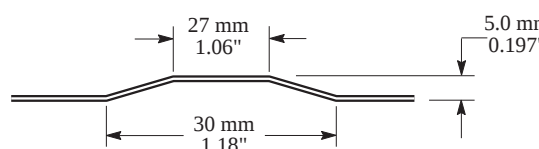
2.3.4: REEFER PANELS

Side Wall Sheet, Exterior  A-A 	Exterior Liner  SECTION A-A  No. Corrugations: 3 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 5.5 mm (0.2165")
1. 52RF100188A4C	1. 52RF101791 A-1

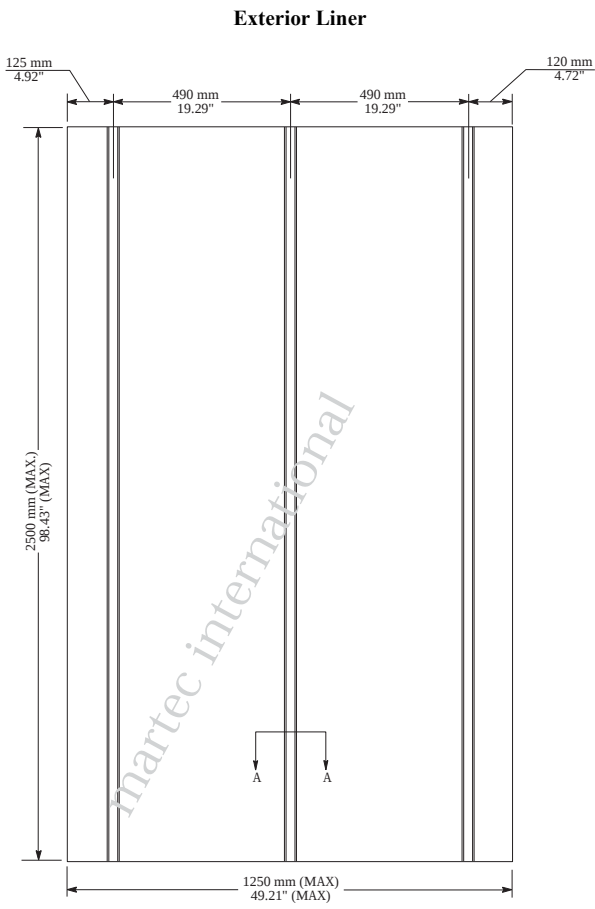
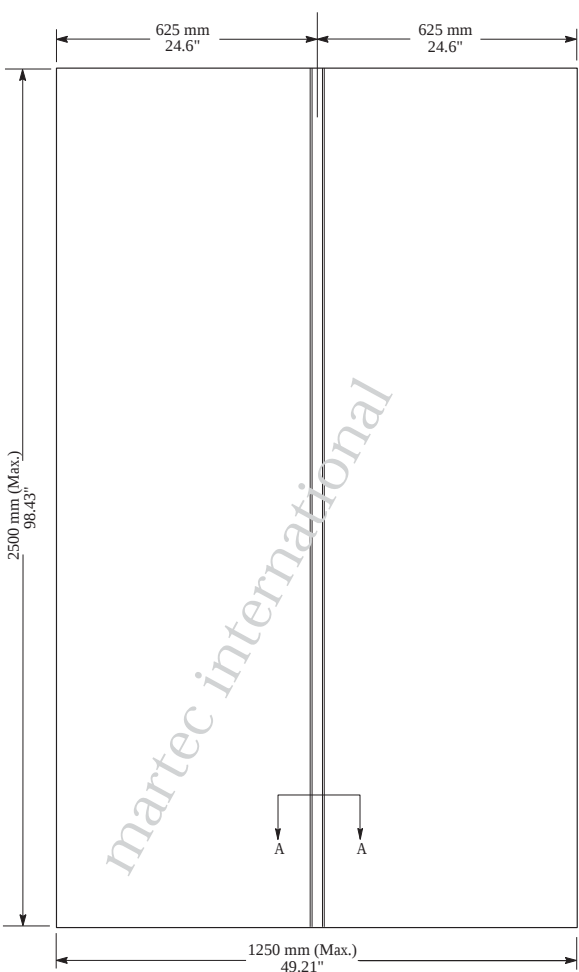
2.3.4: REEFER PANELS

Exterior Liner	Exterior Liner
	
SECTION A-A  No. Corrugations: 4 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 5.5 mm (0.2165")	SECTION A-A  No. Corrugations: 4 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 5.5 mm (0.2165")
1. 52RF101791 A-2	1. 52RF101791 A-3

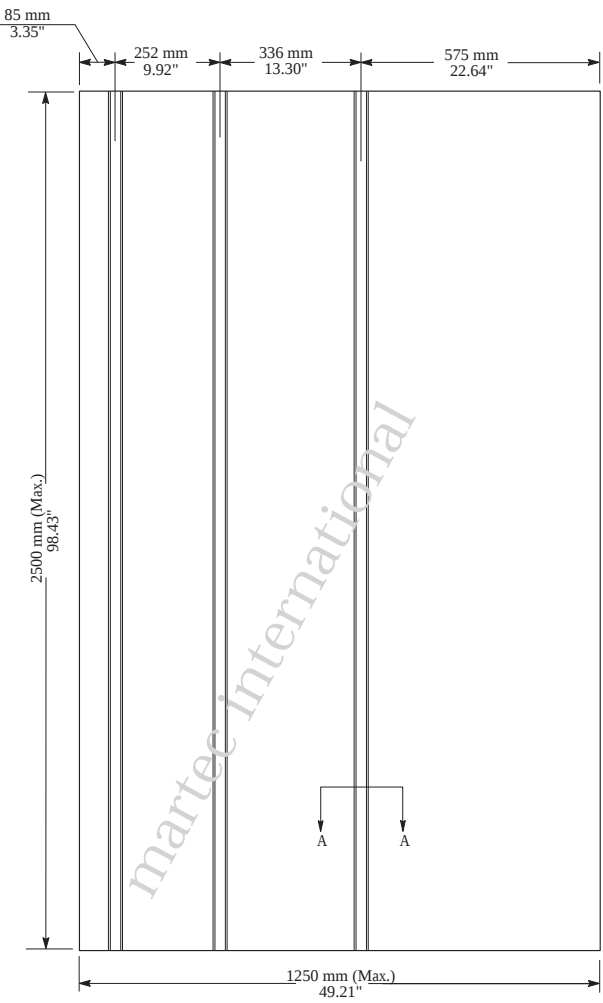
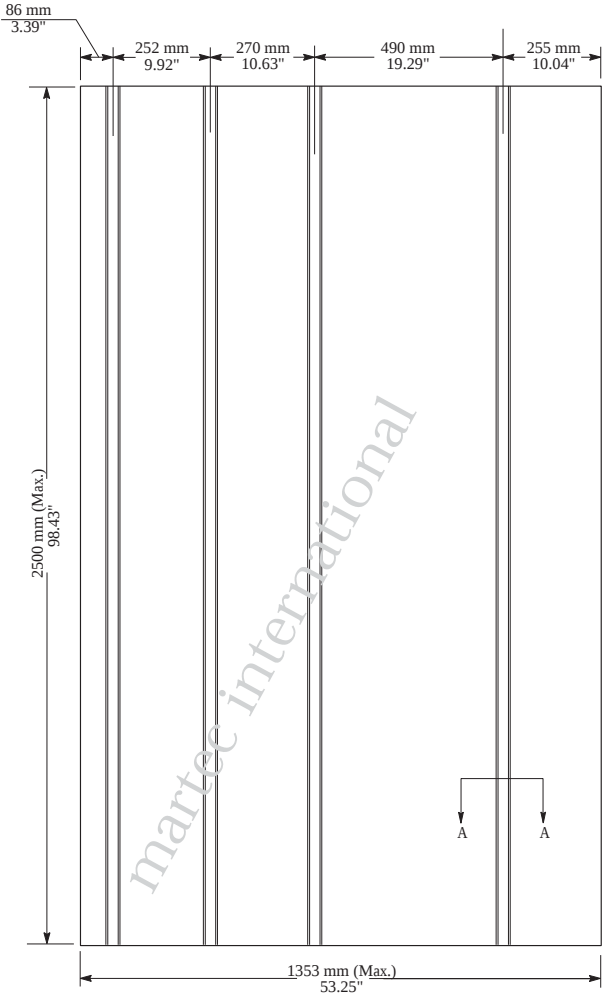
2.3.4: REEFER PANELS

Exterior Liner  SECTION A-A  No. Corrugations: 2 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 5.0 mm (0.20") 1. 52RF101791 A-4	Exterior Liner  SECTION A-A  No. Corrugations: 3 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 5.0 mm (0.197") 1. 52RF101791 A-5
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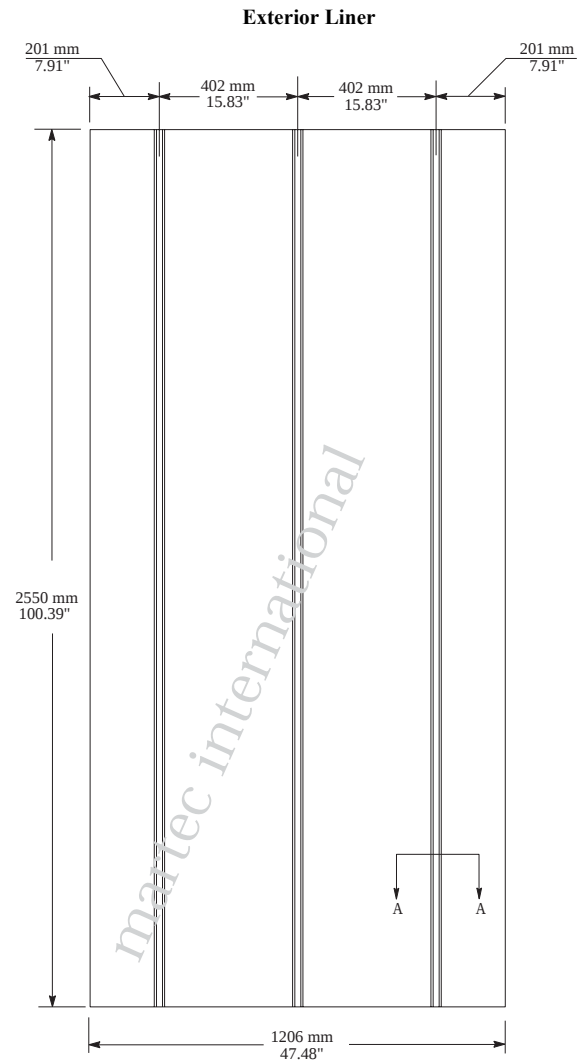
2.3.4: REEFER PANELS

Exterior Liner  SECTION A-A No. Corrugations: 3 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 5.0 mm (0.197") 1. 52RF101791 A-6	Exterior Liner  SECTION A-A No. Corrugations: 1 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 5.0 mm (0.20") 1. 52RF101791 A-7
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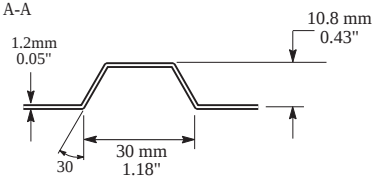
2.3.4: REEFER PANELS

Exterior Liner  SECTION A-A No. Corrugations: 3 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 5.0 mm (0.20") 1. 52RF101791 A-8	Exterior Liner  SECTION A-A No. Corrugations: 4 Material: Stainless Steel Material Thickness: 1.2 mm (0.047") Depth of Corrugations: 5.0 mm (0.20") 1. 52RF101791 A-9
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2.3.4: REEFER PANELS



SECTION A-A

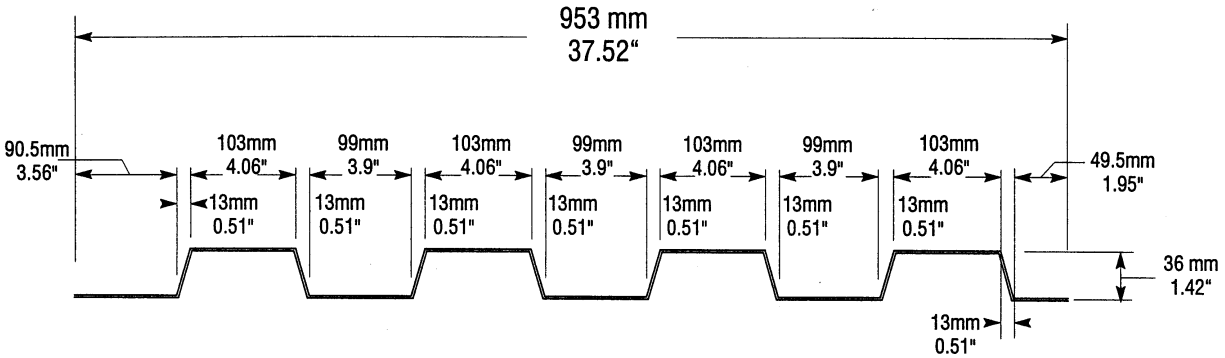


No. Corrugations: 3
 Material: Stainless Steel
 Material Thickness: 1.2 mm (0.05")
 Depth of Corrugations: 10.8 mm (0.43")

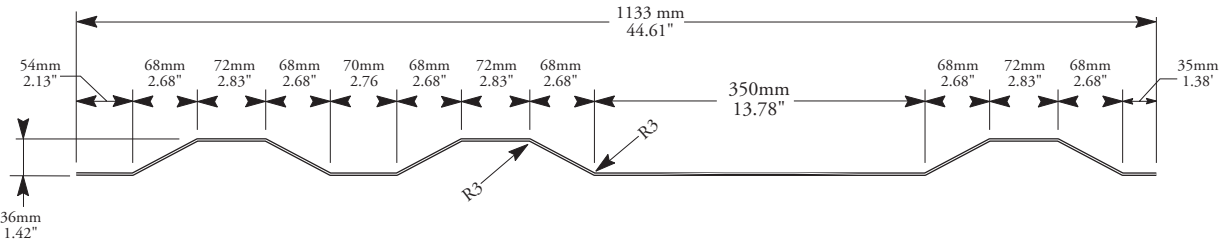
1. 52RFSD0015

2.3.5: PANELS/SIDE SHEETS

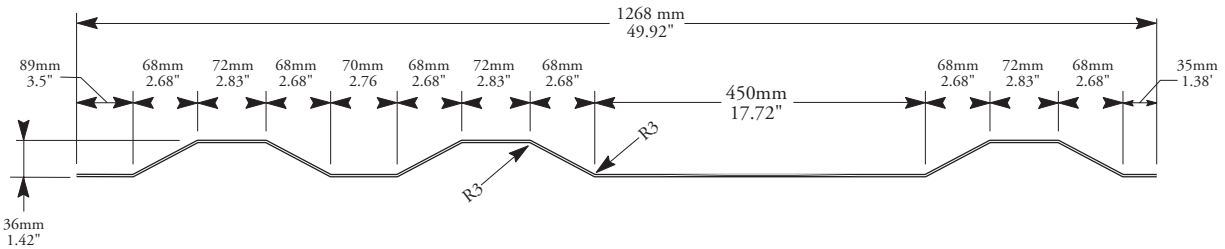
2.3.5.1: SIDE PANELS



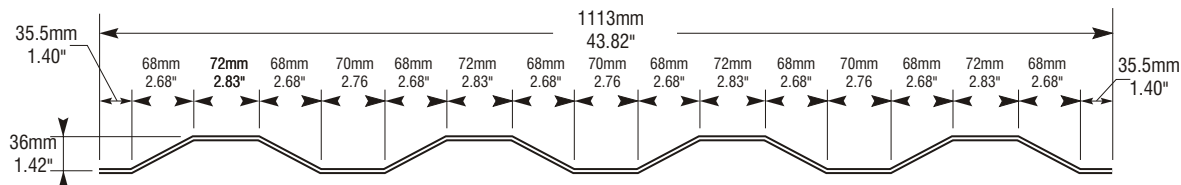
No. Corrugations: 4	Depth of Corrugations: 36mm (1/42")	Material: Corten, Primed	Length: 2,743mm (108")
1. MTR 11C			



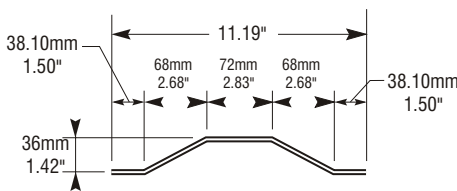
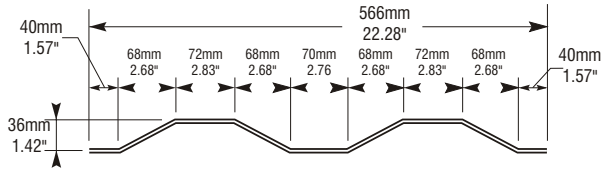
No. Corrugations: 3	Depth of Corrugations: 36mm (1.42")	Material: Corten, Primed	Length: 2,743mm (108")
1. MTR 14C			

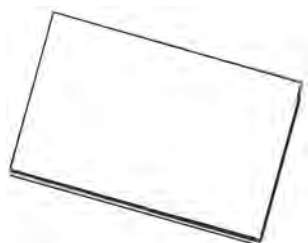


No. Corrugations: 3	Depth of Corrugations: 36mm (1.42")	Material: Corten, Primed	Length: 2,743mm (108")
1. MTR 14AC			

2.3.5.1: SIDE PANELS

1. 47MTR15C

Also available in patches:

No. Corrugations: See drawing	Depth of Corrugations: 36mm (1.42")	Material: Corten, Primed	Length: See below
			
1 Corrugation		2 Corrugation	
53WR112H x 6" 53WR113H x 12" 53WR114H x 18"		53WR115H x 6" 53WR116H x 12" 53WR117H x 18"	

2.3.5.2: DURAPLATE® PANELS (PNL1)


PNL1

PART NUMBER	THICKNESS	WIDTH	LENGTH	COLOR	SPECIAL CHARACTERISTICSSHI P-LAP
PNL1-16	.331"	49"	112-3/4"	WHITE	LOGISTIC
PNL1-23	.331"	48"	122"	WHITE	SHIP-LAP
PNL1-29	.331"	49"	126"	WHITE	LOGISTIC

2.3.5.3: .050" FLAT ALUMINUM PANELS (PNL2)

PNL2

PART NUMBER	WIDTH	LENGTH	COLOR SIDE 1	COLOR SIDE 2	SPECIAL CHARACTERISTICS
PNL2-3	49"	108"	GRAY	WHITE	PVC COATED
PNL2-6	49"	110"	WHITE	WASH	
PNL2-7	49"	110"	WHITE	WASH	PVC COATED
PNL2-10	49"	110"	MILL FINISH	MILL FINISH	
PNL2-14	49"	120"	WHITE	WASH	
PNL2-15	49"	120"	WHITE	WASH	PVC COATED
PNL2-16	49"	120"	MILL FINISH		

2.3.5.4: .160" FLAT ALUMINUM PLATE PANELS (PNL4)

PNL4

PART NUMBER	WIDTH	LENGTH	COLOR SIDE 1	COLOR SIDE 2	SPECIAL CHARACTERISTICS
PNL4-1	47"	114.62"	WHITE	ALUMINUM	
PNL4-2	48"	114.62"	WHITE	ALUMINUM	
PNL4-3	48"	114.62"	MILL FINISH	ALUMINUM	
PNL4-11	48"	129.50"	WHITE	ALUMINUM	
PNL4-17	48"	129.875"	WHITE	ALUMINUM	

2.3.5.5: .0262" GALVANIZED STEEL PANEL (PNL6)

PNL6

PART NUMBER	WIDTH	LENGTH	COLOR SIDE 1	COLOR SIDE 2	SPECIAL CHARACTERISTICS
PNL6-1	49"	110"	GRAY	WHITE	

2.3.5.6: 3/4" THICK FRP PANEL

FRP

PART NUMBER	WIDTH	LENGTH	COLOR SIDE 1	COLOR SIDE 2	SPECIAL CHARACTERISTICS
CRT75-3-2	8'	10"	WHITE	WHITE	White Tedlar Covered
CRT75-3-3	5'	10'	WHITE	WHITE	White Tedlar Covered

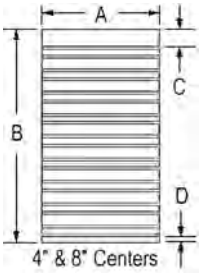
2.3.5.7: SPECIAL ORDER PANELS (PNL99)

PNL99

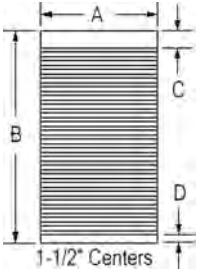
Call your sales representative
for pricing on complete
FRP side, roof, & other special order panels

2.3.5.8: CORRUGATED SIDE SHEETS

2.3.5.8.1: 2" 4" & 8" PATTERN

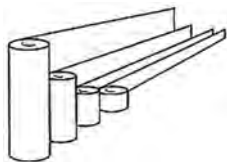
	NAME	PART NUMBER	CORR	A	B	C	D	COLOR
	WABASH	WAB01C00059	15	49"	106-5/8"	15/18"	7-1/2"	WHITE
	UTILITY	UTI3-6001-099	15	49"	106-1/8"	17.8"	5-1/2"	WHITE
	TRAILMO-BILE	TMB700-513-27-26	16	49"	107-1/2"	16"	2-1/2"	WHITE
	GREAT DANE	GDA11304	15	49"	107-1/2"	18-1/4"	6.5"	WHITE
	GREAT DANE	GDA11305	16	49"	107-3/8"	18-1/8"	6.5"	WHITE

2.3.5.8.2: FRUEHAUF 1-1/2" CORRUGATION

	PART NUMBER	CORR	A	B	C	D	COLOR
	FRUWCC8010-27G	66	49"	105-3/4"	6"	3"	.050" METALLIC GRAY
	FRUWCC8010-27W	66	49"	107-1/4"	6"	3"	.050" WHITE
	FRUWCF5519-W20	43	49"	98-1/4"	(ENDURO)		.040" WHITE
	FRUWCF5519-W23	44	49"	101-1/4"	(ENDURO)		.040" WHITE

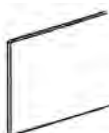
2.3.5.9: FIBERGLASS PANELS

	PART NUMBER	THICKNESS	A	B	NAME
	KEMAFS.74	.120"	48"	110"	Kemlite

2.3.6: SIDE WALL SCUFF**2.3.6.1: FIBERGLASS SCUFF (SCF1)**

SCF1

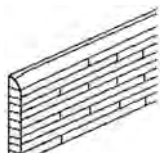
PART NUMBER	THICKNESS	HEIGHT	LENGTH
SCF1-1	.090"	12"	48'
SCF1-2	.090"	12"	53'
SCF1-3	.090"	16"	48'
SCF1-4	.090"	16"	53'
SCF1-5	.090"	18"	48'
SCF1-6	.090"	24"	48'
SCF1-7	.090"	24"	53'
SCF1-8	.090"	36"	48'
SCF1-9	.090"	48"	48'
SCF1-23	.090"	48"	53'
SCF1-24	.090"	18"	53'
SCF1-27	.090"	102"	53'
SCF1-10	.120"	12"	53'
SCF1-11	.120"	16"	48'
SCF1-12	.120"	16"	53'
SCF1-13	.120"	24"	48'
SCF1-14	.120"	24"	53'
SCF1-15	.120"	48"	48'
SCF1-26	.175"	24"	48'

2.3.6.2: POLY SCUFF (SCF2)

SCF2

PART NUMBER	THICKNESS	HEIGHT	LENGTH	COLOR
SCF2-2	.62"	12"	47'	WHITE
SCF2-3	.62"	12"	52'	WHITE
SCF2-4	.62"	12"	47'	BLACK
SCF2-5	.62"	12"	52'	BLACK
SCF2-15	.62"	18"	52'	BLACK

2.3.6.3: HARDWOOD SCUFF (SCF3)



SCF3

PART NUMBER	THICKNESS	HEIGHT	LENGTH
SCF3-2	.75"	12"	47'
SCF3-3	.75"	12"	52'
SCF3-5	1"	12"	28'
SCF3-6	1.12"	10"	8'
SCF3-9	1.31"	10.5"	8'
SCF3-10	.75"	12"	8'

2.3.6.4: EXTRUDED ALUMINUM SCUFF (SCF4)



TYPE 1



TYPE 2



TYPE 3

SCF4

PART NUMBER	TYPE	THICKNESS	HEIGHT	LENGTH
SCF4-1	1	.31"	12"	47'3"
SCF4-2	1	.31"	12"	52'
FRUSTK20789-47	2	.0625"	12.75"	47'
FRUSTK21565-48	3	.188"	12"	48'

2.3.6.5: CORRUGATED STEEL SCUFF (SCF5)**SCF5**

PART NUMBER	WABASH OE NUMBER	FRUEHAUF OE NUMBER	WABASH NUMBER	FRUEHAUF NUMBER	DESCRIPTION
SCF5-1	AR716210		48430071		6.5" x 51'9" x 18 GA 80PSI
SCF5-2	AR726210		48430072		8" x 51'9" x 18 GA 80PSI
SCF5-3	AR746210		48430074		8.75" x 51'9" x 18 GA
SCF5-4		STK30285-X		STK030285047	47' LINER
SCF5-5		STK30285-X		STK030285052	10-1/4" x 51'3" 16 GA
SCF5-7			48430049		12" x 28'
SCF5-9			48430060		12" x 47'
SCF5-10			48430063		12" x 52'
SCF5-11			48431863	MBPSP0312053	12" x 52'6"
SCF5-12			48430099		12.75" x 26'
SCF5-13				MBPSP0312047	12-3/4" x 46'8" x 16 GA
SCF5-14	AR776210		48430077		17" x 51'9" x 18 GA 80PSI
SCF5-15		STK30245-X	48430070	STK030245047	18" x 46'7" LINER
SCF5-16			48430069		18.75" x 51'9"
STL11					11" x 51'9"

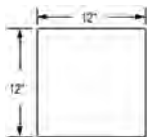
2.3.7: PLYWOOD & DIVIDERS**2.3.7.1: 48" X 96" PLYWOOD (WDS4)****WDS4**

PART NUMBER	DESCRIPTION
WDS4-8	.375" B/C Grade
WDS4-10	.750" Shop Grade

2.3.8: PATCHES & REPAIR KITS

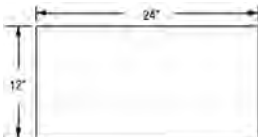
2.3.8.1: SELF ADHEREING PATCHES

Aluminum Patches (10)



- | | |
|--------------|----------|
| 1. RHDV1212N | Aluminum |
| 2. RHDV1212W | White |
| 3. RHD12X12Y | Yellow |

Aluminum Patches (5)



- | | |
|--------------|----------|
| 1. RHDV1224N | Aluminum |
| 2. RHDV1224W | White |
| 3. RHD12X24Y | Yellow |

Clear Lexan Patches (5)



- | | |
|--------------|-------|
| 1. RHDV1224T | Clear |
|--------------|-------|

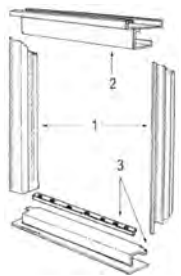
2.3.8.2: FRP REPAIR KITS

FRP Repair Kit



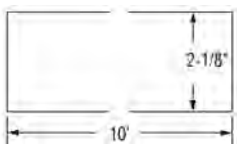
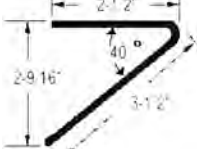
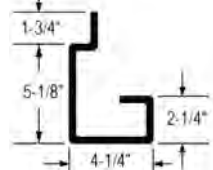
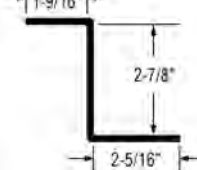
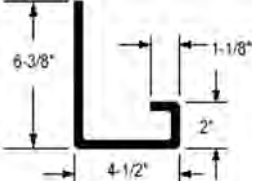
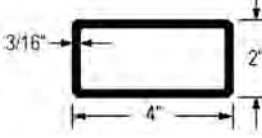
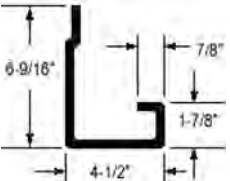
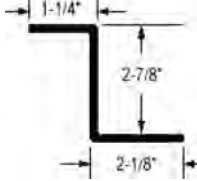
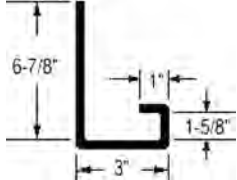
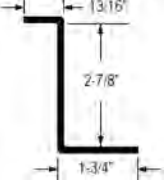
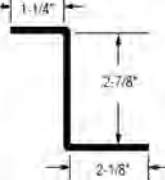
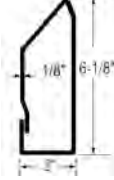
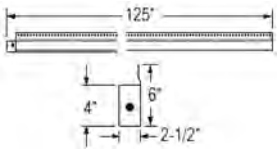
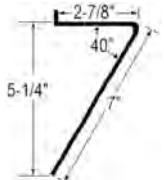
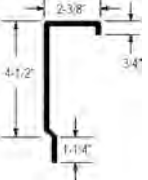
- | |
|------------|
| 1. KEMRK85 |
|------------|

2.4 Rear Frame

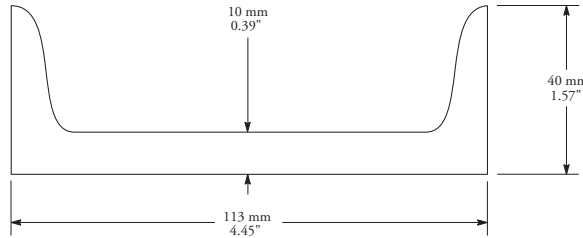
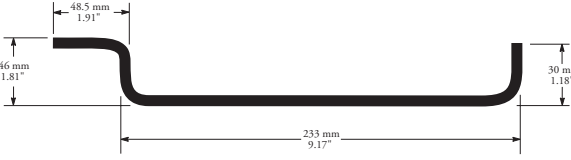
	Rear Frames 1. Rear Posts 2. Rear Header 3. Rear Crossmembers/Sills
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2.4.1: REAR FRAMES

2.4.1.1: WABASH REAR POSTS & ACCESSORIES

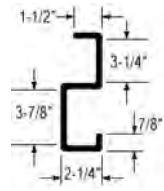
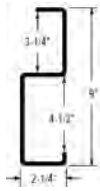
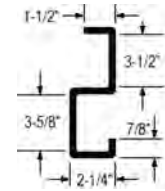
Attachment  120" 1. WAB05S00157	Overhead Track Protector  110" 1. WAB05S00146	 121-1/2" 1. WAB05S00543 R/S 2. WAB05S00544 C/S	 113-1/8" 1. WAB05S00604
 119-5/8" 1. WAB05S00605 C/S 2. WAB05S00606 R/S	 144" 1. WAB05S00655	 117-1/8" 1. WAB05S01378 C/S 2. WAB05S01379 R/S	 110-7/8" 1. WAB05S01380
 117-3/4" 1. WAB05S03063 C/S 2. WAB05S03064 R/S	 111-3/8" 1. WAB05S03065	 113-1/2" 1. WAB05S06469	 123-1/4" 1. WAB05000307 R/S 2. WAB05000308 C/S
 125" 1. WAB05000943 S/S C/S 2. WAB05000944 S/S R/S	Track Protector  24" 1. WABA1000799 C/S 2. WABA1000800 R/S	 121-3/4 1. WAB05S02586 S/S C/S 2. WAB05S02587 S/S R/S	

2.4.1.2: REAR CORNER POST SET (INNER/OUTER)

			
1. MTR 26CP	Inner	1. MTR 26CP	Outer
Material Thickness: 14 gauge (1.98mm) Material: Corten, Primed	Normal Length: 2355mm H/Cube Length: 2660mm	Material Thickness: 14 gauge (1.98mm) Material: Corten, Primed	Normal Length: 2420mm H/Cube Length: 2720mm

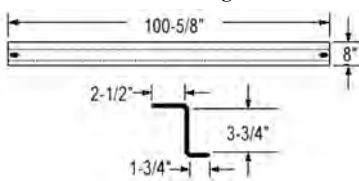
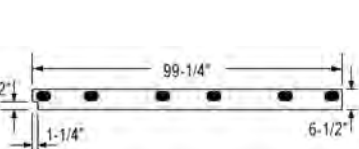
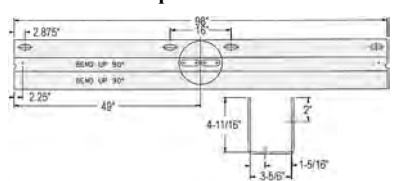
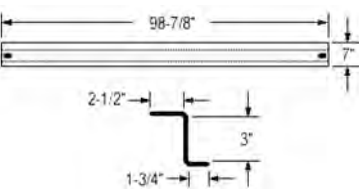
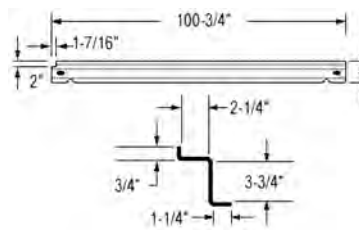
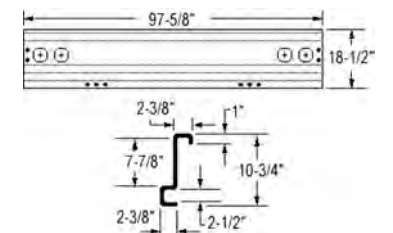
2.4.2: REAR HEADERS

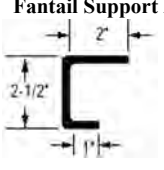
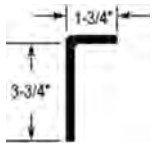
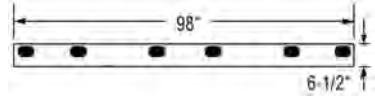
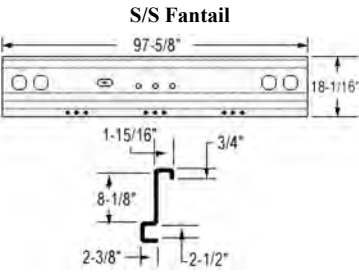
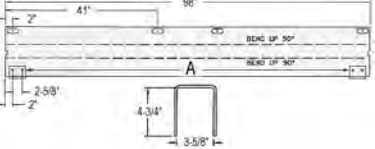
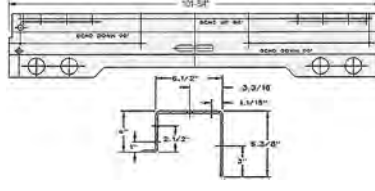
2.4.2.1: WABASH REAR HEADERS & ACCESSORIES

							
1. WAB05S00610	93"	1. WAB05S00020 2. WAB05S00024	98" 92"	1. WAB05S00052	98"	1. WAB05S00516	93"

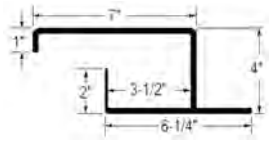
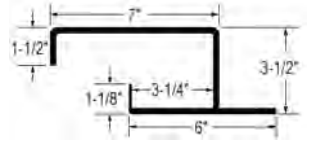
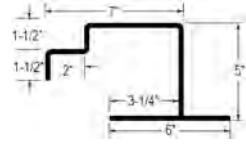
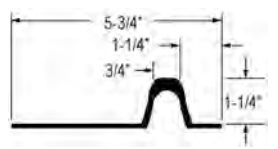
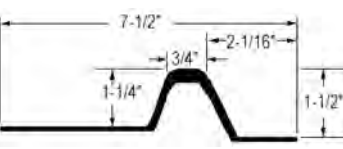
2.4.3: REAR CROSSMEMBERS, SILLS, & ACCESSORIES

2.4.3.1: WABASH REAR CROSSMEMBERS, SILLS, & ACCESSORIES

Floor Attaching "Z" 		Base Plate 		Steel Fantail Top Channel for OH Door 	
1. WAB05S00005	100-5/8"	1. WAB05S00029	99-1/4"	1. WAB05S00030	98"
Rear Floor Attachment 		Rear Sill Floor Support 		S/S Fantail Swing Door Reefer 	
1. WAB05S00033	98-7/8"	1. WAB05S03041	100-3/4"	1. WAB05S03054	97-5/8"

 Fantail Support Angle 1. WAB05S03179 21"	 Fantail Support Angle 1. WAB05S03180 39-1/2"	 Fantail Base Plate 1. WAB05S03783 98"
 S/S Fantail 1. WAB05S02592 97-5/8"	 Steel Rear Fantail Top Channel 1. WAB05S03784 98" w/holes A 2. WAB05S00582 98" W/o holes A	 FRP Fantail 1. WAB05S00608 101-3/4"

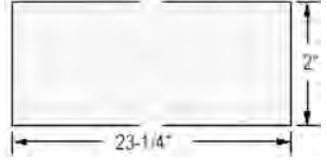
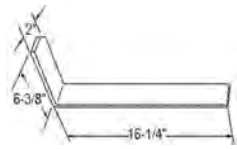
2.4.3.2: FRUEHAUF REAR CROSSMEMBERS, SILLS, & ACCESSORIES

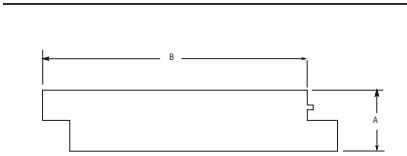
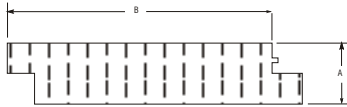
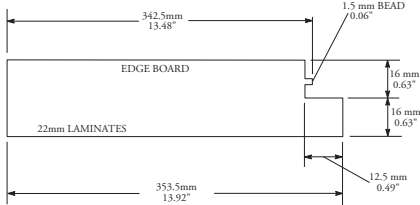
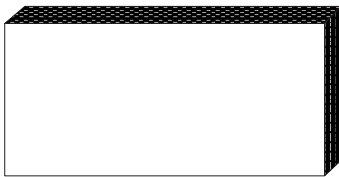
 1. FRUWCC6504-1 96"	 1. FRUWCE7806-5 102"	 1. FRUWCF9224-1 102"
 Inner Aluminum Sill 1. FRUSTK20270-93 93"	 Rear Sill 1. FRUSTK20915-97 96-3/4"	 Alum. Rear Crossmember Assembly 1. FRUTWC7391-2 95-3/8" x 12-1/2"

2.4.4: CORNER REINFORCEMENT ANGLES

 1. BUYB2485AA 12" x 12"	 1. FRUWCF9221-1 6" x 8" x 1/2"
--	---

2.4.5: MISCELLANEOUS REAR FRAME ACCESSORIES

Vertical Light Protection  1. MTR05S00511	Horizontal Light Protector  1. MTR05S00510	Vertical S/S Light Protector  1. MTR05S01567
S/S Light Protector  1. MTR05S02590 C/S 2. MTR05S02591 R/S	Rear Bolster with Twist Lock  1. STO17-03696-000-00 6-1/2" x 102"	Door Header  1. STO24-04106-000-00 102"
Grab Handle  1. POL817C		

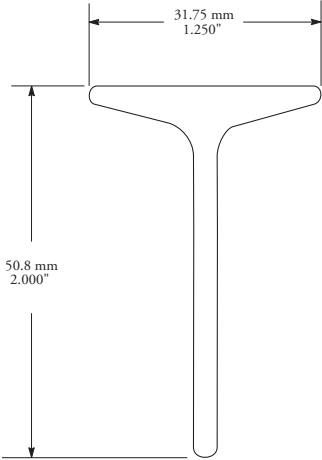
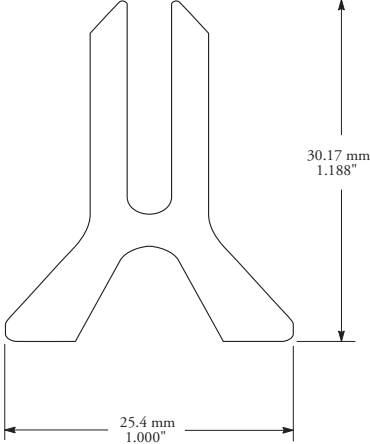
2.5 Flooring							
2.5.1: FLOORING							
							
A	1 1/8" 28.58mm	1 1/8" 28.58mm	1 1/8" 28.58mm	A	1 1/8" 28.58mm	1 1/4" 31.75mm	1 3/8" 34.93mm
B	5 3/8" 136.53mm	5 3/4" 146.05mm	7" 177.80mm	B	12" 304.90mm	12" 304.80mm	12" 304.80mm
1. Apitong Board				1. Laminated Hardwood			
							
Length= 19'4" (5892.8 mm) and 1.25" (31.75 mm) thick Available in 13 7/8" (352.43 mm) and 20" (508) mm width				Available in: 4' x 10'4' x 8' and 5' x 8'1 1/8" thick 1219x3028mm 1219x2438mm and 1524x2438mm 28.58mm thick			
1. Laminated Pine				1. 21-Ply Birch Plywood / 19-Ply Apitong Plywood			
All flooring is Australian/New Zealand treated							

2.5.2: TREATED FLOORING

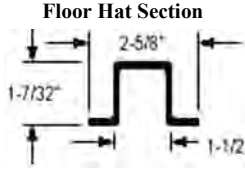
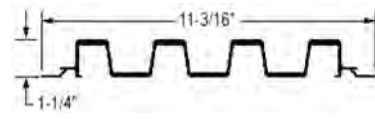
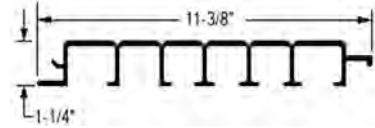
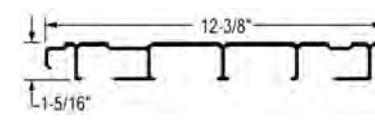
19 Ply-treated Flooring (WDS4)

PART NUMBER	THICKNESS	WIDTH	LENGTH
18PLY4X8AP	1-1/8"	48"	96"

2.5.3: T-FLOOR REPAIR KIT

			
1. 31RFTFKITT (Top)	Material: 6061-T6 Aluminum	1. 31RFTFLKITB (Bottom)	Material: 6061-T6 Aluminum

2.5.4: FRUEHAUF ALUMINUM FLOORING & ACCESSORIES

					
1. FRUSTK13961-47	47'	1. FRUSTK20686-47	47'1"	1. FRUSTK20687-47	47'1"
					
1. FRUSTK20688-47	47'1"	1. FRUSTK20948-43	43'4"	1. FRUSTK21414-47	47'1"

2.5.5: LAMINATED WOOD FLOORING

2.5.5.1: SHIPLAP LAMINATED OAK (WDS3)



WDS3

PART NUMBER	THICKNESS	FACE WIDTH	LENGTH	NOTES
WDS3-3	1.12"	12"	28'	
WDS3-5	1.12"	12"	47'	
WDS3-8	1.25"	12"	28'	
WDS3-10	1.25"	12"	47'	
WDS3-13	1.38"	12"	28'	
WDS3-15	1.38"	12"	47'	Undercoated
WDS3-15A	1.38"	12"	47'	Undercoated
WDS3-23A	1.12"	11"	36'	Undercoated
WDS3-24	1.12"	12"	12'	
WDS3-24B	1.12"	12"	12'	Undercoated
WDS3-25	1.25"	12"	12'	
WDS3-26	1.31"	12"	12'	
WDS3-27	1.38"	12"	12'	
WDS3-27A	1.38"	12"	12'	Undercoated
WDS3-33	1.25"	12-3/4"	12'	
WDS3-34	1.31"	12-3/4"	12'	
WDS3-37	1.12"	11"	12'	Undercoated
WDS3-41	1.38"	12"	52'	
WDS3-49	1.38"	12"	47'	Undercoated

2.5.5.2: FLOOR RESTORE KITS & ACCESSORIES

KEY POLYMER

Clear Floor Restore: lightweight, flexible epoxy system that fills gouges, small cracks, delaminations and water proofs the entire floor.		Key Guard Floor Restore: specifically formulated to prolong the life of new wooden trailer floors which will be exposed to battery acid and other corrosive elements.
1. KEYEC1055ABSF 2. KEYEC53AB	48' Kit 53' Kit	1. KEY87-117AB
Crack Filler Fill in deep gouges & cracks before applying floor restore kit.	Slip Stop Additive Added to floor kits to help make floors non-skid.	FRP Filler Repair gouges and cracks in your FRP panels.
1. KEYFP100AB	1. KEYSS200	1. KEYQP300

2.5.6: SHIPLAP APITONG WOOD FLOORING

2.5.6.1: SHIPLAP APITONG (WDS1)



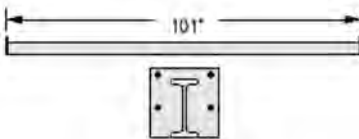
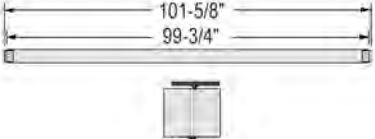
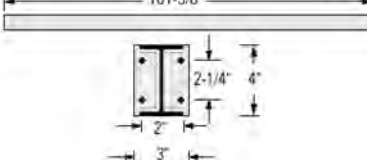
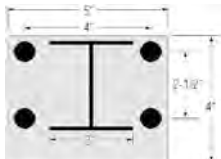
WDS1

PART NUMBER	THICKNESS	FACE WIDTH	LENGTH
WDS1-1	1.12"	5"	RANDOM
WDS1-2	1.12"	7"	RANDOM
WDS1-3	1.38"	5"	RANDOM
WDS1-4	1.38"	7"	RANDOM

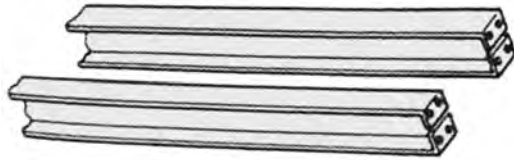
2.6 Upper Subframe Assembly

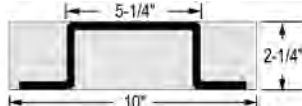
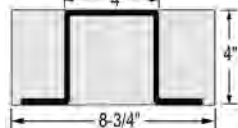
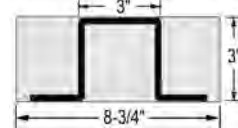
2.6.1: CROSSMEMBERS AND ACCESSORIES

2.6.1.1: WABASH CROSSMEMBERS WITH CLIPS

4" Steel Crossmember with Clip  1. WAB02000010 4"	4" Aluminum Crossmember with Clip  1. WAB02000325 101-5/8"	4" Steel Crossmember with Clip  1. WAB02000393 99-3/4"
3" Steel I-Beam with Clips  1. WAB02300187 99-3/4"		

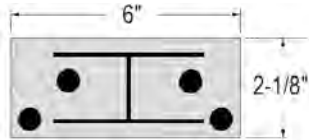
2.6.1.2: FRUEHAUF CROSSMEMBERS WITH CLIPS

Old Style 311 	New Style 411 
1. FRUFCF4008-3 3" x 98-5/8" 2. FRUFCF4008-4 3" x 101-3/8" 3. FRUFCE7662-1 4" x 92-5/8" 4. FRUFCE7662-3 4" x 95-3/8" 5. FRUFCE7662-7 4" x 101-3/8"	1. FRUFCF5116-4 3" x 101-3/8" 2. FRUFCF5117-3 4" x 95-3/8" 3. FRUFCF5117-5 4" x 98-5/8" 4. FRUFCF5117-7 4" x 101-3/8"

2-1/4" Steel Crossmember with Clips 	4" Steel Crossmember 	3" Steel Crossmember 
1. FRUFCF9471-1 101.38"	1. FRUXAS1000-3 101.38"	1. FRUXAS1000-5 101.38"

2.6.1.3: OTHER MANUFACTURER'S CROSSMEMBERS WITH CLIPS

STOUGHTON 2" Steel I-Beam with Clip



1. STO17-04114-000-01 101"

2.6.1.4: CROSSMEMBERS WITHOUT CLIPS

4" Steel HD Beam



1. FRUSTK28658-102 102"

5" Aluminum Beam



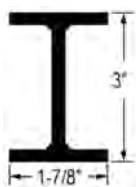
1. MTRE8950992 99.125"

5" Steel Beam



1. FRUFXA0761-SP 40"

3" Steel Beam



1. STLMBPBEAMST300 3" x 102"
2. STL27570300 3" x 101-1/2"
3. STLMBPBEAMST3UP 3" x 102"

4" Aluminum Beams



1. ALU2-2 4" x 101.12"
2. ALU2-3 4" x 102"

4.25" Aluminum Beams



1. ALU2-4 4.25" x 95"

4.88" Aluminum Beams



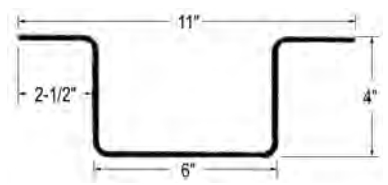
1. ALU2-5 4.88" x 95"
2. ALU2-6 4.88" x 102"

5" Steel Beam



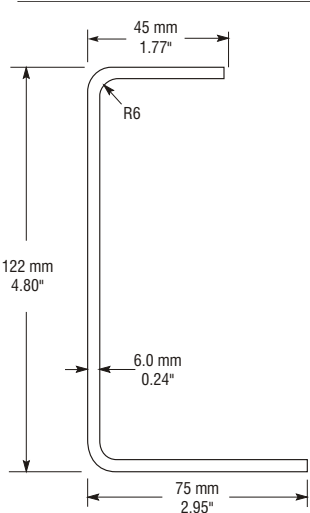
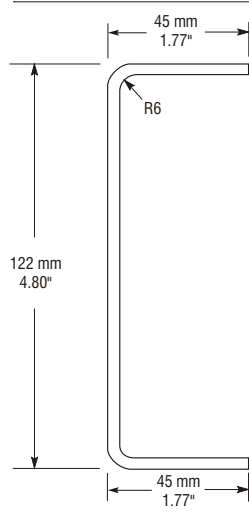
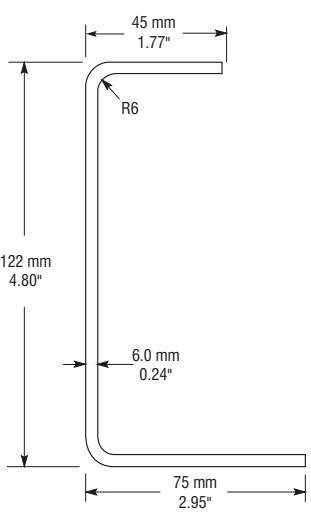
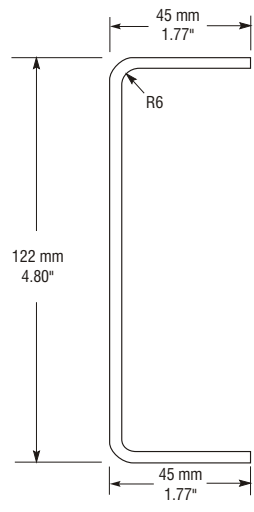
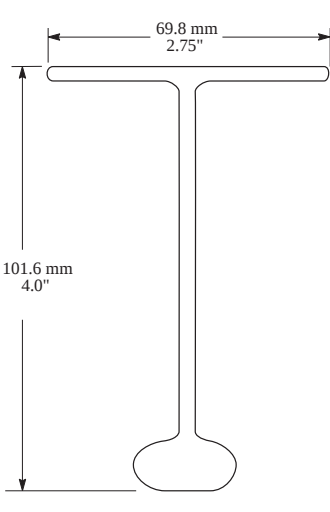
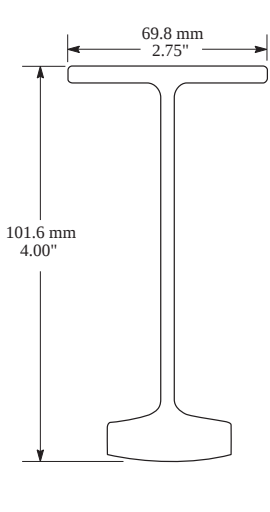
1. FRUFXA0761-SP 40"

PINES 11" Crossmember

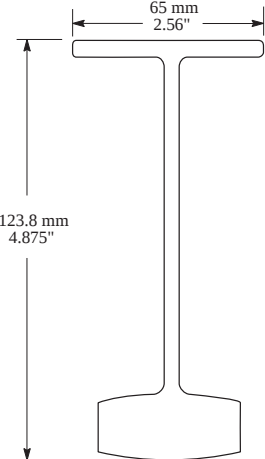
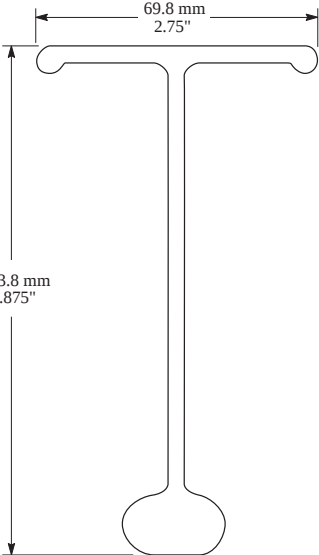
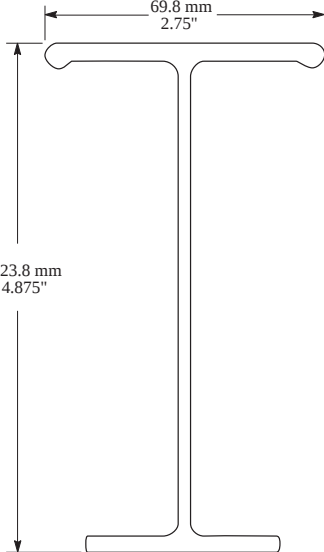
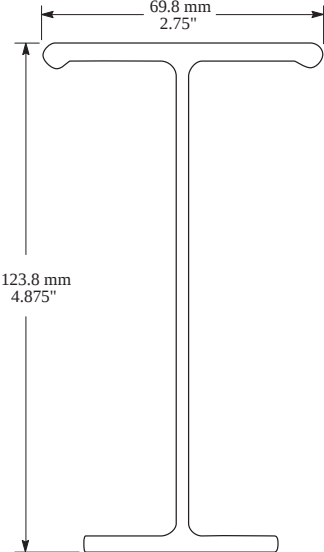


1. PNECMB9724 100.38"

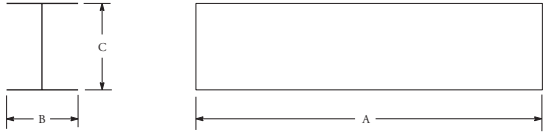
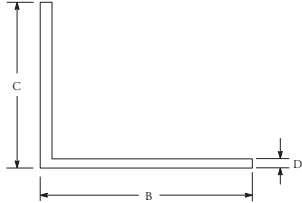
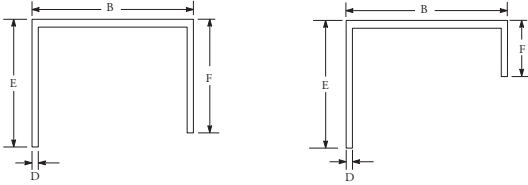
2.6.1.5: OTHER CROSSMEMBERS

		
1. 47MTR04532CMC Material: 10 Gauge Corten Steel	1. 47MTR045CMC Material: 10 Gauge Corten Steel	1. 47MTR04532CMC7G Material: 7 Gauge Corten Steel
		
1. 47MTR045CMC7G Material: 7 Gauge Corten Steel	1. 31RFHDXM400 Material: 6061-T6 Aluminum Length: 96"	1. 31RFXM400 Material: 6061-T6 Aluminum Length: 96"

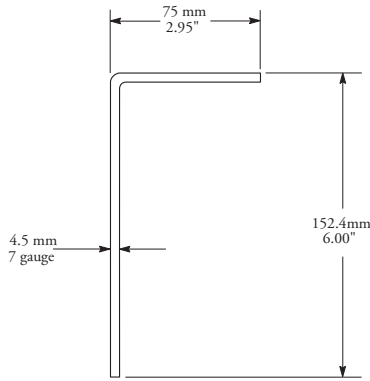
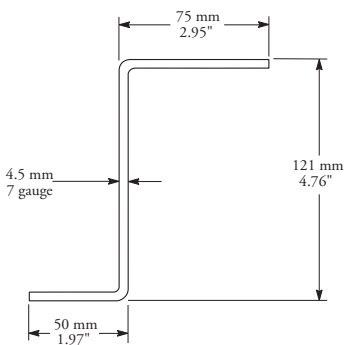
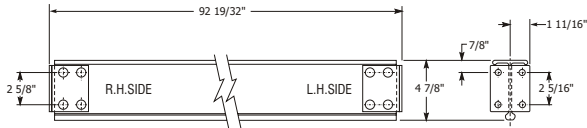
2.6.1.5: OTHER CROSSMEMBERS

		
1. 31RFXM478 Material: 6061-T6 Aluminum Length: 96"	1. 31RFHDXM478 Material: 6061-T6 Aluminum Length: 96"	1. 31RFC810496 Material: 6061-T6 Aluminum Length: 96"
		
1. 31RFC8104102 Material: 6061-T6 Aluminum Length: 102"		

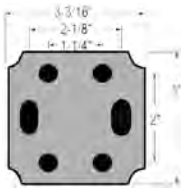
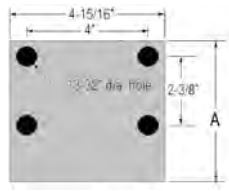
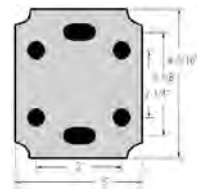
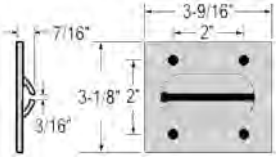
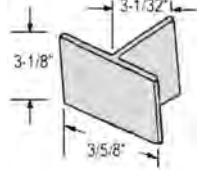
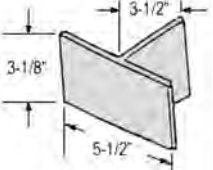
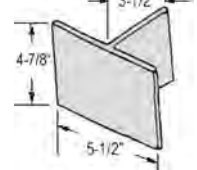
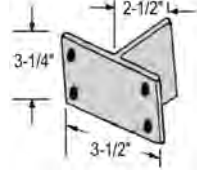
2.6.1.6: I-BEAMS, ANGLES, CROSSMEMBERS

	
1. I-Beam	1. Angles
	We stock a wide variety of all fabricated parts. Please do not hesitate to ask for any size.
1. Crossmembers	

2.6.1.7: INSERTS, Z-MEMBERS, AND CROSSMEMBER ASSEMBLIES

	
1. MTR 31CP Insert Material: Corten Steel	1. MTR 32CP Z-Member Material: Corten Steel
	
1. 31RF0806274 Crossmember Assembly	

2.6.1.8: CROSSMEMBER CLIPS

3" Steel End Clip  1. FRUFCE4006-1	Steel End Clip  1. MTR02S00002 A = 4-15/16" 2. MTR02S00003 A = 3-15/16"	4" Steel End Clip  1. FRUFCE2576-2
4" Steel End Clip  1. PEN70-04	Universal Steel End Clip  1. STL1-11 10 ga. 4" x 5" 2. STL1-12 10 ga. 4" x 4"	4" Aluminum T End Clip  1. FRUSTK21439-4
4" Aluminum T End Clip  1. ALU27570224	4-7/8" Aluminum T End Clip  1. ALU27570225	4' Aluminum T End Clip'  1. MTR02A00003

2.6.1.9: CROSSMEMBER BOLT KITS

 1. FRUZCF3435-901 2. BLT60759950	Kit Economy Kit
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2.6.1.10: CROSSMEMBER RUBBER GROMMETS

 1. FRU674731	 1. WAB21300007
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2.7 Rear Impact Guards & Components

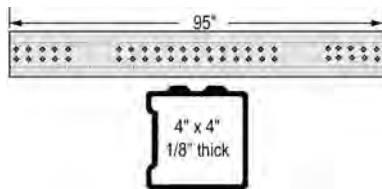
Motor carries must maintain Rear Impact Guards according to the Federal Motor Carriers Safety Administration regulation 393.86 <http://www.fmcsa.dot.gov/rulesregs/fmcsr/regs/39386.htm>

Trailers built since January 26, 1998 have rear impact guards that meet the performance requirements of 393.86(a). In order to stay in compliance with 393.86(a), we recommend that these trailers rear impact guards be repaired with original replacement parts installed in the same way as originally built.

Trailers built prior to January 26, 1998 must comply with the dimensional requirements in 393.86(b). These trailers can be repaired in the same way as originally built or they can be repaired with newer style rear impact guards that comply with 393.86(a). If a rear impact guard complies with 393.86(a), then it automatically complies with 393.86(b).

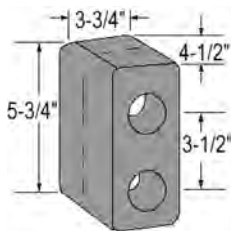
2.7.1: BINKLEY REAR IMPACT GUARDS & ACCESSORIES

Steel Pooched Bumper Tube

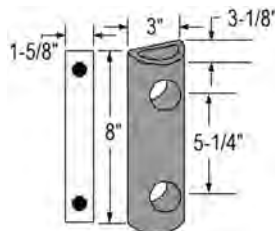


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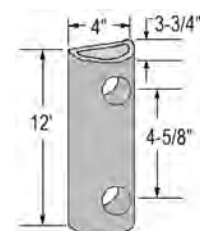
2.7.2: RUBBER BUMPERS



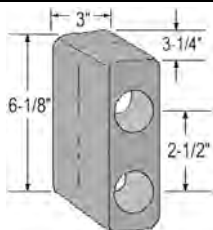
1. MTR21400098



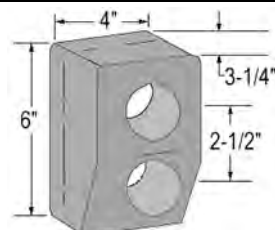
1. MTR21400106



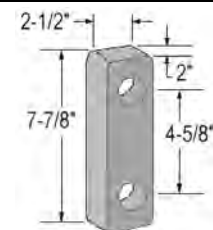
1. GLOD-4



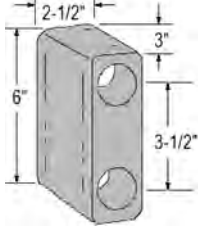
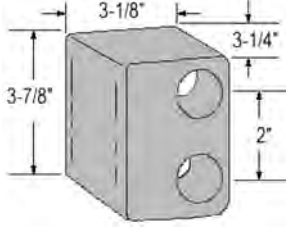
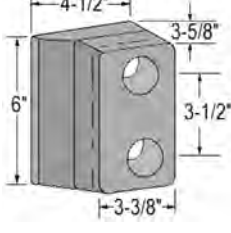
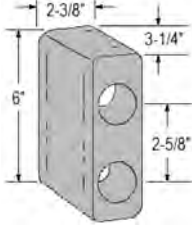
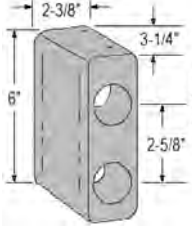
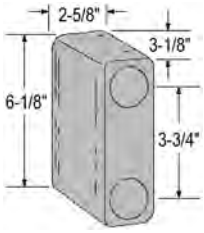
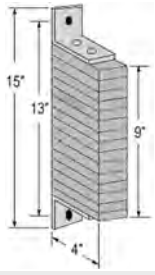
1. MTR30037



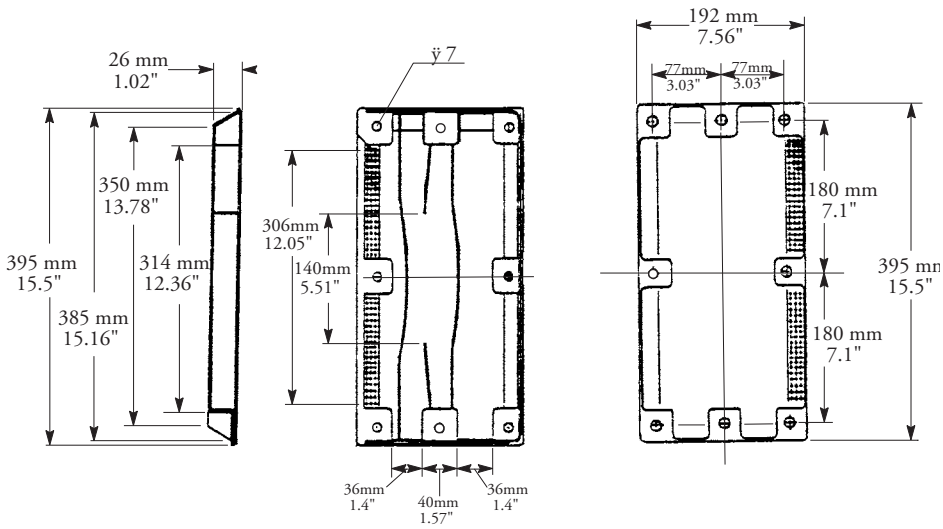
1. MTR30038
2. MSPT-43



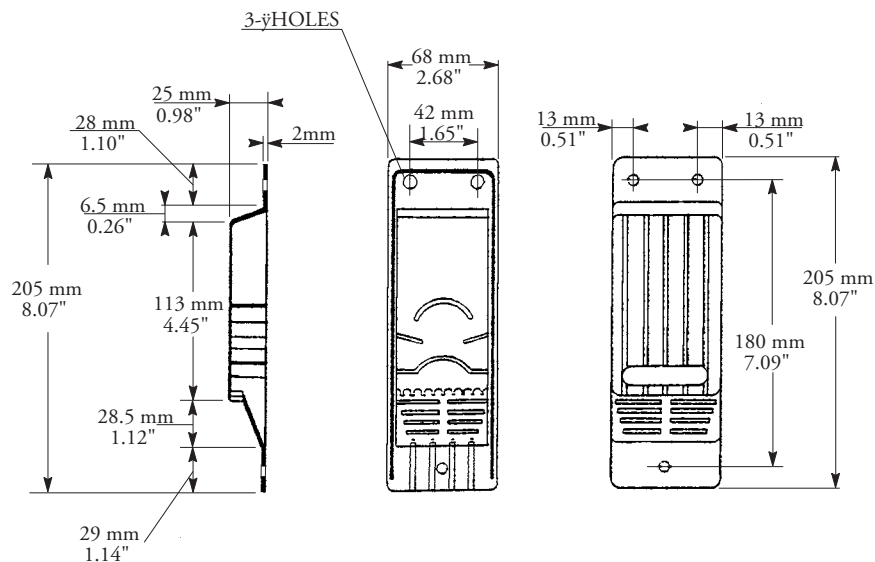
1. MTR30039
2. MSPT-42

 1. MTR30067 2. FRU282551	 1. FRUWCD3711-1	 1. FRUXCF9657-1
 1. FRUWCA0015	 1. FRUXCF9659-1 2. TRA30044	 1. TRA30044KIT The Kit consists of: 2 TRA30044 2-hole dock bumpers 4 Hex bolts 4 Washers 4 Hex nuts with nylon inserts
 1. TRA30045	 1. FRUXUB7259	 1. STO04-86278-000-00 Stoughton

2.7.3: CONTAINER VENTS

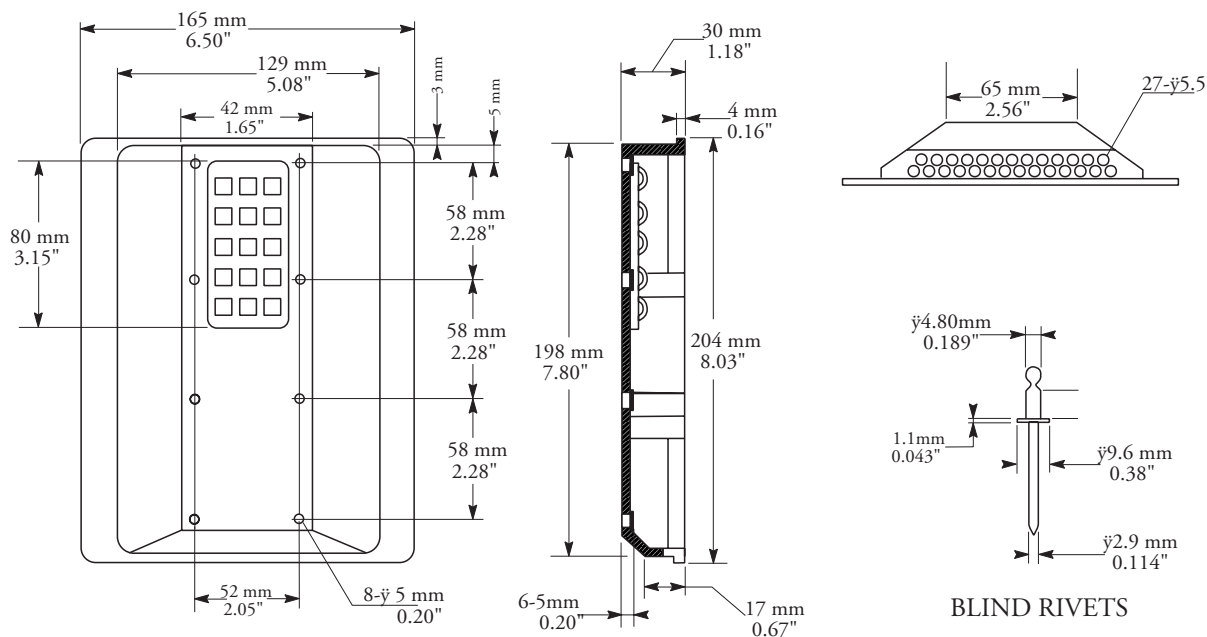
 1. CV-102 Normal Static Vent
--

2.7.3: CONTAINER VENTS



1. CV-103 Normal Static Vent

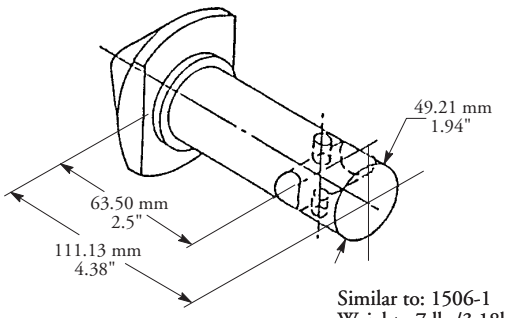
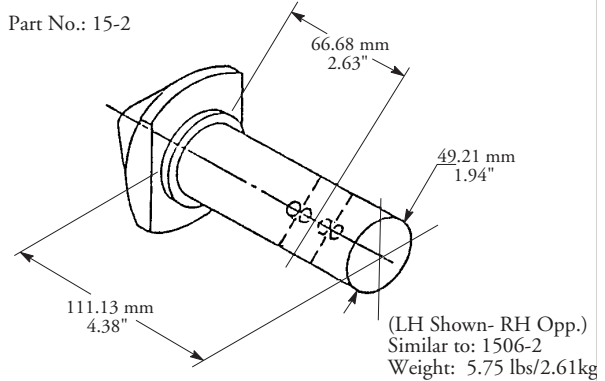
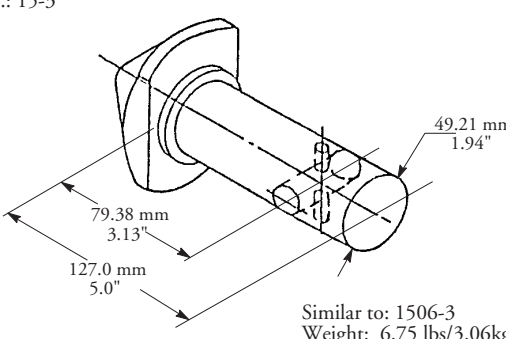
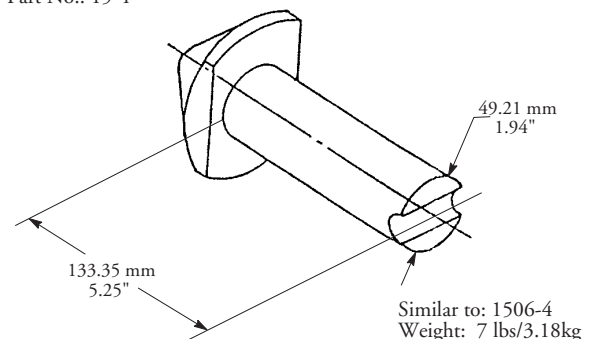
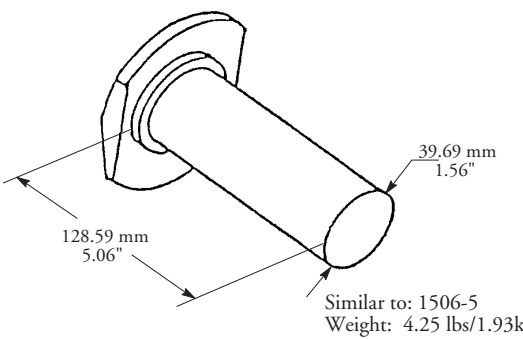
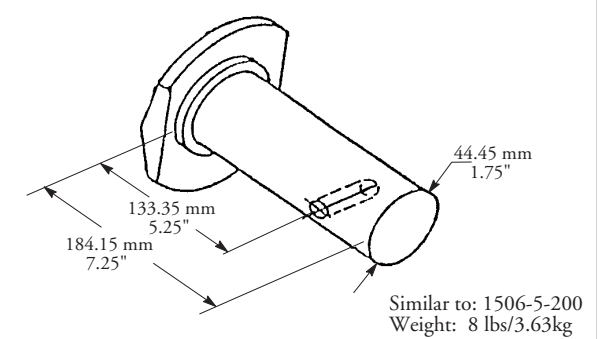
Item	At 2 Pieces		At 4 Pieces	
	CAPA (m3/hr)	Full Cir Hr (20 ft)	CAPA (m3/hr)	Full Cir Hr (20 ft)
CV-102	13.65	1.83	27.42	0.91
CV-103	7.58	3.30	14.42	1.73



1. M-Type Vent

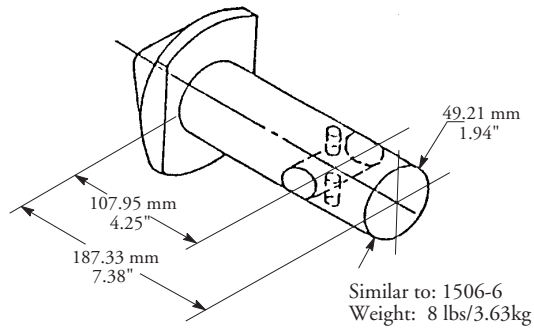
2.8 Twist Locks & Accessories

2.8.1: CHASSIS TWISTLOCK PINS

Part No.: 15-1  Similar to: 1506-1 Weight: 7 lbs/3.18kg	Part No.: 15-2  (LH Shown- RH Opp.) Similar to: 1506-2 Weight: 5.75 lbs/2.61kg
1. 15-1	1. 15-2
Part No.: 15-3  Similar to: 1506-3 Weight: 6.75 lbs/3.06kg	Part No.: 15-4  Similar to: 1506-4 Weight: 7 lbs/3.18kg
1. 15-3	1. 15-4
Part No.: 15-5-A  Similar to: 1506-5 Weight: 4.25 lbs/1.93kg	Part No.: 15-5-B  Similar to: 1506-5-200 Weight: 8 lbs/3.63kg
1. 15-5-A	1. 15-5-B

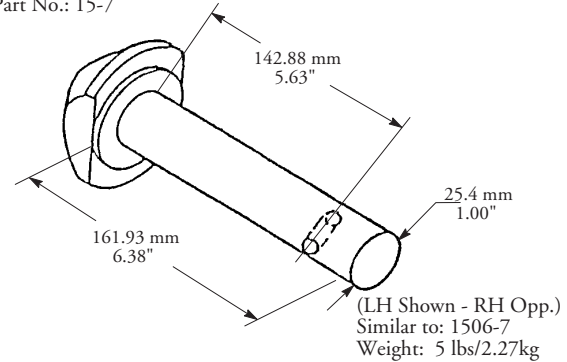
2.8.1: CHASSIS TWISTLOCK PINS

Part No.: 15-6



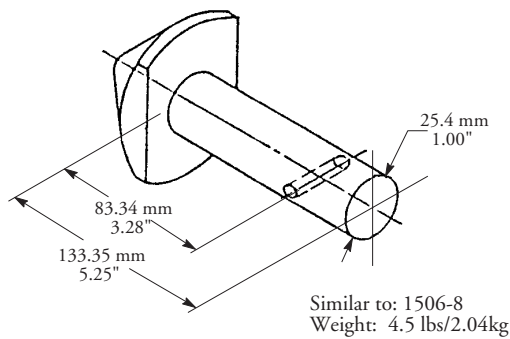
1. 15-6

Part No.: 15-7



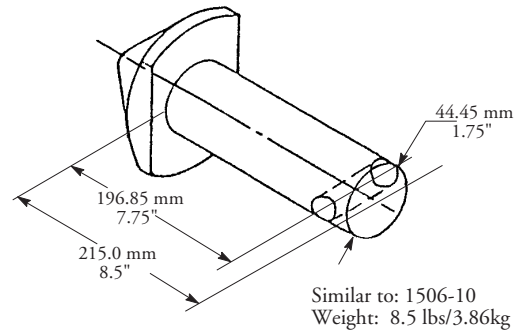
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Part No.: 15-8



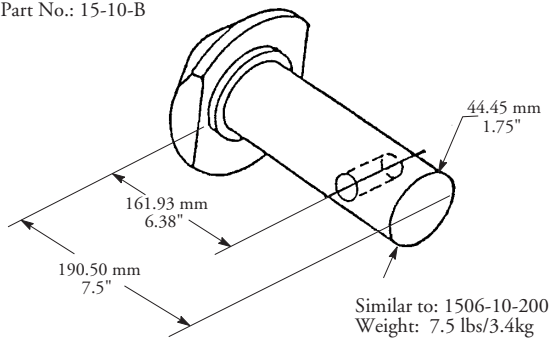
1. 15-8

Part No.: 15-10-A



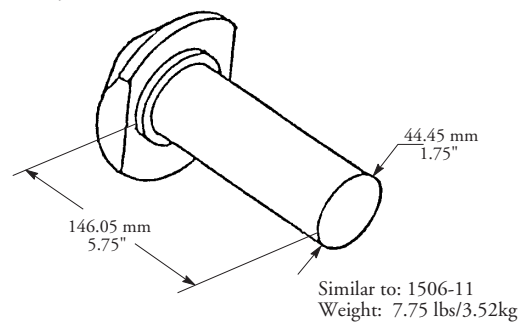
1. 15-10-A

Part No.: 15-10-B



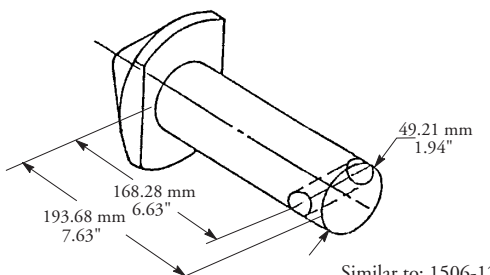
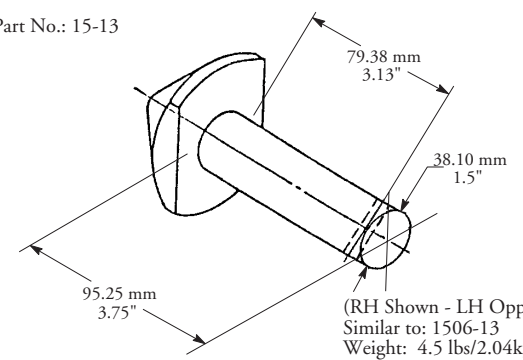
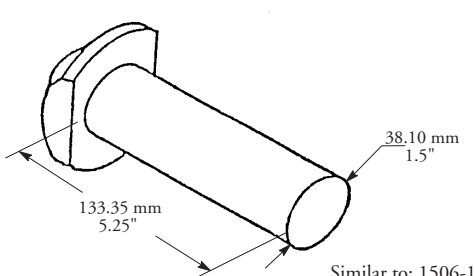
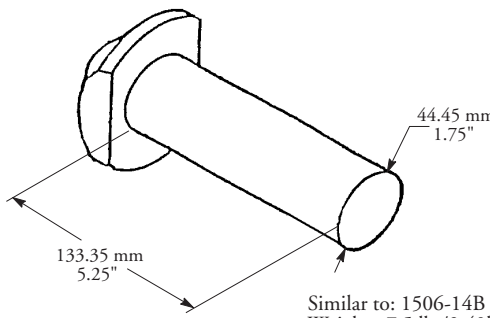
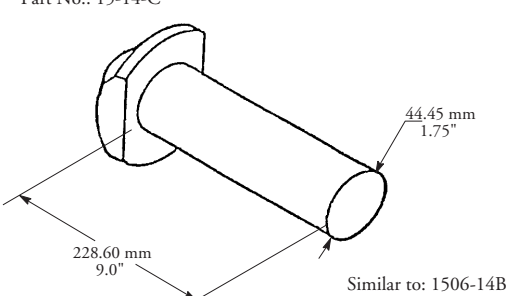
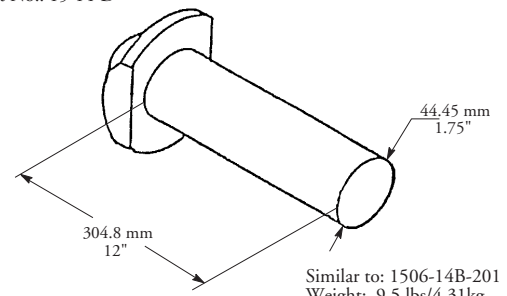
1. 15-10-B

Part No.: 15-11

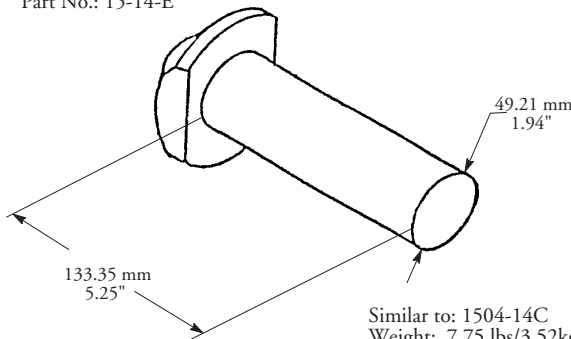
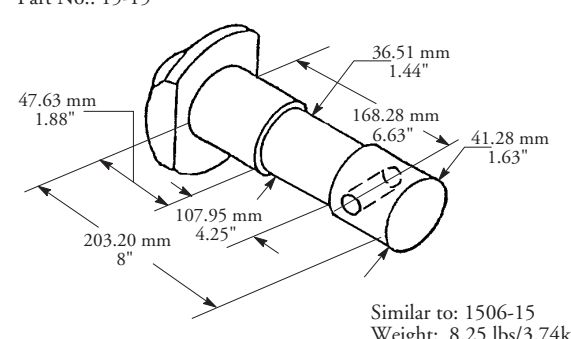
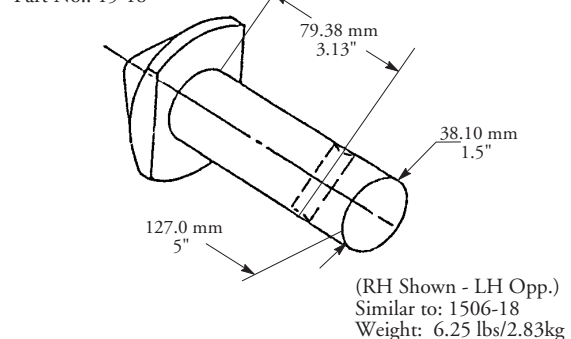
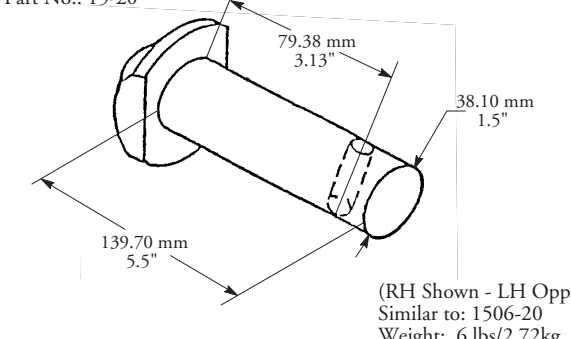


1. 15-11

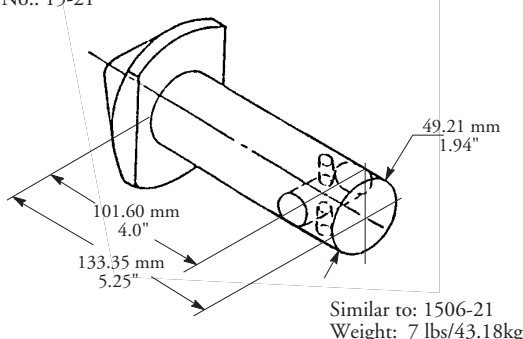
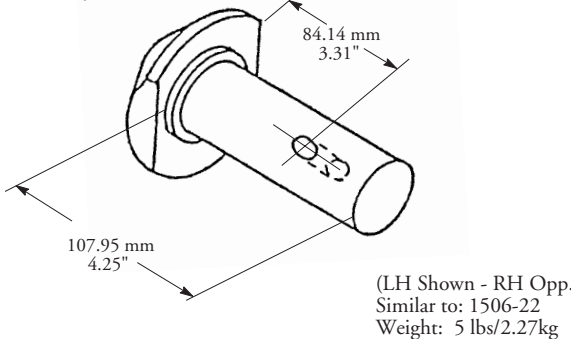
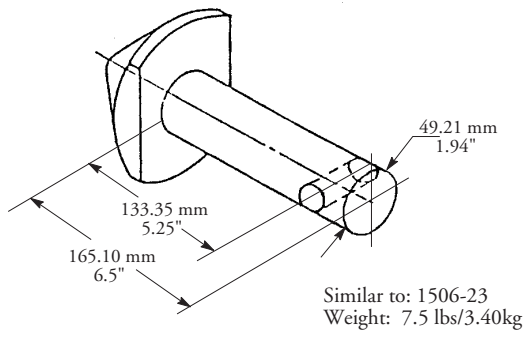
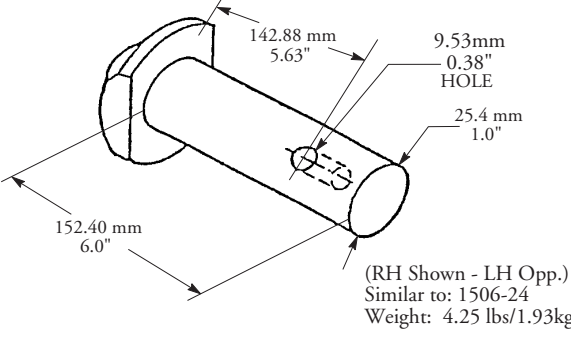
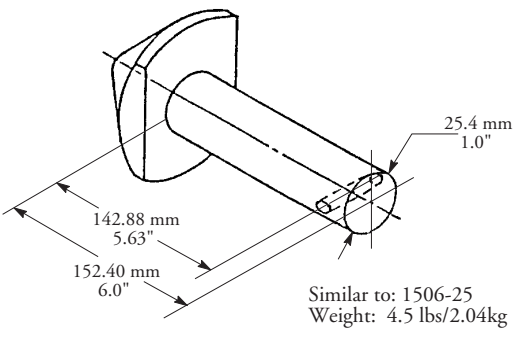
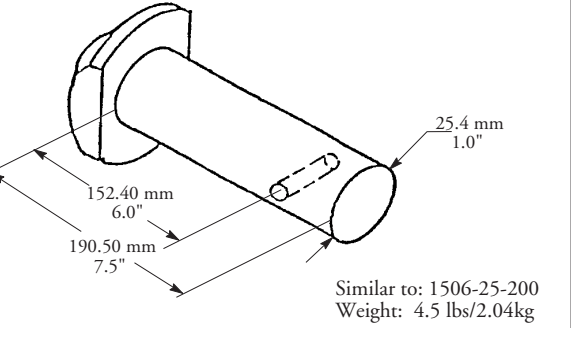
2.8.1: CHASSIS TWISTLOCK PINS

Part No.: 15-12  Similar to: 1506-12 Weight: 7.25 lbs/3.29kg	Part No.: 15-13  (RH Shown - LH Opp.) Similar to: 1506-13 Weight: 4.5 lbs/2.04kg
1. 15-12	1. 15-13
Part No.: 15-14-A  Similar to: 1506-14A Weight: 5 lbs/2.27kg	Part No.: 15-14-B  Similar to: 1506-14B Weight: 7.5 lbs/3.40kg
1. 15-14-A	1. 15-14-B
Part No.: 15-14-C  Similar to: 1506-14B-200 Weight: 8.25 lbs/3.74kg	Part No.: 15-14-D  Similar to: 1506-14B-201 Weight: 9.5 lbs/4.31kg
1. 15-14-C	1. 15-14-D

2.8.1: CHASSIS TWISTLOCK PINS

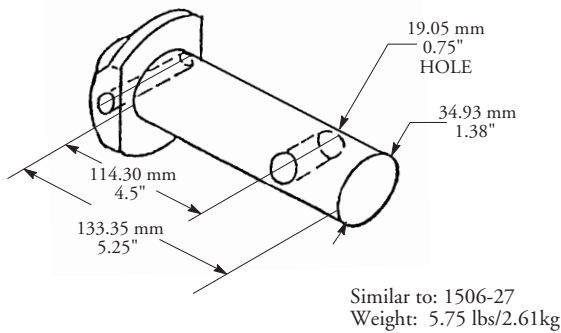
Part No.: 15-14-E  Similar to: 1504-14C Weight: 7.75 lbs/3.52kg	Part No.: 15-15  Similar to: 1506-15 Weight: 8.25 lbs/3.74kg
1. 15-14-E	1. 15-15
Part No.: 15-16  (RH Shown - LH Opp.) Similar to: 1506-16 Weight: 6 lbs/2.72kg	Part No.: 15-17  (RH Shown - LH Opp.) Similar to: 1506-17 Weight: 4.75 lbs/2.04kg
1. 15-16	1. 15-17
Part No.: 15-18 (RH Shown - LH Opp.) Similar to: 1506-18 Weight: 6.25 lbs/2.83kg	Part No.: 15-20 (RH Shown - LH Opp.) Similar to: 1506-20 Weight: 6 lbs/2.72kg
1. 15-18	1. 15-20

2.8.1: CHASSIS TWISTLOCK PINS

Part No.: 15-21  Similar to: 1506-21 Weight: 7 lbs/43.18kg	Part No.: 15-22  (LH Shown - RH Opp.) Similar to: 1506-22 Weight: 5 lbs/2.27kg
1. 15-21	1. 15-22
Part No.: 15-23  Similar to: 1506-23 Weight: 7.5 lbs/3.40kg	Part No.: 15-24  (RH Shown - LH Opp.) Similar to: 1506-24 Weight: 4.25 lbs/1.93kg
1. 15-23	1. 15-24
Part No.: 15-25-A  Similar to: 1506-25 Weight: 4.5 lbs/2.04kg	Part No.: 15-25-B  Similar to: 1506-25-200 Weight: 4.5 lbs/2.04kg
1. 15-25-A	1. 15-25-B

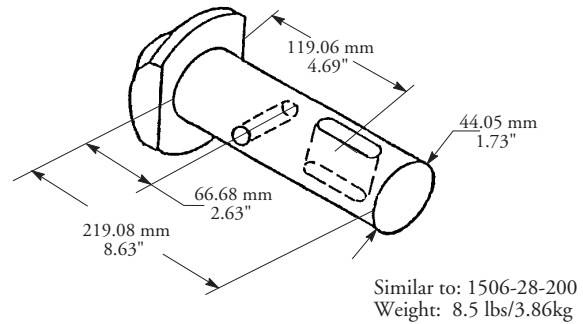
2.8.1: CHASSIS TWISTLOCK PINS

Part No.: 15-27



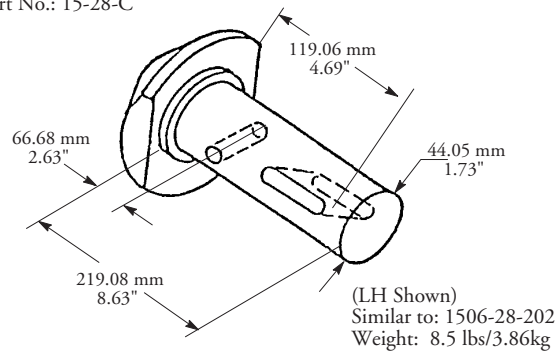
1. 15-27

Part No.: 15-28-B



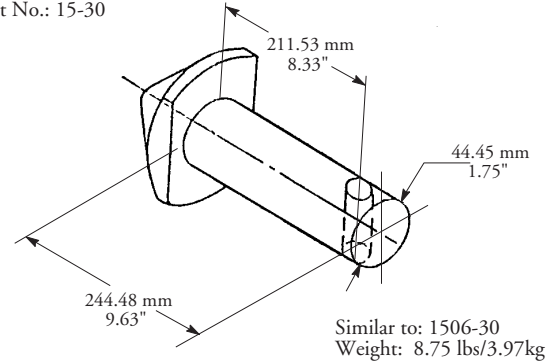
1. 15-28-B

Part No.: 15-28-C



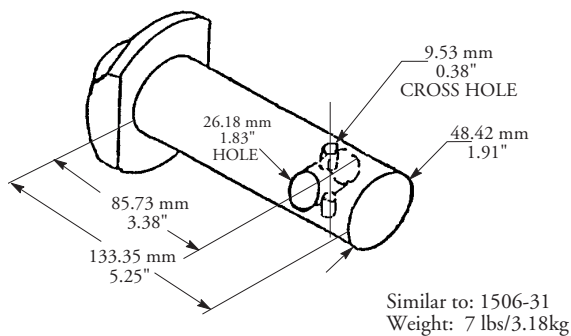
1. 15-28-C

Part No.: 15-30



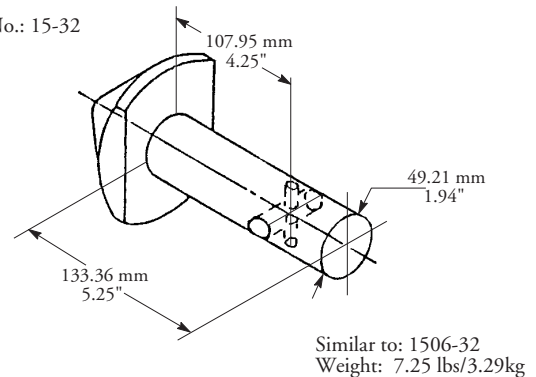
1. 15-30

Part No.: 15-31



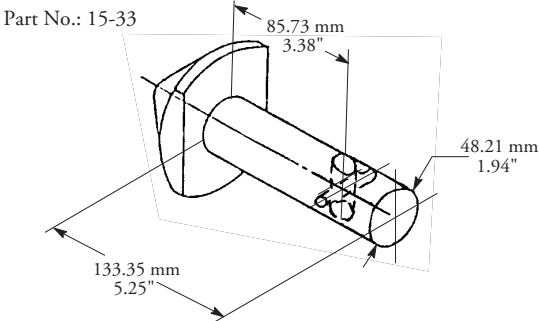
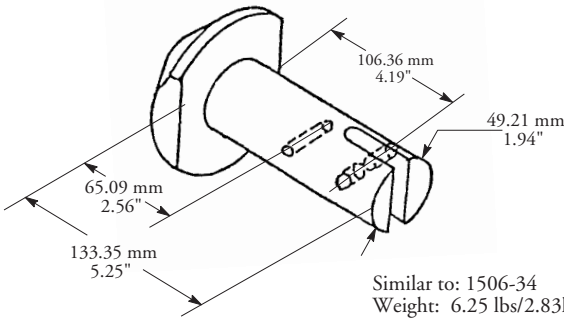
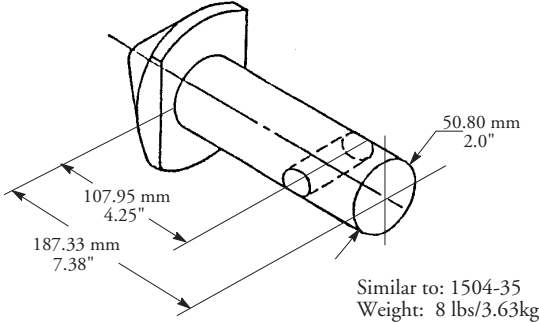
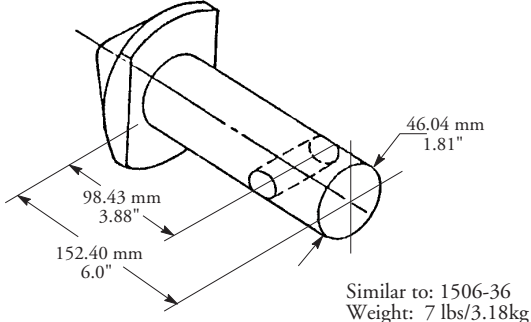
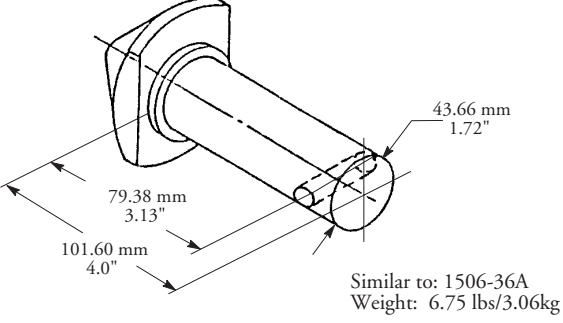
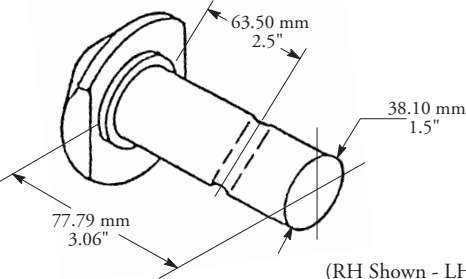
1. 15-31

Part No.: 15-32

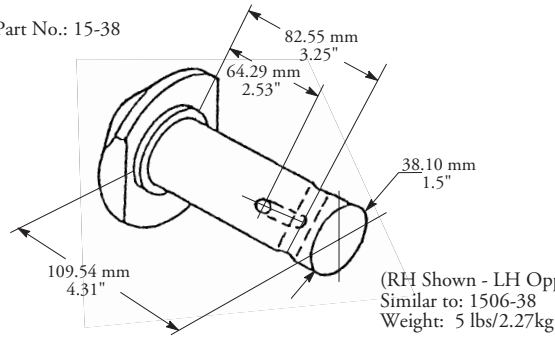
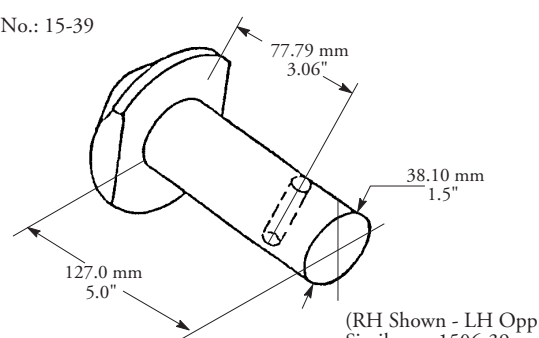
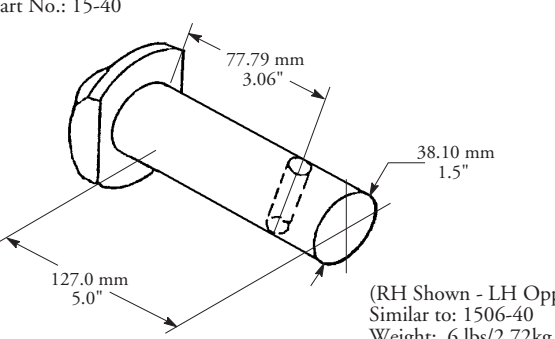
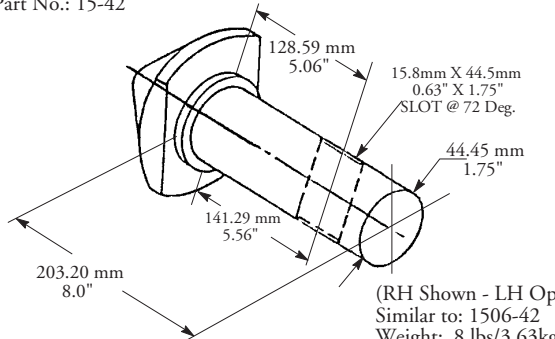
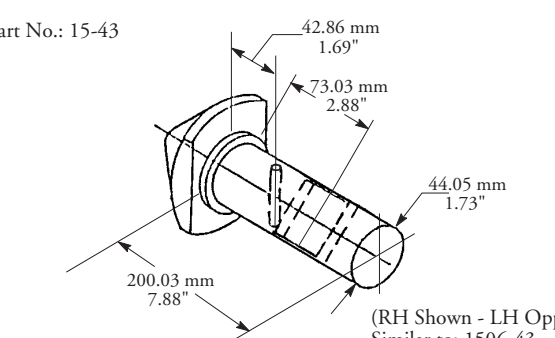
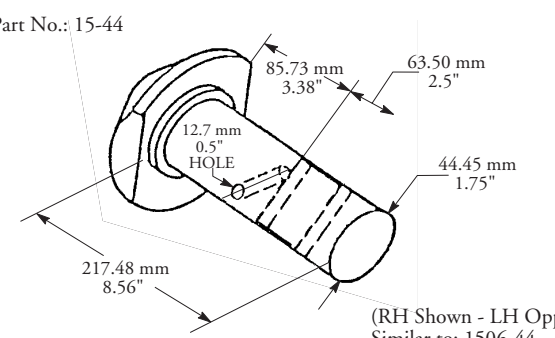


1. 15-32

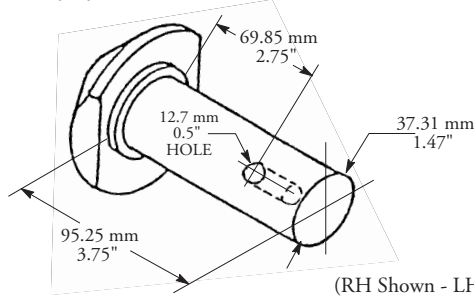
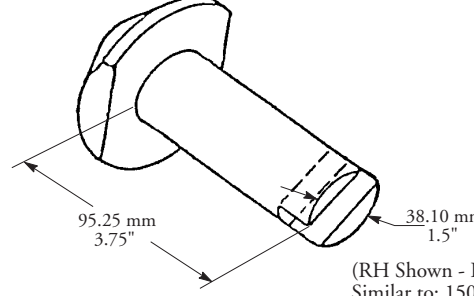
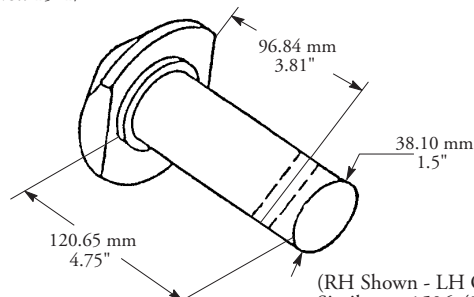
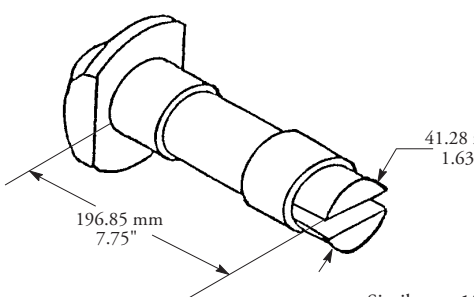
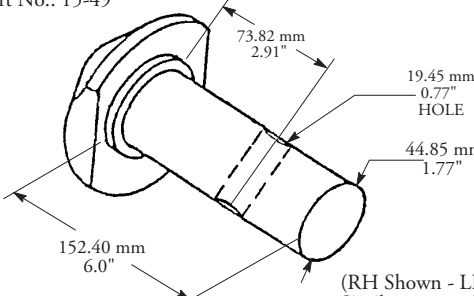
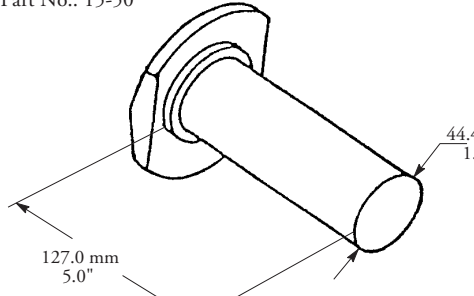
2.8.1: CHASSIS TWISTLOCK PINS

Part No.: 15-33  Similar to: 1506-33 Weight: 6.75 lbs/3.06kg	Part No.: 15-34  Similar to: 1506-34 Weight: 6.25 lbs/2.83kg
1. 15-33	1. 15-34
Part No.: 15-35  Similar to: 1504-35 Weight: 8 lbs/3.63kg	Part No.: 15-36-A  Similar to: 1506-36 Weight: 7 lbs/3.18kg
1. 15-35	1. 15-36-A
Part No.: 15-36-B  Similar to: 1506-36A Weight: 6.75 lbs/3.06kg	Part No.: 15-37  (RH Shown - LH Opp.) Similar to: 1506-37 Weight: 5.75 lbs/2.61kg
1. 15-36-B	1. 15-37

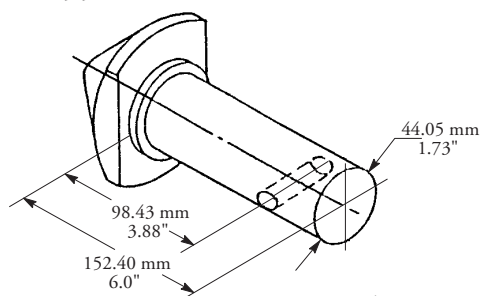
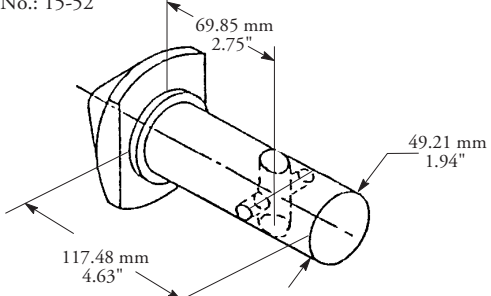
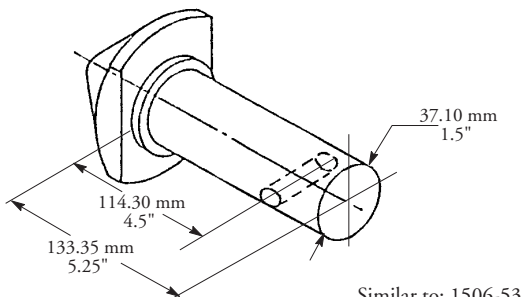
2.8.1: CHASSIS TWISTLOCK PINS

Part No.: 15-38  (RH Shown - LH Opp.) Similar to: 1506-38 Weight: 5 lbs/2.27kg	Part No.: 15-39  (RH Shown - LH Opp.) Similar to: 1506-39 Weight: 5.5 lbs/2.49kg
1. 15-38	1. 15-39
Part No.: 15-40  (RH Shown - LH Opp.) Similar to: 1506-40 Weight: 6 lbs/2.72kg	Part No.: 15-42  (RH Shown - LH Opp.) Similar to: 1506-42 Weight: 8 lbs/3.63kg
1. 15-40	1. 15-42
Part No.: 15-43  (RH Shown - LH Opp.) Similar to: 1506-43 Weight: 8 lbs/3.63kg	Part No.: 15-44  (RH Shown - LH Opp.) Similar to: 1506-44 Weight: 8.5 lbs/3.86kg
1. 15-43	1. 15-44

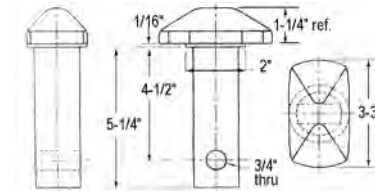
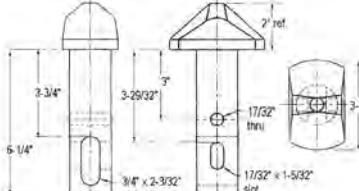
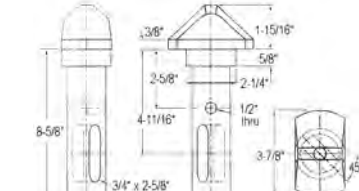
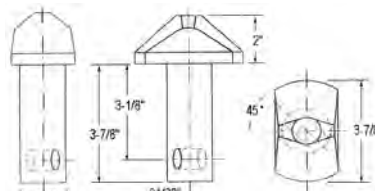
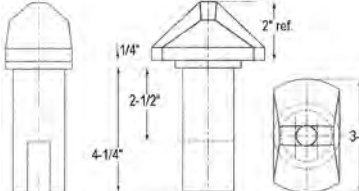
2.8.1: CHASSIS TWISTLOCK PINS

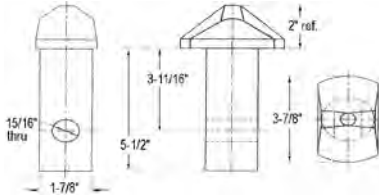
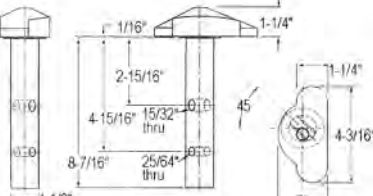
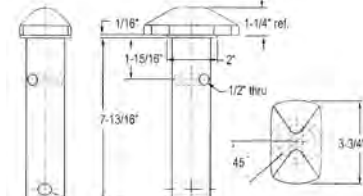
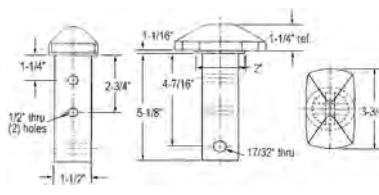
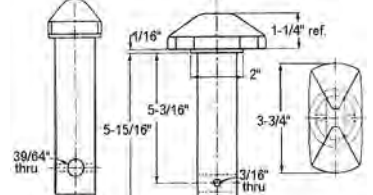
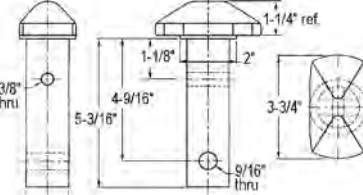
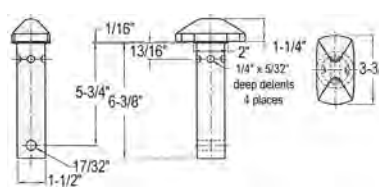
Part No.: 15-45  (RH Shown - LH Opp.) Similar to: 1506-45 Weight: 5.25 lbs/2.38kg	Part No.: 15-46  (RH Shown - LH Opp.) Similar to: 1506-46 Weight: 5.5 lbs/2.49kg
1. 15-45	1. 15-46
Part No.: 15-47  (RH Shown - LH Opp.) Similar to: 1506-47 Weight: 4.75 lbs/2.15kg	Part No.: 15-48  Similar to: 1506-48 Weight: 8.5 lbs/3.86kg
1. 15-47	1. 15-48
Part No.: 15-49  (RH Shown - LH Opp.) Similar to: 1506-49 Weight: 6.25 lbs/2.83kg	Part No.: 15-50  Similar to: 1506-50 Weight: 7.5 lbs/3.40kg
1. 15-49	1. 15-50

2.8.1: CHASSIS TWISTLOCK PINS

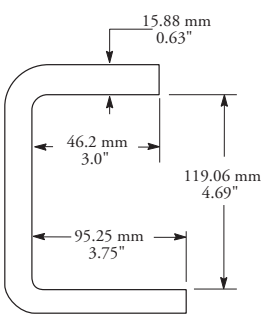
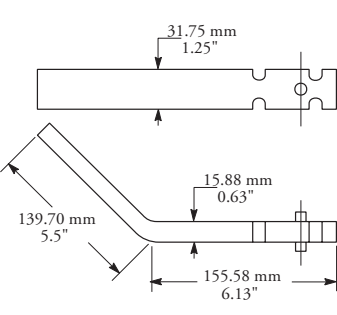
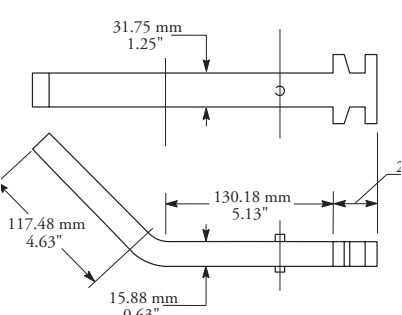
Part No.: 15-51  Similar to: 1506-51 Weight: 6.25 lbs/2.83kg	Part No.: 15-52  Similar to: 1506-52 Weight: 6.75 lbs/3.06kg
1. 15-51	1. 15-52
Part No.: 15-53  Similar to: 1506-53 Weight: 6.25 lbs/2.83kg	
1. 15-53	

2.8.2: TWIST LOCK PINS

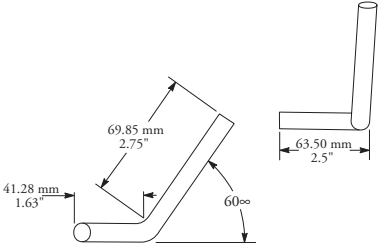
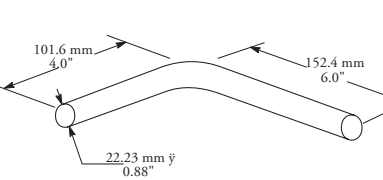
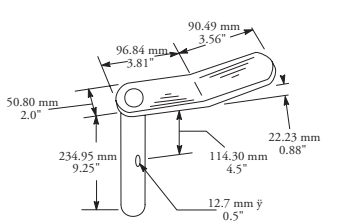
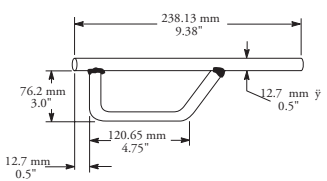
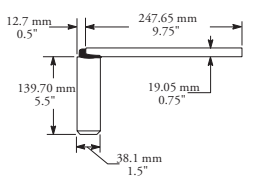
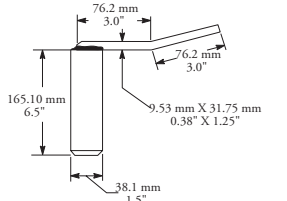
		
1. PEN15-09	1. PEN15-19	1. PEN15-26
 1. PEN15-28A-L 2. PEN15-28A-R shown	 1. PEN15-29-LH 2. PEN15-29-RH shown	 1. PEN15-41

 1. PEN15-54	 1. PEN15-57-LH 2. PEN15-57-RH shown	 1. PEN15-68 2. PEN15-68-W Weldable
 1. PEN15-69 2. PEN15-69-W Weldable	 1. PEN15.117	 1. PEN15.118
 1. PEN15.128		

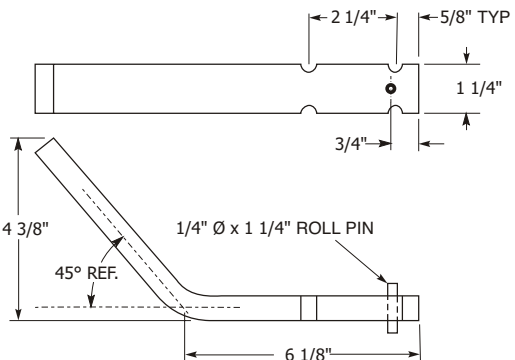
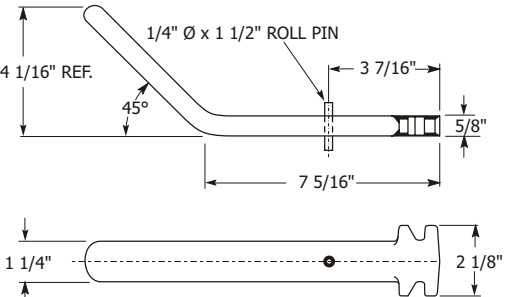
2.8.3: CHASSIS TWISTLOCK HANDLES

 1. 20-9 Similar to: 201-9 Wt: 1 lb/0.45 kg Twistlock Handle	 1. 20-12 Similar to: 201-12 Wt: 1.75 lb/0.79 kg Twistlock Handle	 1. 20-13 Similar to: 201-13 Wt: 1.75 lb/0.79 kg Twistlock Handle
---	--	--

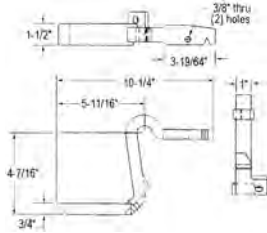
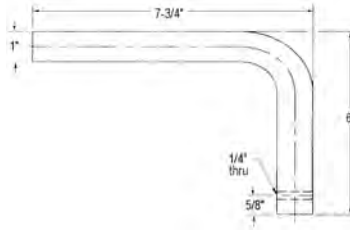
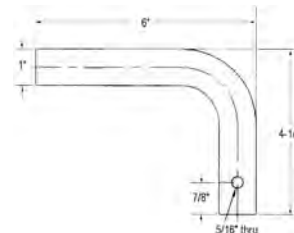
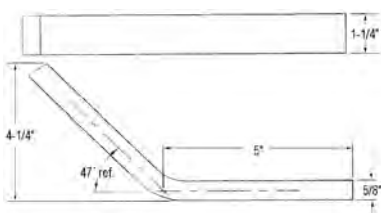
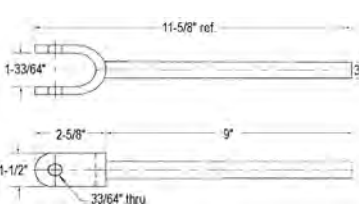
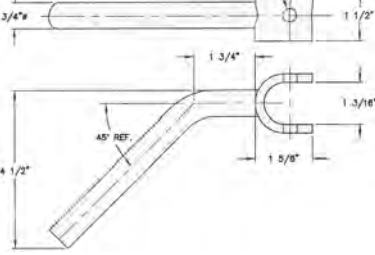
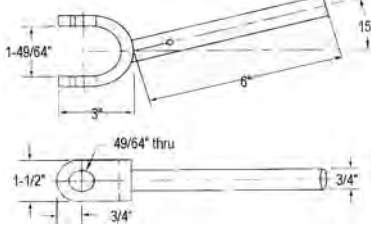
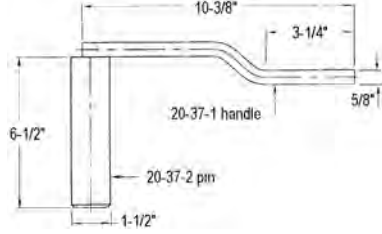
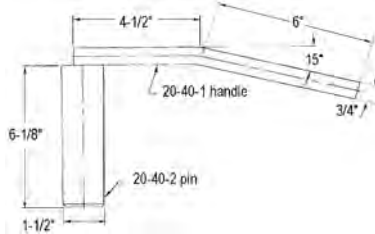
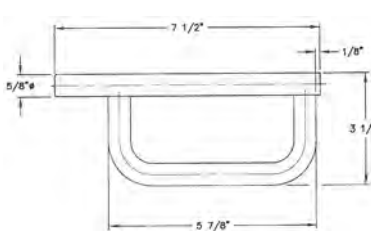
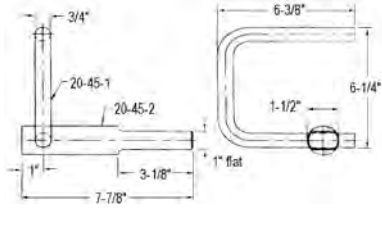
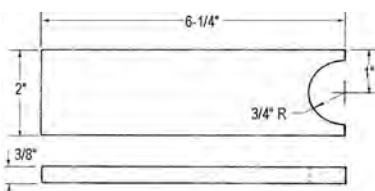
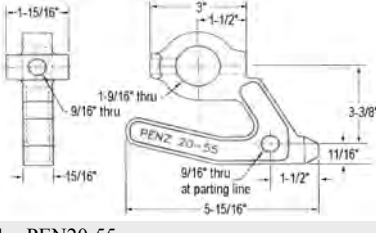
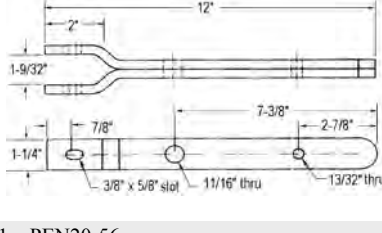
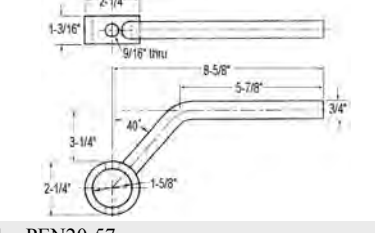
2.8.3: CHASSIS TWISTLOCK HANDLES

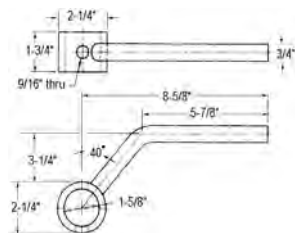
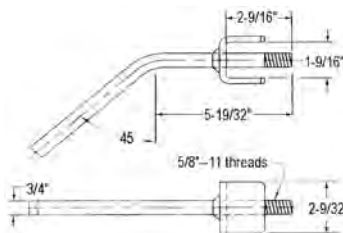
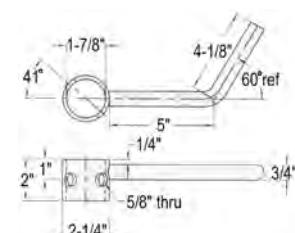
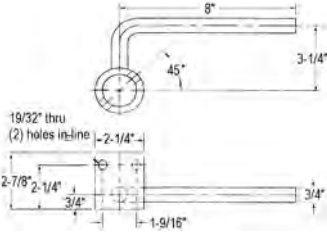
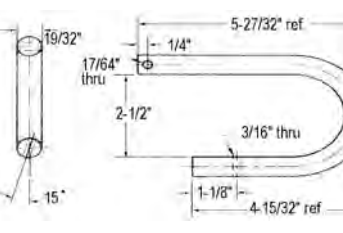
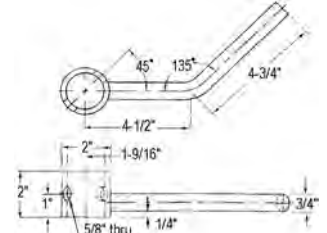
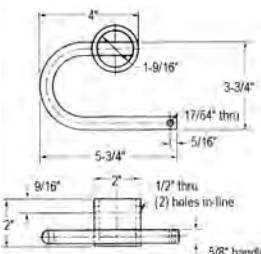
 1. 20-15 Similar to: 201-15 Wt: 0.5 lb/0.23 kg Twistlock Handle	 1. 20-30 Similar to: 201-30 Wt: 3 lb/1.36 kg Twistlock Handle	 1. 20-38 Similar to: 501-2 Wt: 6 lb/2.72 kg Front Locking Pin Assy.
 1. 20-41-A Similar to: 501-5 Wt: 1 lb/0.45 kg Locking Pin Assy.	 1. 20-42 Similar to: 501-6 Wt: 4.25 lb/1.93 kg Front Locking Pin Assy.	 1. 20-43 Similar to: 501-7 Wt: 4.75 lb/2.15 kg Front Locking Pin Assy.

2.8.4: CONTAINER SECUREMENT HANDLES & PINS

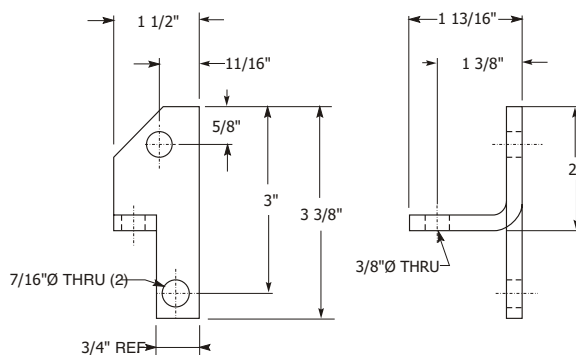
 1. 202012 Mat'l: HRS Wt: 2.4#, Primer Paint OEM # 20-12	 1. 202013 Mat'l: Ductile Casting Wt: 2.2#, Primer Paint OEM # 20-13
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2.8.5: TWIST LOCK HANDLES & PINS

 1. PEN20-01-LH 2. PEN20-01-RH	 1. PEN20-06	 1. PEN20-07
 1. PEN20-16	 1. PEN20-25	 1. PEN20-27
 1. PEN20-36	 1. PEN20-37	 1. PEN20-40
 1. PEN20-41-B	 1. PEN20-45 2. PEN20-45-1 3. PEN20-45-2 Assembly Handle Pins	 1. PEN20-54
 1. PEN20-55	 1. PEN20-56	 1. PEN20-57

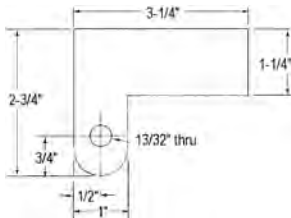
		
1. PEN20-58	1. PEN20-76-MOD	1. PEN20-88-LH 2. PEN20-88-RH shown
		
1. PEN20-97-LH 2. PEN20-97-RH	1. PEN20-98-LH 2. PEN20-98-RH	1. PEN20.108-LH 2. PEN20.108-RH shown
		
1. PEN20.113-LH 2. PEN20.113-RH shown		

2.8.6: LATCHES

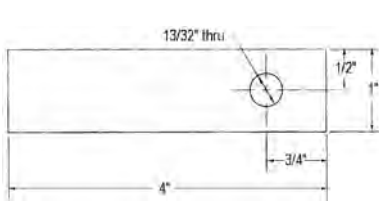


- 202509R & 202509L Right Hand Shown: Part No. 202509R
 OEM # 25-09-RH
 Left Hand Opposite: Part No. 202509L
 OEM # 25-09-LH
 Mat'l: 7 Ga. HRS
 Wt: 0.2#, Primer Paint

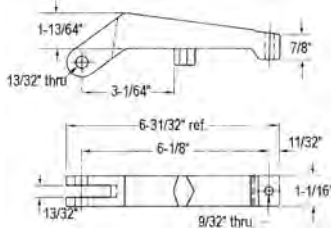
2.8.7: SAFETY LOCKS & LATCHES



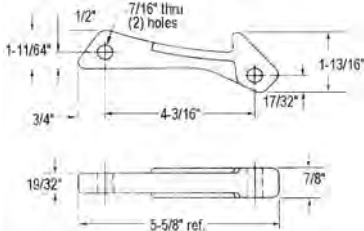
1. PEN25-01



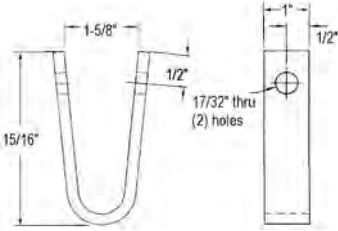
1. PEN25-03



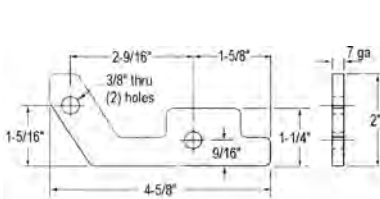
1. PEN25-05



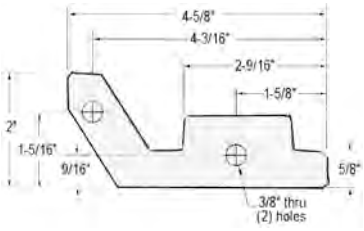
1. PEN25-06



1. PEN25-08

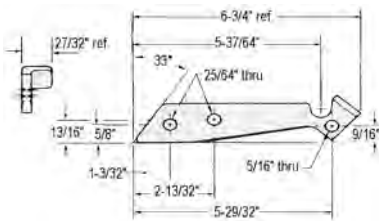


1. PEN25-10

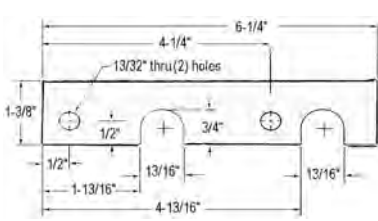


1. PEN25-11
2. STO04-85496-009-02

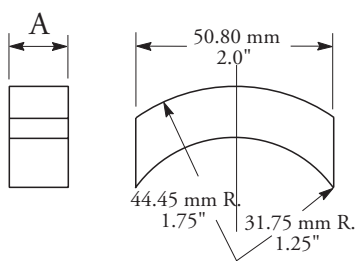
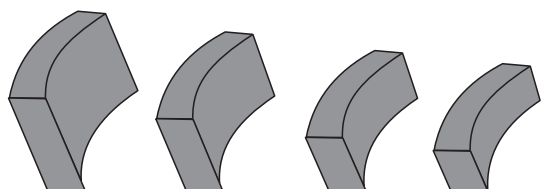
Zinc
Black



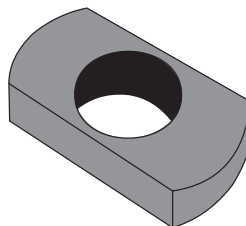
1. PEN25-21



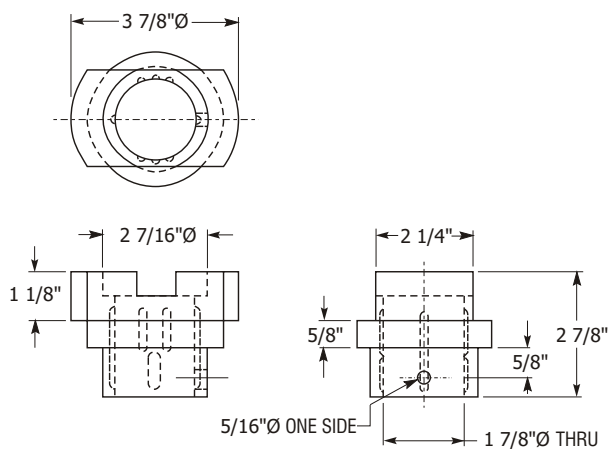
1. PEN25-28

2.8.8: RISER BLOCKS


Part No.	Similar to:	A	
		in.	mm
21-1	2100-1	3/8	9.53
21-2	2100-2	9/16	14.29
21-3	2100-3	1	25.4
21-4	2100-4	1 1/8	28.58
21-5	2100-5	1 1/4	31.75
21-6	2100-6	1 3/8	34.93
21-7	2100-7	1 1/2	38.10
21-8	2100-8	1 5/8	41.28



Dimensions subject
to customer's
requirements

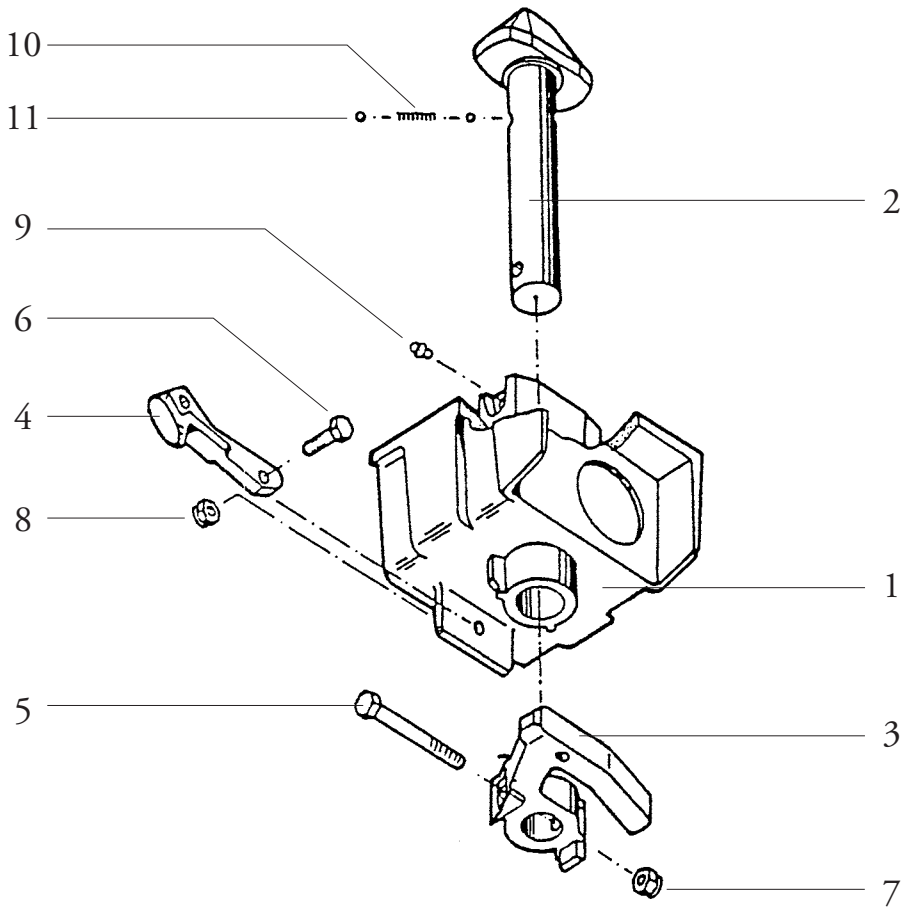


1. 202125
Material: HRS
Wt: 2.9#, Primer Paint

OEM # 21-25

2.8.9: ORIGINAL SCHULZ REPLACEMENT PARTS

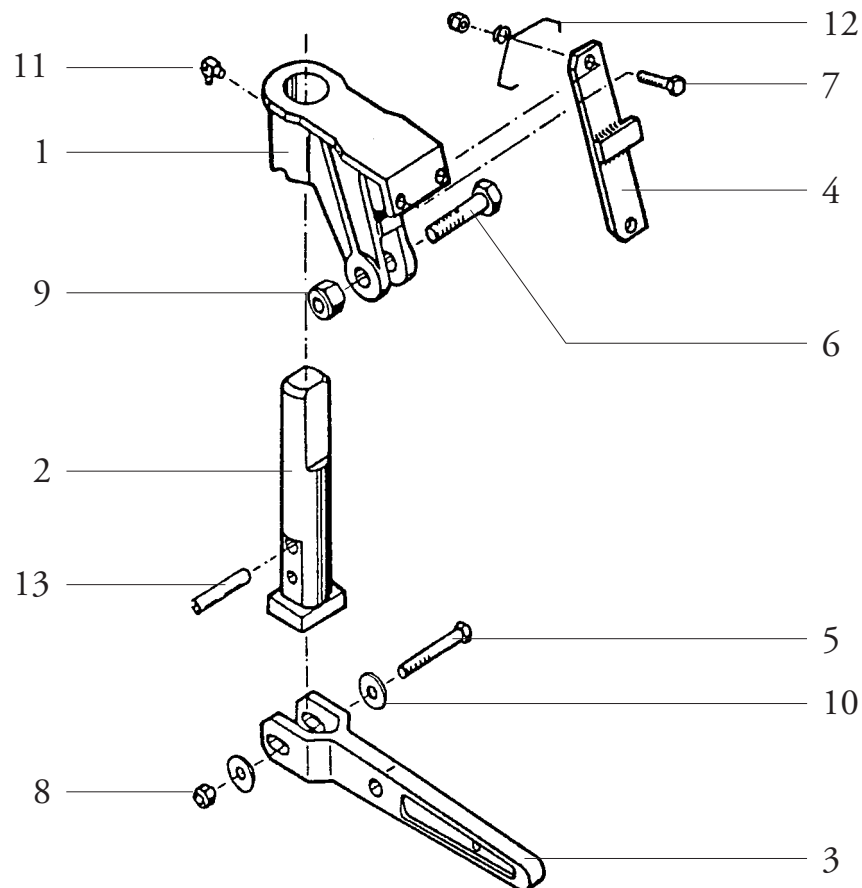
Type F33NS 905.177.000



Reference	Description	Quantity	Part Number
1	Housing	1	905.177.001
2	Locking Pin	1	905.177.002
3	Handle	1	905.177.003
4	Latch	1	905.177.009
5	Hex. Bolt 1/2 x 4	1	000.004.008
6	Hex. Bolt 3/8 x 1 1/2	1	000.004.009
7	Sec. Nut 1/2	1	000.005.003
8	Sec. Nut 3/8	1	000.005.004
9	Grease Nipple	1	905.000.185
10	Spring	1	905.000.194
11	Ball	2	905.000.195

2.8.9: ORIGINAL SCHULZ REPLACEMENT PARTS

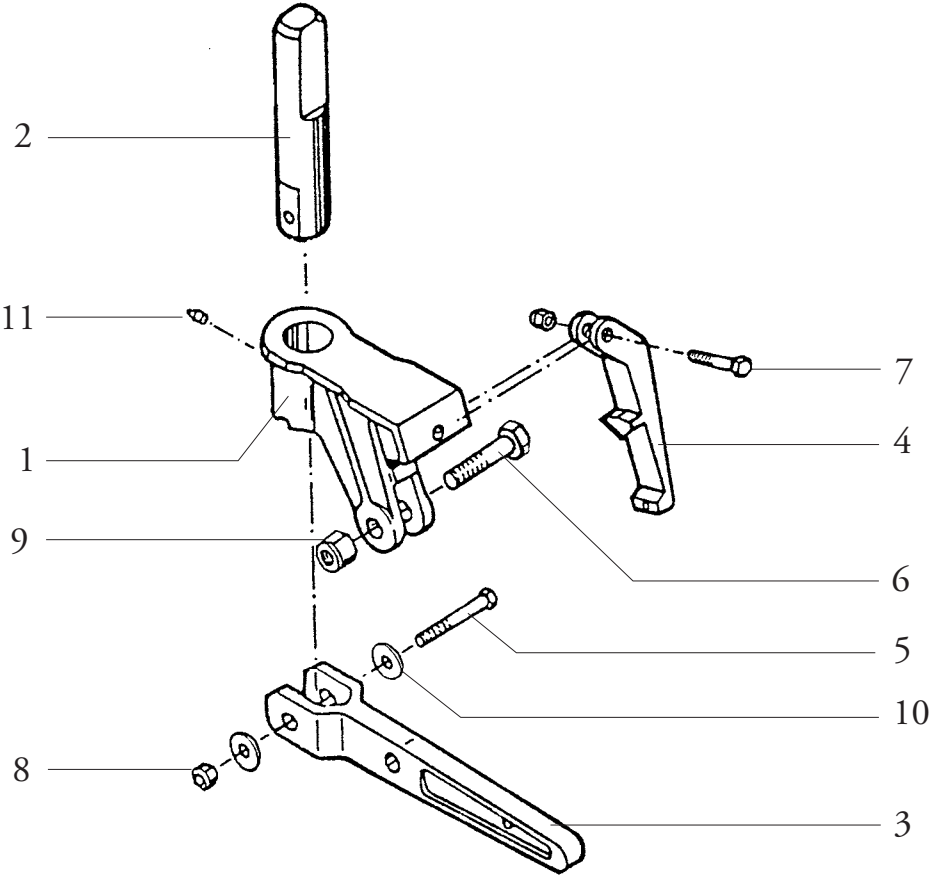
Type FB44HL 905.204.000



Reference	Description	Quantity	Part Number
1	Housing	1	905.156.001
2	Locking Pin	1	905.204.005
3	Handle	1	905.204.003
4	Latch	1	905.204.004
5	Hex. Bolt 3/8 x 2 3/4	1	000.004.010
6	Hex. Bolt 5/8 x 2 1/2	1	000.004.011
7	Hex. Bolt 3/8 x 1 1/2	1	000.004.009
8	Sec. Nut 3/8	2	000.005.004
9	Sec. Nut 5/8	1	000.005.002
10	Washer 3/8	2	000.006.008
11	Grease Nipple 90°	1	905.204.008
12	Spring	1	905.204.002
13	Rolled Pin 1/2 x 2 3/8	1	000.003.001

2.8.9: ORIGINAL SCHULZ REPLACEMENT PARTS

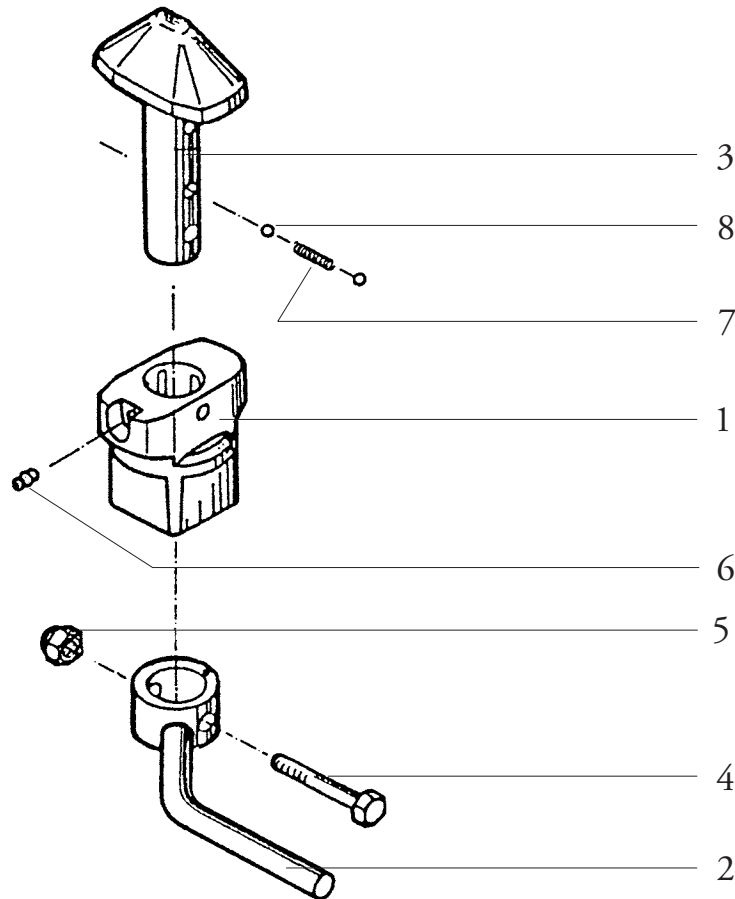
Type FB55HL 905.206.000



Reference	Description	Quantity	Part Number
1	Housing	1	905.156.001
2	Locking Pin	1	905.156.002
3	Handle	1	905.156.003
4	Latch	1	905.206.001
5	Hex. Bolt 3/8 x 2 3/4	1	000.004.010
6	Hex. Bolt 5/8 x 2 1/2	1	000.004.011
7	Hex. Bolt 3/8 x 1 1/2	1	000.004.009
8	Sec. Nut 3/8	2	000.005.004
9	Sec. Nut 5/8	1	000.005.002
10	Washer 3/8	2	000.006.008
11	Grease Nipple	1	905.000.185

2.8.9: ORIGINAL SCHULZ REPLACEMENT PARTS

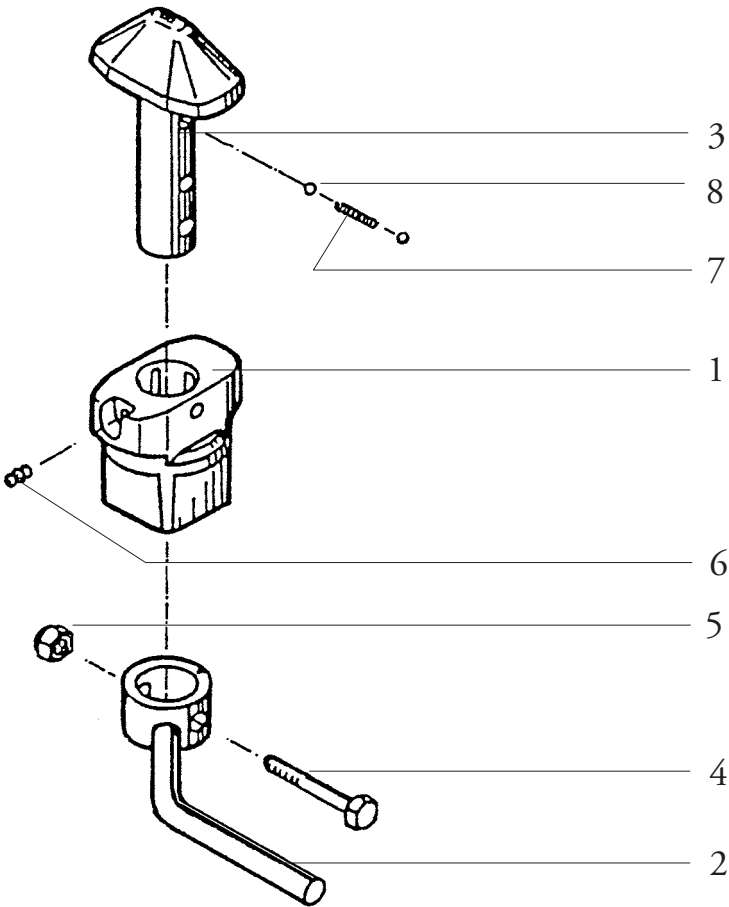
Type F66NS 905.264.000



Reference	Description	Quantity	Part Number
1	Housing	1	905.228.001
2	Handle Assembly	1	905.228.100
3	Locking Pin	1	905.228.004
4	Hex. Bolt 1/2 x 3	1	000.004.004
5	Sec. Nut 1/2	1	000.005.003
6	Grease Nipple	1	905.000.185
7	Spring	1	905.000.194
8	Ball	2	905.000.195

2.8.9: ORIGINAL SCHULZ REPLACEMENT PARTS

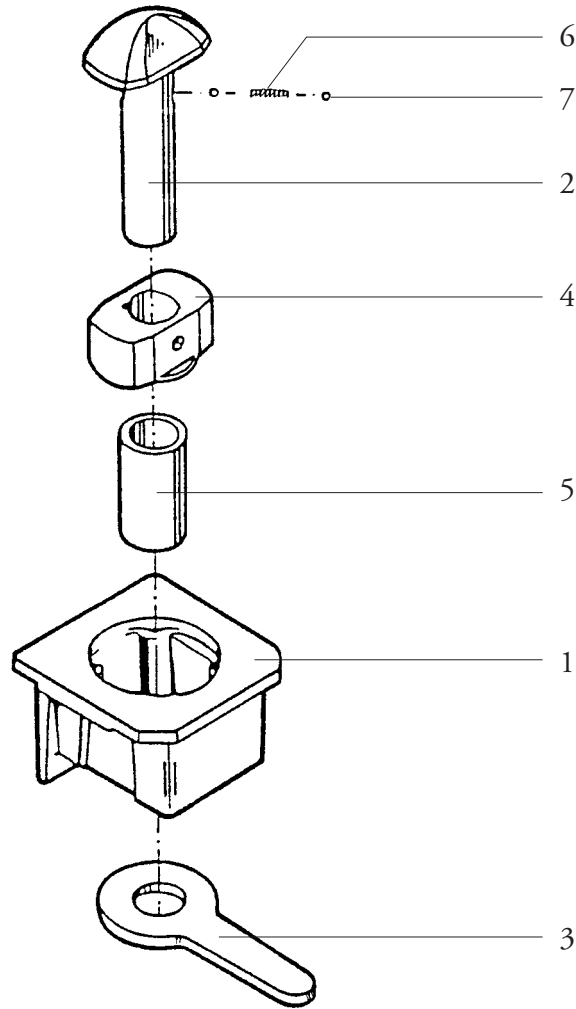
Type F77ANS 905.265.000



Reference	Description	Quantity	Part Number
1	Housing	1	905.228.001
2	Handle Assembly	1	905.265.100
3	Locking Pin	1	905.228.004
4	Hex. Bolt 1/2 x 3	1	000.004.004
5	Sec. Nut 1/2	1	000.005.003
6	Grease Nipple	1	905.000.185
7	Spring	1	905.000.194
8	Ball	2	905.000.195

2.8.9: ORIGINAL SCHULZ REPLACEMENT PARTS

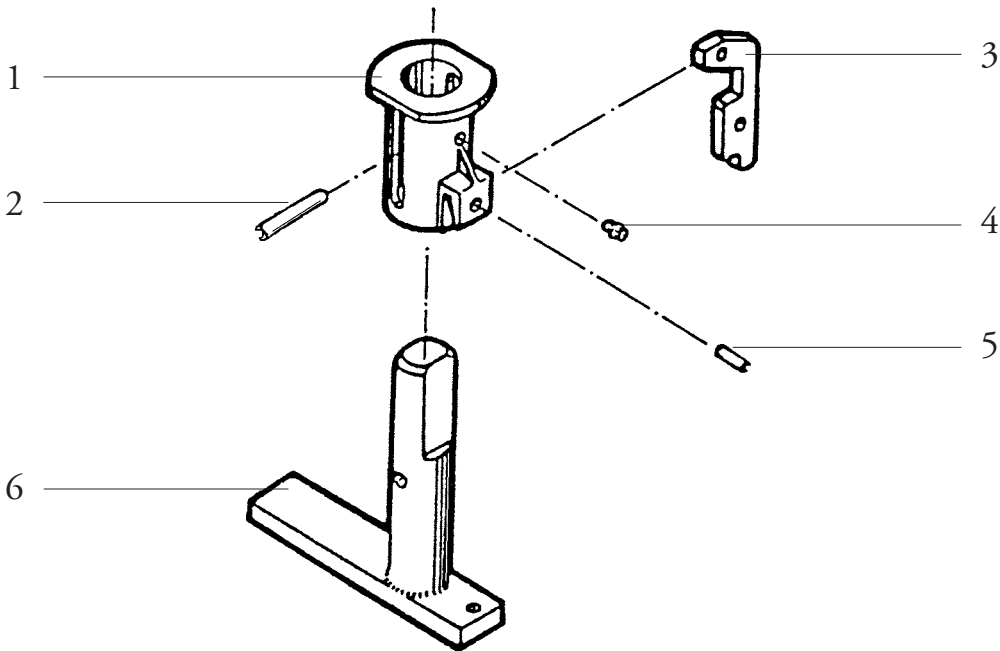
Type QA18NS 905.131.000



Reference	Description	Quantity	Part Number
1	Housing	1	905.000.171
2	Locking Pin	1	905.000.169
3	Handle	1	905.000.167
4	Riser Block	1	905.000.244
5	Bushing	1	905.000.260
6	Spring	1	905.000.194
7	Ball	2	905.000.195

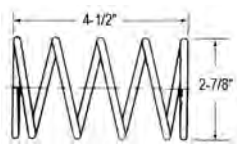
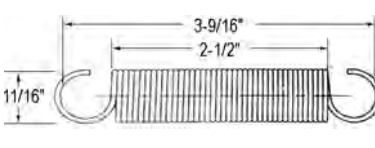
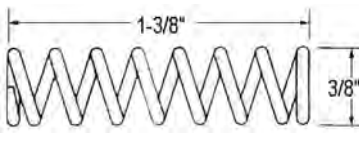
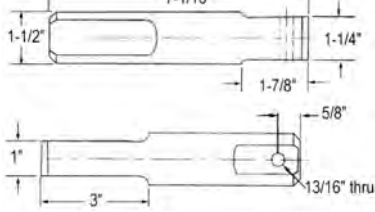
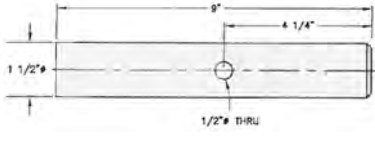
2.8.9: ORIGINAL SCHULZ REPLACEMENT PARTS

Type FB88HL 905.238.001

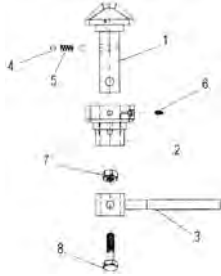
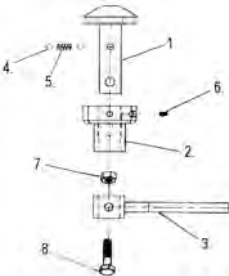
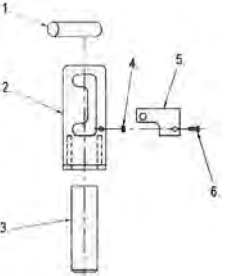


Reference	Description	Quantity	Part Number
1	Housing	1	905.238.001
2	Handle Assembly	1	905.238.100
3	Latch	1	905.238.002
4	Grease Nipple	1	905.000.185
5	Rolled Pin 5/16 x 7/8	1	000.003.010
6	Rolled Pin 3/8 x 2 3/8	1	000.003.011

2.8.10: MISCELLANEOUS TWIST LOCK PARTS

 ends closed and ground		
1. PEN50-12 Spring	1. PEN50-13 Spring	1. PEN50-20 Spring
		
1. PEN30-21 Lock Pin	1. PEN30-13	

2.8.11: TWIST LOCK ASSEMBLIES

 - Twist Lock - Housing - Handle - Steel Ball - Spring - Grease Fitting - Lock Nut 9/16"—12 - Hex Hd. Bolt 9/16" x 3", gr. 5	 - Twist lock - Housing - Handle - Steel Ball - Spring - Grease Fitting - Lock Nut 9/16"—12 - Hex Hd. Bolt 9/16" x 3", gr. 5	 - Handle - Housing - Pin - Lock Nut 1/4"—20 - Latch - Hex Hd. Bolt 1/4"—20 x 1"
1. PEN90-02LH 2. PEN90-02RH shown	1. PEN90-03	1. PEN90-20-LH

2.9 Decals

2.9.1: LETTERS AND NUMBERS

2.9.1.1: BLACK OR WHITE KISS-CUT (FREESTANDING)

Article Number	Description	Size	Quantity/Package
01-01	0-9 or A-Z	6 in (150 mm)	50
01-02	0-9 or A-Z	4 in (100 mm)	100
01-03	0-9 or A-Z	3 in (80 mm)	100
01-04	0-9 or A-Z	2.4 in (60 mm)	100
01-05	0-9 or A-Z	2 in (50 mm)	100
01-06	A-Z	2 in (50 mm)	100

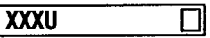
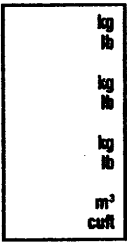
2.9.1.2: YELLOW OR BLUE KISS-CUT (FREESTANDING)

Article Number	Description	Size	Quantity/Package
01-07	0-9 or A-Z	4 in (100 mm)	100
01-08	0-9 or A-Z	2 in (50 mm)	100
01-09	A-Z	2 in (50 mm)	100

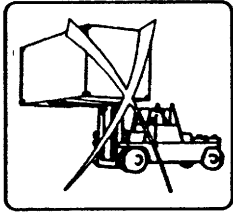
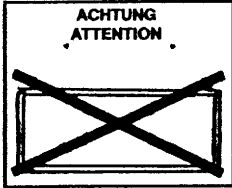
2.9.1.3: BLACK ON WHITE OR WHITE ON BLACK

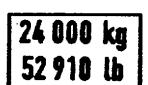
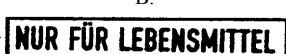
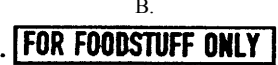
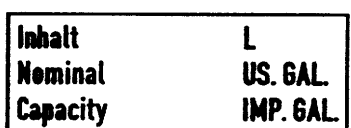
Article Number	Description	Size	Quantity/Package
01-010	0-9 or A-Z	4 in (100 mm)	100
01-011	0-9 or A-Z	2 in (50 mm)	100

2.9.2: ISO DECALS

Article Number		Description	Quantity/Package
02-01	A) 	27.56 x 4.92 in. (700 x 125 mm) white base plate with frame for check-digit; neutral for 3.94 inc. (100 mm) high figures and letters.	25
	B) 	3.1 x 5.1 in. (80 x 1300 mm) white base plate with frame for check-digit; neutral for 3.94 (100 mm) high letters and numbers.	25
02-02	A) 	27.56 x 4.92 in. (700 x 125 mm) white base plate with printed-in owner code, as specified	50
	B) 	3.1 x 5.1 in. (80 x 1300 mm) white base plate with printed-in owner code, as specified	25
02-03		14.76 x 4.53 in. (375 x 115 mm) country code; print as specified	25
02-04		12.21 x 25.39 in. (310 x 645 mm) weight panel: <i>a. white/black</i> <i>b. transparent/white</i> <i>c. transparent/yellow</i> <i>d. transparent/black</i>	25
02-05	A. 	12.21 x 25.39 in. (310 x 645 mm) weight panel, neutral with imprint "kg" and "lb." <i>a. white/black</i> <i>b. transparent/white</i> <i>c. transparent/yellow</i> <i>d. transparent/black</i>	25
	B.	With imprint as specified	3

Article Number		Description	Quantity/Package
02-06		For 3.94 in (100 mm) figures Check-digit frame <i>a. black</i> <i>b. white</i> <i>c. yellow</i> <i>d. blue</i> <i>e. black on white</i>	100
02-07		4.33 x 7.28 in. (110 x 185 mm) ic-sign <i>a. black</i> <i>b. white</i> <i>c. yellow</i> <i>d. blue</i> <i>e. black on white</i>	25
02-08		4.33 x 5.91 in. (110 x 150 mm) height difference mark <i>yellow/black</i>	25
		4.33 x 5.91 in. (110 x 150 mm) <i>yellow/black</i>	25
		4.33 x 5.91 in. (110 x 150 mm) <i>yellow/black</i>	25
02-09		2.52 x 4.13 in. (64 x 105 mm) anchor <i>white/red/black</i>	25
02-10		1.97 x 7.87 in. (50 x 200 mm) <i>a. white/black</i> <i>b. transparent/white</i> <i>c. transparent/yellow</i>	20
02-11		18.11 x 10.24 in. (460 x 260 mm) <i>background blue</i> <i>print white</i>	10

Article Number		Description	Quantity/Package
02-12		3.93 x 9.54 in. (100 x 240 mm) lightning arrow white/red	25
02-13		11.81 x 9.84 in. (300 x 250 mm) prohibited for forklift trucks white/red/black/yellow	25
02-14		11.81 x 9.84 in. (300 x 250 mm) do not lift below 45 degrees white/black	25
02-15		12.2 x 12.2 in. (310 x 310 mm) red/black	5
02-16		12.2 x 12.2 in. (310 x 310 mm) red/black	5
02-17		11.81 x 7.87 in. (300 x 200 mm) yellow/red/black/white caution bulk cargo	25

Article Number		Description	Quantity/Package
02-18		3.74 x 1.57 in. (95 x 40 mm) white/black	20
02-19		3.74 x 1.57 in. (95 x 40 mm) white/black	20
02-20		11.81 x 11.81 in. (300 x 300 mm) blue/white	25
02-21		1.4 x 3.2 in. (35 x 80 mm) black/white CSC-reinspection label	100
02-22		ACEP sticker as specified according to customer's requirement	Please ask for price
02-23		12.4 x 5.2 in (310 x 130 mm) black on white	50
02-24	A. 	lettering height 4.8 in. (120 mm) black on white	25
	B. 	18.2 x 6.4 in. (455 x 160 mm) black on white	25
02-25	A. 	lettering height 4.8 in. (120 mm) black on white	25
	B. 	18.2 x 6.4 in. (455 x 160 mm) black on white	25
02-26		lettering height 2 in. (50 mm) a. black on white b. black kiss-cut	25

Article Number		Description	Quantity/Package
02-27		lettering height 2 in. (50 mm) <i>a. black on white</i> <i>b. black kiss-cut</i>	25
02-28		lettering height 2 in. (50 mm) <i>a. black on white</i> <i>b. black kiss-cut</i>	25
02-30		lettering height 4 in. (100 mm) with imprint as specified <i>black kiss-cut</i>	25

2.9.3: LOGOS

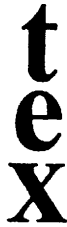
Article Number		Description	Quantity/Package
03-01		12.2 x 60 in. (305 x 1500 mm) sidewall marking, vertical <i>a. blue kiss-cut with transfer paper</i> <i>b. white kiss-cut with transfer paper</i>	10
03-02		60 x 12.2 in. (1500 x 305 mm) door lettering, horizontal <i>a. blue kiss-cut with transfer paper</i> <i>b. white kiss-cut with transfer paper</i>	10
03-03		23 x 60 in. (575 x 1500 mm) sidewall lettering, vertical <i>a. blue</i> <i>b. white</i>	5
03-04		lettering height 17.2 in. (430 mm) sidewall marking, vertical <i>yellow kiss-cut with transfer foil</i>	8

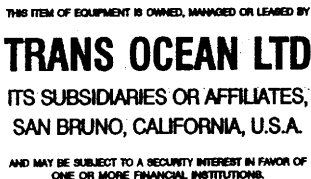
Article Number		Description	Quantity/Package
03-05		76 x 16 in. (1900 x 400 mm) sidewall marking, vertical <i>yellow/green</i>	10
03-06		34.4 x 10 in. (860 x 250 mm) door logo, horizontal <i>yellow/green</i>	10
03-07		lettering height 6 in. (150 mm) front marking, horizontal <i>yellow kiss-cut with transfer foil</i>	12
03-08		12 x 88 in. (300 x 2200 mm) sidewall marking, vertical <i>yellow kiss-cut with transfer foil</i>	8
03-09		38.56 x 6.28 in. (964 x 157 mm) door marking, horizontal <i>yellow kiss-cut with transfer foil</i>	10
03-10		29.0 x 9.2 in. (725 x 230 mm) logo <i>black on white</i>	on request
03-12		17.6 x 71.6 in. (440 x 1790 mm) sidewall lettering, vertical <i>blue on white</i>	5
03-13		17.6 x 12.8 in. (440 x 320 mm) logo for sidewall <i>blue/red on white</i>	10
03-14		17.6 x 14.2 in. (440 x 355 mm) logo for door <i>blue/red on white</i>	10

Article Number		Description	Quantity/Package
03-15		16.0 x 72.0 in. (400 x 1800 mm) sidewall lettering, vertical <i>yellow on clear</i>	8
03-16		15.2 x 15.2 in. (380 x 380 mm) door logo <i>yellow on clear</i>	10
03-17		39.2 x 40.44 in. (980 x 1011 mm) sidewall marking <i>blue on white</i>	on request
03-18		13.6 x 15.6 in. (340 x 390 mm) door logo <i>blue on white</i>	on request
03-19		40 x 24 in. (1000 x 600 mm) owner decal <i>blue on white</i>	on request
03-20		each side 15.6 in. (390 mm) logo a. white kiss-cut with transfer paper b. green on white	15
03-21		a. 80 x 18 in. (2000 x 450 mm) sidewall logo <i>Huurbox - black, red on white</i> <i>Koelbox - blue on white</i>	on request
		b. 60 x 13.2 in. (1500 x 330 mm) sidewall logo <i>black, red on white</i>	on request
03-22		20 x 4.4 in. (500 x 110 mm) door logo <i>Huurbox - black, red on white</i> <i>Koelbox - blue on white</i> * Other Huurbox decals are available on request	on request

Article Number		Description	Quantity/Package
03-23		lettering height 17.6 in. (440 mm) sidewall marking <i>white kiss-cut</i>	8
03-24		28 x 9 in. (700 x 225 mm) door logo <i>white kiss-cut</i>	10
03-25		17.6 x 84 in. (440 x 2100 mm) sidewall lettering, vertical <i>brown/white</i>	10
03-26		17.6 x 10.6 in. (440 x 265 mm) door lettering, horizontal <i>brown/white</i>	10

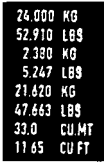
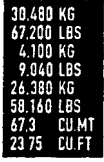
Article Number		Description	Quantity/Package
03-27		9 x 25.6 in. (225 x 640 mm) sidewall lettering, vertical <i>clear/white/red/blue</i>	10
		58 x 26 in. (1450 x 650 mm) sidewall logo <i>red/white</i>	6
		22.8 x 10.2 in. (570 x 255 mm) logo for flats <i>red/white</i>	7
		15.8 x 14 in. (395 x 350 mm) logo <i>red/blue on white</i>	10
03-28		16 x 76 in. (400 x 1900 mm) sidewall lettering, vertical <i>2 parts, blue on white</i>	10
03-29		16 x 20 in. (400 x 500 mm) door logo <i>blue on white</i>	10
03-30		12.8 x 3.2 in. (320 x 80 mm) owner decal Shirlstar <i>blue on white</i>	12

Article Number		Description	Quantity/Package
03-45		16 x 80 in. (400 x 2000 mm) sidewall logo <i>white on clear</i>	on request
03-46		16 x 16 in. (400 x 400 mm) door logo <i>white on clear</i>	
03-31		t = 17.2 in. (430 mm) e = 13 in. (325 mm) x = 12.48 in. (312 mm) sidewall lettering, vertical <i>white kiss-cut with transfer foil</i>	10
03-32		26 x 16 in. (650 x 400 mm) door logo <i>clear/white</i>	10
		30.4 x 13.6 in. (760 x 340 mm) front logo <i>clear/white</i>	10
03-33		16.4 x 88.4 in. (410 x 2210 mm) sidewall lettering, vertical <i>black on white</i>	8
03-34		28 x 8 in. (700 x 200 mm) door logo, horizontal <i>black on white</i>	10
03-35		8.4 x 28.8 in. (210 x 970 mm) door logo, vertical <i>black on white</i>	10

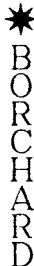
Article Number		Description	Quantity/Package
03-36		17.28 x 73.2 in. (432 x 1830 mm) sidewall lettering, vertical <i>a. yellow/blue No. S1d</i> <i>b. blue/yellow No. S2x with transfer paper</i>	8
03-37		36.6 x 8.6 in. (915 x 215 mm) sidewall lettering for tank container <i>blue on yellow with transfer paper</i>	10
03-38		6.2 x 68 in. (155 x 1700 mm) sidewall lettering for flats <i>blue on yellow with transfer paper</i>	10
03-39		a. 13.2 x 13.2 in. (330 x 330 mm)	10
		b. 8.8 x 8.8 in. (220 x 220 mm) (for 20' flats) door logo <i>yellow on blue</i>	12
03-40		12.2 x 7.08 in. (305 x 177 mm) owner logo <i>blue on yellow</i> * More detailed TOL lettering for repair and refurbishing is available. Please contact us.	50
03-41		lettering height 8.8 in. (220 mm) sidewall lettering <i>a. white kiss-cut for box container</i> <i>b. brown kiss-cut for reefer container</i>	10
03-42		16.8 x 5.2 in. (420 x 130 mm) door lettering <i>a. white on clear for box container</i> <i>b. brown on clear for reefer container</i>	25

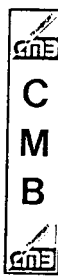
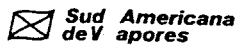
Article Number		Description	Quantity/Package
03-43		17.4 x 86.4 in. (435 x 2160 mm) sidewall marking, vertical <i>white/blue/red</i>	8
03-44		13.8 x 60.8 in. (345 x 1520 mm) door marking, vertical <i>white/blue/red</i>	10
		17.6 x 17.6 in. (440 x 440 mm) door logo <i>white/blue/red</i>	
Article Number	Description		
GS-2001		7.19 x 3.54 in. (180 x 90 mm) owner logo horizontal	
GS-0201		35.5 x 17.7 in. (903 x 450 mm) door logo	
GS-0102		17.3 x 78.7 in. (440 x 2000 mm) side logo for 20' and 40' steel with flat marking panel and vent	

Article Number	Description	
GS-0101		17.3 x 90.7 in. (440 x 2304 mm) side logo for 20' and 40' steel with flat marking panel, without vent
GS-0103		17.3 x 102.5 in. (440 x 2604 mm) side logo for 20' and 40' steel high cube with flat marking panel
GS-0104		141.9 x 24.2 in. (3605 x 615 mm) side logo for 20' reefer
GS-0105		212 x 35.4 in. (5382 x 900 mm) side logo for 40' reefer
GS-0601		Max. Gross decal (white)
GS-0604		weight panel (white) TARE 2470 kg

Article Number	Description	
GS-0603		weight panel (white) TARE 2380 kg
GS-0602		weight panel (white) TARE 2330 kg
GS-0607		weight panel (white) TARE 4300 kg
GS-0606		weight panel (white) TARE 4200 kg
GS-0605		weight panel (white) TARE 4100 kg
GS-0608		white kiss-cut
GS-0901	US 2210	white kiss-cut lettering height 3.9 in. (100 mm)
GS-0902	US 4310	white kiss-cut lettering height 3.9 in. (100 mm)
GS-0510		check digit box white kiss-cut

Article Number	Description	
GS-0410	0 1 2 3 4 5 6 7 8 9	numbers 0-9 lettering height 3.9 in. (100 mm) white kiss-cut
GS-0301	GSTU	prefix lettering height 3.9 in. (100 mm) white kiss-cut, horizontal
GS-0302	CTIU	prefix lettering height 3.9 in. (100 mm) white kiss-cut, horizontal
GS-0303	G S T U	prefix lettering height 3.9 in. (100 mm) white kiss-cut, horizontal
GS-0304	C T I U	prefix lettering height 3.9 in. (100 mm) white kiss-cut, horizontal
GS-1002		height decal black/yellow 2, 9 / 9-1/2
GS-4003	CAUTION 9'6" HIGH	caution decal 9'6" 12 x 14 in. (305 x 355 mm) yellow/black
GS-4004	CO AA UU TT II OO NN 3/2 HH II GO HH	caution decal vertical - symmetrical 2.76 x 39.4 in. (70 x 1000 mm) yellow/black
GS-4002		striping for corner posts 10.8 x 12 in. (275 x 305 mm) for right and left side yellow/black

Article Number	Description	
GS-4001		top rail striping 24 x 2 in. (610 x 50 mm) yellow/black
Shipping Companies		
Atlantic Container Line	 	
Baltic Shipping Line Co.	  	
Bermuda Container Line	  	
Black Star Line		
Borchard Lines Ltd.		

Shipping Companies	
Bugsier Reederei AG	
CMB S.A.	 
Compania Sud Americana de Vapores	
Deutsche See-Reederei Rostock	
DFDS	
Ecuadorian Line	   

Shipping Companies	
Eimskip	EIMS KIP E I M S K I P
Empremar	
Empresa de Navegacao Alianca	 
Empresa Lineas Maritimas Argentinas S.A.	E.L.M.A. S.A.
Eurosal	<i>EUROSAL</i>
Geest Line	G e e s t
General National Maritime Transport Co.	

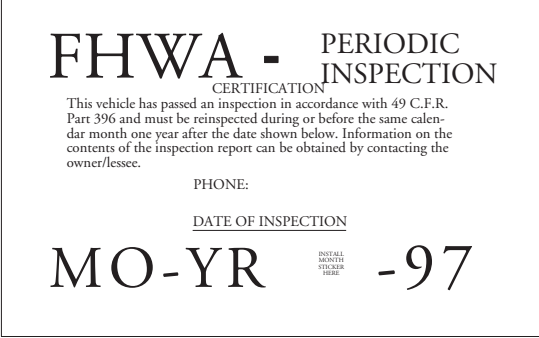
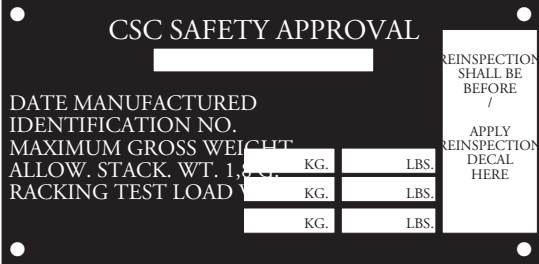
Shipping Companies	
Hamburg-Sud/Columbus Line	  
Hapag-Lloyd AG	 Hapag-Lloyd
Havenlinje B.V.	
Johnson Line	
Jugolinja	
Merzario	  

Shipping Companies	
Nedlloyd Lines	Nedlloyd
North West Line	
Oldenburg Portugisische Dampfschiffs-Reederei	OPDR
Oy Finn carriers	
Pacific Forum Line	 Pacific Forum Line
Polish Ocean Lines	
Pro Line	P R O L I N E

Shipping Companies	
PT Djakarta Lloyd	 DL
Rosa Line	 ROSA
Senator Line	
Tecomar	TECOMAR
United Arab Line	 UASC S.A.G. شركة الملاحة العربية المتحدة ش.م.ع
Westwood Shipping Lines	
Wilh. Wilhelmsen Ltd.	W

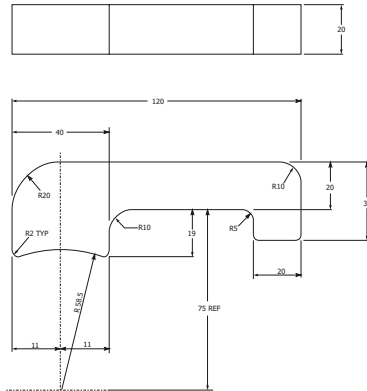
Decals			
			
1. 0240WB	1. 0245WB	1. 025045WB	1. 0248WB

2.9.4: FHWA AND CSA PLATES

	
1. 04FWAPL	1. 04CSPLATES

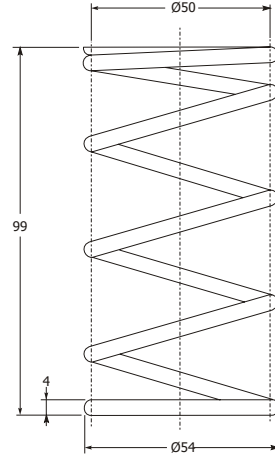
Custom decals available upon request.

2.10 Locks, Hinges & Springs

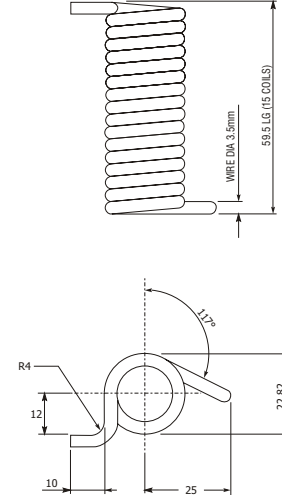


MADE FROM: BS 4360-43 A.

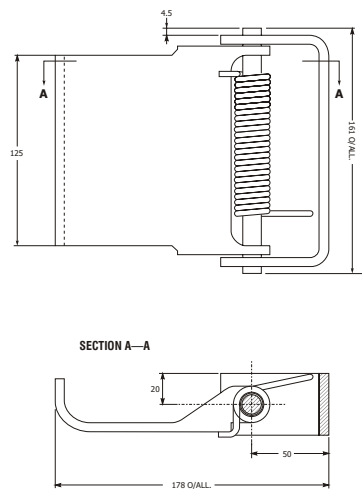
1. 92PK000101 Twistlock Arm



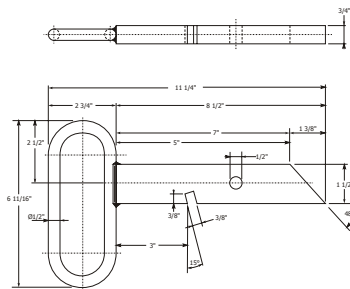
1. 924471 Compression Spring



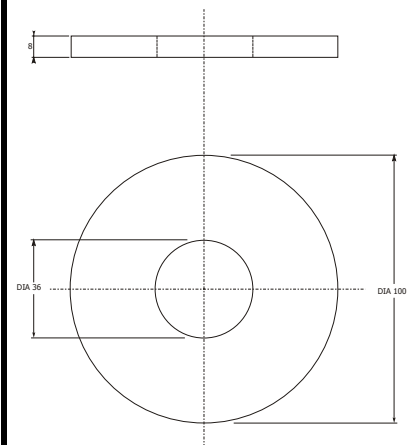
1. 92PK002101 Latch Spring Material: S/S Steel, AISI 302 Weight: 0.72 kg
--



1. 92CW050801 Latch Assembly

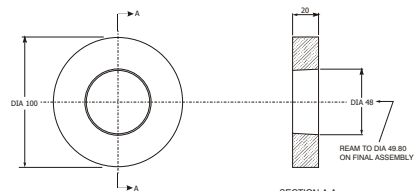
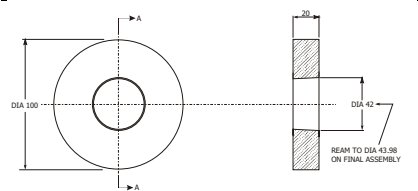
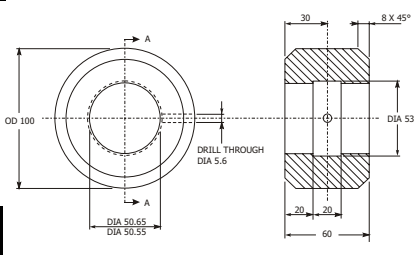
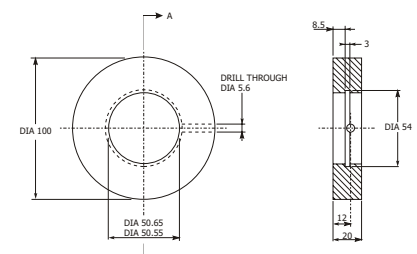
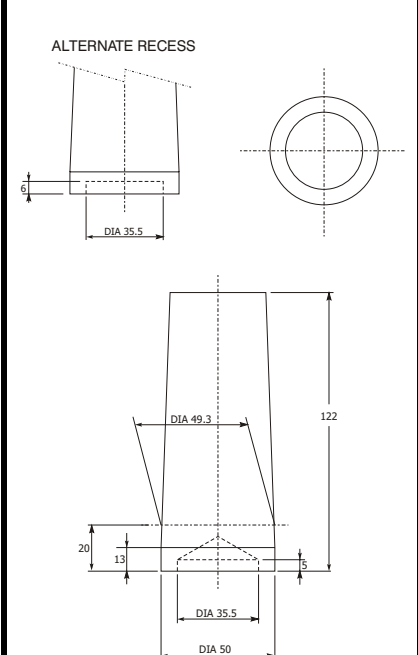
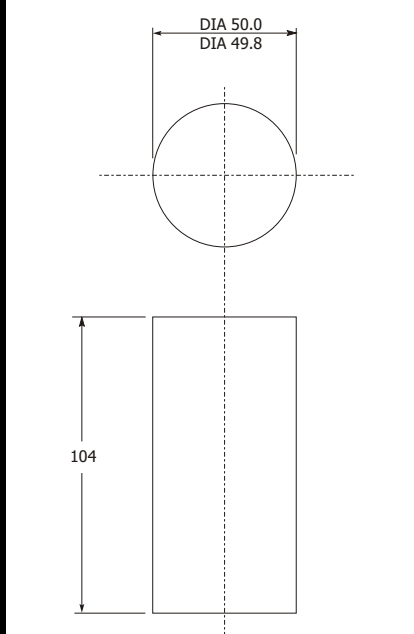


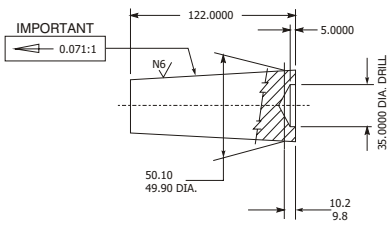
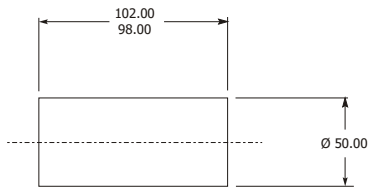
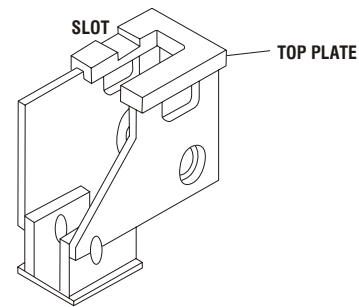
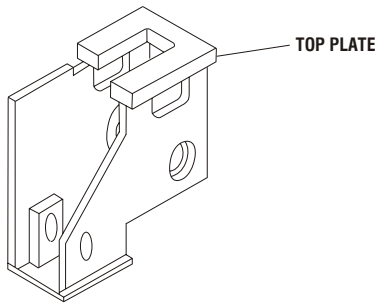
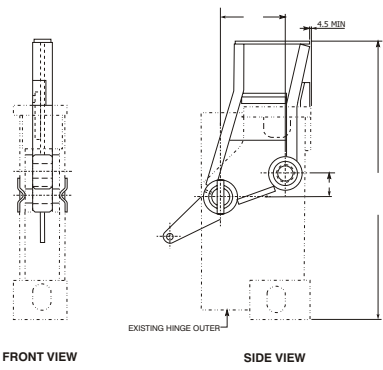
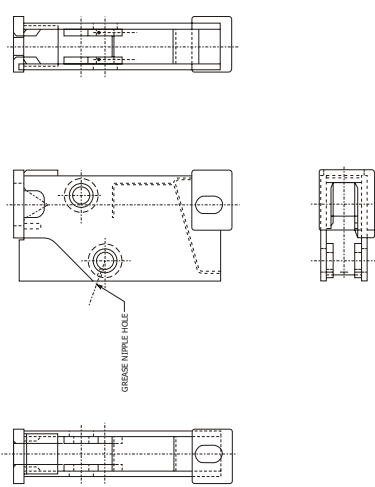
1. 92SICOMHL Header Lock

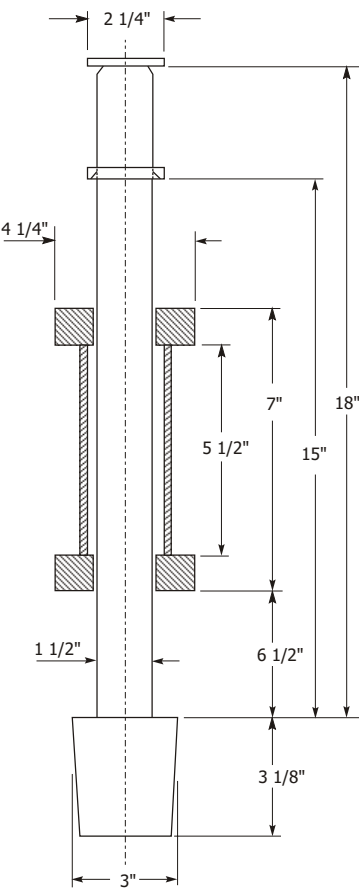
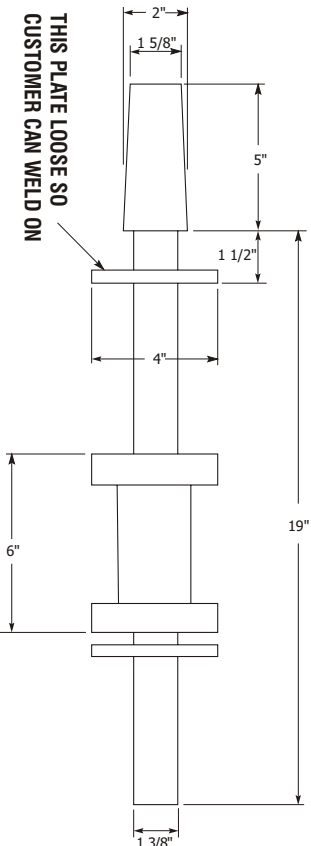
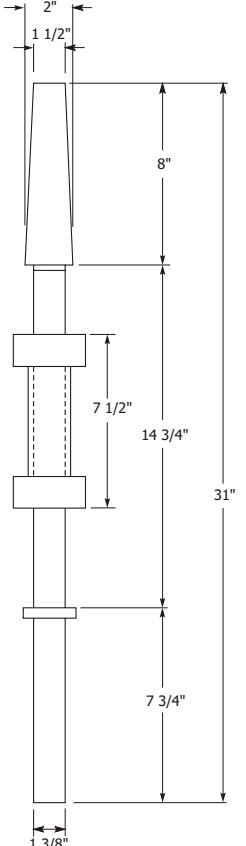


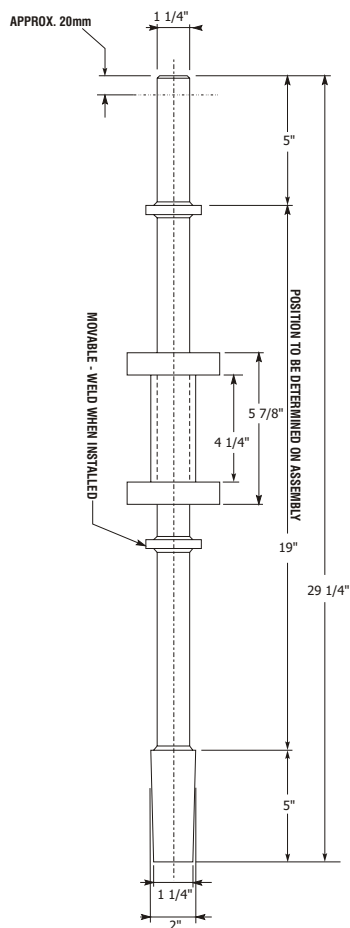
MADE FROM: BS 4360-43 A

1. 92PK001501 Striker Plate

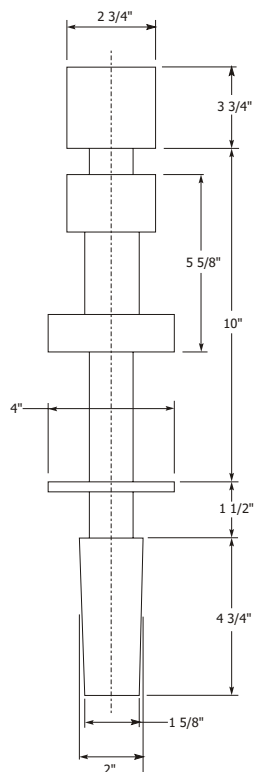
		
1. 92CC0580 Taper Boxx (Large Hole) Material: BS 4360-50 B Alt. Material: BS 4360-50 C Weight: 0.92 kg	1. 92CC0582 Taper Boxx (Small Hole) Material: BS 4360-50 B Alt. Material: BS 4360-50 C Weight: 0.99 kg	1. 92CC057101 Pivot Pin Boss Material: BS 4360-50 B Alt. Material: BS 4360-50 C
		
1. 92CC0579 Pivot Pin Boss Material: BS 4360-50 B Alt. Material: BS 4360-50 C	1. 92PK001301 Taper Pin Stainless Steel Grade 303 Alt. Material: Stainless Steel Grade 304 or equivalent weldable	1. 92PH002701 Pivot Shaft Alt. Material: Stainless Steel Grade 304 or 316

		
1. 92SD47M25041 Taper Locking Pin Material: Stainless Steel - 303S31 or 316 Minimum Yield 300 N/MM ² Weldable Grade	1. 92SD44M4203 Pivot Pin - Standard Material: Stainless Steel - 303S31 or 316 Minimum Yield 300 N/MM ² Weldable Grade	Top Plates for Outer Hinges 1. 92SD44M105001AL L/H 2. 92SD44M105001AR R/H Can be recognized by the slot in the top plate
		
Top Plates for Outer Hinges 1. 92SD44NM105001L L/H 2. 92SD44NM105001R R/H	1. 92PH000101 Inner Hinge L/H 2. 92PH000102 Inner Hinge R/H Note: Component is left-handed as drawn	1. 92PH001101 Outer Hinge L/H 2. 92PH001102 Outer Hinge R/H Note: Component is left-handed as drawn

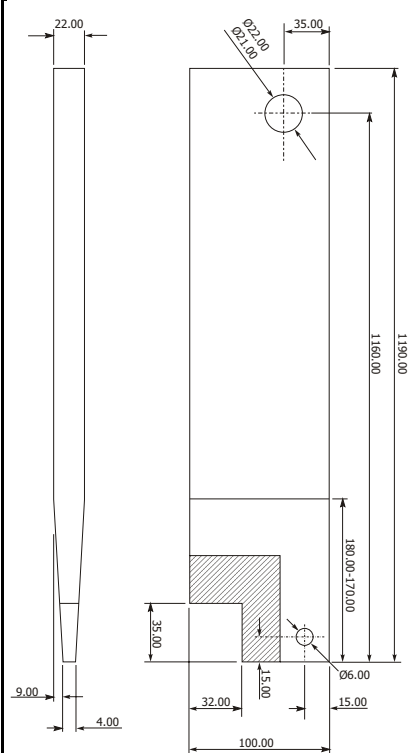
		
1. 92LOCKTRAVD3 Locking Mechanism	1. 92LOCKTYPE9 Locking Mechanism	1. 92CW0386C Locking Mechanism



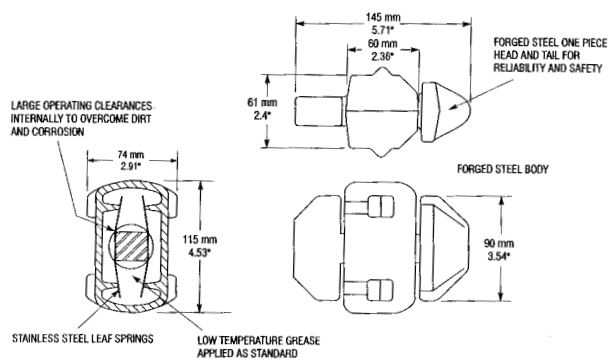
1. 92CW044901 Locking Mechanism



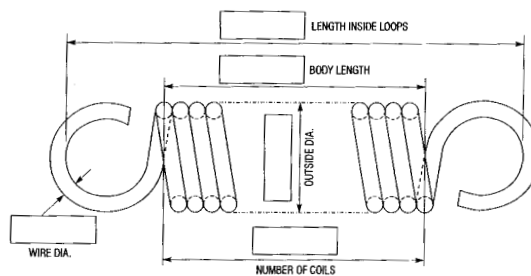
1. 92LOCKDES2 Locking Mechanism



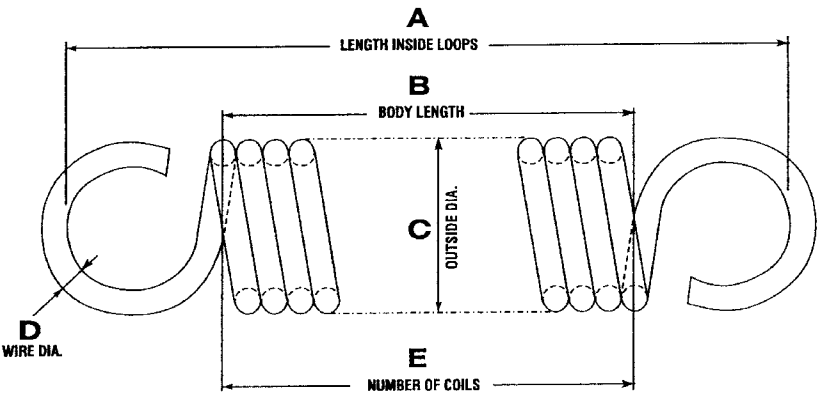
1. 92LEAFSPRING
Counterbalance Spring - Leaf Type



1. Twistlock



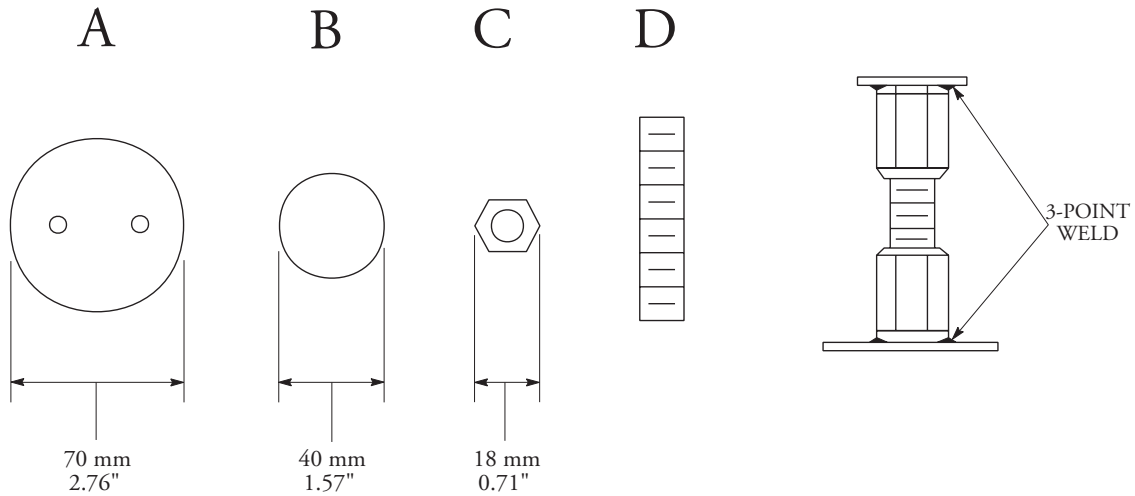
1. Flat Rack Spring



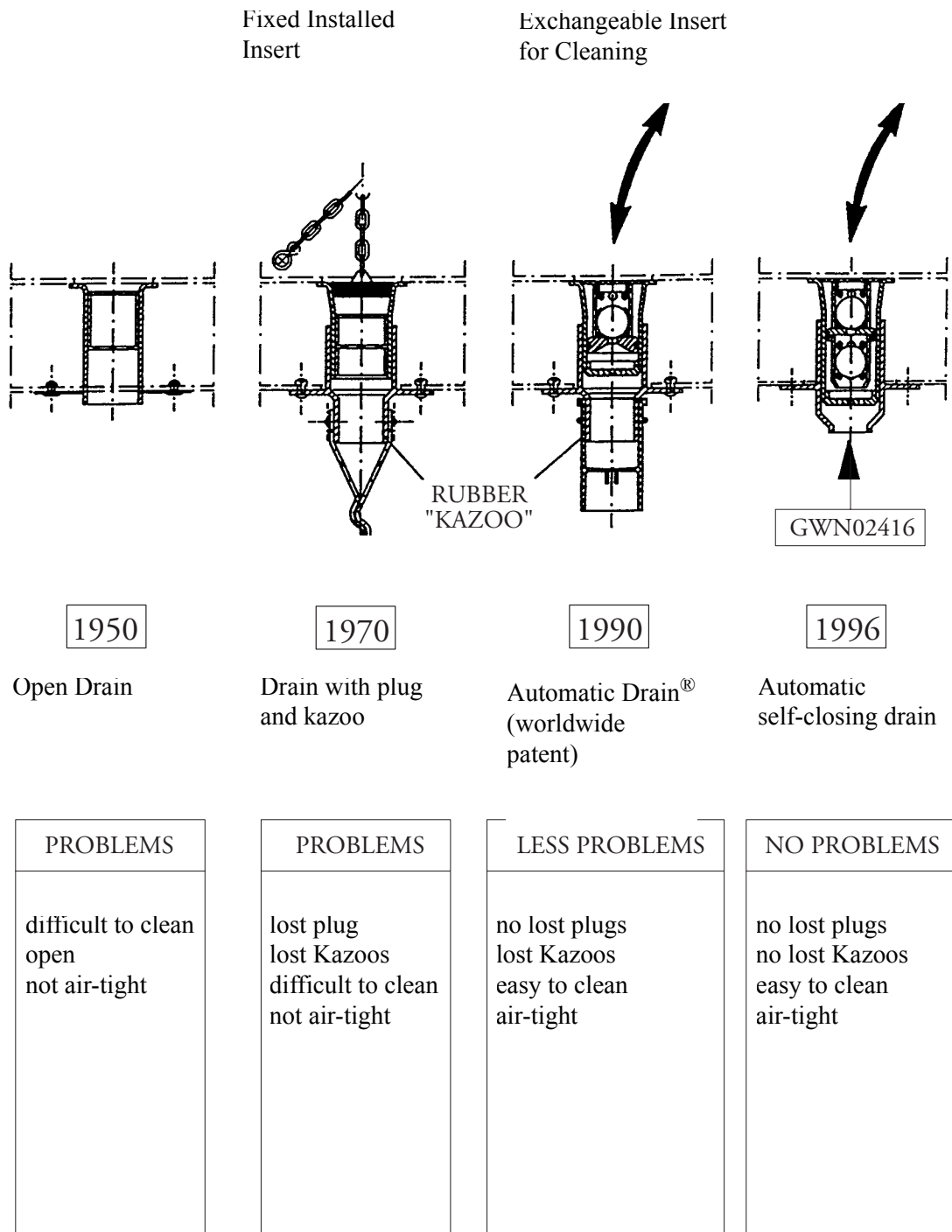
Martec Code	Dimensions				
	A	B	C	D	E
42VS334	33"	29"	3 3/4"	5/8"	43 Coils
42VS377 (383)	24"	19 1/2"	4"	5/8"	29 Coils
42VS442	30 1/2"	27 3/4"	3"	1/2"	48 Coils
42VS392	37 3/8"	34 1/4"	2 7/8"	1/2"	61 Coils
42VS662	37 1/4"	33 1/2"	2 3/4"	1/2"	63 Coils
42VS665	37"	32 1/2"	3 3/4"	3/4"	43 1/2 Coils
92PP001301	30 3/4"	29"	2 7/8"	5/8"	49 Coils

2.11 Miscellaneous Body Parts

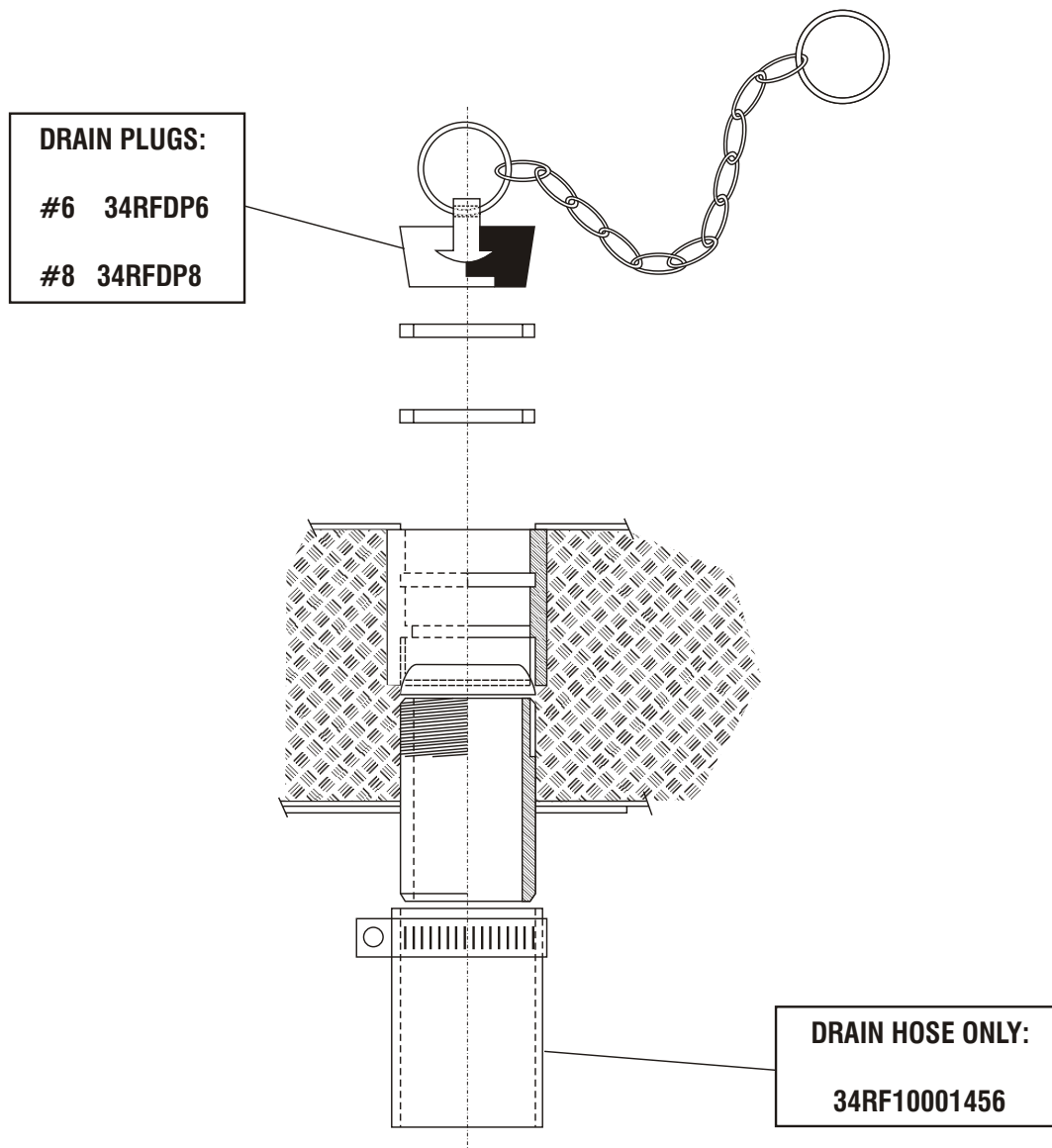
2.11.1: MISCELLANEOUS

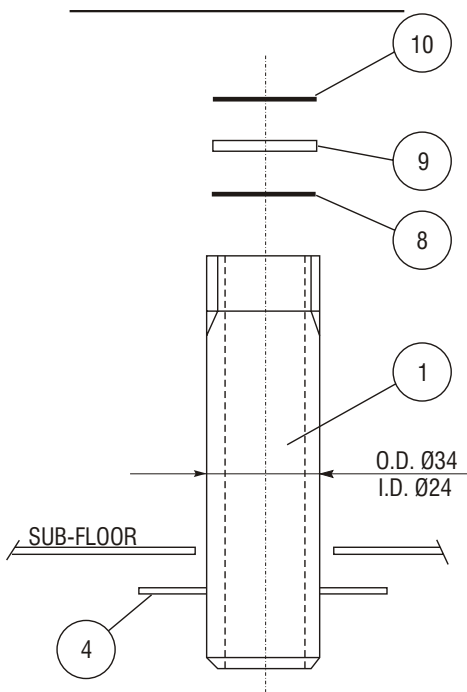


1. 73RFJACK Delamination Fastner
 A. Interior Lining Disc, Stainless, 1.5 mm (0.059")
 B. Exterior Sidewall Disc, Stainless, 1.5 mm (0.059")
 C. Nut, Galvanized, 30 mm (1.181")
 D. Plastic Rod, Threaded, 65/70/90 mm (2.56/2.76/3.54")



1. GWN02416 Evolution of a Drain

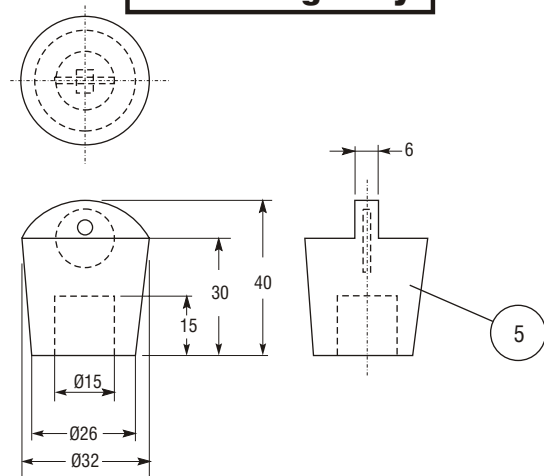




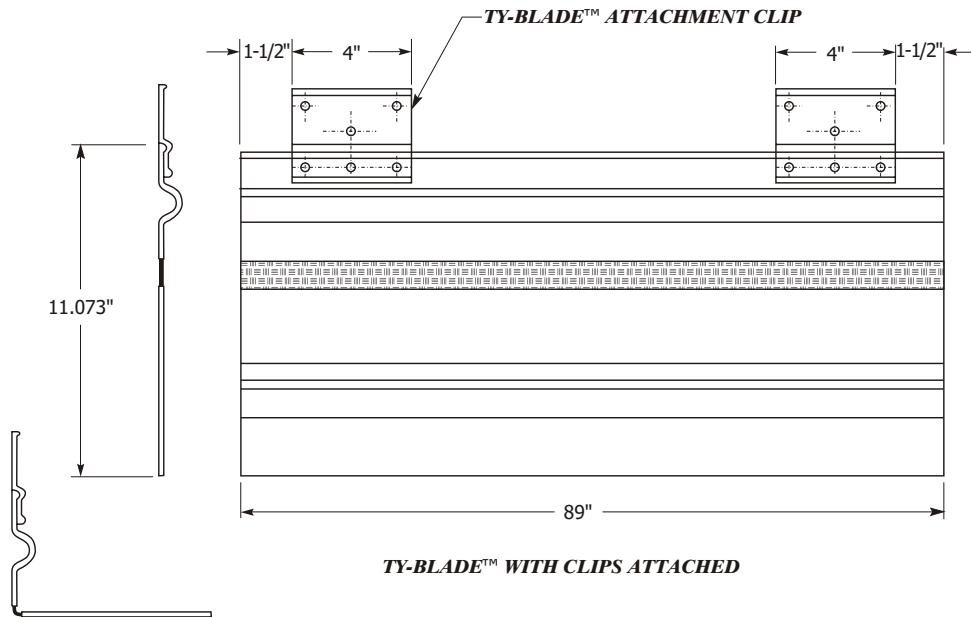
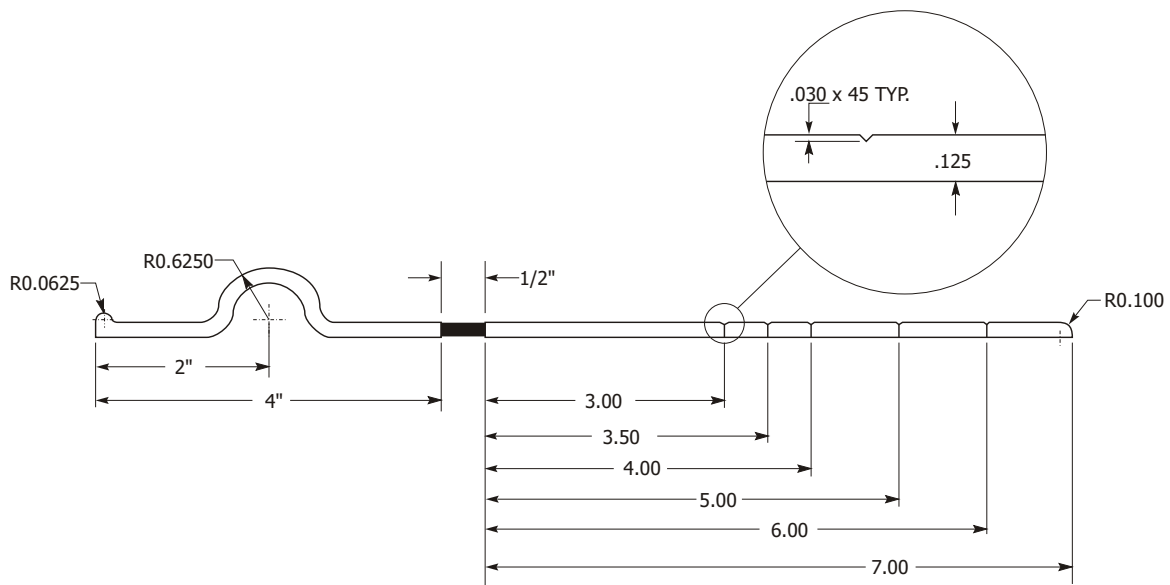
1. 40RF194820702 Drain Pipe

10	1948-034	Metal Plate
9	1948-067	Ring
8	1948-064	Mesh
4	1948-024-02	Drain Cover
5	40RF0948102	Fruehauf Drain Plug Assy.
1	1948-202	Drain Pipe

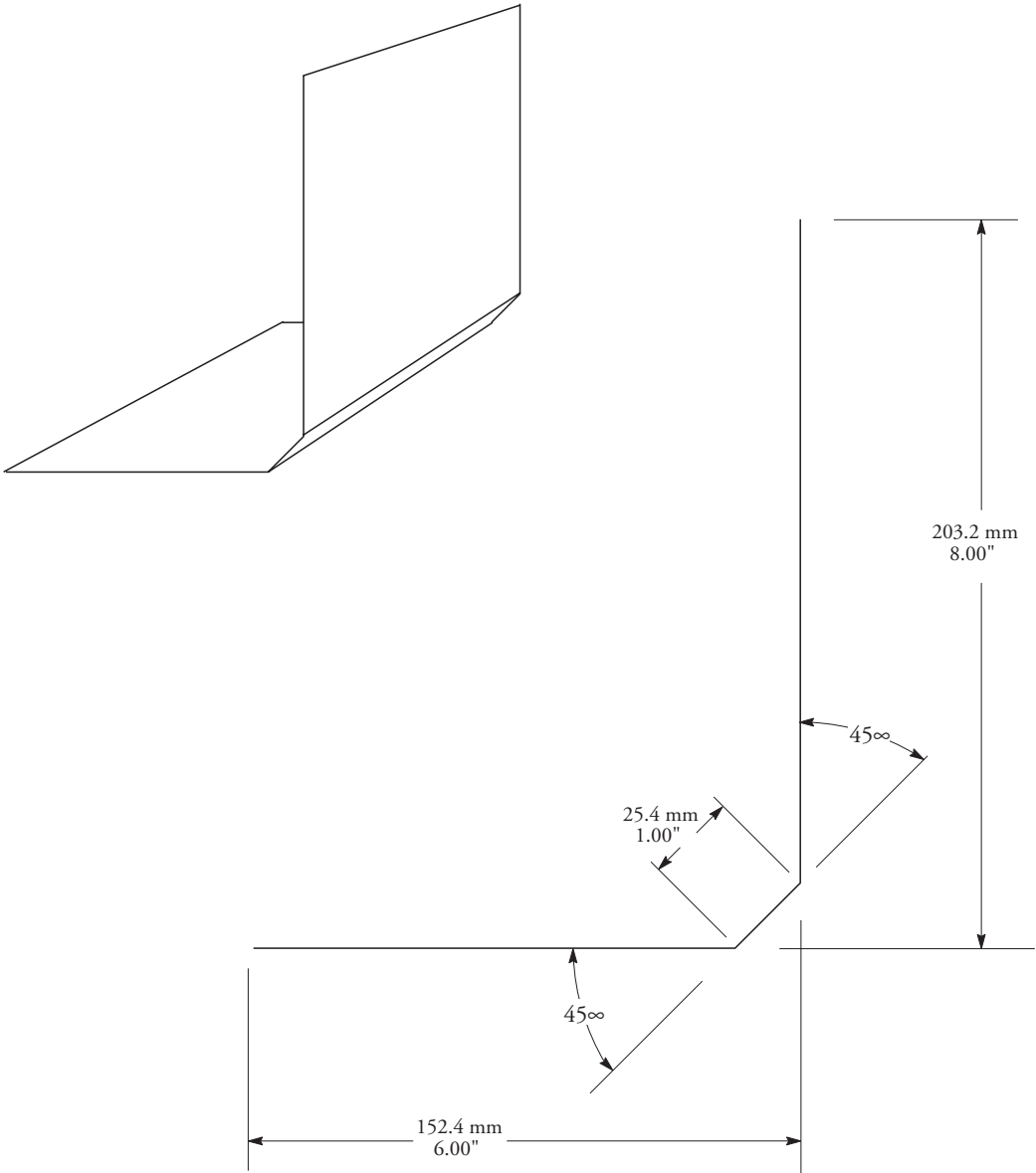
Drain Plug Assy.



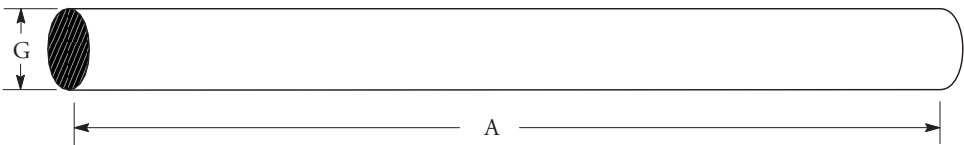
1. 40RF1948102 Drain Plug Assy.



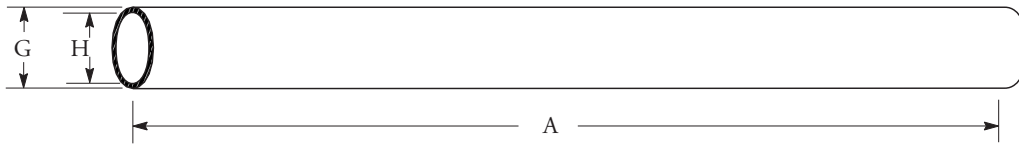
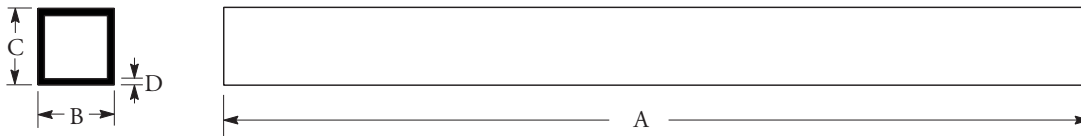
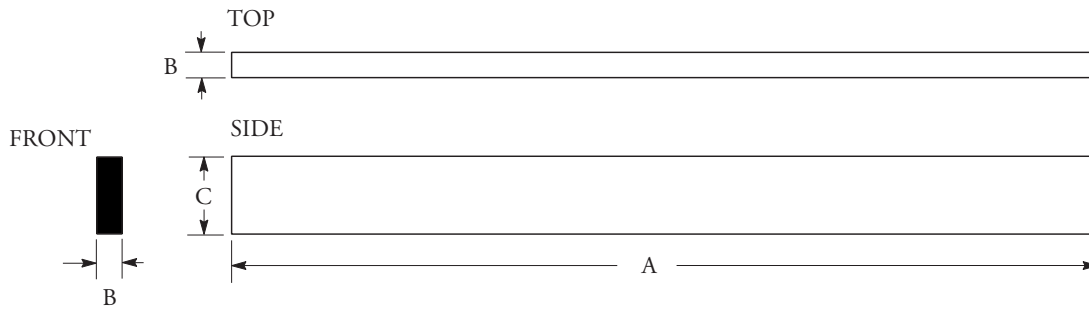
1. 73RFFNITB897 Ty-Blade



1. 53RFANG6X7AD Air Deflector
Length: 96" (2438.4 mm)
Thickness: 0.25" (6.35 mm) & 0.1875" (4.76 mm)
Material: Aluminum



1. Round Stock


1. Tubes

1. Square Tubes

1. Flat Bars

We stock a wide variety of all fabricated parts. Please do not hesitate to ask for any size.

3: Wheels, Drums & Components

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3.1 Spoke Wheel Assemblies



3.1.1: 3-SPOKE WHEEL & DRUM ASSEMBLIES

Part Number	Size	Bearing Cups		Wheel	Drum	Notes
		Inner	Outer			
See Section 9.2.1 3-spoke wheels						

3.1.2: 5-SPOKE WHEEL & DRUM ASSEMBLIES

Part Number	Size	Bearing Cups		Wheel	Drum	Notes
		Inner	Outer			
WEB85203GCA	20"	653	HM212011	WEB85203--A	WEB67518	Note 1
WEB75209GCA	20"	HM218210	HM212011	WEB75209--A	WEB67518	Note 1
DAY48-14018-051	20"	HM218210	HM212011	DAY47-14018-007	DAY03-122222-002	Note 2
DAY48-14018-569	20"	HM218210	HM212011	DAY47-14018-013	DAY03-122222-002	Note 3
WEB5580ZHCA	20"	HM518410	HM518410	WEB5580Z--A	WEB68730	Note 1
DAY48-09715-103	20"	HM518410	HM518410	47-08990-016	DAY03-122126-002	Note 3
DAY48-097151-26	20"	HM518410	HM518410	47-08990-016	DAY03-122126-002	Note 4
FRUACE5245-1	20"	HM518410	HM518410	FRUACC5226-900	DAY03-122126-002	Note 2
WEB75229GCA	22"	HM218210	HM212011	WEB75229--A	WEB67518	Note 1
DAY48-14068-051	22"	HM218210	HM212011	DAY47-14068-007	DAY03-122222-002	Note 3
WEB5582ZMCM	22"	HM518410	HM518410	WEB5582Z--A	WEB68730	Note 2
FRUACE5245-5	22"	HM518410	HM518410	FRUACC5226-902	DAY03-122126-002	Note 2

Note 1: Complete with cups, 4" corrugated channel spacers, clamps, nuts & studs

Note 2: Has cups, studs & nuts only

Note 3: Has cups, clamps, studs & nuts

Note 4: Has cups, clamps, studs & nuts—set up for ABS

3.1.3: 6-SPOKE WHEEL & DRUM ASSEMBLIES

Part Number	Size	Bearing Cups		Wheel	Drum	Notes
		Inner	Outer			
WEB5682ZHDAT	22"	HM518410	HM518410	56822--A	WEB68765	Note 1

Note 1: Cups, studs & nuts included.

Part number with a 3 digit prefix are stocking parts. All others may be special ordered.

3.2 Spoke Wheels



3.2.1: 3-SPOKE WHEELS

Part Number	Size	Bearing Cups		Uses Drums	Notes
		Inner	Outer		
DAY47-14054-002	15"	HM218210	HM212011	WEB# 63647 Dayton# 03-120882	Note 1

Note 1: Clips, studs & nuts included.

3.2.2: 5-SPOKE WHEELS

Part Number	Size	Bearing Cups		Uses Drums	Notes
		Inner	Outer		
WEB85203--A	20"	653	HM212011	WEB67518 DAY03-122222-002	Note 1
DAY47-07791-013	20"	653	HM212011	WEB67518 DAY03-122222-002	Note 2
DAY47-07841-008	22"	653	HM212011	WEB67518 DAY03-122222-002	Note 2
WEB75209--A	20"	HM218210	HM212011	WEB67518 DAY03-122222-002	Note 1
DAY47-14018-013	20"	HM218210	HM212011	WEB67518 DAY03-122222-002	Note 2
WEB75229--A	22"	HM218210	HM212011	WEB67518 DAY03-122222-002	Note 1
DAY47-14068-007	22"	HM218210	HM212011	WEB67518 DAY03-122222-002	Note 2
WEB5580Z--A	20"	HM518410	HM518410	WEB68730 DAY03-122126-002	Note 1
FRUACC5226-900	20"	HM518410	HM518410	WEB68730 DAY03-122126-002	Note 2
WEB5582Z--A	22"	HM518410	HM518410	WEB68730 DAY03-122126-002	Note 1
FRUACC5226-902	22"	HM518410	HM518410	WEB68730 DAY03-122126-002	Note 2

Note 1: Complete with cups, 4" corrugated spacer, clamps, studs & nuts.

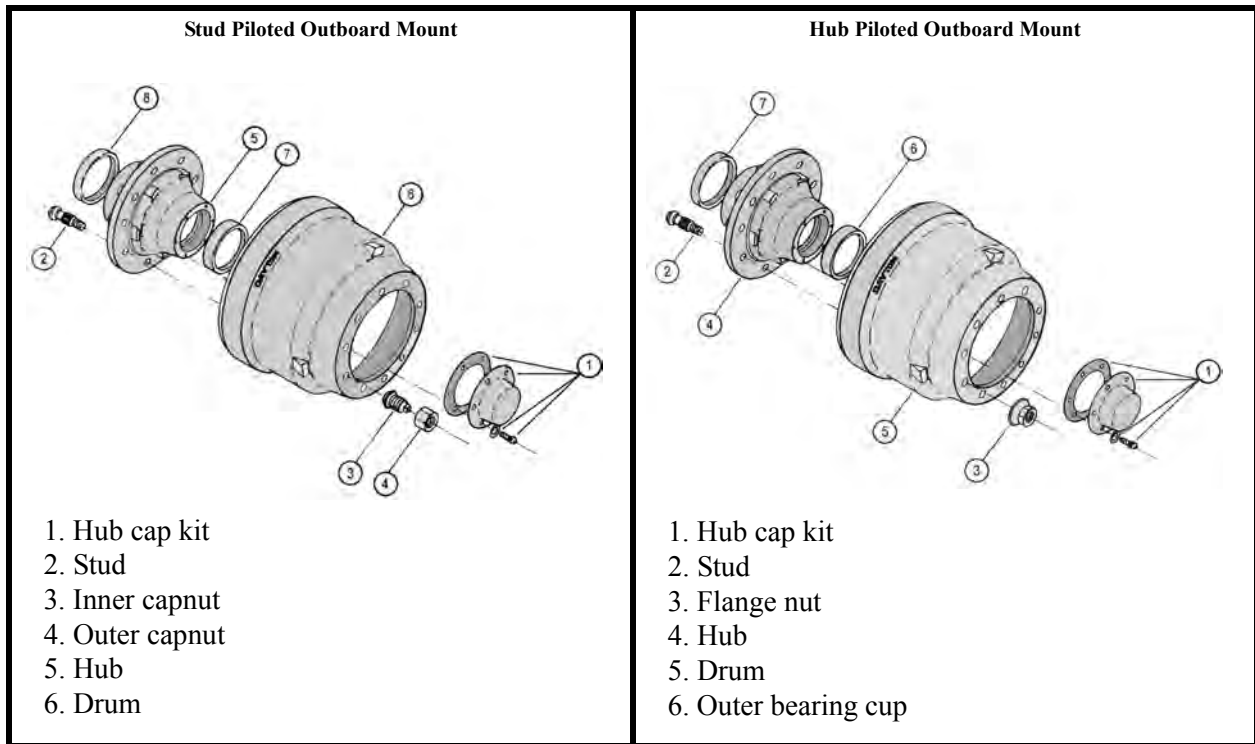
Note 2: Has cups, studs & nuts.

NOTE: Part numbers with a 3 digit prefix are stocking parts. All other parts may be special ordered.

3.3 Hub & Drum Assemblies



3.3.1: HUB & DRUM ASSEMBLY DIFFERENCE



Outboard Mount: Drum is easily accessible.
Do not need to remove hub to get to drum.

Inboard Mount: Refers to stud piloted style only.
Need to remove hub to get to drum.



3.3.2: STUD PILOTED HUB & DRUM ASSEMBLIES

Part Number	Style	Bearing Cups		Hub	Drum	Notes
		Inner	Outer			
14-15501-375	RH	HM218210	HM212011	DAY04-15501-005	03-123363-022	10 hole Outboard Mount
14-15501-376	LH					
FRUAVA0164-1B	RH	HM518410	HM518410	-----	DAY03-120877-002	10 hole Outboard Mount
FRUAVA0164-2B	LH					
MOT91498	RH	HM518410	HM518410	-----	-----	10 hole Outboard Mount
MOT91499	LH					
FRUACE8458-1	LH	HM518410	HM518410	-----	-----	10 hole Inboard Mount
FRUACE8458-2	RH					

3.3.3: HUB PILOTED HUB & DRUM ASSEMBLIES

Part Number	Style	Bearing Cups		Hub	Drum	Notes
		Inner	Outer			
DAY14-15501-352	10 hole ABS	HM218210	HM212011	-----	16-1/2" x 7" DAY03-123207-002	Outboard Mount
DAY14-15571-114	10 hole ABS	HM218210	HM212011	-----	-----	Outboard Mount
WEB20231UQ3T	10 hole ABS	HM218210	HM212011	WEB20231--3	16-1/2" x 7" WEB66864	ABS Outboard Mount
DAY14-15501-353	10 hole ABS	HM218210	HM212011	-----	16-1/2" x 7" DAY03-123207-002	Outboard Mount long studs*
FRUACF9740-3B	10 hole ABS	HM218210	HM212011	-----	-----	Outboard Mount long studs*
MTR10900304	10 hole	HM218210	HM212011	-----	-----	Outboard Mount
WEB20231UQ3	10 hole	HM218210	HM212011	WEB20231--3	16-1/2" x 7" WEB66864	Outboard Mount
WEB20271CW3T	8 hole ABS	HM218210	HM212011	20271--0	12-1/4" x 8" 63680	Outboard Mount
WEB20271CW5T	8 hole ABS	HM218210	HM212011	20271--0	-----	Outboard Mount long studs*
WEB20271CW3	8 hole	HM218210	HM212011	20271--0	12-1/4" x 8" 63680	Outboard Mount
WEB20271CW5	8 hole	HM218210	HM212011	20271--0	-----	Outboard Mount long studs*
WEB23231UQ3	10 hole ABS	HM518410	HM518410	2323-0	16-1/2" x 7" WEB66884F	Outboard Mount
DAY14-15593-081	10 hole RH w/sensor	HM518410	HM518410	-----	-----	Outboard Mount
DAY14-15593-082	10 hole LH w/sensor	HM518410	HM518410	-----	-----	Outboard Mount
MTR35770728	10 hole	HM518410	HM518410	-----	-----	Outboard Mount
FRUAVA0163-1B	10 hole	HM518410	HM518410	-----	16-1/2" x 7" DAY03-123365-002	Outboard Mount

*Long studs used to mount aluminum wheels.

3.4 Hubs

3.4.1: STUD PILOTED HUBS

Part Number	Style	Bearing Cups		Uses Drum	Notes
		Inner	Outer		
DAY04-09747-003	10 hole	653	HM212011	16-1/2" x 7" DAY03-012582-002	Inboard Mount no studs
WEB1221	10 hole	653	HM212011	16-1/2" x 7" WEB62200 16-1/2" x 8-5/8" WEB68891	Inboard Mount no studs or cups
WEB12213--MR	10 hole RH	653	HM212011	16-1/2" x 7" WEB62200 16-1/2" x 8-5/8" WEB68891	Inboard Mount with studs
WEB12213--ML	10 hole LH	653	HM212011		
DAY04-14059-001	10 hole	HM218210	HM212011	16-1/2" x 7" DAY03-012582-002 16-1/2" x 8-5/8" 03-120882-002	Inboard Mount no studs
WEB10209--N	10 hole	HM218210	HM212011	16-1/2" x 7" WEB66864 16-1/2" x 8-5/8" WEB68891	Inboard Mount no studs
20231--0	10 hole	HM218210	HM212011	16-1/2" x 7" WEB66864 16-1/2" x 8-5/8" WEB68891	Outboard Mount no studs
WEB20231--N	10 hole	HM218210	HM212011	16-1/2" x 7" WEB66864 16-1/2" x 8-5/8" WEB66814	Outboard Mount no studs
WEB1001	10 hole	HM218210	HM212011	16-1/2" x 7" WEB62200 16-1/2" x 8-5/8" WEB68891	Inboard Mount no studs or cups
WEB10019--MR	10 hole RH	HM218210	HM212011	16-1/2" x 7" 63300 16-1/2" x 8-5/8" WEB68891	Inboard Mount with studs
WEB10019--ML	10 hole LH	HM218210	HM212011		
WEB20231--MR	10 hole RH	HM218210	HM212011	16-1/2" x 7" WEB66864 16-1/2" x 8-5/8" WEB66814	Outboard Mount with studs
WEB20231--ML	10 hole LH	HM218210	HM212011		
DAY04-14802-001	10 hole RH	HM218210	HM212011	16-1/2" x 7" DAY03-122607-002	Outboard Mount with studs
DAY04-14802-002	10 hole LH	HM218210	HM212011		
FRUACC5227-1	10 hole	HM518410	HM518410	-----	Inboard Mount no studs
DAY04-14131-001	10 hole	HM518410	HM518410	16-1/2" x 7" DAY03-120877-002	Outboard Mount no studs
WEB1331	10 hole	HM518410	HM518410	16-1/2" x 7" WEB68730 16-1/2" x 8-5/8" 68927	Inboard Mount no studs or cups
DAY04-09179-038	10 hole RH	HM518410	HM518410	15" x 7" 120299 16-1/2" x 7" DAY03-122126-002 16-1/2" x 8-5/8" DAY03-120376-002	Inboard Mount with studs
DAY04-09179-039	10 hole LH	HM518410	HM518410		
DAY04-14131-006	10 hole RH	HM518410	HM518410	16-1/2" x 7" DAY03-120877-002	Outboard Mount with studs
DAY04-14131-007	10 hole LH	HM518410	HM518410		

NOTE: Part numbers with a 3 digit prefix are stocking parts. All other parts may be special ordered.

3.4.2: HUB PILOTED HUBS & ACCESSORIES



Part Number	Style	Bearing Cups		Uses Drum	Notes
		Inner	Outer		
CMT105775	10 hole Alum. ABS	HM218210	HM212011	-----	Outboard Mount with studs
WEN10-00011-101	10 hole ABS	HM218210	HM212011	-----	Outboard Mount with studs
DAY04-15501-005	10 hole	HM218210	HM212011	16-1/2" x 7" DAY03-123365-002	Outboard Mount with studs
WEB20231--3	10 hole	HM218210	HM212011	16-1/2" x 7" WEB66864 16-1/2 x 8-5/8" WEB66814	Outboard Mount with studs
DAY04-15501-001	10 hole	HM218210	HM212011	16-1/2" x 7" DAY03-123365-002	Outboard Mount no studs
WEB20281--3	8 hole	HM218210	HM212011	15" x 7" 61576F 16'2" x 7" WEB66875F 16'2" x 8-5/8" 66816F	Outboard Mount with studs
CMT106229	10 hole Alum. ABS	HM518410	HM518410	-----	Outboard Mount long studs*
DAY04-15656-018	10 hole ABS	HM518410	HM518410	-----	Outboard Mount long studs*
DAY04-15656-002	10 hole ABS	HM518410	HM518410	-----	Outboard Mount no studs
CMT101265	10 Hole Alum.	HM518410	HM518410	-----	Outboard Mount long studs* thread hubcap
CMT101781	10 Hole	HM518410	HM518410	-----	OutboardMount with studs thread hubcap
CMT106226	10 hole Alum.	HM518410	HM518410	-----	Outboard Mount long studs*
DAY04-15502-001	10 hole	HM518410	HM518410	16-1/2" x 7" DAY03-123365-002	Outboard Mount no studs
CMT106275**	10 hole Alum. ABS	NP593561	NP174964	-----	Outboard Mount with studs

*Long studs used to mount aluminum wheels.

** denotes Preset Premium hub



1. CMT105459

Tone ring

3.5 Brake Drums

3.5.1: DISC WHEEL BRAKE DRUMS & CROSSOVER



Drums with a 3 letter prefix are stocking parts

MOTOR WHEEL

Brake Size	Dayton Number	Webb Number	Motor Wheel Number ¹	Gunit Number	Dayton X-30 Number ²	Reyco Number
16-1/2" x 7"	DAY03-012582-002	WEB62200	MOT87407B	2705	-----	-----
16-1/2" x 7"	DAY03-120877-002*	WEB60876	-----	3120	-----	52877-11
16-1/2" x 7"	DAY03-122126-002	67415	MOT87415B	3018A	-----	-----
16-1/2" x 7"	DAY03-122607-002	WEB66893F	MOT87101B	3166	DAY53-123564-002	53026-01
16-1/2" x 7"	DAY85-123207-002	WEB66884	MOT89996B	3600A	-----	-----
16-1/2" x 7"	-----	66875	MOT88797B	3141B	DAY53-123566-002	-----
16-1/2" x 7"	DAY03-123365-002	-----	-----	3401	-----	-----
16-1/2" x 7"	03-123022-002	66873	MOT89877B	3402	-----	-----
16-1/2" x 8-5/8"	DAY03-120376-002	68927	88085	3168	-----	51971-11
16-1/2" x 8-5/8"	03-120882-002	WEB68891	86302	3174	-----	52219-01
16-1/2" x 8-5/8"	DAY03-122513-002	WEB66817	-----	-----	-----	-----
16-1/2" x 8-5/8"	-----	69571B	MOT89571B	-----	-----	-----
16-1/2" x 8-5/8"	-----	66811	MOT89467B	-----	-----	-----
15" x 7"	-----	61571	MOT87128B	3219	-----	-----
15" x 7"	03-123466-002	WEB61988	-----	-----	-----	-----

*Replaces Trailmobile 7-4-264

1.)Centrifuse Drum

2.)Steelite X-30 Drums

3.5.2: SPOKE WHEEL BRAKE DRUMS & CROSSOVER



Drums with a 3 letter prefix are stocking parts

MOTOR WHEEL

Brake Size	Dayton Number	Webb Number	Motor Wheel Number ¹	Gunit Number	Dayton X-30 Number ²	Reyco Number
16-1/2" x 7"	DAY03-120574-002*	WEB62240	-----	2974	-----	52034-01
16-1/2" x 7"	DAY03-120586-002	WEB68765	86356	2546C	-----	52327-11
16-1/2" x 7"	DAY03-122126-002	WEB68730	85130	3018A	-----	52327-10
16-1/2" x 7"	DAY03-122222-002	WEB67518	86141	2983C	-----	52230-10
16-1/2" x 7"	DAY03-123430-002	-----	-----	2997	-----	-----
12-1/4" x 7-1/2"	03-122963-002	WEB63617	-----	3174	-----	-----
12-1/4" x 7-1/2"	DAY03-122971-002	WEB63637	-----	3467	-----	-----
12-1/4" x 8"	03-122924-002	63650	-----	-----	-----	-----
12-1/4" x 8"	-----	WEB63634F	-----	-----	-----	-----
15" x 4"	03-122104-002	65514B	-----	3051A	-----	-----
15" x 4"	DAY03-122964-002	-----	-----	-----	-----	-----
15" x 4"	-----	67945B	MOT87945B	-----	-----	-----
15" x 4"	-----	66543	MOT88870BK	-----	-----	-----

*Replaces Trailmobile 7-4-240

1.)Centrifuse Drum

2.)Steelite X-30 Drums

3.5.3: TRACTOR DRUM APPLICATIONS & CROSSOVERS



MOTOR WHEEL

Drums with a 3 letter prefix are stocking parts

Brake Size	Dayton Number	Webb Number	Motor Wheel Number ¹	Gunit Number	Dayton X-30 Number ²	Reyco Number
16-1/2" x 7"	03-120754-002	61708	87435	2517A	-----	51961-10
16-1/2" x 7"	DAY03-122009-002	WEB62997	-----	2997	-----	52890-11
16-1/2" x 7"	DAY03-122453-002	WEB66892	MOT87295B	3543	-----	52878-01
16-1/2" x 7"	DAY03-122455-002	68942	85790	3136A	-----	52647-11
16-1/2" x 7"	DAY03-122550-002	WEB66895B	MOT87156B	3141	DAY53-123565-002	52705-30
16-1/2" X 7"	DAY03-122600-002	68897	-----	8656	-----	51952-01
16-1/2" X 7"	DAY03-122603-002	68760	-----	2672	-----	-----
16-1/2" X 7"	DAY03-122683-002	68981	-----	3295A	-----	-----
16-1/2" X 7"	-----	WEB66865B	-----	-----	-----	-----
16-1/2" X 7"	-----	WEB66875	-----	-----	-----	-----
16-1/2" X 7"	DAY03-123365-002	WEB66864	-----	-----	-----	-----
16-1/2" X 8-5/8"	DAY03-122284-002	-----	87405	3295A	-----	51971-31
16-1/2" X 8-5/8"	DAY03-122513-002	66817	-----	-----	-----	-----
16-1/2" X 8-5/8"	DAY03-123406-002	-----	-----	-----	-----	-----
16-1/2" X 8-5/8"	03-123428-002	WEB66814	-----	-----	-----	-----
15" X 4"	DAY03-122575-002	64414	-----	3244	-----	53030-01
15" X 4"	DAY13-123254-002	-----	-----	-----	-----	-----
15" X 4"	DAY13-122506-002	-----	-----	-----	-----	-----

1.)Centrifuse Drum

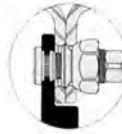
2.)Steelite X-30 Drums

NOTE: Part numbers with a 3 digit prefix are stocking parts. All other parts may be special ordered.

3.6 Steel Disc Wheels

3.6.1: STUD PILOTED STEEL DISC WHEELS

ALSO REFERRED TO AS BALL SEAT MOUNT

ACCURIDE
CORPORATION

MOTOR WHEEL

3.6.1.1: STUD PILOTED TUBELESS 15° STEEL DISC WHEELS

Size	Accuride Number	Motor Wheel Number	Color	Mounting Holes	Hand Holes	Notes
17.5" x 6.00"	ACC28145PG	-----	Gray	6	2	Extra Service
17.5" x 6.50"	ACC28112PG	-----	Gray	10	2	Extra Service
17.5" x 8.25"	ACC28324PG	-----	Gray	10	2	Extra Service
22.5" x 7.50"	ACC27403PG	-----	Gray	10	2	Extra Service
22.5" x 8.25"	ACC27404PG	MOT87905G	Gray	10	2	Extra Service
22.5" x 8.25"	ACC27404PW	MOT87905E	White	10	2	Extra Service
22.5" x 8.25"	ACC27833CPW	-----	White	10	5	Extra Service
22.5" x 8.25"	ACC28549PG	-----	Gray	10	2	Heavy Load
22.5" x 9.00"	ACC28510PG	-----	Gray	10	2	Heavy Load
22.5" x 9.00"	ACC28510PW	-----	White	10	2	Heavy Load
24.5" x 8.25"	ACC27406PG	MOT87897G	Gray	10	2	Extra Service
24.5" x 8.25"	ACC27406PW	MOT87897E	White	10	2	Extra Service
24.5" x 8.25"	ACC28410PG	-----	Gray	10	2	Heavy Load
24.5" x 8.25"	ACC28410PW	-----	White	10	2	Heavy Load

3.6.1.2: STUD PILOTED TUBE TYPE 5° STEEL DISC WHEELS

Size	Accuride Number	Motor Wheel Number	Color	Mounting Holes	Hand Holes	Notes
20" x 8.00"	ACC25668-3	-----	Gray	10	5	-----

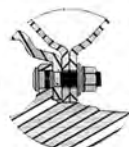
3.6.1.3: STUD PILOTED DUPLEX STEEL DISC WHEELS

Size	Accuride Number	Motor Wheel Number	Color	Mounting Holes	Hand Holes	Notes
22.5" x 12.25"	ACC28132	-----	Gray	10	2	-----
22.5" x 12.25"	ACC29218PG	-----	Gray	10	5	-----
22.5" x 13.00"	ACC28169PG	-----	Gray	10	2	-----

3.6.2: HUB PILOTED STEEL DISC WHEELS

ALSO REFERRED TO AS UNI-MOUNT

ACCURIDE
CORPORATION



MOTOR WHEEL

3.6.2.1: HUB PILOTED TUBELESS STEEL DISC WHEELS

Size	Accuride Number	Motor Wheel Number	Color	Mounting Holes	Hand Holes	Notes
17.5" x 6.75"	ACC28656PG	-----	Gray	8	4	Extra Service
17.5" x 6.75"	ACC28656PW	-----	White	8	4	Extra Service
19.5" x 7.50"	ACC29195PW	-----	Gray	10	5	Extra Service
22.5" x 8.25"	-----	MOT88884G	Gray	8	4	Extra Service
22.5" x 8.25"	ACC28484PW	MOT88884E	White	8	4	Extra Service
22.5" x 8.25"	ACC28408PG	-----	Gray	10	2	Extra Service
22.5" x 8.25"	ACC28408PW	-----	White	10	2	Extra Service
22.5" x 8.25"	-----	MOT90541E	White	10	4	Extra Service
22.5" x 8.25"	ACC28487PW	-----	White	10	5	Extra Service
22.5" x 8.25"	ACC29001PG	-----	Gray	10	5	Extra Service
24.5" x 8.25"	-----	MOT88790E	White	8	4	Extra Service
24.5" x 8.25"	ACC28409PG	-----	Gray	10	2	Extra Service
24.5" x 8.25"	ACC28409PW	-----	White	10	2	Extra Service
24.5" x 8.25"	-----	MOT90542E	White	10	4	Extra Service
24.5" x 8.25"	ACC28827PW	-----	White	10	2	Heavy Duty

3.7 Steel Demountable Rims

3.7.1: STEEL TUBELESS DEMOUNTABLE RIMS

ACCURIDE
CORPORATION

MOTOR  **WHEEL**

Size	Accuride Number	Motor Wheel Number	Color	Rim Offset	Maximum Load (lbs.)
17.5" x 6.75"	ACC31868175PG	-----	Gray	3.90"	4805 lbs.
17.5" x 8.25"	ACC31814175PG	-----	Gray	4.75"	6040 lbs.
22.5" x 7.5"	ACC30371225PG	-----	Gray	4.26"	6610 lbs.
22.5" x 7.5"	ACC30371225PW	-----	White	4.26"	6610 lbs.
22.5" x 8.25"	ACC30391225PG	MOT825225DVLG	Gray	4.75"	7300 lbs.
22.5" x 8.25"	ACC30391225PW	MOT825225DVLG	White	4.75"	7300 lbs.
22.5" x 8.25"	ACC32051PG	-----	Gray	4.75"	8,000 lbs.
24.5" x 8.25"	ACC30391245PG	MOT825245DVLG	Gray	4.75"	7300 lbs.
24.5" x 8.25"	ACC30391245PW	MOT825245DVLG	White	4.75"	7300 lbs.
22.5" x 9.00"	ACC32052PG	-----	Gray	5.00"	10,000 lbs.
22.5" x 9.00"	ACC32052PW	-----	White	5.00"	10,000 lbs.
22.5" x 12.25"	ACC31658PG	-----	Gray	0.38"	10,500 lbs.
22.5" x 12.25"	ACC31677PG	-----	-----	4.00"	9,270 lbs.

3.7.2: STEEL TUBE TYPE 3-PIECE DEMOUNTABLE RIMS

Size	Accuride Number	Color	Side Ring	Lock Ring	Maximum Load (lbs.)
20" x 7.0"	ACC240-5-1	Gray	-----	LR240-5	5430 lbs.
20" x 8.0"	ACC275-5-1	Gray	262D5SR	240D5LR	7600 lbs.
22" x 8.0"	ACC276-5-1	Gray	263D5SR	241D5LR	7600 lbs.
24" x 8.0"	ACC277-5-1	Gray	264D5SR	242D5LR	7600 lbs.
24" x 8.5"	ACC313-5-1	Gray	313D5SR	313D5LR	8900 lbs.

3.7.3: STEEL TUBE TYPE 2-PIECE DEMOUNTABLE RIMS

Size	Accuride Number	Color	Side Ring	Lock Ring	Maximum Load (lbs.)
20" x 7.5"	ACC262-FL2-1	Gray	ACC262FLSRPG	-----	5430 lbs.

3.8 Spacer Bands

3.8.1: STEEL SMOOTH SPACER BANDS

Size	Part Number	Figure
15" x 3-3/8"	LSASB3315K	
15" x 4"	LSASB4015K	
20" x 3-3/8"	LSASB3320K	
20" x 3-5/8"	LSASB3520K	
20" x 4"	LSASB4020K	
20" x 4-1/4"	LSASB4220K	
20" x 4-1/2"	LSASB4420K	
22" x 3-3/8"	LSASB3322K	
22" x 3-5/8"	LSASB3522K	
22" x 4"	LSASB4022K	
22" x 4-1/4"	LSASB4222K	
22" x 4-1/2"	LSASB4422K	
24" x 4"	LSASB4024K	

3.8.2: STEEL CORRUGATED SPACER BAND

Size	Part Number	Figure
20" x 3-5/8"	ACC14F144SBPG	
20" x 4"	ACC14F146SBPG	

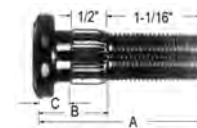
3.9 Wheel Studs & Nuts

3.9.1: SERRATED WHEEL STUDS

Part Number	Type	A	B	C	D	Figure
DAY09-001910*	RH	2-5/8"	31/32"	1/8"	3/8"	Grade 8  3/4"—16 thread .783/.786 Body Diameter
DAY09-001911*	LH					
EUCE-5756-R	RH	3-3/8"	2"	9/16"	5/16"	
EUCE-5756-L	LH					
EUCE-5757-R	RH	3-5/8"	2-14"	9/16"	5/16"	
EUCE-5757-L	LH					
EUCE-5765-R	RH	3-3/8"	2"	3/8"	3/16"	
EUCE-5765-L	LH					
EUCE-5766-R	RH	3-7/8"	2-1/2"	9/16"	5/16"	
EUCE-5766-L	LH					
BWPM-1176**	RH	3-1/4"	7/8"	7/32"	-----	
BWPM-1177**	LH					

* .890 Body Diameter

** .900 Body Diameter

Part Number	Type	A	B	C	Figure
EUCE-4966-R	RH	2-5/8"	1-1/4"	5/16"	Grade 8  3/4"—16 thread .783/.786 Body Diameter
EUCE-4966-L	LH				
EUCE-4968-R	RH	2-7/8"	1-1/2"	1/2"	
EUCE-4968-L	LH				
EUCE-4969-R	RH	3-1/8"	1-3/4"	9/16"	
EUCE-4969-L	LH				

Part Number	Body Diameter	A	B	C	D	Figure
DAY09-861901	A=.770"/.773"	2-7/8"	1-1/2"	1-3/16"	1/2"	
DAY09-861902	B=.770"/.773"					
DAY09-001326	A=.777"/.780"	3-27/32"	2-11/32"	1-9/32"	1/2"	
DAY09-001327	B=.783"/.786"					

3.9.2: METRIC CLIPPED HEAD STUDS

Part Number	Thread	A	B	C	Figure
EUCE-5994	.980"/.983"	3-1/4"	43/64"	2-1/2"	Grade 10.9*  M22 x 1.5 thread
EUCE-6001A	.908"/.912"	4-31/32"	1-19/64"	3-1/4"	
EUCE-6029	.908"/.912"	4-3/8"	1-19/64"	2-1/2"	
EUCE-6030	.908"/.912"	5-1/4"	1-19/64"	3-11/32"	
*Metric equivalent to Grade 8					

3.9.3: STUDS FOR SPOKE WHEELS

Part Number	Thread	A	B	C	Figure
EUCE-4958	5/8"—11	2-3/4"	7/8"	1-11/16"	Grade 8 
MWP7530	3/4"—10	2-7/8"	1"	1-11/16"	

3.10 Inner Cap Nuts for Mounting Dual Wheels

3.10.1: INNER CAP NUTS FOR MOUNTING STUD PILOTED DUAL STEEL WHEELS

Part Number	Type	Outer Thread	Inner Thread	Length	Figure
MWP10708**	RH	1-1/8"—16	3/4"—16	2-7/32"	
MWP10708Z*					
MWP10709**	LH	1-1/8"—16	3/4"—16	2-7/32"	
MWP10709Z*					
NUT35100031	RH	1-1/8"—16	3/4"—16	2-7/32"	
NUT35100033	LH				

*denotes clear finish **denotes yellow finish

3.11 Outer Cap Nuts for Mounting Stud Piloted Disc Wheels

3.11.1: OUTER CAP NUTS FOR MOUNTING STUD PILOTED DUAL STEEL OR ALUMINUM WHEELS

Part Number	Type	Thread	Hex	Height	Figure	
MWP37891**	RH	1-1/8"—16	1-1/2"	7/8"		
MWP37891Z*	RH					
MWP37892**	LH	1-1/8"—16	1-1/2"	7/8"		
NUT35100032	RH	1-1/8"—16	1-1/2"	7/8"		
NUT35100034	LH					

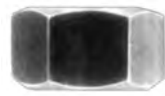
*denotes clear finish **denotes yellow finish

3.12 Miscellaneous Wheel Nuts & Clamps

3.12.1: METRIC NUTS

Part Number	Thread	Hex	Height	Figure
MWP888	M22 x 1.5	38 mm (1-1/2")	28.5 mm (1-1/8")	
MWP2156	M22 x 1.5	33 mm (1-5/16")	31 mm (1-7/32")	
DAY08-205578	M22 x 1.5	33 mm (1-5/16")	31 mm (1-7/32")	

3.12.2: RIM NUTS FOR SPOKE WHEELS

Part Number	Thread	Hex	Description	Figure
EUCE-4962	5/8"—11	1-1/16"	Flat Face 2 Sides	
MWP40	3/4"—10	1-1/4"		
MWP75	3/4"—10	1-1/4"		

3.12.3: BACK NUTS

Part Number	Thread	Hex	Height	Figure
NUT5-30A	3/4"—16	1-1/8"	21/32"	
NUT5-32A	7/8"—14	1-1/4"	49/64"	

3.12.4: RIM CLAMPS

Part Number	A	B	C	D	Spacer Width	Figure
FRUACE9120-1	1-3/4"	2-7/8"	3/4"	3-3/8"	3-3/8"	
MWP612						
FRUACE9121-1	1-1/8"	2-7/8"	2-1/2"	3/4"	4"	
MWP608						

3.13 Valve Stems & Accessories

3.13.1: TUBELESS VALVE STEMS FOR STEEL WHEELS

Straight Clamp-in Valve, for use in one piece stud drop center rims and wheels with 5/8" diameter side mount holes. Complete with all fittings, valve caps and valve core.

Part Number	Haltec Part Number	TR Number	Effective Length	Figure
SCH501-10	HALTV501	501	1-1/2"	
SCH570	-----	570	3-1/8"	
SCH571	HALTV571	571	3-3/8"	
SCH572	HALTV572	572	3-3/4"	
SCH573	HALTV573	573	4-3/8"	
SCH574-100	-----	574	5"	

3.13.2: TUBELESS VALVE STEM FOR ALUMINUM WHEELS 9.7CM VALVE HOLE

Tubeless Single Bend Clamp-in Valve, for use with 9.7cm (.328") rim hole in aluminum disc wheels. Complete with all fittings, valve cap and valve stem.

Part Number	Haltec Part Number	TR Number	Bend	Effective Length	Figure
SCH545D	HALTV545D	543D	60°	2.31"	
SCH543E	-----	543E	75°	2.31"	

3.13.3: MISCELLANEOUS VALVE STEM PARTS

Valve Cores	Metal Valves	Metal Double Seal Cap	O-Rings
 - SCH5405V Commercial Application - SCH8500TV/8500-167 General purpose - HALVC-1 General purpose	 - SCH7572V Nickel-plated - SCH7572B Black finish	 HALDS-1 allows for inflation w/out removing cap	 SCH543-3 TR540 series
Grommets			
 - SCH509-3 TR509/TR510 series - SCH595-3/595-0025 TR570 series			

3.13.4: SCHRADER VALVE ACCESSORIES

Tire Valve Repair Tool		Metal Valve Extension		Tire Tread Depth Guide	
					
1. SCH3522/3522-003	4-1 Tool	1. SCH7382 2. SCH7383	5-1/16" Length 6-1/16"	1. SCH599	

Dual Foot Truck Tire Gauges,
hang up ring 6" extension calibrated from
10-130 P.S.I. in 2 lb. increments.

			
1. SCH1250A-D 2. SCH1250A	12" Straight dual-foot in blister pack 12" Straight dual-foot	1. SCH7188-7102	Straight

3.13.5: DUAL TIRE PRESSURE EQUALIZER

Air flows freely between dual tires to maintain
equal inflation:

- *Increases fuel mileage
- *Improves traction
- *Decreases tire maintenance & downtime
- *No valve core removal necessary
- *Extends tread life
- *Reduces risk of blow-outs



1. SCH1125	Visualizer II
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4.1 Dana/Eaton Axles

4.1.1: DANA/EATON AXLES



Picture for reference only

Part Number	Track Length	Bearing Combination*	28 Spline Cam Length	Brake Size	Slack Adjuster	Air Chambers	ABS	Notes
DAND22AX5031314	71-1/2"	Standard	20-5/8"	16-1/2" x 7"	No	No	Yes	
DAND22AX603-1275	71-1/2"	Standard	23-3/4"	16-1/2" x 7"	No	No	No	
DAND22AX501A1368	71-1/2"	Standard	23-3/4"	16-1/2" x 7"	Manual	30/30	Yes	Note 1
D22AX503370	77-1/2"	Standard	20-5/8"	16-1/2" x 8-5/8"	No	No	No	
EATEST225P-315667	77-1/2"	Pro-Par	23-3/8"	16-1/2" x 7"	No	No	No	
D22AX501A1364	80"	Standard	23-3/8"	12-1/4" x 7"	Auto	30	No	Note 1

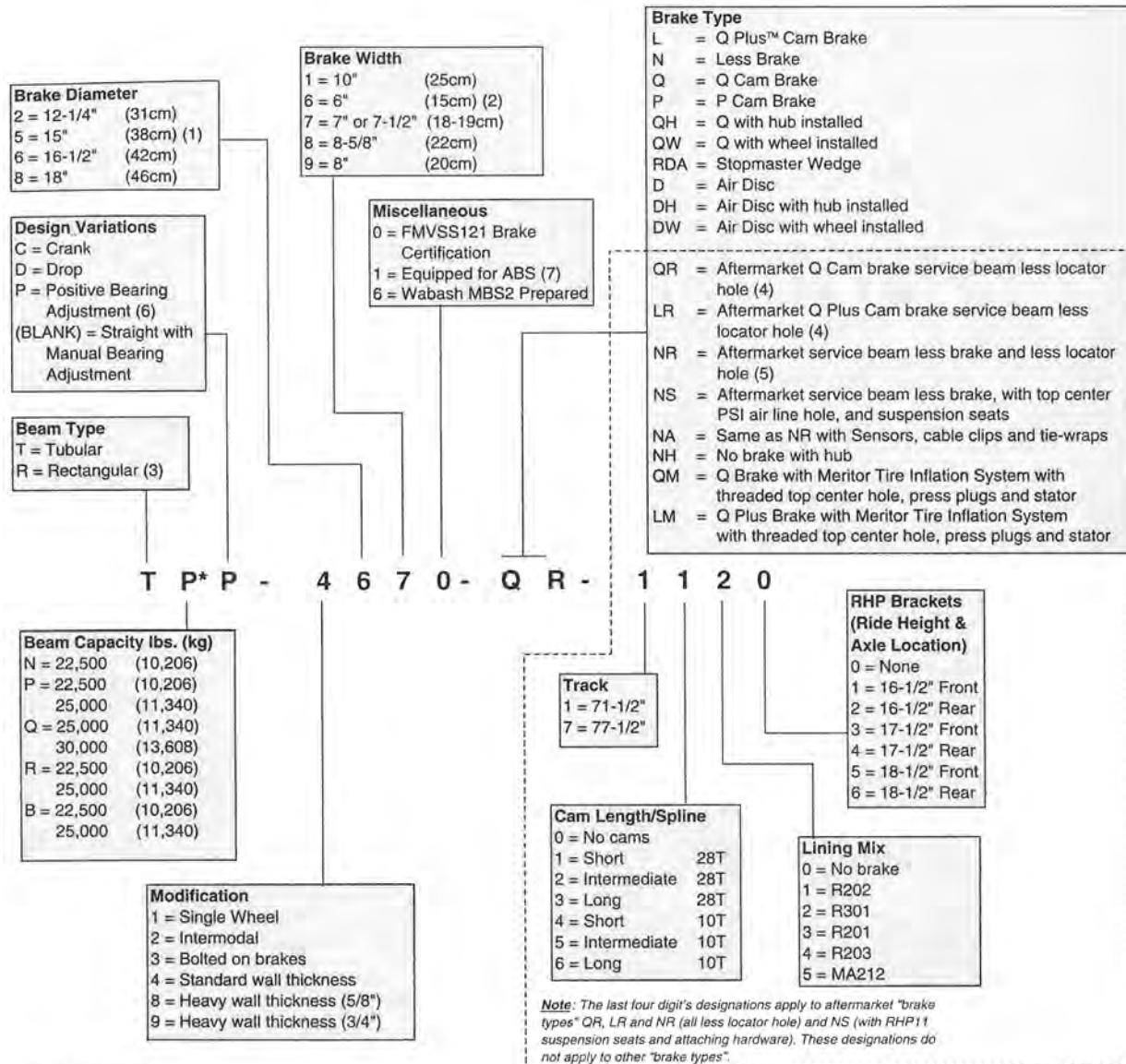
*Standard=HM212049/HM218210
Pro-Par=HM518445/HM518410

Note 1: complete with stud piloted hubs & drums
Note 2: complete with hub piloted hubs & drums

4.2 Meritor Axles



4.2.1: AFTERMARKET IDENTIFICATION CHART



- (1) Drum or rotor
- (2) Denotes brake shoe width or pad size
- (3) Service beam only
- (4) Equipped with brake shoes and camshafts
- (5) Equipped with camshafts but no brake shoes
- (6) Not available in crank or drop center axles
- (7) Used on all NS axles

* Bearings

- N = HM218248 / HM212049
 P = HM518445 / HM518445
 Q = HM218248 / HM212049
 R = 594A / 580
 B = Unitized hub and bearings

4.2.2: MERITOR AXLE BEAMS



5"

Part Number	Track Length	Bearing Combination Inner/Outer	Rating	Cam Length	Brake Size	ABS	Special Features
MTRTK-4670-NR-1600	71-1/2"	663/HM212049	22,500	24.14"	16-1/2" x 7"	Yes	
MTRTQ-4271-NR-1300	71-1/2"	HM212049/HM218210	25,000	23.30"	12-1/4" x 7-1/2"	Yes	
MTRTQ-4681-NR-7300	77-1/2"	HM212049/HM218210	25,000	24.14"	16-1/2" x 8-5/8"	Yes	
MTRWP-4671-NS-7101	77-1/2"	HM518445/HM518410	22,500	24.14" 28T	16-1/2" x 7"	Yes	RHP11 front axle
MTRWP-4671-NS-7102	77-1/2"	HM518445/HM518410	22,500	24.14" 28T	16-1/2" x 7"	Yes	RHP11 rear axle
MTRWP-8671-NS-7101	77-1/2"	HM518445/HM518410	25,000	24.14" 28T	16-1/2" x 7"	Yes	RHP11 front axle
MTRWP-8671-NS-7102	77-1/2"	HM518445/HM518410	25,000	24.14" 28T	16-1/2" x 7"	Yes	RHP11 rear axle

4.2.3: MERITOR AXLES WITH CAM SHAFTS & BRAKE SHOES

4.2.3.1: MERITOR AXLES WITH STANDARD HM BEARING COMBINATIONS



5" Round Axles with brake shoes

Part Number	Track Length	Bearing Combo Inner/Outer	Rating	Cam Length 28 Spline	Brake Size	ABS	Special Features
MTRTN-4671-QR-1150	71-1/2"	HM212049/HM218210	22,500	17.38"	16-1/2" x 7" Q	Yes	MA212 Lining
MTRTN-4671-QR-1250	71-1/2"	HM212049/HM218210	22,500	20.47"	16-1/2" x 7" Q	Yes	MA212 Lining
MTRTN-4671-QR-7150	77-1/2"	HM212049/HM218210	22,500	17.38"	16-1/2" x 7" Q	Yes	MA212 Lining
MTRTN-4671-QR-7250	77-1/2"	HM212049/HM218210	22,500	20.47"	16-1/2" x 7" Q	Yes	MA212 Lining
MTRTQ-4671-QR-1250	71-1/2"	HM212049/HM218210	25,000	20.47"	16-1/2" x 7" Q	Yes	MA212 Lining
MTRTQ-4671-QR-1350	71-1/2"	HM212049/HM218210	25,000	24.14"	16-1/2" x 7" Q	Yes	MA212 Lining
MTRTQ-4671-LR-7150	77-1/2"	HM212049/HM218210	25,000	17.38"	16-1/2" x 7" Q+	Yes	MA212 Lining
MTRTQ-4671-QR-7350	77-1/2"	HM212049/HM218210	25,000	24.14"	16-1/2" x 7" Q	Yes	MA212 Lining

4.2.3.2: MERITOR AXLES WITH PRO-PAR HM BEARING COMBINATIONS

Part Number	Track Length	Bearing Combination Inner/Outer	Rating	Cam Length 28 Spline	Brake Size	ABS	Special Features
MTRTP-4671-QR-1150	71-1/2"	HM518445/HM518410	22,500	17.38"	16-1/2" x 7" Q	Yes	MA212 Lining
MTRTP-4671-QR-7150	77-1/2"	HM518445/HM518410	22,500	17.38"	16-1/2" x 7" Q	Yes	MA212 Lining
MTRTP-4671-LR-7150	77-1/2"	HM518445/HM518410	22,500	17.38"	16-1/2" x 7" Q+	Yes	MA212 Lining
MTRTP-8671-QR-1350	71-1/2"	HM518445/HM518410	25,000	24.14"	16-1/2" x 7" Q	Yes	MA212 Lining
MTRTP-8671-QR-7350	77-1/2"	HM518445/HM518410	25,000	24.14"	16-1/2" x 7"	Yes	MA212 Lining
MTRTP-8671-LR-7350	77-1/2"	HM518445/HM518410	25,000	24.14"	16-1/2" x 7" Q+	Yes	MA212 Lining

4.2.4: MERITOR AXLES COMPLETE WITH HUB PILOTED HUBS & DRUMS

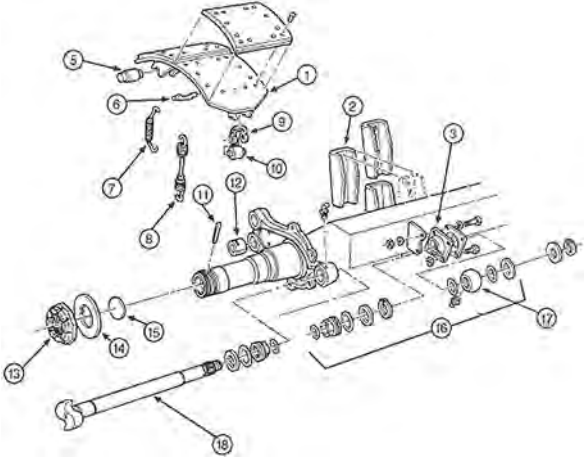

Part Number	Track Length	Bearing Combination Inner/Outer	Rating	Cam Length 28 Spline	Brake Size	Slack Adjuster	Air Chambers	ABS
MTR32404225	71-1/2"	HM212049/HM218210	25,000	20.47"	16-1/2" x 7"Q	Auto	30/30	No
MTR32404245	71-1/2"	HM212049/HM218210	22,500	24.14"	16-1/2" x 7" Q	Auto	30/30	No*
MTR32404220	71-1/2"	HM212049/HM218210	25,000	24.14"	16-1/2' x 7" Q	Auto	30/30	Yes
MTR32404236	77-1/2"	HM212049/HM218210	25,000	24.14"	16-1/2" x 7" Q	Auto	30/30	Yes
MTR32404216	77-1/2"	HM212049/HM218210	25,000	24.14"	16-1/2" x 7" Q	Auto	30/30	No
AXL7-1	77-1/2"	HM212049/HM218210	25,000	17.38"	16-1/2" x 7"	Auto	30/30	Yes*

* Long studs for aluminum wheel mounting

4.3 Pro-Par Breakdown

4.3.1: PRO-PAR AXLES WITH BRAKE SHOES BREAKDOWN

4.3.1.1: DETAIL OF A PRO-PAR 5" SQUARE AXLE WITH BRAKES
HM518445 & HM518410 BEARING COMBINATION

Item Number	Part Number	Description	Figure
1	FRUACF3379-1	XEM Unlined shoe	For reference only  For reference only
	MTRSF5554515F3	XEM Lined shoe assembly	
2	FRUACF6608-2	Brake chamber bracket	
3	FRUACF4024-900	Cam bracket kit	
5	FRUACF3378-1	Brake anchor pin	
6	FRU583015	Return spring pin	
7	FRUACF3079-1	Anchor pin spring	
8	FRUACF6414-1	HD return spring	
9	FRUACF1328-1	Roller Retainer	
10	FRU330733	Brake shoe roller	
11	FRUAXA0409-PK1	Cotter pin	
12	FRUAXA0068	Anchor pin bushing	
13	FRUACE8510-1	Axle nut	
14	FRUAXA0408-1	Metal axle plug	
15	FRUACD7180-1	Axle washer	
16	FRUAXA0420-900	Cam bushing kit	
17	FRUACD2285-900	37 SPL slack adjuster	
18	FRUAPA1283-1	37 SPL camshaft std LH	
	FRUAPA1283-2	37 SPL camshaft std RH	
	FRUAPA1283-3	37 SPL camshaft long LH	
	FRUAPA1283-4	37 SPL camshaft long RH	



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4.4 Brake Shoes & Linings

4.4.1: AXLE BRAKE SHOES LINED (NEW)

Part Number	Brake Size	Type Shoe	Lining	Figure
MTRR717031	16-1/2" x 7"	Rockwell Q	ABEX 685	
MTRR717021	16-1/2" x 7"	Rockwell Q	ABEX 6008	
MTRSMG14515Q	16-1/2" x 7"	Rockwell Q	Meritor MG1	
MTRSF5554515Q	16-1/2" x 7"	Rockwell Q	FRAS-LE 555	
MTRSMG14707QP	16-1/2" x 7"	Rockwell Q+	Meritor MG1	
MTRR717011	16-1/2" x 7"	Fruehauf XEM3	ABEX 683	
MTRR717014	16-1/2" x 7"	Fruehauf XEM3	ABEX 6008	
MTRSF5554515F3	16-1/2" x 7"	Fruehauf XEM3	FRAS-LE 550	
MTRSMG14515F	16-1/2" x 7"	Fruehauf XEM3	Meritor MG1	
FRUACF4854-8	16-1/2" x 7"	Fruehauf XEM3	OEM Grade	
MTRSMG14311E	16-1/2" x 7"	Eaton	Meritor MG1	
MTRR717012	16-1/2" x 7"	Eaton	ABEX 685	
MTRSMG14709ES	16-1/2" x 7"	"ES"	Meritor MG1	
FRUACF4855-9	16-1/2" x 8-5/8"	LH Fruehauf	OEM GRADE	
FRUACF4855-10	16-1/2" x 8-5/8"	RH Fruehauf	OEM GRADE	
FRUACF4856-1	12-1/4" x 8"	Fruehauf	OEM GRADE	

4.4.2: AXLE BRAKE & HARDWARE KITS (NEW)

All Kits Include 2 New Lined Shoes and a Brake Hardware Kit.

Part Number	Brake Size	Type Shoe	Lining	Figure
MTRKMG14515Q	16-1/2" x 7"	Q	Meritor MG1	
MTRKSR3014515Q	16-1/2" x 7"	Q	Meritor R301	
MTRKR717031	16-1/2" x 7"	Q		
EAT825651	16-1/2" x 7"	Q+	OE Grade	
MTRKMG14515F	16-1/2" x 7"	XEM3	Meritor MG1	
MTRKSR3014515QF4	16-1/2" x 7"	XEM3	Meritor R301	
MTRKIT7521AFF	16-1/2" x 7"	XEM3	OE Grade	
MTRKMG14311E	16-1/2" x 7"	Eaton	Meritor MG1	

4.5 Brake Kits & Components

4.5.1: BRAKE KITS

16-1/2" Pro-Par XEM3 	16-1/2" Pro-Par XEM 	16-1/2" Pro-Par XEM 
1. BRK1-1	1. BRK1-2 Minor kit	1. BRK1-3
Pro-Par "Nonxem" Kit 	16-1/2" Early Model Fruehauf 	12-1/4" Pro-Par XEM 
1. BRK1-4	1. BRK1-5	1. BRK1-6
16-1/2" Rockwell Q 	16-1/2" Rockwell Q 	Universal "P" Style Replacement Kit 
1. BRK1-7 2. MTRKIT8000	1. BRK1-8 Minor kit	1. BRK1-9
16-1/2" Rockwell P 	16-1/2" EATON Single Pin 	16-1/2" Rockwell Q+ 
1. BRK1-10	1. BRK1-11	1. MTRKIT8000HD

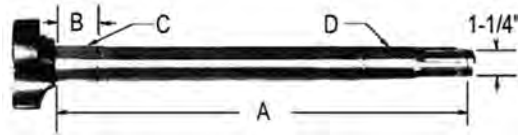
4.5.2: BRAKE HARDWARE

Part Number	Description	Size	Figure
FRUACF2668-X	Anchor Pin 1	2-1/2" x 7/8"	 1 2 3
FRUACF3378-1	Anchor Pin 2	2-7/16" x OD 1-1/4"; ID 1"	
MTR1259N274	Anchor Pin 3	2-1/4" x OD 1-1/4"; ID 1"	
MTR1259N274	Anchor Pin 3	2-1/4" x OD 1-1/4"; ID 1"	
WSH2-135	Anchor Pin Washer	OD=3/8"; ID=13/32"	
EAT125012	Lock Ring	OD 1-9/16"; ID 1-3/8"	
FRU219160	Snap Ring	OD 1-11/16"; ID 1-3/8"	
MTR1229X1116	Snap Ring	OD 1-3/8"; ID 1-3/16"	
EAT808058	Roller Retainer 1	1-1/4"	 1 2 3 4
FRUACD2233-1	Roller Retainer 2	2"	
FRUACF1328-1	Roller Retainer 3	2"	
FRU330734	Roller Retainer 4	1-1/4"	
FRUACE9911-1	Return Spring	dia. .162" OD 1-1/8" length 8-3/8"	
SIRB349	Return Spring	dia. .192" OD 1-1/4" length 8-3/8"	
MTR2258Q615	Retaining Spring	5-1/2"	
FRU330733	Roller	2-1/4" x OD 1-3/8"; ID 1"	

4.6 Camshafts

4.6.1: 10 SPLINE CAMSHAFTS

Left Hand

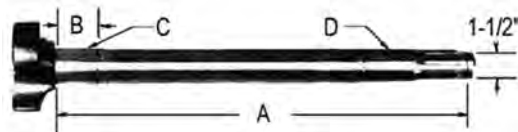


Right Hand



Part Number	Style	Replaces			A	B	C	D
SIRC689R	RH	L224	E684	2210-T-2490	21-3/32"	2-7/32"	1-1/2"	1-1/2"
SIRC688L	LH	L225	E685	2210-U-2491				
SIRC094R	RH	L581	E1094		23-7/16"	2-7/32"	1-1/2"	1-1/2"
SIRC095L	LH	L580	E1095					
SIRC884L	RH	L2949	E4884		22-7/8"	2-7/32"	1-1/2"	1-1/2"
SIRC885R	LH	L2948	E4885					
SIRC693L	LH	E2693	EATON125034		19-1/2"	2-7/32"	1-5/8"	1-1/2"
SIRC694R	RH	E2694	EATON125035					
SIRC720R	RH	E4720	EATON125030		23-3/4"	2-7/32"	1-5/8"	1-1/2"
SIRC721L	LH	E4721	EATON125031					
SIRC424R	RH	L173	E1424	2210-M-2483	20-3/8"	2-7/32"	1-5/8"	1-1/2"
SIRC425L	LH	L174	E1425	2210-N-2484				
DAEE2107	LH	L1627	E2107	M551L	20-3/8"	2-5/16"	1-5/8"	1-1/2"
DAEE2108	RH	L1628	E2108	M557R				
SIRC773R	RH	L1204	E1773	2210-K-3027	11-1/4"	1-3/4"	1-1/2"	1-1/2"
SIRC774L	LH	L1205	E1774	2210-L-3028				
SIRC147R	RH	L507	E1147		11-1/2"	1-3/4"	1-1/2"	1-1/2"
SIRC148L	LH	L508	E1148					
SIRC775R	RH	L1202	E1775	EATON70307	11-13/16"	1-9/16"	1-1/2"	1-1/2"
SIRC776L	LH	L1203	E1776	EATON70306				
SIRC422R	RH	L733	E1422	(Dana 12-1/4")	23-1/4"	2-21/32"	2-7/32"	1-1/2"
SIRC423L	LH	L734	E1423	(Dana 12-1/4")				
MTR2210E5413	RH	2210-E-5413			20-1/2"	1-45/64"	1-1/2"	1-1/2"
MTR2210F5414	LH	2210-F-5414						

Left Hand



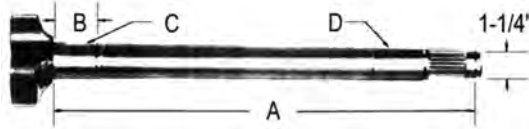
Right Hand



Part Number	Style	Replaces	A	B	C	D
DAEE6094	RH	M12WKR-10-233	23-1/8"	2-1/4"	1/2"	1-3/8"
DAEE6093	LH	M12WKL-10-233				

4.6.2: 28 SPLINE CAMSHAFTS

Left Hand

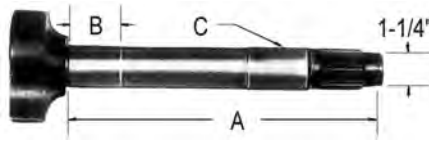


Right Hand



Part Number	Style	Replaces		A	B	C	D
SIRC441L	LH	2210-M-4329	E2441	17-3/8"	1-11/16"	1-5/8"	1-1/2"
SIRC442R	RH	2210-M-4328	E2442				
SIRC243L	LH	2210-R-4334	E2443	20-13/32"	1-11/16"	1-5/8"	1-1/2"
SIRC244L	RH	2210-Q-4333	E2444				
SIRC245L	LH	2210-P-4332	E2445	24-1/8"	1-11/16"	1-5/8"	1-1/2"
SIRC246R	RH	2210-N-4330	E2446				
SIRC844L	LH	E3854	M16WR105-17	20-3/8"	2-7/32"	1-5/8"	1-1/2"
SIRC855R	RH	E3855	M16WR104-17				
SIRC856L	LH	E3856	M16WR105-25	23-7/16"	2-7/32"	1-5/8"	1-1/2"
SIRC857R	RH	E3857	MNWR104-225				
SIRC935L	LH	E9735	L3289	23-9/16"	2-7/32"	1-5/8"	1-1/2"
SIRC936R	RH	E9736	L3288				

Left Hand

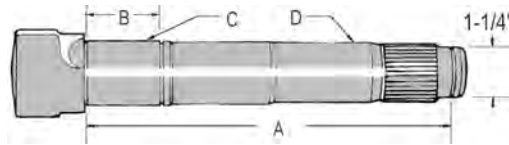


Right Hand



Part Number	Style	Replaces		A	B	C
SIRC349L	LH	2210-V-5326	E3349	11-9/32"	1-3/4"	1-1/2"
SIRC350R	RH	2210-U-5325	E3350			
SIRC351L	LH	2210-B-5332	E3352	11-1/2"	1-3/4"	1-1/2"
SIRC352R	RH	2210-A-5331	E3352			
SIRC728R	RH	2210-K-5341	E4728	13-1/32"	1-3/4"	1-1/2"
SIRC729L	LH	2210-L-5342	E4729			
SIRC730R	RH	2210-C-5330	E4730	13-9/32"	1-3/4"	1-1/2"
SIRC731L	LH	2210-D-5334	E4731			
SIRC732R	RH	2210-M-5395	E4722	13-17/32"	1-3/4"	1-1/2"
SIRC733L	LH	2210-N-539L	E4733			

28 SPLINE CAMSHAFTS continued

Left Hand

Right Hand


Part Number	Style	Replaces	A	B	C	D
MTR2210B6866	RH	Q+	17-3/8"	1-1/2"	1.62"	1-1/2"
MTR2210C6867	LH	Q+				
MTR2210F6870	RH	Q+	20-15/32"	1-1/2"	1.62"	1-1/2"
MTR2210G6871	LH	Q+				
MTR2210D6868	RH	Q+	24-9/16"	1-1/2"	1.62"	1-1/2"
MTR2210E6869	LH	Q+				

Left Hand

Right Hand

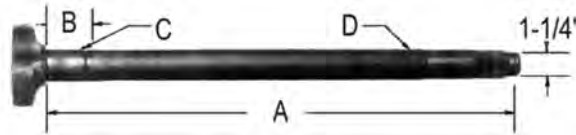

Part Number	Style	Replaces	A	B	C	D
SIRC526L	LH	M16WKL20-23R	23-3/4"	1-5/8"	2-7/32"	1-1/2"
SIRC527R	RH	M16WKR20-23L				

Left Hand

Right Hand

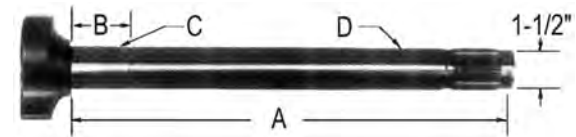

Part Number	Style	Replaces	A	B	C	D
SIRC081L	LH	2210-X-6576 E6081	24-1/8"	2-5/64"	1-5/8"	1-1/2"
SIRC082R	RH	2210-W-6575 E6082				

28 SPLINE CAMSHAFTS CONTINUED



Part Number	Style	Replaces	A	B	C	D
SIRC890L	LH	M16WK104-23 E6884	22-7/8"	1-5/8"	2-7/32"	1-1/2"
SIRC891R	RH	M16WK105-23 E6885				

4.6.3: 37 SPLINE CAMSHAFTS



Part Number	Style	Replaces	A	B	C	D
FRUAPA1283-1	LH	E1563	16-1/8"	2-5/32"	1-5/8"	1-19/32"
FRUAPA1283-2	RH	E1564				
FRUAPA1283-3	LH	E2099	21-1/8"	2-5/32"	1-5/8"	1-19/32"
FRUAPA1283-4	RH	E2100				
FRUAXA0420-5	LH	E3861	23-7/8"	2-7/32"	1-5/8"	1-19/32"
FRUAXA0420-6	RH	E3862				
FRUACD2193-PK1	RH	E1584	16-1/8"	2-5/32"	1-5/8"	1-19/32"
FRUACD2193-PK2	LH	E1585				
FRUACD2193-PK5	RH	E4891	21-3/16"	2-5/32"	1-5/8"	1-19/32"
FRUACD2193-PK6	LH	E4890				

4.7 Cam Kits, Components & Brackets

4.7.1: CAM KITS

 For Pro-Par Axles 12-1/4" & 16-1/2" Brakes 1. FRUAXA0420-900 Pro-Par 1 kit per axle	 1. DANM16KY202 Dana 1 kit per axle
 1. MTRKIT8048 Rockwell Q 1-5/8" camshaft 1 kit per axle	 1. MTRKIT8069 Rockwell Q 2 kits per axle
 1. MTRKIT8078 Rockwell Q 2 kits per axle	 1. MTRKIT8289 Rockwell Q fabricated spiders 2 kits per axle
 1. MTRKIT969 Rockwell P 1-1/2" camshaft 1 kit per axle	 1. MTRKIT970 Rockwell P 1-5/8" camshaft 1 kit per axle

4.7.2: CAMSHAFT COMPONENTS

		
1. FRUACA3265-PKG White bushing 2. FRUACA3266-PKG Yellow bushing	1. FRUAXA0413-900 Bushing kit 2 per kit	1. FRUACD2285-900 Bushing
		
1. FRUAXA0417-1 Bearing washer	1. FRUAXA0418-1 Retainer Ring	1. FRU219157 Support retainer
		
1. FRU515147 Spider bushing		

4.7.3: CAMSHAFT BRACKETS

		
1. FRUACF4021-1	1. FRUACF9462-1 w/zerk fitting	1. FRUACF9463-1
		
1. FRUACF4023-1 For round axle	1. FRUACF4024-1 For 16-1/2" brakes	1. FRUACF4024-2 For 12-1/4" brakes
		
1. MTRA-3299T5844	1. EAT1002252 Cam support	

4.8 Slack Adjusters & Components

4.8.1: MANUAL SLACK ADJUSTERS

4.8.1.1: 10 SPLINE—1-1/2"

Part Number	Description	Figure
BEN278323	5", 6" & 7" Holes	
FRUACF6404-903		
BEN278326	5.5" & 6.5" Holes	
FRUACF6404-906		
FRUACF6404-6	5.5" Hole	

4.8.1.2: 28 SPLINE—1-1/2"

Part Number	Description	Figure
BEN286965	5", 6" & 7" Holes	
FRUACF6404-902		
MIDKN44051		
BEN288753	5.5" & 6.5" Holes	
FRUACF6404-905		

4.8.1.3: 37 SPLINE—1-5/8"

Part Number	Description	Figure
BEN283411	6" Hole	
FRUACF6404-1		
FRUACF6404-901	5", 6" & 7" Holes	
FRUACF6404-4	5-1/2" Hole	

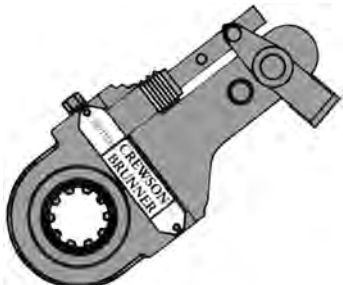
4.8.1.4: MANUAL SLACK ADJUSTER COMPONENTS

 Fabricated		 Cast			
1. MID19105	1/2" Clevis kit	1. MIDKN36470 2. ANC9999044 3. MIDKN36480	A = 1/2" Clevis kit A = 1/2" Clevis kit A = 5/8" Clevis kit	1. PIN2-1 2. MID19102	1/2" Clevis & cotter pin 5/8" Clevis & cotter pin
 1. MID19100 2. MID19102		 1. PIN1-1			

4.8.2: AUTOMATIC SLACK ADJUSTERS**4.8.2.1: PRO-PAR AUTOMATIC SLACK ADJUSTERS**

Part Number	Spline	Description	Figure
FRUACF6842-905	10	1-5/8", 6" Arm	
FRUACF6842-906	10	1-5/8", 5.5" Arm	
FRUACF6842-907	28	1-5/8", 6" Arm	
FRUACF6842-908	28	1-5/8", 5.5" Arm	
FRUACF8184-1	37	1-5/8", 6" Arm	
FRUACF8184-2	37	1-5/8", 5.5" Arm	

**CREWSON
BRUNNER**
4.8.2.2: CREWSON BRUNNER AUTOMATIC SLACK ADJUSTERS
**CREWSON
BRUNNER**

Part Number	Spline	Description	Figure
BRUCB21102	10	1-1/2", 5.5" & 6.5" Arm	
BRUCB21103	10	1-1/2", 5" & 6" Arm	
BRUCB24100	10	1-1/4", 5.5" Arm	
BRUCB25100	24	1-1/4", 5.5" Arm	
BRUCB22103	28	1-1/2", 5" & 6" Arm	
BRUCB22102	28	1-1/2", 5.5" & 6.5" Arm	
BRUCB23106	37	1-5/8", 6" Arm	
BRUCB23102	37	1-5/8", 5.5" & 6.5" Arm	

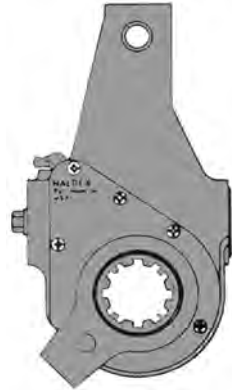
GUNITE®
CORPORATION
4.8.2.3: GUNITE AUTOMATIC SLACK ADJUSTER
GUNITE®
CORPORATION

Part Number	Spline	Description	Figure
FRUACF4205-810	10	1-1/2", 6" Arm	
FRUACF4205-910	10	1-1/2", 5.5" Arm	
FRUACF4205-828	28	1-1/2", 6" Arm	
FRUACF4205-928	28	1-1/2", 5.5" Arm	
FRUACF4205-837	37	1-5/8", 6" Arm	
FRUACF4205-937	37	1-5/8", 5.5" Arm	

Bendix
4.8.2.4: BENDIX AUTOMATIC SLACK ADJUSTER
Bendix

Part Number	Spline	Description	Figure
BEN065174	28	1-1/2", 5.5" Arm	
BEN065176	28	1-1/2", 6" Arm	
BEN065247	28	1-1/2", 5.5" Arm	

4.8.2.5: HALDEX AUTOMATIC SLACK ADJUSTERS

Part Number	Spline	Description	Figure
HDX400-10001	10	1-1/4", 5.5" Arm	
409-10761	10	1-1/4", 5.5" Arm	
HDX400-10002	10	1-1/4" RH offset; 5.5" Arm	
HDX400-10003	10	1-1/4" LH offset; 5.5" Arm	
409-10760	10	1-1/2", 5.5" Arm	
HDX400-10142	10	1-1/2", 5", 6" Arm	
HDX400-10143	10	1-1/2", 5.5", 6.5" Arm	
HDX400-10144	10	1-1/2", 6" Arm MACK	
HDX400-10145	10	1-1/2", 6" Arm	
HDX400-10216	10	1-1/2", 6" Arm	
HDX400-10306	10	1-1/2", 6" Arm; 12-1/4" Brakes	
HDX409-10323	10	1-1/2", 6" Arm offset	
HDX409-10324	10	1-1/2", 6" Arm offset	
HDX400-10004	24	1-1/4", 5.5" Arm	
HDX400-10141	28	1-1/4", 5.5" Arm	
HDX400-10211	28	1-1/2", 5" Arm	
HDX400-10212	28	1-1/2", 6" Arm	
HDX400-10304	28	1-1/2", 5.5" Arm	
HDX409-10759	28	1-1/2", 5.5" Arm	
HDX409-10628	28	1-1/2", 5.5" 6.5" Arm	
HDX400-10140	28	1-1/2", 6" Arm	
HDX409-10673	28	1-1/2", 6" Arm offset	
HDX409-10683	28	1-1/4", 6" Arm offset	
HDX400-10213	37	1-5/8", 5" Arm	
HDX400-10214	37	1-5/8", 6" Arm	


4.8.2.6: MERITOR AUTOMATIC SLACK ADJUSTERS

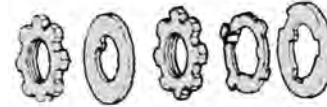

Part Number	Spline	Description	Figure
FRUACF6842-6	10	1-1/2", 5.5" Arm	
MTRR801042	10	1-1/2", 6" Arm	
FRUACF6842-3	28	1-1/2", 6" Arm	
FRUACF6842-4	28	1-1/2", 5.5" Arm	
MTRR801073	28	1-1/2", 5.5" Arm	
MTRR801074	28	1-1/2", 6" Arm	
FRUACF6842-1	37	1-5/8", 6" Arm	
FRUACF6842-2	37	1-5/8", 5.5" Arm	
MTRR801102	37	1-5/8", 6" Arm	

4.8.2.7: AUTOMATIC SLACK ADJUSTER COMPONENTS

 1. GUNAS-3000 Clevis kit	 2. GUNAS-4004 Clevis pin kit	 1. MTR1245N1028 1/2" Clevis 2. MTRR801713 5/8" Clevis 3. MTR1245P1030 5/8" Clevis
 1. PIN2-1 1/2" Clevis & cotter pin 2. MID19102 5/8" Clevis & cotter pin 3. MID19100 1/2" Clevis pin 4. MTRR801773 1/2" Clevis pin 5. PIN1-1 .12" x 1" Cotter pin	 1. HDX427-10563 Bracket kit	 1. HDX427-10565 Bracket kit
 1. HDX427-10558 Hardware	 1. MTRR801700 Guide pawl adjuster	 1. HDX445-10510 J-bracket

4.9 Axle Nuts & Components

4.9.1: MANUAL AXLE NUTS

HM518445/HM518410  1. MTRKITSTPN 1/2 axle kit	HM518445/HM518410  1. MTRKITSTPJ Kit	HM212049/HM218248  1. MTRKITSTNEW 1 axle kit
HM518445/HM518410  1. FRUACF1823-900 HD kit	HM518445/HM518410  1. FRU530088 HD Outer nut	HM218248/HM218210  1. EAT814009 3/8" Outer nut 2. MTR1227C549 3/8" Outer nut
HM518445/HM518410  1. FRUACE8510-1 HD Outer nut 2. MTR1229F4400 HD Outer nut	HM518445/HM518410  1. EAT814854 3/8" Outer nut 2. MTR1227B1484 3/8" Outer nut 3. MTR1227K1389 3/4" Outer nut	HM518445/HM518410  1. EAT814855 3/8" Inner nut
HM518445/HM518410  1. EAT814856 Washer 2. MTR1227D1226 Washer	HM518445/HM518410  1. FRUAXA0408-1 Washer 2. MTR1229Z3068 Washer	 1. FRUAXA0409-PK1 Cotter pin

4.9.2: PRO-TORQUE AXLE NUTS

Part Number	Size	Application	Bearing Combination	Figure
STE447-4723	3.48"—12	Pro-Par Meritor TP Hendrickson HP	HM518445/HM518410	
STE447-4724	3-1/2"—12	Eaton EST230-P EST225-P	HM518445/HM518410	
STE447-4743	2-5/8"—16	Dana, Eaton Meritor RL, RQ, TK, TN, TQ Hendrickson HN	HM212049/HM21011	
STE448-4836	1-1/2"—18	Dana Eaton X-115 Meritor T-1100	3782/3720	
STE448-4837	1-1/2"—18	Meritor Navistar	3782/3720	
STE449-4973	3-1/4"—12	Dana Est-230-P Eaton -22 Meritor TR	580/572	

4.10 Miscellaneous Axle Components

4.10.1: AIR CHAMBER BRACKETS

		
1. FRUACE7260-1 2 hole air chamber bracket for 5" round axle	1. FRUACF6608-1 2 hole air chamber bracket for 5" square axle	1. FRUACF6608-2 1 hole air chamber bracket for 5" square axle

4.10.2: MISCELLANEOUS AXLE PARTS

		
1. FRUACF8390-1 5" Round axle bracket	1. FRUACF8392-1 5" Round axle bracket	1. FRUACD7180-1 Freezer plug
		
1. FRUACC5963-900 Pro-Par socket wrench	1. FRUAXA0512-1 5" Square spring chair	1. FRUACF8391-1 5" Round spring chair

5: Bearings, Oil Seals & Hubcaps

5.1: Bearing Cones & Cups (races)	2
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5.1 Bearing Cones & Cups (races)

5.1.1: BEARING CONES**TIMKEN**

Industry Standard	Hyatt	MTR Parts	Timken	Timken K	Miscellaneous
555S			TIM555S		
560			TIM560		
567			TIM567		
575			TIM575		
580	HYT580		TIM580		
582			TIM582		
593			TIM593		
593A			TIM593A		
594A	HYT594A		TIM594A		
595			TIM595		
598			TIM598		
598A	HYT598A		TIM598A		
643			TIM643		
663	HYT663		TIM663		
665A			TIM665A		
749			TIM749		
3782	HYT3782		TIM3782		
6461A			TIM6461A		
28682			TIM28682		
39590			TIM39590		
45280			TIM45280		
45284			TIM45284		
47686			TIM47686		
65390			TIM65390		
HH506348			TIMHH506348		
H715345			TIMH715345		
HM212047	HYT212047		TIMHM212047		
HM212049	HYTHM212049	MTRHM212049	TIMHM212049	TIMKHM212049	MTR10600161
HM218248	HYTHM218248	MTRHM218248	TIMHM218248	TIMKHM218248	MTR10600162
HM518445	HYTHM518445	MTRHM518445	TIMHM518445	TIMHM518445	MTR10600202 MTRHM518445



5.1.2: BEARING CUPS (RACES)



Industry Standard	Hyatt	MTR Parts	Timken	Timken K	Miscellaneous
493	HYT493				
496	HYT496				
552A			TIM552A		
563	HYT563				
572	HYT572		TIM572		
592			TIM592		
592A	HYT592A		TIM592A		
632			TIM632		
653	HYT653		TIM653		
752			TIM752		
3720	HYT3720		TIM3720		
6420			TIM6420		
28622			TIM28622		
39520			TIM39520		
45220			TIM45220		
47620	HYT47620		TIM47620		
HH506310	HH506310		TIMHH506310		
H715311			TIMH715311		
HM212010			TIMHM212010		
HM212011	HYTHM212011	MTRHM212011	TIMHM212011	TIMKHM212011	
HM218210	HYTHM218210	MTRHM218210	TIMHM218210	TIMKHM218210	
HM518410	HYTHM518410	MTRHM518410	TIMHM518410	TIMKHM518410	MTRHM518410



5.1.3: TIMKEN BEARING SET



Part Number	Set Consists of One of Each
TIMSET401	580/572
TIMSET402	582/572
TIMSET403	594A/592A
TIMSET404	598A/592A
TIMSET405	663/653
TIMSET406	3782/3720
TIMSET407	28682/28622
TIMSET408	39590/39520
TIMSET409	45280/45220
TIMSET410	45284/45220
TIMSET411	47686/47620
TIMSET412	HM212047/HM212011
TIMSET413	HM212049/HM212011
TIMSET414	HM218248/HM218210
TIMSET415	HM518445/HM518410
TIMSET425	567/563

5.2 Oil Seals

5.2.1: STEMCO, CHICAGO RAWHIDE & NATIONAL OIL SEALS & TOOLS

Stemco Trailer Oil Seals		Chicago Rawhide Oil Seals
STE307-0713	STE372-7046	CRS46300
STE307-0723	STE372-7062	CRS46305
STE307-0743	STE372-7091	CRS40136
STE307-0744	STE372-7095	CRS42623
STE320-2023	STE372-7097	
STE320-2109	STE372-7098	National Oil Seals
STE320-2110	STE372-7099	NAT370025A
STE320-2113		NAT370036A
STE320-2173	Trailer Axle Rings	NAT370065A
STE372-7015	STE310-1036	NAT380025A
STE372-7022		NAT380036A
STE372-7024	Oil Seal crossover to Bearing Combination See Section 8.3	NAT380065A



5.2.2: TRISEAL OIL SEALS



5.2.2.1: TRISEAL UNITIZED ONE PIECE SEAL

Part Numbers			
TRI65000U	TRI65078U	TRI65165U	TRI65263U
TRI65024U	TRI65092U	TRI65172U	TRI65270U
TRI65030U	TRI65111U	TRI65184U	TRI65283U
TRI65060U	TRI65152U	TRI65261U	TRI65298U
TRI65071U	TRI65156U	TRI65262U	

5.2.2.2: TRISEAL TWO PIECE LEATHER SEAL

Part Numbers			
TRI69520	TRI69697	TRI69794	
TRI69598	TRI69699	TRI69799	

5.2.2.3: TRISEAL TWO PIECE SEVERE SERVICE SEAL

Part Numbers			
TRI70596	TRI70598	TRI70799	
TRI70597	TRI70798		

5.2.3: PRO-PAR OIL SEALS



1. FRUAXA0413-900 Pro-Par bearing seal assembly

5.3 Trailer Oil Seal Interchange Guide with Bearing Numbers

5.3.1: OIL SEAL INTERCHANGE CHART

Key	Bearing Combination		
	Inner Cone/Cup	Outer Cone/Cup	
1	663/653	HM212049/HM212011	
2	HM518445/HM518410	HM518445/HM518410	
3	HM218248/HM218210	HM212049/HM212011	
4	665A/653	HM212049/HM212011	
5	HM212049/HM212011	3782/372	
6	HM212049/HM212011	28862/28622	
7	HM715345/HM715311	555S/552A	
8	6461A/6420	3979/3920	
9	47686/47620	39590/39520	
10	5760/5735	575/572	
11	663/653	575/572	
12	598/592A	575/572	
13	580/572	567/563	
14	598A/592A	580/572	
15	594A/592A	580/572	

Key	Stemco Guardian	Stemco Grit Guard	National	CR Scotseal	CR Scotseal+	Midland Barrier	Eaton Outrunner	Triseal
1	STE307-0713	STE372-7098	NAT370036A	CRS41036	CRS40129	MID747400P	EAT850	TRI65261U
2	STE307-0723	STE372-7099	NAT370065A	CRS42623	CRS42627	MID745400P	EAT851	TRI65262U
3	STE307-0743	STE372-7097	NAT370025A	CRS46305	CRS46300	MID755400P	EAT859	TRI65060U
4	STE307-0744	STE372-7095	NAT370037A	CRS43752	CRS43789	-----	EAT853	TRI65298U
5	STE308-0836	STE382-8036	NAT370001A	CRS35066	CRS35058	-----	EAT847	TRI65263U
6	308-0853	STE382-8053	370124A	CRS44922	CRS44A19	-----	EAT855	TRI65000U
7	STE308-0856	STE382-8056	NAT370131A	CRS45103	CRS45102	-----	EAT857	TRI65078U
8	STE308-0864	STE382-8064	NAT370048A	CRS43762	CRS43763	-----	863	TRI65092U
9	309-0915	STE392-9099	370024A	CRS38750	CRS38748	-----	EAT848	TRI65024U
10	STE309-0912	STE392-9099	NAT370023A	CRS38780	CRS38776	-----	EAT849	TRI65152U
11	309-0904	STE392-9130	NAT370031A	CRS42672	CRS42671	-----	EAT852	TRI65071U
12	309-0965	STE392-9096	NAT370019A	CRS43860	CRS43861	-----	EAT854	TRI65184U
13	STE309-0903	STE392-9094	NAT370022A	CRS45099	CRS45097	-----	EAT856	TRI65270U
14	STE309-0960	392-9081	NAT370005A	CRS48000	CRS48001	-----	EAT860	TRI65165U
15	STE309-0964	STE392-9098	NAT370021A	CRS45160	CRS45158	-----	EAT850	TRI65172U

NOTE: Part numbers with a 3 letter prefix are stocking items. All others may be ordered.

5.4 Hubcaps & Accessories



5.4.1: STEMCO HUBCAPS & ACCESSORIES



Hub Caps	Hub Caps	Gaskets
STE340-4009	STE343-4034	STE330-3024
STE340-4013	STE343-4046	STE330-3028
STE340-4019	STE343-4059	STE330-3034
STE340-4024	STE343-4064	STE330-3036
STE340-4028	STE343-4066	STE330-3041
STE340-4036	STE343-4075	STE330-3067
STE340-4042	STE343-4095	STE330-3111
STE340-4046	STE343-4122	STE330-3118
STE340-4066	STE343-4195	STE330-3122
STE340-4075	STE343-4249	
STE340-4092	STE343-4350	Window Kits
STE340-4095	STE344-4009	STE359-5912
STE340-4157	STE347-4009	STE359-5991
STE340-4195	STE347-4013	STE359-5992
STE340-4249	STE347-4075	STE359-5994
STE340-4352	STE347-4195	STE359-5995
STE340-4975	STE347-4278	STE359-5997
STE340-5096	STE347-4343	STE359-5999
STE340-5097	STE348-4009	STE359-6095
STE341-4075	STE349-4195	STE359-6112
STE342-4009	STE351-4195	STE359-6115
STE342-4024	STE352-4195	STE359-6117
STE342-4075	STE354-4009	
STE342-4249	STE354-4075	Vent Plugs
STE343-4009	Gaskets	STE359-5915
STE343-4013	STE330-3009	STE359-5990
STE343-4024	STE330-3013	STE359-6124
STE343-4025	STE330-3019	STE359-6125



5.4.2: CHICAGO RAWHIDE HUBCAPS & ACCESSORIES



Hub Caps	Hub Caps	Gaskets
CRS1343	CRS1742	CRS450293
CRS1399	CRS1743	CRS450751
CRS1643	CRS1770	CRS450775
CRS1703	CRS1799	Plugs
CRS1727		CRS450434

National
Oil Seals

5.4.3: NATIONAL HUBCAPS & ACCESSORIES

National
Oil Seals

Hub Caps	Gaskets
NATU9C	NAT733067
NATHW9C	
	Plugs
	NATB300

 **TRISEAL CORPORATION**

5.4.4: TRISEAL HUBCAPS & ACCESSORIES

 **TRISEAL CORPORATION**

Hub Caps	Hub Caps	Gaskets
TRI64002	TRI64075P	TRI61009
TRI64009G	TRI64085G	TRI61067
TRI64009H		TRI61077
TRI64013		TRI62209
TRI64024		Plugs
TRI64046		TRI64999
TRI64075A		TRI64999B

 **DUAL GUARD**

5.4.5: DUAL DYNAMICS DUAL GUARD HUBCAPS

 **DUAL GUARD**

		
1. DUADGPG Oil style Pro-Par	1. DUADG5/6G 5.50" Bolt circle 5/6-hole	1. DUADG6G 6-hole
		
1. DUADG6GN 5.50" Bolt Circle Ventless alum. 6-hole	1. DUADG7.5G 6.75" Bolt Circle alum. 6-hole	

5.4.6: HUBCAPS & ACCESSORIES

 1. MTR10600009 Alum. 6-hole hub cap assembly 2. APT4009 3. MTR4009P w/o gasket 4. MTR4009PB w/gasket	 1. APT4010 Alum. 6-hole hub cap with pipe plug assembly 2. MTR4010P w/o gasket 3. MTR4010PB w/gasket	 1. MTR10600006 Alum. 6-hole hubodometer hubcap	 1. APT3009 6-hole 2. APT3067 5/6-hole
 1. FRUACC7538-900 Non-vented hub cap assembly	 1. FRUACC7538-VNT Vented hub cap assembly	 1. FRUACC7538-GRS Hub cap	 1. FRUACF6554-PLG O-ring & Non-V plug 2. FRUAXA0484-PKG O-ring 3. FRUAXA1005-1 Non-Vented plug 4. FRUAXA1005-2 Vented plug
 1. MTR10600482 ABS Hub Cap "P" w/sensor magnet	 1. DAY09-005205 Alum. 6-hole grease hubcap	 1. FRUACC5963-900 Socket wrench	

5.5 Hubodometers, Hubcaps & Brackets

5.5.1: STEMCO HUBODOMETERS

Part Number	Description	Figure
STE650-0526	Size of Hubodometer determined by: 1. Tire brand 2. Tire size Consult your Stemco catalog for more information.	 500,000 Mile Warranty
STE650-0537		
STE650-0539		
STE650-0545		
STE650-0583		
STE650-0587		
STE650-0593		
STE650-0595		
STE650-0598		
STE650-0601		
STE650-0605		
STE650-0607		
STE650-0608		
STE650-0610		
STE650-0613		
STE650-0626		
STE650-0634		

5.5.2: STEMCO HUBODOMETERS WITH WABASH LOGO

Part Number	Description	Figure
STE658-0587	See STE650-0587 in Stemco catalog	 500,000 Mile Warranty
STE658-0595	See STE650-0595 in Stemco catalog	
STE658-0598	See STE650-0598 in Stemco catalog	
STE658-0605	See STE650-0605 in Stemco catalog	
STE658-0608	See STE650-0608 in Stemco catalog	
STE658-0610	See STE650-0610 in Stemco catalog	
STE658-0613	See STE650-0613 in Stemco catalog	
STE658-0626	See STE650-0626 in Stemco catalog	

5.5.3: VEEDER-ROOT HUBODOMETER

Part Number	Description	Figure
VEE777716-475	500RPM 6 Digit Face	
VEE777716-500	514RPM No 1/10 mile	
VEE777716-520	520RPM markings	
VEE777717-465	465RPM 7 Digit Face	
VEE777717-475	475RPM 1/10 mile	
VEE777717-484	484RPM markings	
VEE777717-490	490RPM	
VEE777717-494	494RPM	
VEE777717-500	500RPM	
VEE777717-510	510RPM	
VEE777717-514	514RPM	
VEE777717-520	520RPM	
VEE777717-525	525RPM	
VEE777717-572	572RPM	
VEE777717-612	612RPM	
VEE777717-637	637RPM	
VEE777717-676	676RPM	
VEE777707-838	490RPM Wabash logo	
VEE777707-833	500RPM	
VEE777707-836	510RPM	
VEE777707-834	514RPM	
VEE777707-835	520RPM	
777727-326	326 Rev Per Kilometer	300,000 Mile Warranty - Records in either direction. - Hermetically sealed & will not fog. - Precision shaft support in front & back. - Unique counter balance design prevents orbiting. - Accuracy by spacing revolutions per mile with tire size. - Magnifying crystals enlarge digits for easier reading. - RPM is tire revolutions that equal 1 mile

Note: When ordering: Specify miles or kilometer & specify tire size.

5.5.4: HUBODOMETER HUBCAPS & BRACKETS



5.5.4.1: STEMCO HUBODOMETER HUBCAPS



1. STE640-0001 6-hole



1. STE640-0002 5-hole

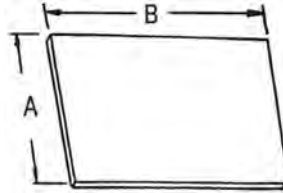


1. STE640-0004 Pro-Par

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6.1 Swing Doors & Accessories

6.1.1: PLYMETAL SWING DOORS



Part Number	Thickness	A	B	Outside Finish	Inside Finish
DOR2-1	1/2"	48-1/2"	120"	.015" White aluminum	.015" Mill finish aluminum
DOR2-2	1/2"	49"	110"	.020" Stainless steel	.015" Mill finish aluminum
DOR3-2	3/4"	48"	120"	.020" Stainless steel	.015" Mill finish aluminum
DOR3-3	3/4"	48-1/2"	120"	.015" Blue aluminum	24 Ga. galvanized
DOR3-10	3/4"	49"	110-1/2"	.015" White aluminum	.015" Mill finish aluminum
DOR3-11	3/4"	49"	110-1/2"	.015" Gray aluminum	.015" Mill finish aluminum
DOR3-12	3/4"	49"	110-1/2"	.015" Blue aluminum	.015" Mill finish aluminum
DOR3-13	3/4"	49"	120"	.015" White Aluminum	.015" Mill finish aluminum
DOR3-14	3/4"	49"	120"	.015" White aluminum	24 Ga. galvanized
DOR3-15	3/4"	49"	120"	.015" Mill finish aluminum	24 Ga. galvanized
DOR3-16	3/4"	49"	120"	.015" Metallic gray aluminum	.015" Mill finish aluminum
DOR3-17	3/4"	49"	144"	.015" White aluminum	.015" Mill finish aluminum
DOR3-31	3/4"	49"	110-1/5"	.015" White aluminum	24 Ga. galvanized
DOR4-1	1"	48"	108"	Quilted stainless steel	.015" Mill finish aluminum
DOR4-10*	1"	49"	110-1/2"	24 Ga. White galvanized	24 Ga. galvanized
DOR4-11	1"	49"	121"	.015" White aluminum	24 Ga. galvanized
DOR4-4	1"	48-1/2"	108"	.015" White aluminum	.015" Mill finish aluminum
DOR5-2*	1-1/4"	48-1/2"	108"	24 Ga. White galvanized	24 Ga. galvanized
DOR5-8*	1-1/4"	49"	110-1/2"	24 Ga. White galvanized	24 Ga. galvanized
DOR5-9*	1-1/4"	49"	110-1/2"	24 Ga. Gray galvanized	24 Ga. galvanized

*AAR spec'd doors

6.1.2: PLYMETAL & FOAM CORE SWING DOOR SEALS & RETAINERS

6.1.2.1: DUAL DUROMETER DOOR SEALS

Part Number	A	Door Thickness	Length	Type	Figure
DOR1-2	9/16"	1/2"	168"	Economy	
DOR1-4	13/16"	3/4"	168"	Economy	
DOR1-6	13/16"	3/4"	168"	Premium	
DOR1-6A	13/16"	3/4"	168"	Fleet Loc	
DOR1-7	13/16"	3/4"	168"	Standard	
DOR1-8	1-1/16"	1"	168"	Economy	
DOR1-9	1-1/16"	1"	168"	Standard	
DOR1-10	1-5/16"	1-1/4"	168"	Economy	
DOR1-11	1-5/16"	1-1/4"	168"	Standard	
DOR1-12	1-9/16"	1-1/2"	168"	Standard	

6.1.2.2: NEWCOURT 3/4" ALUMINUM RETAINERS

		
1. NEC6203-071 14'	1. NEC6342 14'	1. NEC6349 14'

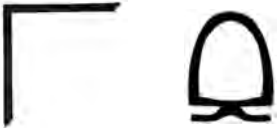
6.1.2.3: NEWCOURT 3/4" DOOR SEAL

		
1. NEC6237-871 14'	1. NEC6292-871 14' 2. NEC6292-6492 With insert	1. NEC6340 A = 9/16" 2. NEC6346701 A = 11/16"
		
1. NEC6583771 14'	1. NEC6609771 14'	1. NEC6256-831 122"
Door Seal Only Picture Frame Door Seal 3/4" x 49" x 11-3/8" uses NEC6292-6492 door seal used with NEC6203-071 retainer 1. NEC72403080 C/S Complete 2. NEC72403081 R/S Complete		

6.1.2.4: 3/4" DOOR SEAL & TRIM ASSEMBLIES

		
1. NEC21101538 14'	1. NEC21550430 14'	1. MTR06300497 14'

6.1.2.5: MISCELLANEOUS DOOR SEAL ACCESSORIES

Outside Corner Tab  1. DOR1-13	Inside Corner Tab  1. DOR1-14	Flexible Corner Tab  1. DOR1-15
Corner Tab Adhesive  1. WHI58A-1	Edge Moulding Adhesive  1. WHI58S-1	Quilted stainless steel overlay sheet Overlay sheet 48" x 112" x 22 Ga. 1. NEC21554811 48" x 110"
18" x 18" Reefer Gasket Corner Kit  1. NEC21551818 18" x 18"		

6.2 “New Cell” Swing Doors & Accessories

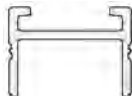
6.2.1: NEWCOURT™ “NEW CELL” COMPOSITE SWING DOOR

- * Environmentally friendly, recyclable polymer core.
- * Structural honey comb core design for lightweight/high strength
- * Impervious to moisture, no rotting & resists warping
- * Approximately 55% lighter than plymetal door

Part Number	Thickness	A	B	Outside Finish	Inside Finish
DOR3-25	.72"	49"	121"	.024" White aluminum	26 Ga. galvanized
DOR3-26	.72"	49"	110"	.024" White aluminum	20 Ga. galvanized

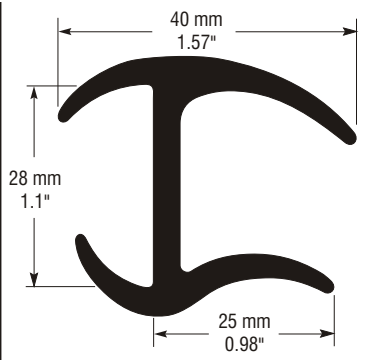
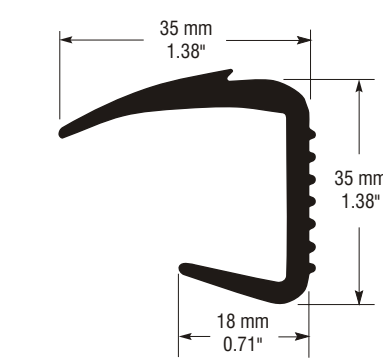
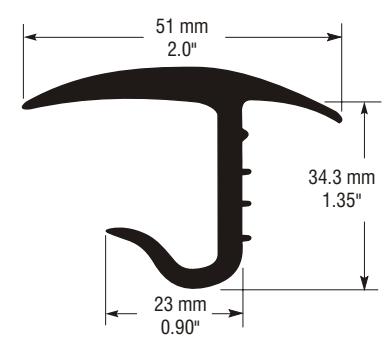
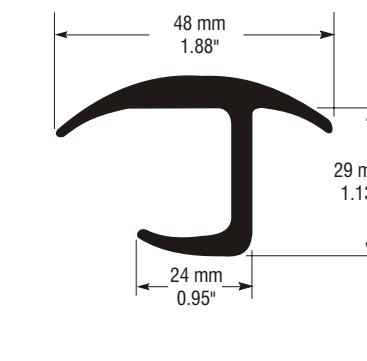
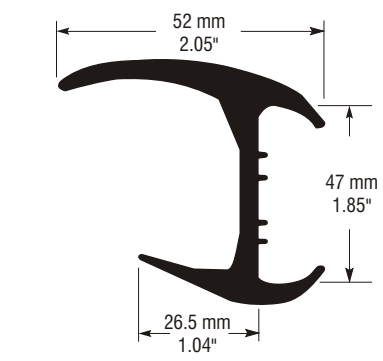
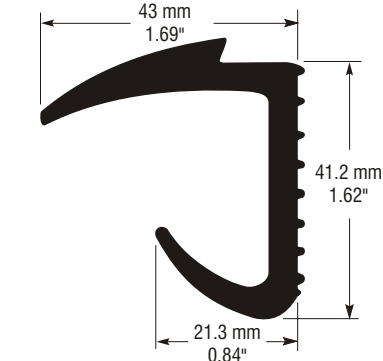
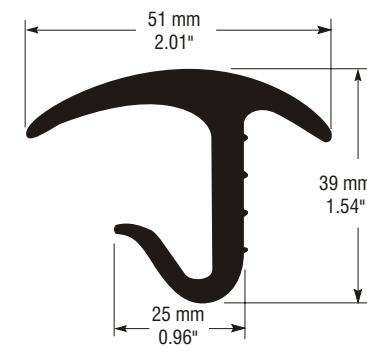
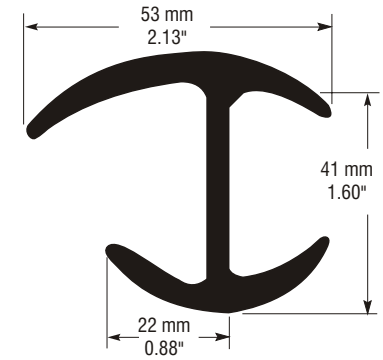
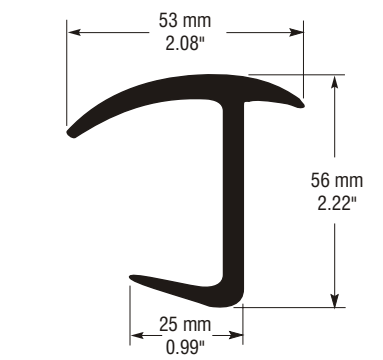
Note: Use Ferrule part number NEC618804 (1/2" x 5/8") to attach door hardware.

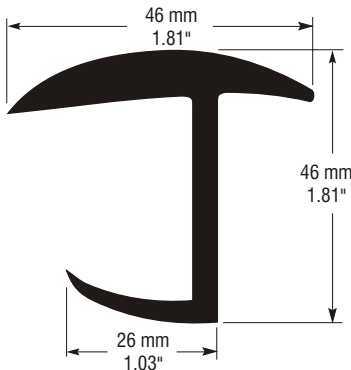
6.2.2: NEWCOURT™ “NEW CELL” DOOR SEALS & RETAINERS

.72" x 14' Retainer	14' Black Vinyl Seal	14' Complete Assembly
		
1. NEC6942071	1. NEC6927771	1. NEC6927771ASSY

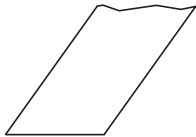
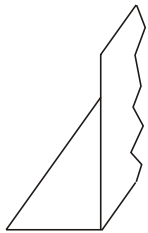
6.3 Gaskets & Frames

6.3.1: GASKETS (EPDM MATERIAL)

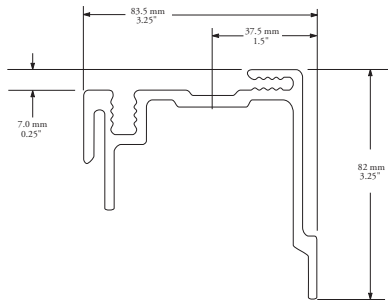
 40 mm 1.57" 28 mm 1.1" 25 mm 0.98"	 35 mm 1.38" 35 mm 1.38" 18 mm 0.71"	 51 mm 2.0" 34.3 mm 1.35" 23 mm 0.90"
1. RB-06	1. RB-03	1. RB-04
 48 mm 1.88" 29 mm 1.13" 24 mm 0.95"	 52 mm 2.05" 47 mm 1.85" 26.5 mm 1.04"	 43 mm 1.69" 41.2 mm 1.62" 21.3 mm 0.84"
1. RB-05	1. RB-07	1. RB-11
 51 mm 2.01" 39 mm 1.54" 25 mm 0.96"	 53 mm 2.13" 41 mm 1.60" 22 mm 0.88"	 53 mm 2.08" 56 mm 2.22" 25 mm 0.99"
1. RB-12	1. RB-42	1. RB-43

 1. 1353		
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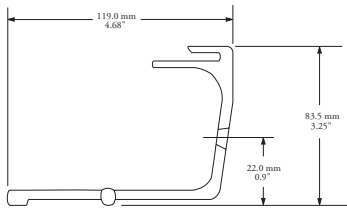
6.3.2: DOOR GASKET RETAINER STRIPS

 1" x 96" 1. 1734RETST Matl: 20GA Galvanized Steel	 1/2" x 1" x 96" 1. 1734RETSTAN Matl: 20GA Galvanized Steel	 1" x 96" 1. 1734RETSTSS Matl: 20GA Galvanized Steel
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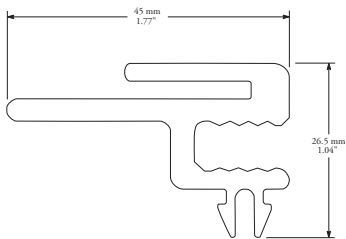
6.3.3: DOOR FRAMES



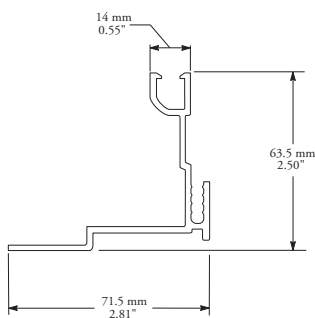
1. 39RFDF1398
Matl: PVC



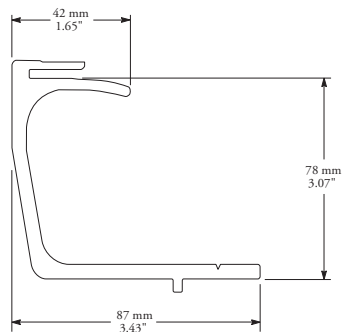
1. 39RFDF1400
Matl: PVC



1. 40RF006454701
Matl: PVC



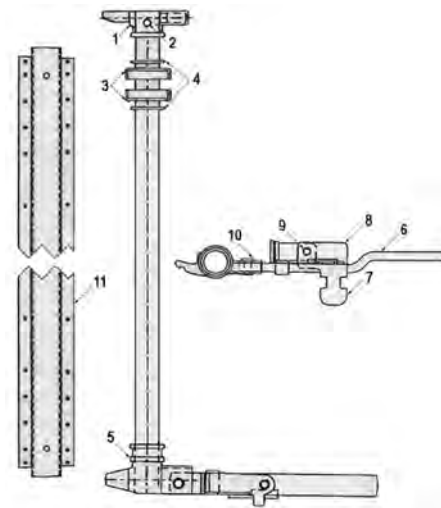
1. 40RF001564405
Matl: 6061-T6 Aluminum



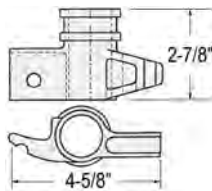
1. 40RF006455601
Matl: PVC

6.4 Swing Door Locks & Accessories

6.4.1: WABASH REAR SWING DOOR LOCK ASSEMBLY

Part Number	Code	Description	Figure
WAB06301816	1	C/S upper lock rod cam	
WAB06301817	1	R/S upper lock rod cam	
WAB06301819	2	1/4" spring pin	
WAB06301830	3	Lock rod channel cap	
WAB06301829	4	1/8" thick thrust bearing	
WAB06301529	4	1/16" thick thrust bearing	
WAB06301530	4	1/4" thick thrust bearing	
WAB06301814	5	C/S lower lock rod cam	
WAB06301815	5	R/S lower lock rod cam	
WAB06301818	6	Door latch handle	
WAB06301821	7	C/S door latch tongue	
WAB06301822	7	R/S door latch tongue	
WAB06301823	8	C/S door latch lever	
WAB06301824	8	R/S door latch lever	
WAB06301820	9	Latch pin	
WAB06301540	10	3/8" rivet	
WAB06A01029	11	111.9" aluminum lock rod cover	
WAB06A00988	11	111.9" PPW aluminium lock rod cover	
WAB06301827	-	C/S S/S upper lock rod keeper	
WAB06301828	-	R/S S/S upper lock rod keeper	
WAB06301826	-	S/S lower lock rod keeper	
WNCPI0621 x 120"	-	L & R beaing kit	THESE PARTS ARE NEEDED IN THE ASSEMBLY BUT ARE NOT SHOWN IN THIS FIGURE

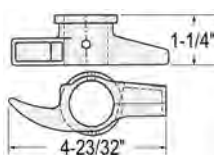
Lower Lock Rod Cam



curbside shown

- | | |
|----------------|-----|
| 1. WAB06301814 | C/S |
| 2. WAB06301815 | R/C |

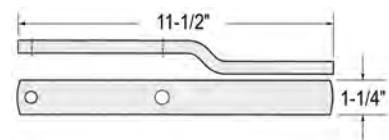
Upper Lock Rod Cam



curbside shown

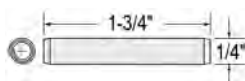
- | | |
|----------------|-----|
| 1. WAB06301816 | C/S |
| 2. WAB06301817 | R/S |

Door Latch Handle



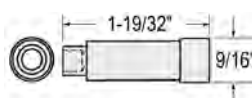
- | |
|----------------|
| 1. WAB06301818 |
|----------------|

1/4" Spring Pin



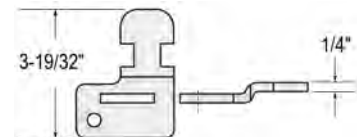
- | |
|----------------|
| 1. WAB06301819 |
|----------------|

Security Latch Pin



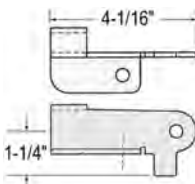
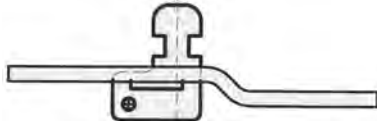
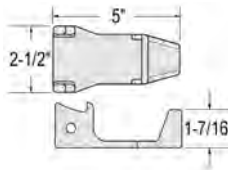
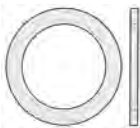
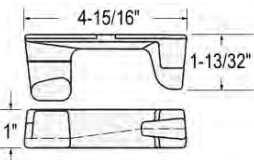
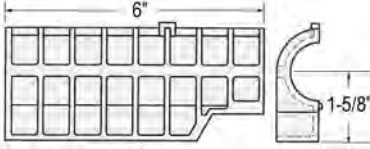
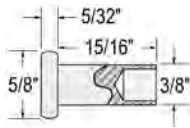
- | | |
|----------------|-----|
| 1. WAB06301820 | S/S |
|----------------|-----|

Door Latch Tongue



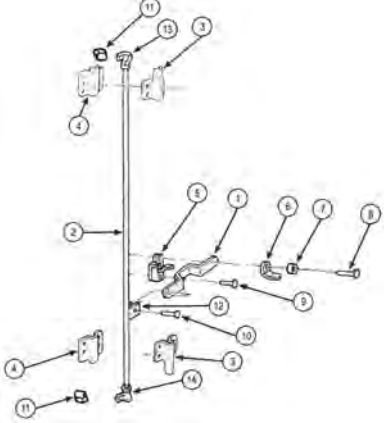
curbside shown

- | | |
|----------------|-----|
| 1. WAB06301821 | C/S |
| 2. WAB06301822 | R/S |

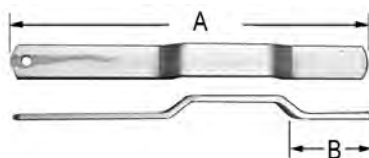
Door Latch Lever  curbside shown <table><tr><td>1. WAB06301823</td><td>C/S</td></tr><tr><td>2. WAB06301824</td><td>R/S</td></tr></table>	1. WAB06301823	C/S	2. WAB06301824	R/S	Handle & Latch Assembly  -C = WAB06301821 & WAB06301818 -R = WAB06301822 & WAB06301818 <table><tr><td>1. WAB06301825-C</td><td>C/S</td></tr><tr><td>2. WAB06301825-R</td><td>R/S</td></tr></table>	1. WAB06301825-C	C/S	2. WAB06301825-R	R/S	Lower Lock Rod Keeper  <table><tr><td>1. WAB06301826</td><td>S/S</td></tr></table>	1. WAB06301826	S/S		
1. WAB06301823	C/S													
2. WAB06301824	R/S													
1. WAB06301825-C	C/S													
2. WAB06301825-R	R/S													
1. WAB06301826	S/S													
Lock Rod Thrust Bearing  1-7/8" OD 1-11/32" ID <table><tr><td>1. WAB06301829</td><td>1/8" thick</td></tr><tr><td>2. WAB06301529</td><td>1/16" thick</td></tr><tr><td>3. WAB06301530</td><td>1/4" thick</td></tr></table>	1. WAB06301829	1/8" thick	2. WAB06301529	1/16" thick	3. WAB06301530	1/4" thick	Upper Lock Rod Keeper  curbside shown <table><tr><td>1. WAB06301827</td><td>C/S S/S</td></tr><tr><td>2. WAB06301828</td><td>R/S S/S</td></tr></table>	1. WAB06301827	C/S S/S	2. WAB06301828	R/S S/S	Lock Rod Channel  1-7/16" OD <table><tr><td>1. WAB06301830</td><td>S/S</td></tr></table>	1. WAB06301830	S/S
1. WAB06301829	1/8" thick													
2. WAB06301529	1/16" thick													
3. WAB06301530	1/4" thick													
1. WAB06301827	C/S S/S													
2. WAB06301828	R/S S/S													
1. WAB06301830	S/S													
Bearing Sleeve  <table><tr><td>1. WNCPI062-1</td><td>L & R bearing kit</td></tr></table>	1. WNCPI062-1	L & R bearing kit	Lock Rod Cover  <table><tr><td>1. WAB06A01029</td><td>Aluminum</td></tr><tr><td>2. WAB06A00988</td><td>PPW alum.</td></tr></table>	1. WAB06A01029	Aluminum	2. WAB06A00988	PPW alum.	3/8" Rivet  <table><tr><td>3. WAB06301540</td><td>S/S</td></tr></table>	3. WAB06301540	S/S				
1. WNCPI062-1	L & R bearing kit													
1. WAB06A01029	Aluminum													
2. WAB06A00988	PPW alum.													
3. WAB06301540	S/S													

6.4.2: FRUEHAUF SWING DOOR LOCK ASSEMBLIES

6.4.2.1: FRUEHAUF REAR SWING DOOR LOCK ASSEMBLY

Part Number	QTY	Description	Item	Figure
FRUDCF3528-900	1	Kit		
FRUDCF3525-1	1	Handle	1	
FRUDCF3528-801	1	Universal lock rod	2	
FRUDCF3522-1*	2	Lock rod strap	3	
FRUDCF3527-1*	2	Wear plate	4	
FRUDCF3532-1	1	Handle bracket	5	
FRUDCF3531-1	1	Handle latch	6	
FRUDCF3524-1	1	Spacer	7	
FRUDCC7908-7*	1	Rivet 3/8" x 1-5/16"	8	
FRUDCC7908-8*	1	Rivet 3/8" x 1-1/2"	9	
FRUDCC7908-6*	1	Rivet 3/8" x 1-1/8"	10	
FRUWCF1376-1	2	Cam keeper	11	
FRUDCD0288-1	1	Handle strap	12	
FRUDCF3529-1	1	Cam	13	
FRUDCF3529-2	1	Cam	14	
* items not included in kit, for reference purposes only				

Part Number	Qty	Description	Item	Figure
FRUDCF3528-800	1	Kit		
FRUDCF3528-801	1	Lock rod		
FRUDCF3529-1	1	Cam		
FRUDCD0288-1	1	Handle bracket		



	A	B
1. FRUDCD0292-1	14-1/2"	4-3/4"
2. FRUDCE8361-1	16-11/16"	6-5/16"



1. FRUDCF3532-1 Handle bracket



1. FRUDXA0227 Lock pin guide



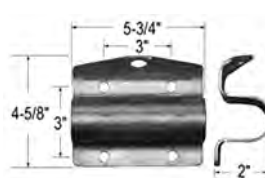
1. FRUWCF1376-1 Keeper



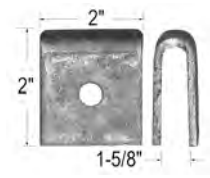
1. FRUDCF3531-1 Handle latch



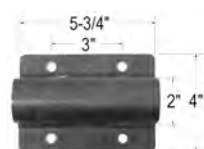
1. FRUDXA0228 Lock rod back plate



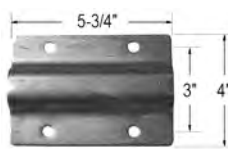
1. FRUDCF2139-1 Lock rod guide



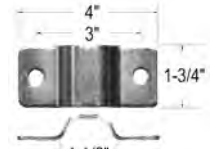
1. FRUDCD0288-1 Handle strap



1. FRUDCF2136-1 Lock rod guide



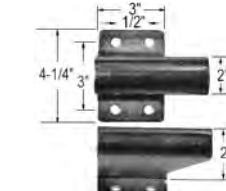
1. FRUDCF2137-1 Lock rod guide



1. FRUDCF2138-1 Guide back plate


 1. FRUDCE7834-1 .69" lock rod guide
 2. FRUDCE7834-2 .75" lock rod guide

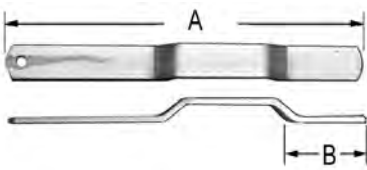

1. FRUDCF3521-1 Guide back plate



1. FRUDCF3522-1 Guide back plate

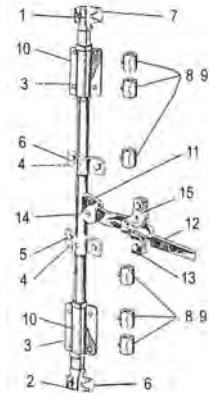
		
1. FRUDCF3526-1 Guide back plate	1. FRUDCF3527-1 Guide back plate	1. FRUDCF3524-1 Spacer
		
1. FRUDCC7908-9 Rivet A = 3/4" 2. FRUDCC7908-1 Rivet A = 1-3/4" 3. FRUDCC7908-6 Rivet A = 1-5/8" 4. FRUDCC7908-7 Rivet A = 1-5/16"	1. FRUDCF3529-1 C/S cam lock 2. FRUDCF3529-2 R/S cam lock	1. FRUDCF3520-1 Anti-theft plate

6.4.2.2: FRUEHAUF SWING DOOR COMPONENTS

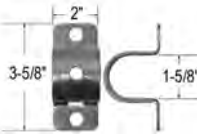
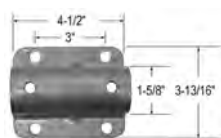
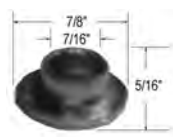
		
1. FRUDCF6797-1 Hinge assembly	1. FRUWCE8339-1 Side door keeper	1. FRUDCE8363-1 Latch
		
1. FRUWCE8338-1 Hinge butt	1. FRUDCE8361-1 Door handle A = 16-11/16" B = 6-5/16"	

6.4.3: MTR SWING DOOR LOCK ASSEMBLY & ACCESSORIES

6.4.3.1: MTR SWING DOOR LOCK ASSEMBLY

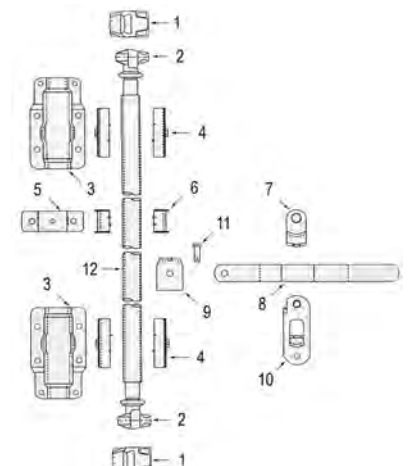
Part Number	Number	Description	Qty	Figure
MTR10080	1	RH cam	1	 Right Hand Shown
MTR10081	2	LH cam	1	
MTR10159-1	3	Bearing back plate	2	
MTR10160	4	Guide back plate	2	
MTR10163	5	Front guide	2	
MTR10364	6	LH keeper	1	
MTR10365	7	RH keeper	1	
MTR10556	8	1/2" Nylon bushing	6	
MTR10557	9	1/2" Nylon bushing	6	
MTR11028	10	Bearing bracket	2	
MTR22084	11	Handle hub	1	
MTR22182	12	Handle	1	
MTR22183	13	Handle retainer	1	
MTR22185	14	Bushing	1	
MTR22192	15	Latch	1	

6.4.3.2: MTR SWING DOOR COMPONENTS

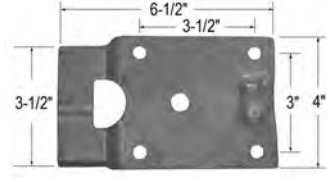
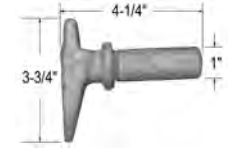
 1. MTR10163 Front guide	 1. MTR10159-1 Bearing back plate	 1. MTR10160 Guide back plate
 1. MTR10080 RH cam 2. MTR10081 LH cam	 1. MTR10364 LH keeper 2. MTR10365 RH keeper	 1. MTR10556 1/2 nylon bushing 2. MTR10557 1/2 nylon bushing
 1. MTR11028 Bearing bracket	 1. MTR22084 Handle hub	 1. MTR22182 Handle
 1. MTR22183 Handle retainer	 1. MTR22185 Bushing	 1. MTR22192 Latch

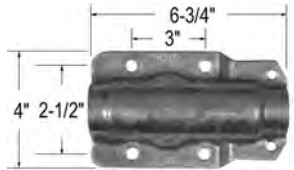
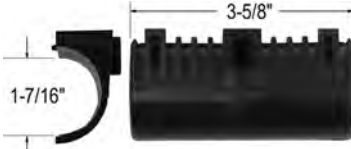
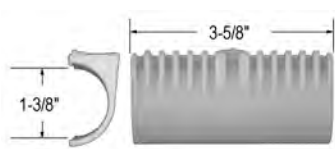
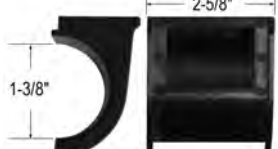
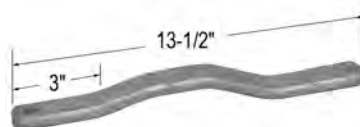
6.4.4: POWERBRACE (MINER) SWING DOOR LOCK ROD ASSEMBLY & ACCESSORIES

6.4.4.1: POWERBRACE (MINER) SWING DOOR LOCK ROD ASSEMBLY

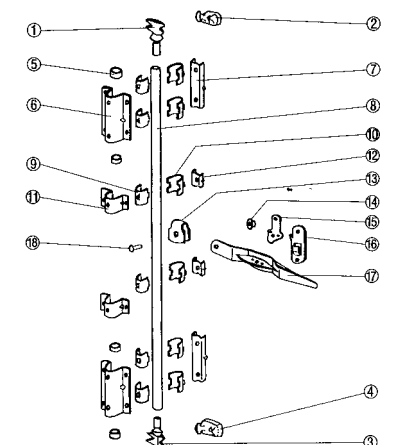
Part Number	Number	Description	Qty	Figure
MTRDL-BU		Kit—No lock rod, standard cams	1	
MTRDLNH120LH		LH kit with lock rod, narrow header	1	
MTRDLNH120RH		RH kit with lock rod, narrow header	1	
MTR1064	1	Keeper	2	
MTR4043	2	LH cam	2	
MTR4044		RH cam	2	
MTR4207	3	Guide plate	2	
MTR4042	4	Half bushing	4	
MTR4005	5	Rod guide	1	
MTR4006	6	Half bushing	2	
MTR4012	7	Seal pin	1	
MTR4090	8	Handle	1	
MTR4208	9	Handle mount	1	
MTR4011	10	Seal plate	1	
MTR4049	11	Rivet 13/32" x 1-1/8"	1	
STL21644900	12	1" x 120" Galvanized pipe	1	
For narrow header use				
MTR4140	1	Keeper	1	
MTR4141	2	LH cam	1	
MTR4142		RH cam	1	

6.4.4.2: POWERBRACE (MINER) SWING DOOR COMPONENTS

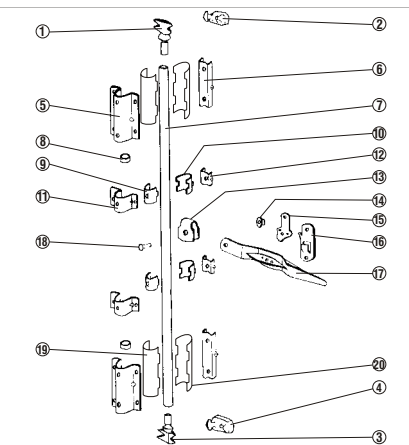
 Lock Rod and Strap Not Included	120" Galvanized Pipe with Handle attached Bottom Cam Attached Top Cam Sent Loose (Cut to Length) MIN4043/MIN4044 Cams	
1. MTRMC1166 Mid-camlock	1. MTRPDLNHTLHDG120LH LH 2. MTRPDLNHTLHDG120RH RH	1. MTR4004 Door guide
 Left hand shown	 Left hand shown	 Left hand shown
1. MTR2091 LH cam 2. MTR2092 RH cam	1. MTR4043 LH cam 2. MTR4044 RH cam	1. MTR4153 LH cam 2. MTR4154 RH cam

 Left hand shown 1. MTR2497 LH cam 2. MTR2498 RH cam	 1. MTR4054 Keeper	 Left hand shown 1. MTR4155-7 LH keeper 2. MTR4156-7 RH keeper
 1. MTR1064 Keeper	 1. MTR4005 Rod guide	 1. MTR4207 Guide plate
 1. MTR4042 Half bushing	 1. MTR4007 Half bushing	 1. MTR4006 Half bushing
 1. MTR4012 Galv. seal pin 2. MTR4012-1 Seal Handle	 1. MTR4090 Galv. handle 2. MTR4090-1 Handle	 1. MTR4208 Galv. handle mount 2. MTR4208-1 Handle mount
 1. MTR4011 Galv. seal plate 2. MTR4011-1 Seal plate	 1. MTR4049Rivet 13/32" x 1-1/8"	

6.4.5: BLOXWICH REAR DOOR HARDWARE

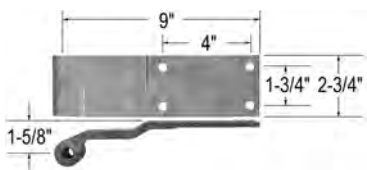
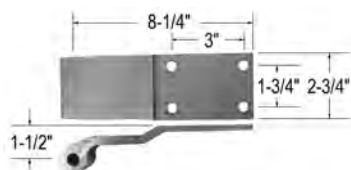
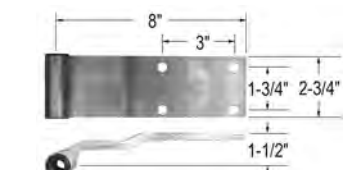
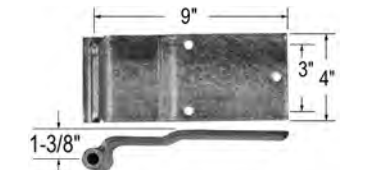
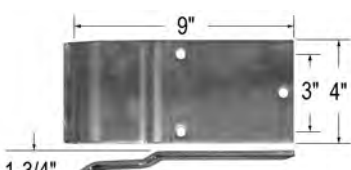
Item Number	Part No.	US	Description	Figure
1	BCP 10081	1	CAM L.H.	
2	BCP 10365	1	KEEPER L.H.	
3	BCP 10080	1	CAM R.H.	
4	BCP 10364	1	KEEPER R.H.	
5	BCP 10178	4	ANTI RACK RING	
6	BCP 11028	2	BEARING BRACKET OUTER LARGE	
7	BCP 10159/1	2	BEARING BRACKET INNER LARGE	
8	N.D.	1	TUBE 34 mm dia X 3.2 thk	
9	BCP 10557	6	UPPER SHORT SPLIT BUSH	
10	BCP 10556	6	LOWER SHORT SPLIT BUSH	
11	BCP 10163	2	BEARING BRACKET OUTER SMALL	
12	BCP 10060	2	BEARING BRACKET INNER SMALL	
13	BCP 22084	1	HANDLE HUB	
14	BCP 22185	1	BUSH	
15	BCP 22192	1	CATCH	
16	BCP 22183	1	RETAINER PLATE	
17	BCP 22162	1	HANDLE	
18	BCP 10038/1	1	RD/RIVET 9.5 mm x 28.5 mm	

6.4.6: BLOXWICH REAR DOOR HARDWARE

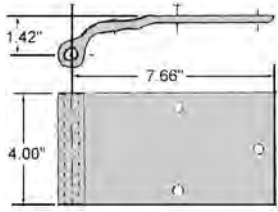
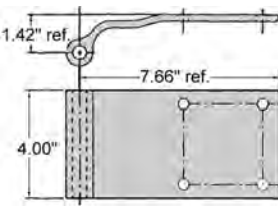
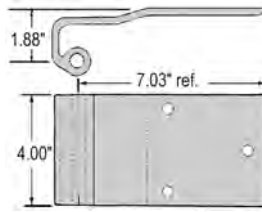
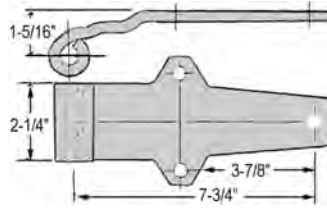
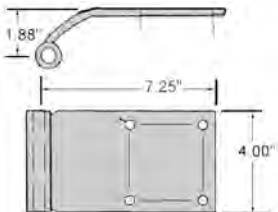
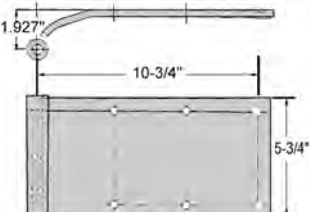
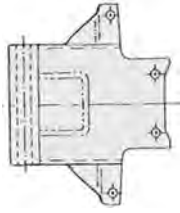
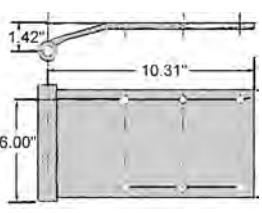
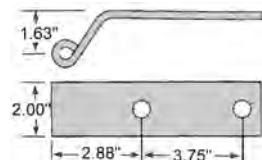
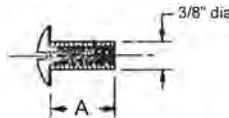
Item Number	Part No.	US	Description	Figure
1	BCP 10081	1	CAM L.H.	
2	BCP 10153	1	KEEPER L.H.	
3	BCP 10080	1	CAM R.H.	
4	BCP 10152	1	KEEPER R.H.	
5	BCP 10983/3	2	BEARING BRACKET OUTER LARGE	
6	BCP 10159/1	2	BEARING BRACKET INNER LARGE	
7	N.D.	1	TUBE 34 mm dia X 3.2 thk	
8	BCP 10176	2	ANTI RACK RING	
9	BCP 10557	6	UPPER SHORT SPLIT BUSH	
10	BCP 10556	6	LOWER SHORT SPLIT BUSH	
11	BCP 10163	2	BEARING BRACKET OUTER SMALL	
12	BCP 10160	2	BEARING BRACKET INNER SMALL	
13	BCP 22084	1	HANDLE HUB	
14	BCP 22185	1	BUSH	
15	BCP 12229	1	CATCH	
16	BCP 22183F	1	RETAINER PLATE	
17	BCP 22182	1	HANDLE	
18	BCP 10038/1	1	RD/RIVET 9.5 mm x 28.5 mm	
19	BCP 10555	2	UPPER MEDIUM SPLIT BUSH	
20	BCP 10554	1	LOWER MEDIUM SPLIT BUSH	

6.5 Swing Door Hinges

6.5.1: WABASH DOOR HINGES

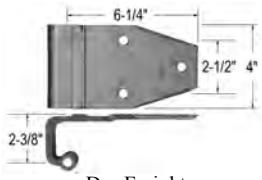
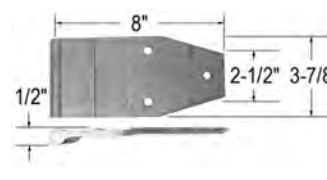
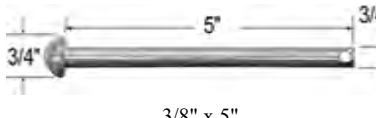
 1. WAB06300291 4 Hole alum.	 1. WAB06301272 4 Hole alum.	 1. WAB06301527 Alum. P1089
 1. MTRH1081-3 3 Hole steel	 1. WABRHD100014 7 Hole steel	 1. WAB06S01838 3 Hole S/S
 1. WAB06S03293 S/S		

6.5.2: FRUEHAUF DOOR HINGES & ACCESSORIES

 1. FRUDBA1583-1 3 Hole alum.	 1. FRUBCF4678-1 4 Hole alum.	 1. FRUDCF8627-1 3 Hole alum.
 1. FRUDCF3980-1 4 Hole steel 2. PEN60-04 4 Hole steel	 1. FRUBCE3439-1 4 Hole steel	 1. FRUDCB7039-1 3 Hole steel
 1. FRUDCE8681-1 4 Hole steel 2. PEN60-02 4 Hole steel	 1. FRUDCF1892-1 6 Hole steel	 1. FRUDCF0451-1 6 Hole steel
 1. FRUDCE7825-1	 1. FRUDCF8423-1 3 Hole steel	 1. FRUDCF4222-1 6 Hole steel
 1. FRUDXA0687 Steel Reefer 2. FLT022-00013 Steel Reefer	 Nut for FRUDXA0687 1. FRUDXA0686-PK1 A = .75" 2. FRUDXA0686-PK2 A = .50"	 Bolt for FRUDXA0687 1. FRUDXA0696-PK1 A = 7/8" 2. FRUDXA0696-PK2 A = 1-1/8"

6.5.3: OTHER MANUFACTURER'S SWING DOOR HINGES & ACCESSORIES

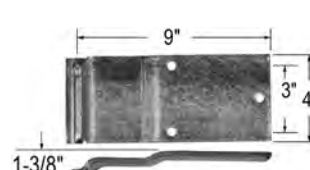
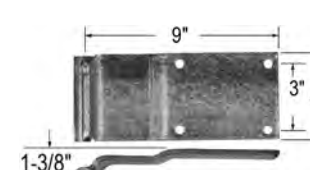
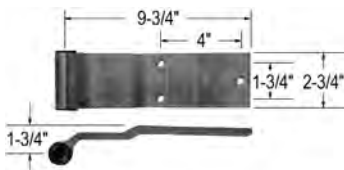
6.5.3.1: GREAT DANE STYLE SWING DOOR HINGES & ACCESSORIES

 Dry Freight 1. GDA08138 3 Hole alum.	 Reefer 1. GDA08206 3 Hole alum.	 1. GDA022-01007 3 Hole alum. 2. FLT022-01007
 1. GDA31800904 4 Hole alum.	 1. GDA44573 Hinge pin	

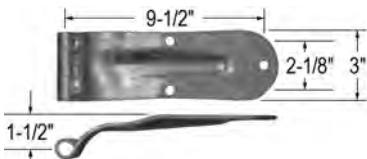
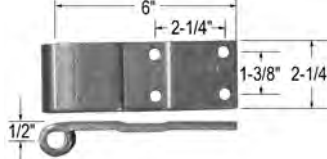
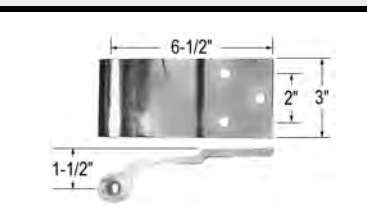


6.5.3.2: POWERBRACE (MINER) STYLE SWING DOOR HINGES & ACCESSORIES

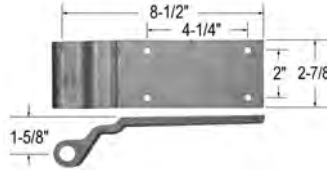
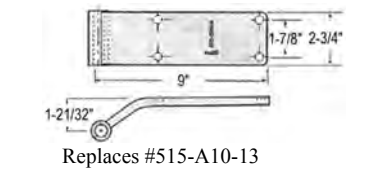
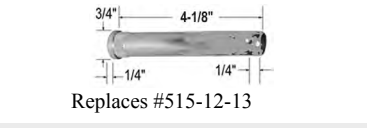
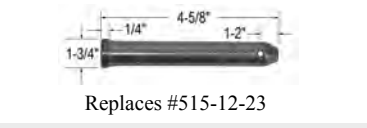


Miner Style  3 Hole galvanized steel 1. MTRH1060-3 5/16" thick 2. MTRH1081-3 1/4" thick 3. MTRH1081-3Z 1/4" thick w/ zerk	Miner Style  1. MTRH1078-3 3 Hole galv. steel	Miner Style  1. MTRH1060-4 4 Hole steel 2. MTRP108550 4 Hole aluminum
Miner Style  1. MTRP108630 3 Hole aluminum with nylon insert	Miner Style  1. PEN60-09 5 Hole Steel 2. FLT023-00559	

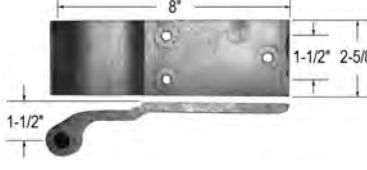
6.5.3.3: STRICK STYLE SWING DOOR HINGES & ACCESSORIES

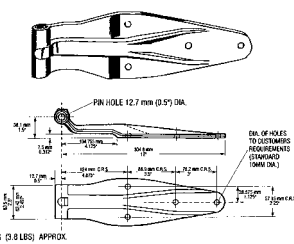
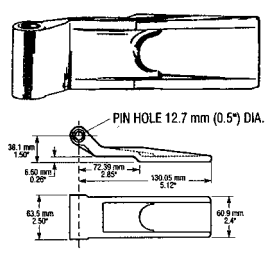
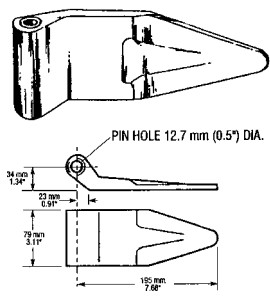
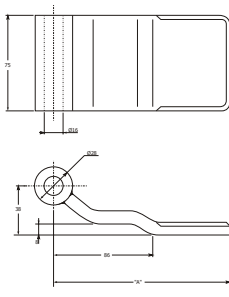
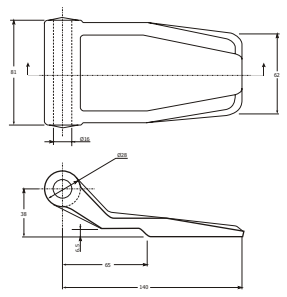
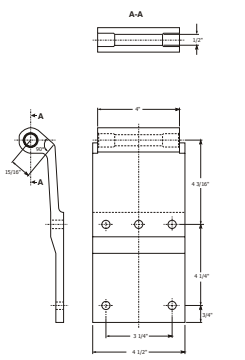
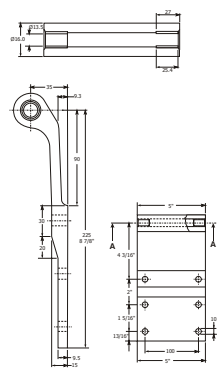
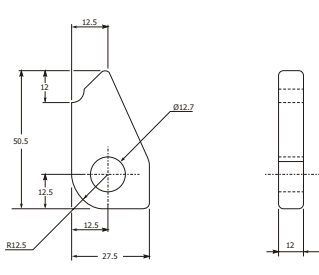
 1. STRAA33C-0106-01 3 Hole steel	 1. FLT021-00025 3 Hole steel	 1. STR6A-23557 4 Hole steel
 Replaces #6A-22679 1. FLTFE021-00006 3 Hole steel	 1. FLT022-01003 3 Hole alum	 1. STRMDRHBWELD325 Hinge butt

6.5.3.4: TRAILMOBILE STYLE SWING DOOR HINGES & ACCESSORIES

 Replaces #515-10-61A 1. TMB515-10-61A 3 Hole steel	 Replaces #515-10-73A 1. TMB515-10-73A 3 Hole steel	 Replaces #515-10-78-1 1. TMB21041433 4 Hole alum
 Replaces #515-A10-13 1. TMB515-A10-13 4 Hole steel	 Replaces #515-11-29 1. TMB15-11-29 Hinge butt	 Replaces #515-11-37 1. TMB515-11-37 Hinge but
 Replaces #515-12-13 1. TMB515-12-13 Hinge pin	 Replaces #515-12-23 1. TMB515-12-23 Hinge pin	

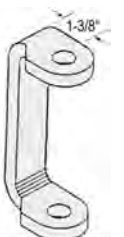
6.5.3.5: MISCELLANEOUS SWING DOOR HINGES & ACCESSORIES

MONON Style	PINES Style	STOUGHTON Style
 1. MONDH032282 3 Hole alum	 1. PNEAE54111 3 Hole alum	 1. STO04-08316-000-00 4 Hole alum

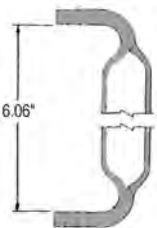
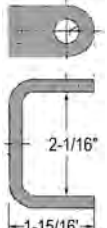
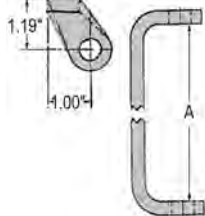
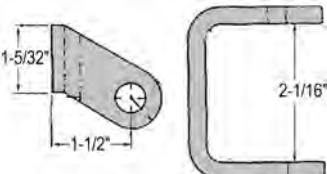
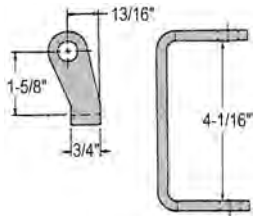
UTILITY Style  1. UTI1-4950-071 3 Hole steel	UTILITY Style  1. UTI3-6101-08 3 Hole alum	 1. BCP 10045
 1. BDP 11026	 1. BDP 10402 / HF 900	 1. 21H702 Press Type Door Hinge
 1. 21HF004 Forging Type Door Hinge	 1. 86RFHIN5 Door Gear - Hinge	 1. 86RFHIN6 Door Gear - Hinge
 1. 21CHPN-001/1 Hinge Pin	 1. 21L2220 Bloxwich Hinge Lug	

6.6 Swing Door Hinge Butts & Hinge Pins

6.6.1: WABASH SWING DOOR HINGE BUTTS

	1-7/8" Offset			1-3/8" Offset			1-3/8" Offset
1. WAB06300556	2.75" S/S		1. WAB06300297 2. WAB06300588	3" Steel 3" S/S		1. WAB06300431	4" S/S

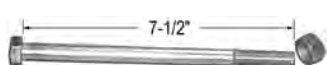
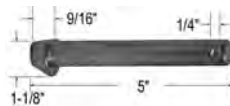
6.6.2: FRUEHAUF SWING DOOR HINGE BUTTS

	6.06"			2-1/16"			4-1/16"		
1. FRUWCF2456-1	6" Steel		1. FRUWXA0562-1	2" Steel		1. FRUWCE9567-1	4" Steel		
	1.19"	1.00"		1-5/32"	1-1/2"		13/16"	1-5/8"	3/4"
1. FRUWCF3981-1 2. FRUWCF3981-2	A = 4" Steel A = 6" Steel		1. FRUWUB1513-1	2" Steel		1. FRUWCF0321-1	4" Steel		

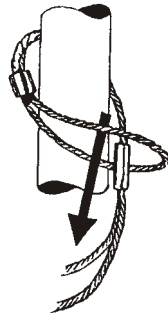
6.6.3: OTHER MANUFACTURER'S SWING DOOR HINGE BUTTS

	1-7/8"	4-3/8"		1-3/8"	4-1/4"		1-3/8"	4-1/4"
1. FLT023-00641	4" Steel		1. FLT023-00664	4" Steel		1. MTRHB1156-6-1 2. MTRHB1156-6-5	Steel Galvanized	

6.6.4: SWING DOOR HINGE PINS

DORSEY Style  1/2" x 4" 1. FLT997-98022 Steel	FRUEHAUF  1. FRUWCE7812-1 A = 5" Steel 2. FRUWCE7812-2 A = 7" Steel	FRUEHAUF  1. FRUWXA0605-PK1
FRUEHAUF  1. FRUWCE7812-902 Steel 5 per kit	GREAT DANE Style  1. GDA44573 3/8" x 5"	MINER Style  1. MTRHP1054-12
MINER Style  1. MTRHP1054-9 S/S	TRAILMOBILE Style  1. TMB515-12-13 5/8" x 4-1/8"	TRAILMOBILE Style  1. TMB515-12-23
WABASH  1. WAB06S00938 1/4" S/S		

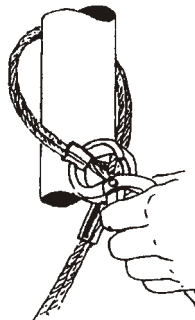
6.6.5: CONTAINER DOOR TIES



1. Wrap around bar.
2. Feed end into small loop.
3. Slip small loop over main ferrule.



4. Push sliding ferrule along the tie until loop is tight.



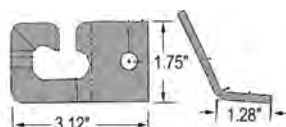
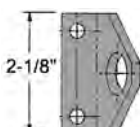
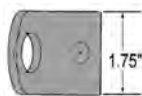
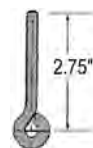
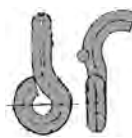
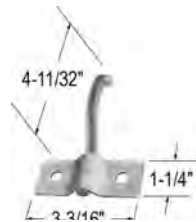
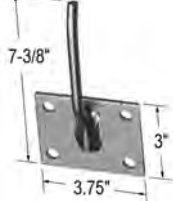
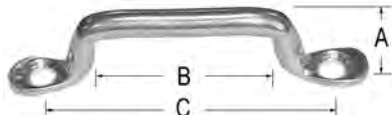
5. Pinch ferrule firmly onto the wire rope so that it will not slip back, taking care not to cut into either rope or ferrule.

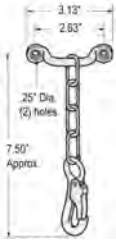
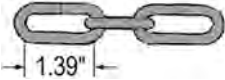
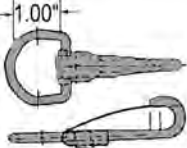
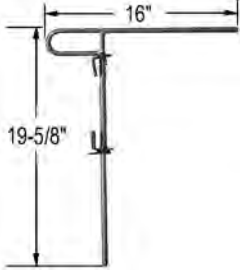


6. Job done!

1. 84DT

6.7 Swing Door Holdbacks & Accessories

		
1. POL9 2. POL8 3. 9F A = 4" A = 6" Holdback only	1. FRUDCF5691-1 2. FRUDCF5691-2 R/S C/S	1. FRUDCE7835-1
		
1. FRUDCF3523-1	1. FRUCB9693-PK1	1. FRUDUB6643-1
		
1. FRUCF2751-1	1. MTR06S01194 Galv.	1. MTR06300015
		
1. MTRA1300003 Galv.	1. FRUXCD0262-1	1. FRUDCF8141-1 Door stop
		
1. EBH6602-50 Hold back post	1. EBH6603-50 Hold back post	1. FLT022-00070 Hold back post
HD Footman Loop 	Footman Loop 	
1. EBH9611 2. POL55-201 Cast S/S	1. WABA1300018 A = 1/2" B = 1-3/8" C = 2-1/8" 2. FRUXAS1009-1 A = 9/16" B = 1-5/8" C = 2-5/8" 3. WABA1300017 A = 5/8" B = 2-1/8" C = 3-1/8" 4. FLT021-00043 A = 3/4" B = 1-5/8" C = 2-5/8"	

		
1. FLT021-00051	1. FRUDXA0705-2Chain	1. FRUDCF3585-2Chain
	 Link	
1. FRUDCF5927-2Chain	1. FRUDCC7478-11" Link 2. EBH6601-22" Link 3. EBH6601-34" Link 4. EBH6601-46" Link	1. FRU525461Chain & snap
		
1. WAB06300576Chain & snap	1. FRUDCF2758-1Chain snap	1. MTR063000581/2" Galv. Steel
	 Wabash Reefer Hold Back	 Reefer Hold Back
1. MTR063000597/16"	1. WAB06300094Spring style	1. DORMDRHBREEFSpring style

6.8 Door Seals & Locks

6.8.1: HIGH SECURITY SEAL



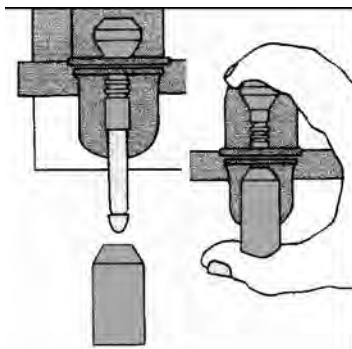
The core of the seal is made of metal. The core has a diameter of 18 mm (0.7 inch), which makes it impossible to knock the seal through the fittings of the container. The core is cast into a shock-proof plastic material. The exterior diameter of the lock is 19 mm (0.8 inch).



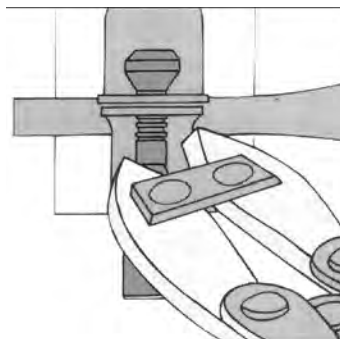
Your name will be stamped in dark blue print on one side of the cylinder (max. 9 letters), and a consecutive 7-digit number on the other side. Barcoding and unique company logos can also be engraved by special laser technique at an additional charge.

1. Construction

1. Name and Number



The locking bar and the cylinder are easily locked by a slight pressure by the hand and a distinct click is heard. The locking mechanism of each single seal has been tested electronically. The locking mechanism has been greased for anti-corrosion, which also secures an easy locking.



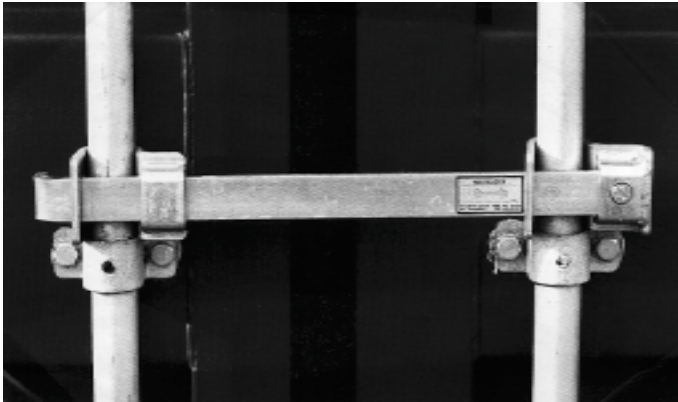
The seal is opened by a 24-inch bolt cutter.

1. Locking

1. Opening

COLORS: The seals are available in blue, red, green, yellow, grey and white. Orders for a minimum quantity of 50,000 seals can be delivered in your special color combination.

6.8.2: HIGH SECURITY LOCK



NAVALOCK® MK V provides the highest degree of antitheft security available today, combined with an approved sealing feature. It pays for itself by reducing the number of insurance claims, the cost of processing them and by eliminating the heavy penalties imposed by some Customs. NAVALOCK® MK V is the first of its kind since the introduction of containers into the shipping world. Easy to fit, no special skills or tools are required, its robust design fits most standard containers. It conforms to U.S. Customs requirements and is certified as a High Security Seal. The heavy locking bar (10 x 32 mm) make breaking into the container difficult. The breakload is over 3.5 tons, as witnessed by A.B.S. and N.K. Classification Societies. It resists cutting by double lever shears; breaking by hammer, crowbar, or other crude tools.

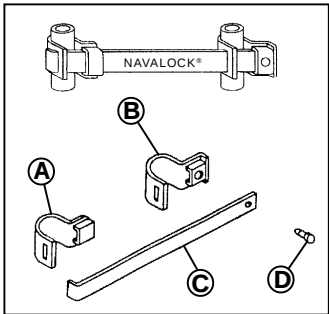


Fig. 1

1. T74NLMKV

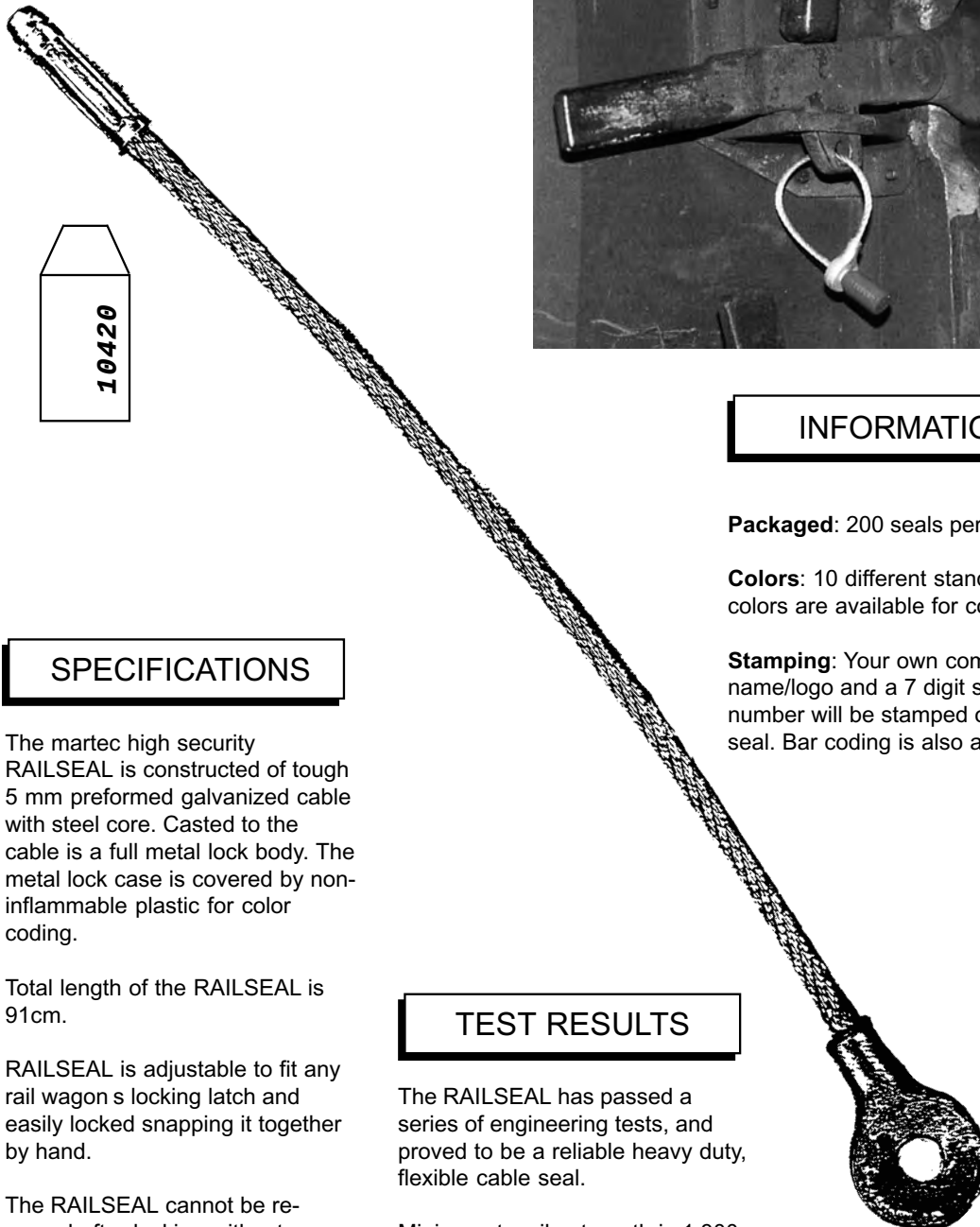
Installation

- A. Insert the "U" shaped **Gripping Bracket** (Fig. 1A) behind one of the inner rods of the container doors and about half way up from the bottom of the container.
- B. Insert the "U" shaped **Locking Mechanism Assembly Bracket** (Fig. 1B) behind the adjacent inner rod of the opposite door and facing the Gripping Bracket.
- C. Insert the **Sliding Locking Bar** (Fig. 1C) through the Gripping Bracket, across to, and engaging into the Locking Mechanism Assembly Bracket. Check to make sure that the holes of the Locking Mechanism Assembly Bracket and the Sliding Locking Bar are aligned. Adjust if necessary by slightly moving the Sliding Locking Bar, or removing it, inverting 180° and reinserting it.
Note: The bent part of the bar must face the door.
- D. Insert and push in the **Locking Pin** (Fig. 1D) by hand into the hold of the Locking Mechanism Assembly Bracket, making sure that it passes through the hole in the Sliding Locking Bar, until the pin's head is flush with the casing. The pin "clicks" distinctively as it grips into the mechanism, permanently locking, securing and sealing the container doors. This concludes the fitting procedure of the NAVALOCK® MK V Security System.

Removal & Technical Specifications

- A. Removal of the NAVALOCK® MK V is accomplished by cutting the Sliding Locking Bar, which is conveniently done by a hand-held power-driven disc. This tool is widely available worldwide and this cutting procedure can be carried out at the container terminal or receiver's warehouse.
- B. Standard NAVALOCK® MK V locking range is for container doors where the maximum pitch of the inner door rods is **350 mm (center to center, ± 2 mm)**. Extra long locks are available by special order. Please contact your local representative.
- C. The main components of the NAVALOCK® MK V constructed **6-10 mm** thick, which is nearly double and sometimes triple that of the container panels or roof structure. They also equal or exceed thicknesses of most of the door's locking fittings.
- D. The NAVALOCK® MK V comes packed in carton boxes containing **5 sets** each. The total weight per standard length set is **~2.05 kg** and per carton weight is **~10.5 kg** accordingly.

6.8.3: RAILSEAL



SPECIFICATIONS

The martec high security RAILSEAL is constructed of tough 5 mm preformed galvanized cable with steel core. Casted to the cable is a full metal lock body. The metal lock case is covered by non-flammable plastic for color coding.

Total length of the RAILSEAL is 91cm.

RAILSEAL is adjustable to fit any rail wagon s locking latch and easily locked snapping it together by hand.

The RAILSEAL cannot be removed after locking without revealing evidence of tampering.

TEST RESULTS

The RAILSEAL has passed a series of engineering tests, and proved to be a reliable heavy duty, flexible cable seal.

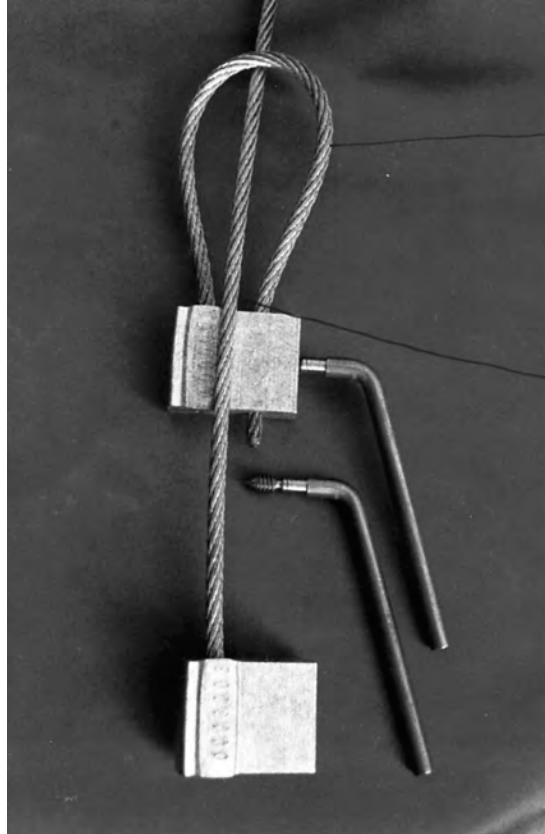
Minimum tensile strength is 1.300 kilos.

INFORMATION

Packaged: 200 seals per carton.

Colors: 10 different standard colors are available for coding.

Stamping: Your own company name/logo and a 7 digit serial number will be stamped on the seal. Bar coding is also available.

6.8.4: CABLE SEAL

These units are ruggedly constructed with solid block aluminum case and strong 9-inch steel cable (longer lengths available by special request). A positive-locking hidden threaded screw locking device is furnished with each unit. When tightened securely, the lock screw is then recessed and holds cable securely against removal. When locked, the cable can withstand over 4000 lbs. of pull pressure. Handle of the locking device must be broken off and disposed of. The cable seal cannot be removed without using bolt cutters and is ideal for standard storage containers, railroad car doors and tank cars.

Cable seals come with your name or initials (no more than 7 letters) and consecutive numbering on each seal free of charge.

1. 69MINICAB

6.8.5: FLAT METAL SEAL



This seal is our basic flat metal strip seal, which has been tested and approved by leading shippers, underwriters and governmental agencies.

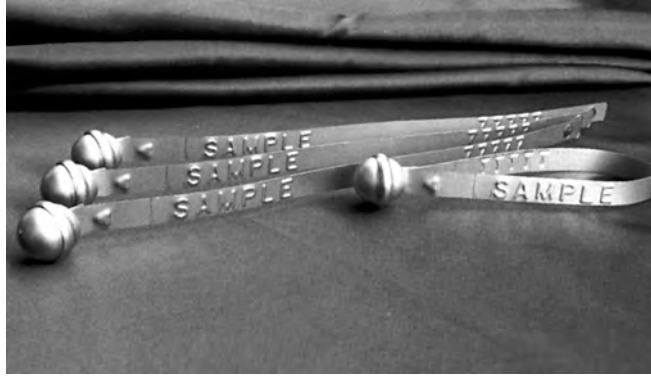
The Premier Seal is the most basic form of tamper-resistant seals, with sturdy crimped sides and strong spring snap. It seals itself quickly and easily and requires no punches or presses. It is a sure signal that a shipment has been delivered intact and as loaded. It allows protection at low-level cost and saves time and money in your warehouses and packaging facilities.

Included in the low price are your name or initial (up to 15 letters) and consecutive numbering embossed on each seal.

Different colors, changes in numbering or lettering are also available.

1. 69PREMSEAL

6.8.6: GLOBE SEAL



The patented Globe Seal provides sure protection for shipments in transit. Once the two spring rings click shut the Globe Seal cannot be resealed.

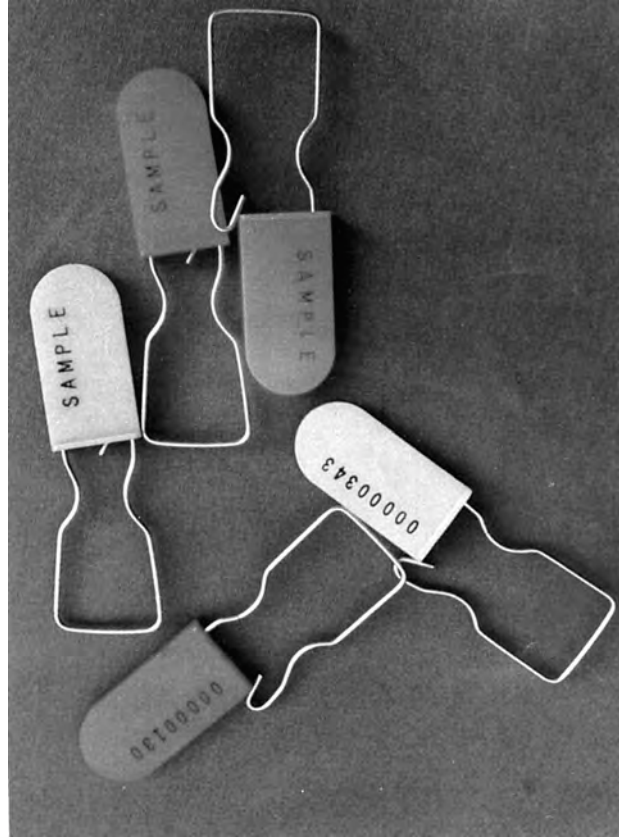
The Globe Seal is an immediate and reliable indicator that goods and materials are received exactly as shipped.

Your name or initials (no more than 18 letters) and consecutive numbering are embossed on each seal free of charge.

Different colors, extra lettering or changes in numbers are an extra fee.

1. 69GLOBE

6.8.7: PLASTIC CLIP SEAL



The Plastic Clip Seal provides instant identification of tampering at penny costs. With an intact plastic seal, tampering is less likely to occur since it cannot go undetected.

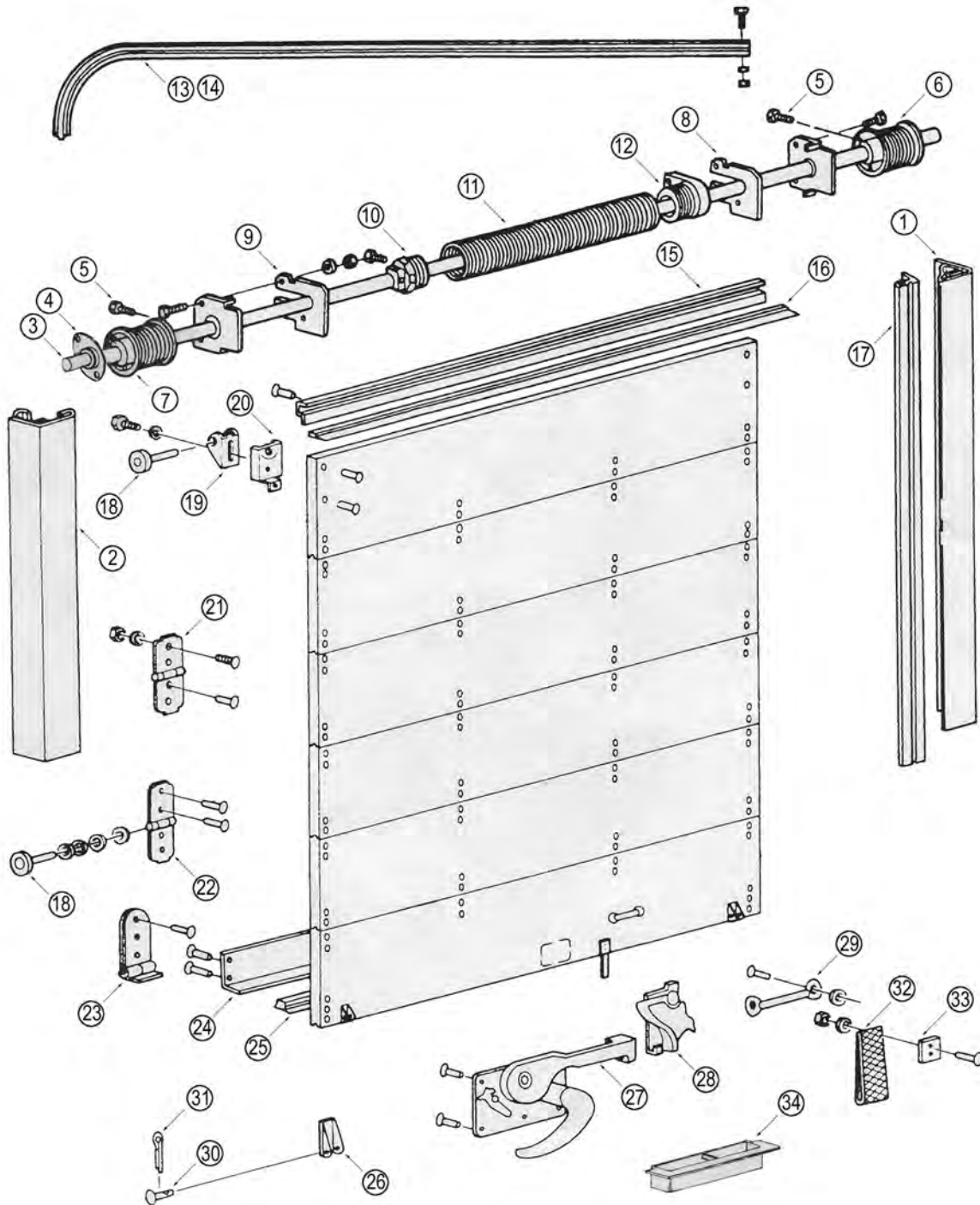
The seals are self-locking with just a push of a finger and once closed cannot be opened without being broken or cut. Available in the color of your choice for visibility, the plastic padlock seal is ideal for sealing utility or other meters, switches, containers, medical items, instruments and valves.

The tough plastic body and wire hasp (stainless steel hasp also available), resist rust and corrosion. The Plastic Clip Seals are inexpensive, lightweight, and imprinted with your company name or coding at no additional cost to you. Free sequential numbering is also available to identify seals that may have been tampered with, then replaced.

Your shipment is worth the few pennies to maximally protect your valuables,

6.9 Todco Roll-Up Doors, Door Panels & Accessories

6.9.1: EXPLODED VIEW OF TODCO 3/4" DRY FREIGHT DOOR

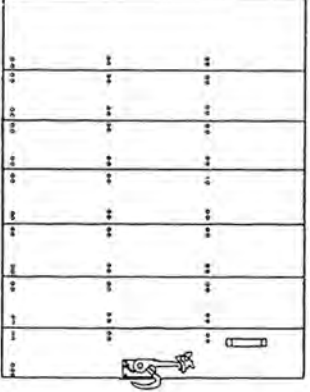


6.9.2: DETAIL OF TODCO 3/4" DRY FREIGHT DOOR

Item	Part Number	Description
1	TOD49014-1	C/S vertical track
2	TOD49014-2	R/S vertical track
3	TOD51037	Counter balance shaft 90"
	TOD51037-3060	Counter balance shaft 95-5/8"
4	TOD51038	Bearing assembly
5	TOD80300-2414	Hex head set screw—3/8" x 7/8"
6	TOD59129-1	C/S cable drum
7	TOD59129-2	R/S cable drum
8	TOD51036-1	C/S spring angle bracket
9	TOD51036-2	R/S spring angle bracket
10	TOD51043	Spring anchor plug 1-3/4" ID
11	TOD51042	Spring 1-3/4" ID x 57"
12	TOD59158	Winding slug 1-3/4" spring
13	TOD49702-1	C/S horizontal track
14	TOD49702-2	R/S horizontal track
15	TOD61403	Retainer head seal
16	TOD61402	Head seal
17	TOD61390	Side seal 115"
18	TOD61174	1" Rollers
19	TOD69431	Top hinge slide
20	TOD69432	Top hinge base
21	TOD61196	Center hinges
22	TOD69035	End hinges
23	TOD61352	Bottom hinges
24	TOD61191-90	Bottom angle 90"
	TOD61191-95	Bottom angle 95"
25	TOD80840-90	Bottom seal 90"
	TOD80840-96	Bottom seal 96"
26	TOD61204	Cable anchor
27	TOD69571	Security lock
28	TOD69572	Keeper Assembly
29	TOD61401	Handle
30	TOD61206	Cable pin
31	80401-316	Cotter pin—3/32" x 1"
32	TOD80844-XX	Pull strap (see Section 2.9.5)
33	TOD69832	Pull strap retainer
34	TOD69341	Latch box
35	TOD29013-15x90	Top panel (see Section 2.9.4.1)
36	TOD29014-11X90	Intermediate panel (see Section 2.9.4.2)
37	TOD29016-11X90	Bottom panel (see Section 2.9.4.3)

6.9.3: TODCO & TODCO STYLE ROLL-UP DOORS

6.9.3.1: TODCO & TODCO STYLE 3/4" LIGHT GRAY PLASTIC COATED ROLL-UP DOORS

TODCO Part Number	Pro-Par Part Number	Description	Figure
TOD99610-1	MTRD90100C	90" x 100" complete	
TOD99611-1		90" x 90" complete	
TOD99861-1	MTRD90105C	90" x 105" complete	
TOD99836-1		96" x 100" complete	
TOD99837-1	MTRD96105C	96" x 105" complete	
TOD99838-1	MTRD96112C	96" x 112" complete	
TOD99610-2	MTRD90100L	90" x 100" LTO	
TOD99611-2		90" x 90" LTO	
	MTRD90105L	90" x 105" LTO	
TOD99836-2		96" x 100" LTO	
TOD99837-2	MTRD96105L	96" x 105" LTO	
TOD99838-2	MTRD96112L	96" x 112" LTO	

Complete = track & operator included
LTO = less track & operator

Universal door kits are boxed and partially assembled.
All necessary hardware to mount the door is included. The hardware included are hinges, door rivets, door cables, door track, lock, operator and operator brackets.

6.9.4: TODCO & TODCO STYLE ROLL-UP DOOR REPLACEMENT PANELS

6.9.4.1: 3/4" PLASTIC COATED ROLL-UP DOOR TONGUE & GROOVE REPLACEMENT PANELS

 Top		
 Intermediate		
3/4" T&G Top Panel		
TODCO Part Number	Pro-Par Style Part Number	Size
TOD29013-15X90		15" x 90"
TOD29013-15X96		15" x 96"
3/4" T&G Intermediate Panel		
TOD29014-11X90		11" x 90"
TOD29014-12X90		12" x 90"
TOD29014-15X90	MTRD751590TI	15" x 90"
TOD29014-11X96	MTRD751196TI	11" x 96"
TOD29014-12X96	MTRD751296TI	12" x 96"
TOD29014-13X96	MTRD751396TI	13" x 96"
TOD29014-15X96	MTRD751596TI	15" x 96"
TOD29014-18X96	MTRD751896TI	18" x 96"
TOD29014-11X98	MTRD751198TI	11" x 98"
TOD29014-12X98	MTRD751298TI	12" x 98"
TOD29014-13X98		13" x 98"
TOD29014-15X98	MTRD751598TI	15" x 98"
TOD29014-18X98		18" x 98"

		
3/4" T&G Bottom Panel		
TODCO Part Number	Pro-Par Style Part Number	Size
TOD29016-11X90		11" x 90"
TOD29016-12X90		12" x 90"
TOD29016-15X90		13" x 90"
TOD29016-15X90		15" x 90"
TOD29016-1-11X96	MTRD751196TB	11" x 96"
TOD29016-12X96	MTRD751296TB	12" x 96"
TOD29016-13X96	MTRD751396TB	13" x 96"
TOD29016-15X96	MTRD751596TB	15" x 96"
TOD29016-18X96	MTRD751896TB	18" x 96"
TOD29016-1-11x98		11" x 98"
	MTRD751298TB	12" x 98"
	MTRD751398TB	13" x 98"
	MTRD751598TB	15" x 98"
TOD29016-18X98		18" x 98"
Note: Bottom Panels include: TOD61191 Bottom angle TOD80840-1 Bottom seal TOD61401 Lift Handle TOD61204 Bottom fixture TOD80844 Pull strap		

3/4" T&G Intermediate Panel (COLOR)		
Todco Part Number	Color	Size
TOD29014-11x95.25PPY	Various	11" x 95.25"

6.9.4.2: TODCO ALUMINUM CLAD ROLL-UP DOOR REPLACEMENT PANELS

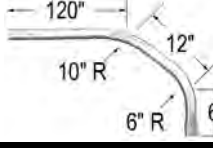
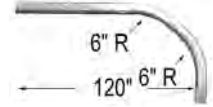
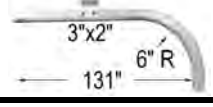
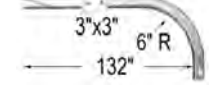
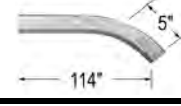
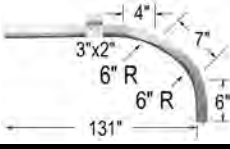
			
3/4" T&G Intermediate Panel		3/4" T&G Bottom Panel	
Part Number	Size	Part Number	Size
TOD29018-11X96	11" x 96"	TOD29020-12X96	12" x 96"
TOD29018-12X96	12" x 96"	TOD29020-15X96	15" x 96"
TOD29018-13X96	13" x 96"	Bottom panel includes no hardware	
TOD29018-15X96	15" x 96"		

6.9.4.3: TODCO SPECIALTY ROLL-UP DOOR REPLACEMENT PANELS

Part Number	Size	Description
TOD29842-12X97	12" x 97"	1" white aluminum clad bottom panel with lock and hardware
TOD29842-17X97	17" x 97"	1" white aluminum clad bottom panel with lock and hardware
TOD29842-9X97	9" x 97"	1" white aluminum clad bottom panel with lock and hardware
TOD29843-15X97	15" x 97"	1" white aluminum clad intermediate panel
TOD29844-15X97	15" x 97"	1" grey aluminum clad bottom panel with lock and hardware
TOD29695-2860REVDKIT21	12" x 89-1/2"	1" white aluminum clad bottom panel with lock and hardware
TOD29695-3056RVDKIT16	12" x 95-1/2"	1" white aluminum clad bottom panel with lock and hardware
TOD29701-2860REVDKIT14A	12" x 96-3/4"	1" white aluminum clad intermediate panel
TOD29701-3056RVDKIT9	12" x 95-1/2"	1" white aluminum clad intermediate panel
TOD29789-2860REVDKIT1A	8-1/4" x 97"	1" white aluminum clad bottom panel with special bottom seal
TOD29794-3060RKT33	12" x 97"	1" white aluminum clad bottom panel with lock and hardware
TOD29795-3060RVDKIT28	12" x 96"	1" white aluminum clad intermediate panel
TOD29800-2864REVBKIT30	12" x 97"	1" white aluminum clad intermediate panel

6.9.5: TODCO & TODCO STYLE DOOR TRACK AND ACCESSORIES

6.9.5.1: TODCO & TODCO STYLE HORIZONTAL RACKS

TODCO Part Number	Pro-Par Part Number	Description	Figure
TOD49513-1		C/S	
TOD49513-2		R/S	
TOD49513-1/TOD49513-2		Set	
TOD49653-1		C/S	
TOD49653-2		R/S	
TOD49653-1/49653-2		Set	
TOD49702-1	MTRD416000	C/S	
TOD49702-2	MTRD415000	R/S	
TOD49702-1/49702-2		Set	
TOD49721-1		C/S	
TOD49721-2		R/S	
TOD49864-1		C/S	
TOD49864-2		R/S	
TOD49864-1/49864-2		Set	
TOD49895-5		C/S	
TOD49895-6		R/S	
TOD41040-1		C/S	
TOD41040-2		R/S	
TOD41042		C/S	
TOD41043		R/S	
TOD49464-1		C/S	
TOD49464-2		R/S	

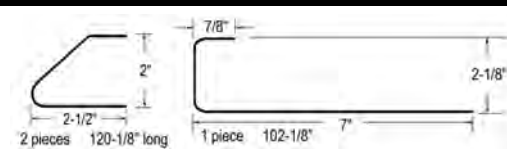
6.9.5.2: TODCO & TODCO STYLE VERTICAL TRACKS

TODCO Part Number	Pro-Par Part Number	Description	Figure
TOD49014-1	MTRD412000	C/S	 119"
TOD49014-2	MTRD411000	R/S	
TOD49014-1/49014-2		Set	
TOD49458-1		C/S	 110"
TOD49458-2		R/S	
TOD49499-1		C/S	 98"
TOD49499-2		R/S	
TOD49562-1		C/S	 109"
TOD49562-2		R/S	
TOD49836-1		C/S	 114"
TOD49836-2		R/S	

6.9.5.3: TODCO & TODCO STYLE UNIVERSAL TRACK & OPERATOR KITS

Part Number	Description	Figure
TOD80867	Includes: Operator & brackets 2 vertical tracks 2 horizontal tracks	
DOR10-12		

6.9.5.4: TODCO & TODCO STYLE SWING DOOR TO ROLL-UP DOOR CONVERSION KITS

Part Number	Description	Figure
TOD70411-1	Includes: 2 rear posts 1 rear header	

6.9.6: TODCO & TODCO STYLE BALANCERS (OPERATORS), BRACKETS, & ACCESSORIES

6.9.6.1: TODCO & TODCO STYLE BALANCERS (OPERATORS)

 1. TOD59174 2. MTRD300000	 1. TOD59209	 1. TOD59230
 1. TOD59283-1	 1. TOD59283-2	 1. TOD59292

6.9.6.2: TODCO & TODCO STYLE BALANCER (OPERATOR) BRACKETS

 1. TOD59138-1 C/S 2. TOD59138-2 R/S	 1. TOD51036-1 C/S 2. MTRD3601000 C/S 3. TOD51036-2 R/S 4. MTRD3600000 R/S	 1. TOD59206 Bearing with bracket
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6.9.6.3: MISCELLANEOUS TODCO & TODCO STYLE BALANCER (OPERATOR) ACCESSORIES



1. TOD59129-1 C/S aluminum cable drum
2. TOD59129-2 R/S aluminum cable drum
3. TOD59129-3 C/S plastic cable drum
4. TOD59129-4 R/S plastic cable drum
5. TOD59157-3 C/S aluminum cable drum
6. TOD59157-4 R/S aluminum cable drum

A = 2-1/8"
A = 2-1/8"
A = 2-1/8"
A = 2-1/8"
A = 2-1/2"
A = 2-1/2"



1. MTRD350000 40" Spring
2. TOD59031 50-1/2" Spring
3. MTRD350200 57" Spring
4. TOD51042 57-1/2" Spring
5. TOD51042-NWT 74-3/8" Spring



1. TOD51065 50-1/2" Spring w/plugs



1. TOD59158 Spring winding plug
2. MTRD340100



1. TOD51043 Spring anchor plug
2. MTRD340000



1. TOD51037 90" Shaft
2. TOD51037-3060 95-5/8" Shaft
3. MTRD310000 95-5/8" Shaft



1. TOD51038 Bearings



1. TOD59083 Bearings

6.9.7: TODCO & TODCO STYLE DOOR CABLES

6.9.7.1: TODCO DOOR CABLES

Part Number	Size	Description	Figure
TOD51044	110"	S/S Outside application 1/4" eye	
TOD59004	115"	S/S Outside application 1/4" eye	
TOD59003	130"	S/S Outside application 1/4" eye	

6.9.7.2: TODCO STYLE DOOR CABLES

Part Number	Size	Description	Figure
TOD20658800	110"	S/S—1/4" eye	
TOD20658803	130"	S/S—1/4" eye	
TOD20658810	110"	Galvanized—1/4" eye	
TOD20658813	130"	Galvanized—1/4" eye	
TOD20658815	115"	Galvanized—1/4" eye	
WHI4020	110"	S/S—1/4" eye	
WHI4020-1	115"	S/S—1/4" eye	

6.9.8: TODCO & TODCO STYLE 1" DOOR ROLLERS

		
1. TOD61174 1" Steel	1. TOD69162 1" Sealed	1. TOD69774 1" Nylon
		
1. TOD70305 1" Steel	1. TOD70317-2 1" Steel	1. TOD80020 Roller spacer washer

6.9.9: TODCO 2" DOOR ROLLERS (WHITING STYLE)

	
Whiting Style 1. TOD70224 2" Steel	Whiting Style 1. TOD70225 2" Nylon

6.9.10: TODCO HINGES

6.9.10.1: TODCO STANDARD HINGES

		 B A
1. TOD69035 End hinge 2. TOD69035-0000-05 E-coated	1. TOD61196 Center hinge	1. TOD69431 Top slide bracket; A 2. TOD69432 Top slide base plate; B
 A & B	 C/S Shown	
1. TOD69433 Top slide assembly	1. TOD69986-1 C/S bottom plate 2. TOD69986-2 R/S bottom plate	1. TOD61352 Bottom fixture
		
1. TOD61355 Top fixture	1. TOD69265 Top fixture	

6.9.10.2: TODCO HEAVY DUTY HINGES

		
1. TOD70236 End hinge	1. TOD70238 Center hinge	1. TOD70311 Removable end hinge
 C/S shown		
1. TOD69964-1 C/S 2. TOD69964-2 R/S		

6.9.11: TODCO & TODCO STYLE DOOR SEALS & RETAINERS

 Seal comes in pairs. 1. TOD61390 115" Side Seal 2. MTRD620200 96" 3. MTRD620400 110"	 1. TOD61402 96" Head seal 2. MTRD630300	 Use TOD69790 retainer 1. TOD69718 92" Head 2. MTRD640100 92" 3. TOD69718X93 93" 4. TOD69718X96 96" 5. TOD69718X108 108"
 1. TOD69840 110" Side seal 2. MTRD620600	 1. TOD69987 97" Bottom seal	 1. TOD69897 110" Side Seal
 1. TOD70337 98-3/8" Bottom seal quick chain	 1. TOD70338 110" Side seal	 1. TOD80840-90 90" Bottom seal 2. TOD80840-96 96"
 1. TOD61403 96" Head seal retainer	 1. TOD69790X93.5 93-1/2" Head seal 2. TOD69790X96 96" Retainer 3. MTRD50000 96"	 1. TOD69988 97" Bottom seal retainer
 1. TOD69770 96" Head seal assembly	 1. TOD70001 95-1/4"	

6.9.12: MISCELLANEOUS TODCO ACCESSORIES

6.9.12.1: TODCO DOOR RIVETS

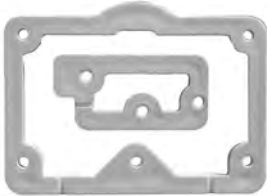
Part Number	Size	Figure
TOD89210-0032	1/4" x 1"	
TOD89210-0036	1/4" x 1-1/8"	
TOD89210-0040	1/4" x 1-1/4"	
TOD89210-0044	1/4" x 1-3/8"	
TOD89210-0048	1/4" x 1-1/2"	

6.9.12.2: TODCO & TODCO STYLE CARRIAGE BOLTS & NUTS

Part Number	Size	Description	Figure
TOD80015-0040	1/4" x 1-1/4"	Bolt only	
TOD80015-0052	1/4" x 1-5/8"	Bolt only	
ARM11300	1/4" x 1-1/4"	Bolt & star nut	
TOD89004-1	1/4" x 1-1/2"	Bolt only	

6.9.13: MISCELLANEOUS TODCO & TODCO STYLE ACCESSORIES

		
1. TOD80300-2414 Set screw	1. TOD89280-1 S/S screw	1. TOD882B Door Sleeve
		
1. TOD49070 Track cup	1. TOD49145 Track coupler	1. TOD59092 Filler plug
		
1. TOD61026 Cable anchor pin	1. TOD61191-90 90° Bottom angle 2. TOD61191-95 95-1/4°	1. TOD61204 Cable anchor bracket
		
1. TOD61401 Lift handle	1. TOD69832 Pull strap retainer	1. TOD80844-16 16" pull strap 2. TOD80844-30 30" 3. TOD80844-38 38"

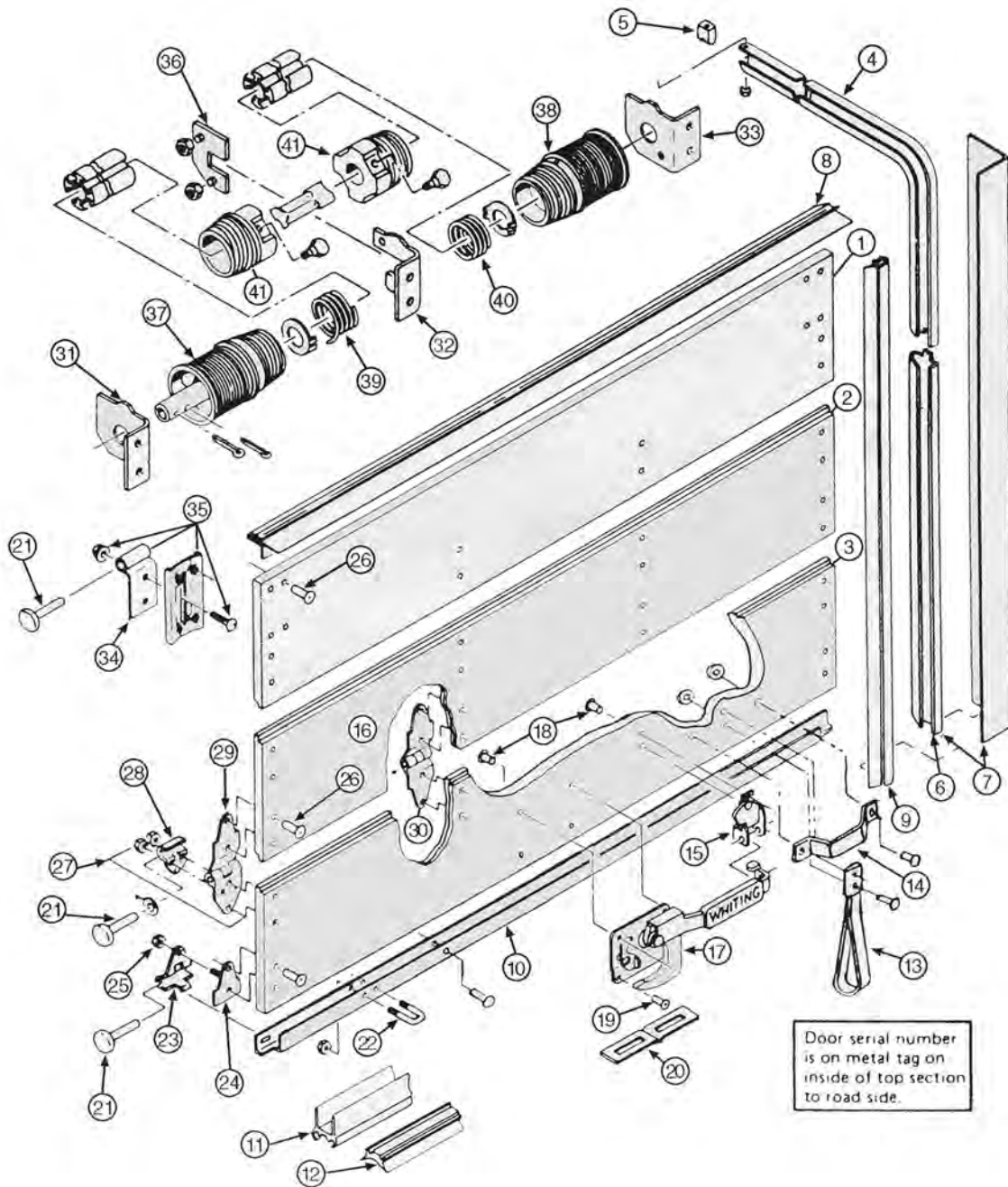
 1. TOD70306-051210" alum. fork lift plate 2. MTRD370250	 1. TOD69020 Safety chain assembly	 1. TOD61223 Safety chain lock
 1. TOD61229 Safety chain	 1. TOD69570 Lock kit	 1. TOD69571 Todco lock 2. MTRD280000 Todco style lock
 1. TOD69572 Keeper 2. MTRD281000 Keeper	 3. TOD70223 Offset lock	 4. TOD69341 Latch box
 1. TOD70057 Large nylon spacer 2. TOD70058 Small nylon spacer	 1. FRUDCE2015-1 Latch plate	1.

6.9.14: TODCO LUBRICANTS

 1. TOD39000-1006 4 oz.	 1. TOD39000-1008 12 oz.	 1. TOD39000-1016 1 gallon
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6.10 Whiting Roll-Up Doors, Door Panels & Accessories

6.10.1: EXPLODED VIEW OF WHITING 3/4" TONGUE & GROOVE DRY FREIGHT DOOR

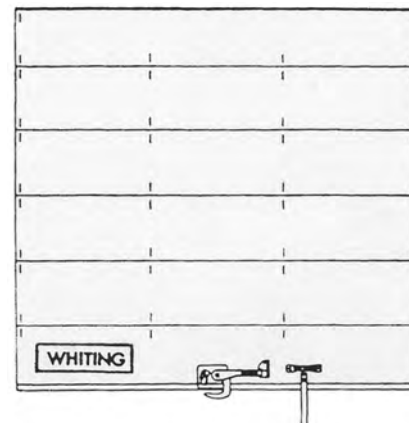


6.10.2: DETAIL OF WHITING 3/4" TONGUE & GROOVE DRY FREIGHT DOOR

Item	Part Number	Description
1	340-15X96	Top plain, plastic (use intermediate panel & cut)
2	WHI342-15X96	Intermediate plain, plastic
3	WHI346-15X96	Bottom plain, plastic
4	WHI11-4 WHI11-5	C/S 2" horizontal track 10' long R/S 2" horizontal track 10' long
5	WHI83	2" Track stop bumper
6	WHI1031	LH & RH 2" vertical track, 90" long
7	WHI2275-1 WHI2275-2	R/S 2" vertical track with angle 90" C/S 2" vertical track with angle 90"
8	WHI4032W	Top seal 96"
9	WHI5423	Side seal 100"
10	WHI18-3-77	Bottom U channel—96"
11	WHI1801-96	Bottom seal retainer—96"
12	WHI1676	Bottom seal
13	WHI23-1 23-2	Pull strap 19" Pull strap 42"
14	WHI1715	Grab handle
15	WHI7515	Handle keeper
16	WHI33	Knurled hinge pin
17	WHI77	Lock assembly—no keeper
18	WHI10-1002-42	Rivet 1/4" x 1-1/16"—3/4" head
19	WHI10-1002-9	Rivet 1/4" x 1-5/16"—1/2" head
20	WHI2804	Latch plate
21	WHI3228 WHI2996	2" Roller nylon 2" Roller metal
22	WHI70-13 WHI70-5	1-1/4" U bolt 1-1/2" U bolt
23	WHI1021	Bottom roller hinge cover
24	WHI1370	Bottom hinge bracket plate
25	WHI10-1022-1	1/4" Lock nuts
26	WHI10-1002-3	Rivet 1/4" x 1"—3/4" head
27	WHI1209-A	End hinges complete with cover
28	WHI1208	Roller hinge cover
29	WHI1207	Roller hinges
30	WHI15	Center hinges
31	WHI2524	Balance bracket roadside
32	WHI2525	Balance bracket center
33	WHI2523	Balance bracket curbside
34	WHI6943	Top closure hinges
35	WHI6944	Top hinge assembly
36	WHI2526	Balance bracket clamp
37	WHI2547	Cable drum roadside
38	WHI2548	Cable drum curbside
39	WHI2704	Torsion spring C/S
40	WHI2705	Torsion spring R/S
41	WHI2518	Winding cone

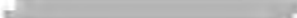
6.10.3: WHITING ROLL-UP DOORS

6.10.3.1: WHITING PREMIUM 3/4" PLASTIC COATED ROLL-UP DOORS

Part Number	Description	Figure
WHI20653751	90" x 90" Complete	
WHI20653759	90" x 100" Complete	
Includes Track & Operator, Standard Hardware—No Seal		
WHI20653752	90" x 90" LTO	
WHI20653784	90" x 100" LTO	
WHI20653782	96" x 100" LTO	
WHI20653796	96" x 107" LTO	
Less Track & Operator—No Seal		
WHI20653780	96" x 100"	
WHI20653781	96" x 107"	
Includes Track & Operator, Heavy Duty Hardware—No Seal		

6.10.4: WHITING & WHITING STYLE ROLL-UP DOOR REPLACEMENT PANELS

6.10.4.1: 3/4" SHIPLAP ROLL-UP DOOR REPLACEMENT PANELS

Whiting Part Number	Size	Description	Figure	
WHI240-15X96	15" x 96"	Top panel	 Top Panel	
WHI242-11X96	11" x 96"	Intermediate panel		
	11" X 98"	Intermediate panel		
WHI242-12X96	12" x 96"	Intermediate panel		
WHI242-13X96	13" x 96"	Intermediate panel		
WHI242-14X96	14" x 96"	Intermediate panel		
WHI242-15X90	15" x 90"	Intermediate panel		
WHI242-15X96	15" x 96"	Intermediate panel		
WHI242-15.5x96	15.5" x 96"	Intermediate panel		
WHI243-12X96	12" x 96"	Plain bottom panel	 Intermediate Panel	
WHI243-13X96	13" x 96"	Plain bottom panel		
WHI243-15X90	15" x 90"	Plain bottom panel		
WHI243-15X96	15" x 96"	Plain bottom panel		
WHI246-11X96	11" x 96"	Bottom panel complete with lock, handle, pull strap & bottom roller bracket.		 Plain Bottom Panel
WHI246-12X90	12" x 90"			
WHI246-12x96	12" x 96"			
WHI246-13X96	13" x 96"			
WHI246-15X96	15" x96"			

6.10.4.2: 3/4" TONGUE & GROOVE ROLL-UP DOOR REPLACEMENT PANELS

Part Number	Size	Description	Figure
WHI342-11X96	11" x 96"	Intermediate panel	
WHI342-12X96	12" x 96"	Intermediate panel	
WHI342-13X96	13" x 96"	Intermediate panel	
WHI342-15X98	15" x 98"	Intermediate panel	
WHI343-13x96	13" x 96"	Plain bottom panel	
WHI343-15x98	15" x 98"	Plain Bottom panel	
WHI346-11X96	11" x 96"	Bottom panel with hardware	
WHI346-12X96	12" x 96"	Bottom panel with hardware	
WHI346-15X96	15" x 96"	Bottom panel with hardware	

6.10.5: WHITING HORIZONTAL TRACKS

Part Number	Description	Figure
WHI11-2	C/S 127" R = 8"	
WHI11-3	R/S 127" R = 8"	
WHI11-4	C/S 127" R = 10"	
WHI11-5	R/S 127" R = 10"	
WHI4092	R/S 127" R = 6"	
WHI4093	R/S 127" R = 6"	

6.10.6: WHITING VERTICAL TRACKS

Part Number	Description	Figure
WHI1031	C/S or R/S—90"	
WHI4045	R/S with mtng angle—107"	
WHI4046	C/S with mtng angle—107"	

6.10.7: MISCELLANEOUS WHITING BALANCERS (OPERATORS) & ACCESSORIES

		
1. WHI2376-87 87" Balancer 2. WHI12376-200x30 90" Balancer 3. WHI2376-93 93" Balancer		1. WHI2322 Center support bracket
		
1. WHI2525 A = Center bracket 2. WHI2526 B = Clamp	1. WHI152 C/S bracket 2. WHI153 R/S bracket	1. WHI2547 R/S cable drum 2. WHI2548 C/S cable drum
		
1. WHI2518 Spring winding con.	1. WHI2704 R/S torsion spring 2. WHI2705 C/S torsion spring	1. WHI4127 C/S cable drum 2. WHI4128 R/S cable drum
		
1. WHI3187 Conversion kit from 1776 to 2376		

6.10.8: WHITING & WHITING STYLE DOOR CABLES
6.10.8.1: WHITING DOOR CABLES

Part Number	Size	Description	Figure
WHI1-1	125"	S/S 5/16" eye white	
WHI1-11-BLACK	115"	S/S 5/16" eye black	
WHI1-2	156"	S/S 5/16" eye orange	
WHI1-4	130"	S/S 5/16" eye beige	
WHI1-7	97"	S/S 5/16" eye plain	
WHI1-8	110"	S/S 5/16" eye	
WHI112-1	105"	S/S 7/16" eye yellow	
WHI112-2	115"	S/S 7/16" eye green	
WHI112-3	125"	S/S 7/16" eye red	
WHI112-4	135"	S/S 7/16" eye blue	
WHI112-6	95"	S/S 7/16" eye brown	

6.10.8.2: WHITING STYLE DOOR CABLES

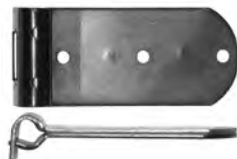
Part Number	Size	Description	Figure
DOR10-1	105"	SS 5/16" eye	
DOR10-2	110"	SS 5/16" eye	
DOR10-3	115"	SS 5/16" eye	
DOR10-4	125"	SS 5/16" eye	
DOR10-5	130"	SS 5/16" eye	
DOR10-6	105"	S/S 7/16" eye	
DOR10-7	115"	S/S 7/16" eye	
DOR10-8	125"	S/S 7/16" eye	
DOR10-9	130"	S/S 7/16" eye	
DOR10-10	145"	S/S 7/16" eye	
DOR10-11	156"	S/S 7/16" eye	
FLT1-1W	125"	Galvanized 5/16" eye	
FLT1-4W	130"	Galvanized 5/16" eye	
WHI20653821	115"	Galvanized 5/16" eye	
WHI20653818	125"	Galvanized 5/16" eye	

6.10.9: WHITING & WHITING STYLE 2" DOOR ROLLERS

		
1. WHI2996-1 2" Steel with 4" shaft	1. WHI2996 2" Steel Whiting 2. TOD70224 Todco version	1. WHI3228 2" Nylon Whiting 2. TOD70225 Todco version

6.10.10: WHITING & WHITING STYLE HINGES & BRACKETS

		
1. WHI1207 Roller hinge 2. MTRD810100	1. WHI1208 Roller hinge clamp 2. MTRD810200	1. WHI1209-A Complete roller hinge 2. MTRD810000
		
1. WHI15 Center hinge 2. MTRD810500	1. WHI6943 Top slider closure 2. MTRD820100	1. WHI6944 Top slider assembly 2. MTRD820000
		
1. WHI1021 Bottom roller hinge cover 2. MTRD830000	1. WHI1022 Bottom roller bracket	1. WHI1370 Bottom roller stud plate 2. MTRD830100
		
1. WHI1371-A Bottom bracket assembly 2. MTRD830200	1. WHI2211 Bottom roller clamp	1. WHI85 Bottom roller bracket

 "Cargo Saver" 1. WHI2915 Center hinge	 "Cargo Saver" 1. WHI8070 Roller hinge	 "Cargo Saver" 1. WHI6842 Roller clamp
 Todco Style 1. WHI4012 Center hinge	 Todco Style 1. WHI4007 Roller hinge	 Todco Style 1. WHI4003 Bottom roller brackets
 Todco style 1. WHI4038 Top slide bracket	 1. WHI1336-1 C/S top panel closure bkt 2. WHI1336-2 R/S top panel closure bkt	 1. WHI1920 Top closure mounting bkt
 1. WHI2032 Bottom roller stud plate 2. MTRD830300	 1. WHI4004 Cable anchor bracket	 1. WHI5600 Bottom roller bracket

6.10.11: WHITING DOOR SEALS & RETAINERS

		
1. WHI2531 Top seal	1. WHI4032 97-7/8" Top seal	1. WHI5423 100" Side seal 2. WHI5423-120 120"
		
1. WHI7470 Side seal insulated door	1. WHI6388 Bottom slide	1. WHI4034W Bottom seal retainer
		
1. WHI1676 Bottom seal	1. WHI1675 96" Bottom U-Channel	1. WHI18-3-70 U-channel cutout for #70 lock 2. WHI18-3-77 Cutout #77 lock
		
1. WHI18-3-90 90" 2. WHI1801-96 96"	1. WHI8280-2 Bottom channel 96"	

6.10.12: WHITING RIVETS & STEP (CARRIAGE) BOLTS

6.10.12.1: WHITING RIVETS

Part Number	Size	Head	Figure
WHI10-1002-3	1/4" x 1"	3/4"	
WHI10-1002-36	1/4" x 1-1/8"	3/4"	
WHI10-1002-4	1/4" x 1-3/16"	3/4"	
WHI10-1002-42	1/4" x 1-1/16"	3/4"	
WHI10-1002-9	1/4" x 1-5/16"	1/2"	

6.10.12.2: WHITING STEP (CARRIAGE) BOLTS & NUTS

Part Number	Size	Head	Figure
WHI10-1003-11	1/4"—20" x 1-1/2"		
WHI10-1003-2	1/4"—20" x 1-3/4"		
WHI10-1003-8	1/4"—20" x 1-1/4"		
WHI10-1022-1	1/4"—Self-locking nut		

6.10.13: MISCELLANEOUS WHITING & WHITING STYLE DOOR ACCESSORIES

 1. WHI10-1009-13 Cotter pin	 1. WHI10-1012-8 .480" x 3" Spring	 1. WHI70-13 1-1/4" U-bolt 2. MTRD830500 1-1/4" U-bolt 3. WHI70-5 1-1/2" U-bolt 4. WHI70-10 2-1/4" U-bolt
 1. WHI23 19" pull strap 2. WHI9723-1 32" pull strap 3. WHI23-2 42" pull strap	 1. WHI1092 Fork lift plate	 1. WHI1715 Grab handle
 1. WHI5803 Cable anchor	 1. WHI33 Knurled pin	 1. WHI6 7/16" Roller shaft space washer
 1. WHI83 Track stop bumper	 1. WHI882A Door Sleeve	 1. WHI2804 Latch plate
 1. WHI70 Recessed lock	 1. WHI75 Surface mount lock	 1. WHI75-10 Surface mount lock for insulated door

		
1. WHI77 Outside cam lock	1. WHI77-1 Offset cam lock	1. WHI3225 #77 Lock with inside release handle
		
1. WHI4077 General purpose duel lock	1. WHI86 Handle for lock #70	1. WHI87 Handle for lock #75
		
1. WHI70-1 Door lock cam for #70 lock	1. WHI7515 Handle keeper for #77 lock	1. WHI10-1027-1 7/8" x 6" chain link
		
1. WHI4126 8" Safety chain	1. WHI57 Safety chain lock	1. WHI59 Chain lock no chain

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7.1 Male Connectors

PHILIPS

pro-par

**I
M
PARTS**

TRAMEC

MIDLAND

7-Way Plug



Metal Housing

- | | |
|---------------|----------|
| 1. FRU299876 | Pro-Par |
| 2. MIDBE23783 | Midland |
| 3. PHI15-710 | Phillips |

7-Way Plug with Spring Guard



Metal Housing

- | | |
|----------------|----------|
| 1. PAR670-71SG | Pro-Par |
| 2. MTR23784 | IM Parts |
| 3. MIDBE23784 | Midland |
| 4. PHI15-730 | Phillips |

7-Way Plug with Spring Guard



Metal Housing

- | | |
|--------------|---------|
| 1. FRU334236 | Pro-Par |
|--------------|---------|

6-Way Plug



Metal Housing

- | | |
|---------------|---------|
| 1. FRU323617 | Pro-Par |
| 2. TRA38196 | Tramec |
| 3. MIDBE23603 | Midland |

6-Way Plug with Spring Guard



Metal Housing

- | | |
|---------------|----------|
| 1. FRU310760 | Pro-Par |
| 2. MIDBE23604 | Midland |
| 3. PHI15-630 | Phillips |

4-Way Plug with Spring Guard



Metal Housing

- | | |
|---------------|---------|
| 1. MIDBE23404 | Midland |
|---------------|---------|

4-Way Plug



Metal Housing

- | | |
|--------------|---------|
| 1. FRU258188 | Pro-Par |
|--------------|---------|

Single Pin Plug with Spring Guard



Metal Housing

- | | |
|---------------|----------|
| 1. 15-335 | Phillips |
| 2. MIDBE23102 | Midland |

7.2 Female Receptacles
PHILIPS
TRAMEC

MIDLAND
I M PARTS
**7-Way Receptacle
Circuit Breaker Split Pin**


Metal Housing Screw-Type

- | | |
|---------------|--------|
| 1. MIDBE24020 | 20 amp |
| 2. MIDBE24030 | 30 amp |
| 3. MIDBE24040 | 40 amp |

**7-Way Receptacle
20 amp Circuit Breaker Split Pin**


Metal Housing Screw-Type

- | | |
|---------------|--------|
| 1. MIDBE24120 | 20 amp |
|---------------|--------|

**Sta-Dry™ 7-Way Receptacle
Circuit Breaker Split Pin**


Metal Housing Screw-Type

- | | |
|--------------|--------|
| 1. PHI15-762 | 20 amp |
| 2. PHI15-763 | 30 amp |

**Sta-Dry™ 7-Way Receptacle
20 amp Circuit Breaker Split Pin**


Nylon Housing

- | | |
|--------------|--------|
| 1. PHI16-762 | 20 amp |
|--------------|--------|

**7-Way Receptacle
20 amp Circuit Breaker Split Pin**


Nylon Housin Screw-Type

- | | |
|--------------|------------|
| 1. 20TL50865 | Truck-Lite |
| 2. TRA38213 | Tramec |

**7-Way Receptacle
20 amp Circuit Breaker**


Metal Housing Screw-Type

- | | |
|-------------------|-----------|
| 1. FRULCC6828-1 | Solid pin |
| 2. FRULCC6828-CR1 | Solid pin |

**7-Way Receptacle
15 amp Circuit Breaker Split Pin**


Metal Housing Screw-Type

- | | |
|---------------|---------|
| 1. MIDBE24015 | Midland |
|---------------|---------|

**7-Way Receptacle
15 amp Circuit Breaker Split Pin**


Nylon Housing Screw-Type

- | | |
|--------------|--------|
| 1. TRA38341G | Tramec |
|--------------|--------|

**7-Way Receptacle
No Circuit Breaker Split Pin**


Composite

- | | |
|---------------|--------------|
| 1. MIDBE23705 | Plug-in Type |
| 2. MIDBE23707 | Screw-Type |

**7-Way Receptacle
No Circuit Breaker Split Pin**


Metal Housing Screw-Type

- | | |
|---------------|---------|
| 1. MIDBE24000 | Midland |
| 2. MIDBE24001 | Midland |

**7-Way Receptacle
No Circuit Breaker Solid Pin**


Metal Housing Screw-Type

- | | |
|-----------------|---------|
| 1. FRULCF1568-2 | Pro-Par |
|-----------------|---------|

**7-Way Receptacle
No Circuit Breaker**


Metal Housing Screw-Type

- | | |
|-----------------|-----------|
| 1. FRULXA0255-1 | Split pin |
| 2. FRULXA0255-2 | Solid pin |

7.2 Female Receptacles

Sta-Dry™ 7-Way Receptacle
No Circuit Breaker Split Pin



Metal Housing Screw-Type

1. PHI15-760 Phillips

7-Way Receptacle
No Circuit Breaker Split Pin



Metal Housing Terminal-Type

1. 20GR87240 W/terminal kit
2. 20GR87220 Receptacle only

7-Way Receptacle
No Circuit Breaker Split Pin



Metal Housing Terminal-Type

1. 20GR87250 Grote

7-Way Receptacle
No Circuit Breaker Split Pin



Metal Housing Terminal-Type

1. PHI15-720 Phillips
2. MTR23782 IM Parts

7-Way Receptacle Surface Mount
No Circuit Breaker Split Pin



Nylon Housing Terminal-Type

1. TRA38298 Tramec
2. 20TL50861 Truck-Lite

7-Way Receptacle Flush Mount
No Circuit Breaker Split Pin



Nylon Housing Terminal-Type

1. 20TL50869 Truck-Lite

Sta-Dry™ 7-Way Receptacle
No Circuit Breaker Split Pin



Nylon Housing

1. PHI16-720 Wire Insertion
2. PHI16-722 Ring Termination
3. PHI16-724 Bullet Termination
4. PHI16-726 Bullet Termination
5. w/locking clip

ISO 3731 Sta-Dry™ 7-Way Receptacle
No Circuit Breaker Split Pin



Nylon Housing

1. PHI16-726 Bullet Termination
2. w/locking clip

6 & 7-Way Receptacle
25 amp Circuit Breaker Split Pin



Metal Housing Screw-Type

1. MIDBE24220 Midland

6-Way Receptacle
No Circuit Breaker Split Pin



Metal Housing Terminal-Type

1. FRU318730 Pro-Par
2. MIDBE23602 Midland
3. PHI15-600 Philips

4-Way Receptacle
No Circuit Breaker Split Pin



Metal-Housing Terminal-Type

1. PHI15-400 Phillips
2. FRU258189 Pro-Par
3. COL1257 Cole Herse

Single Pole Receptacle



Metal-Housing Screw-Type

1. MIDBE23101 Midland
2. PHI15-320 Phillips

7-Way Receptacle
9-1/2" Tail Solid Pin



Nylon Housing

1. FRULNE1163-1 Pro-Par

7.3 Receptacle Accessories

Plug Scrubber—Male & Female  1. TOLPLUGSCRUB Pro-Par	20 amp Circuit Breaker  1. FRU957136 Pro-Par 2. MIDBE22420 Midland	30 amp Circuit Breaker  1. MIDBE22330 Midland
7-Way Plug Insert  1. MIDBE20271 Midland 2. PHI15-711 Phillips	Dust Boot  1. 20TL50890 Truck-Lite 2. MIDB205010 Midland	Adapter Body  1. PHI15-769 Phillips
Cover Replacement Kit  1. 20TL50875 Truck-Lite 2. TRA38204 Tramec	Nylon Adapter Boxes (Truck-Lite)  1. 20TL50880 Shallow, bottom access 2. 20TL50882 Deep, bottom access 3. 20TL50883 Deep, back access	Current Chaser  1. TOLCC7
Lamp & Wiring Tester  1. TOLLT-1		

7.4 Junction Boxes

7.4.1: NOSE BOXES



7.4.1.1: GROTE 7-WAY NOSE BOXES (METAL HOUSING)



Part Number	Pin Type	Circuit Breakers	Figure
20GR87830	Split pin	No	
20GR87590	Solid pin	No	



7.4.1.2: MIDLAND 15 -AMP NOSE BOXES (METAL HOUSING)



Part Number	6-Way	7-Way	Quicky Insert	Housing Only	Figure
MIDBE26100	X	X	X		
MIDBE26103		X			
MIDB26000				X	



7.4.1.3: TRUCK-LITE 7-WAY NOSE BOXES (POLY CARBONATE BODY)



Part Number	Description	Circuit Breakers	Figure
20TL50805		No	
20TL50806		15 amp	
FRULCF6721-2	Pro-Par	15 amp	
20TL50822	Right angled	No	
20TL50808	Cap latch only		
20TL50809	Cover only		
20TL87845	Cable clamp only		

7.4.2: JUNCTION BOXES & ACCESSORIES



7.4.2.1: 7-TERMINAL STYLE MIDLAND JUNCTION BOXES



Part Number	Style	Circuit Breaker	Figure
MIDBE22010	T	N/A	
MIDBE22040	T	N/A	
MIDBE22070	CB	N/A	

7.4.2.2: 6-TERMINAL STYLE MIDLAND JUNCTION BOXES

Part Number	Style	Circuit Breaker	Figure
MIDBE22080	T	Stud	
MIDBE22090	T	Flush	


7.4.3: TRUCK-LITE JUNCTION BOXES & ACCESSORIES


Part Number	Description	Figure
20TL50400*	Surface mount assembly	
20TL50800	Surface mount junction box	
20TL50820	Terminal block	
20TL50816	Junction box cap	
20TL50830	Filler plug	
*Kit contains 4 20TL50830		
20TL50401*	Backplate mount assembly	
20TL50801	Flange mount junction box	
20TL50820	Terminal block	
20TL50816	Junction box cap	
20TL50830	Filler plug	
*Kit contains 4 20TL50830		
20TL50850	Kit contains 20TL50820 4-20TL50830 & screws	

Part Number	Description	Size	Figure
20TL50840*	3/8" ID compression fitting	2 Conductor cable	
20TL50841*	1/2" ID compression fitting	4 & 5 Conductor cable	
20TL50842*	3/4" ID compression fitting	6 & 7 Conductor cable	
20TL50843*	5 Hole compression fitting	Single conductor cable	
20TL50846*	Compression fitting	4 conductor flat cable	
*3 Part fitting			
20TL50845	Jam nut for compression fitting installation	Jam nut	

7.5 Coiled Electrical Cables

7.5.1: STANDARD COILED ELECTRICAL CABLES

Part Number	Vendor	Working Length	Wiring Type	Plug Type	Figure
PHI24-4321	Phillips	12'	6 - 14, 1 - 12	Metal with spring	 For Reference Only
TEC7LGB222MG	Tectran	12'	6 - 14, 1 - 12	Metal with spring	
PHI24-9320	Phillips	12'	6 - 14, 1 - 12	Xenoy	
PHL2-812-CL	Phillips	12'	1 - 12, 6 - 10	Xenoy	
PHI24-4621	Phillips	15'	6 - 14, 1 - 12	Metal with spring	
TEC7LGB522MG	Tectran	15'	6 - 14, 1 - 12	Metal with spring	

7.5.2: ABS READY COILED ELECTRICAL CABLES

Part Number	Vendor	Working Length	Plug Type	Wiring Included	Figure
PHI30-9321	Phillips	12'	Metal with Spring	1 - 8 ga. white ground	 For Reference Only
				1 - 10 ga. red stop light	
				1 - 10 ga. blue (ABS power)	
PHI30-9620	Phillips	15'	Xenoy	4 - 12 ga. brown, black	
PHI30-9621	Phillips	15'	Metal with Springs	yellow & green	
PHI30-4921	Phillips	15'	Metal with Springs		
20TL97161	Truck-Lite	15'	Xenoy		

7.5.3: LIFT GATE CABLES (SINGLE PLUG)

Part Number	Vendor	Working Length	Plug Type	Color	Figure
PHI23-4325	Phillips	12'	Metal with spring	Green	 For Reference Only
TRA38181-12	Tramec	12'	Metal with spring	Black	
PHI23-4625	Phillips	15'	Metal with spring	Green	

7.6 Wiring

7.6.1: 7-WAY WIRE CABLE

Part Number	Wire Type	Length	Figure
ELT2-3	6-12 ga., 1-10 ga.	250'	
ELT2-30	6-12 ga., 1-10 ga.	100'	
ELT2-32	5-12 ga., 1-10 ga., 1-8 ga.	100'	
ELT2-31	7-14 ga.	100'	
ELT2-33	1-12 ga., 6-14 ga.	250'	

7.6.2: 7-WAY ABS STYLE WIRE CABLE

Part Number	Wire Type	Length	Figure
PHI3-327	4-12 ga., 2-10 ga., 1-8 ga.	100'	

7.6.3: 6-WAY WIRE CABLE

Part Number	Wire Type	Length	Figure
ELT2-2	5-14 ga., 1-12 ga.	250'	
ELT2-20	4-14 ga., 2-12 ga.	250'	
ELT2-21	6-14 ga.	250'	

7.6.4: 4-WAY WIRE CABLE

Part Number	Wire Type	Length	Figure
ELT2-1	4 - 12 ga.	100'	
ELT2-10	4 - 14 ga.	100'	
ELT2-11	4 - 16 ga.	100'	

7.6.5: PRIMARY WIRE (BLACK PVC JACKET)

Part Number	Wire Type	Length	Figure
ELT2-4	2 - 14 ga. black/white	100'	

7.6.6: SINGLE WIRE CABLE

Part Number	Wire Gauge	Color	Length	Figure
ELT1-35	16 ga.	Red	100'	
ELT1-3	14 ga.	Green	100'	
ELT1-5	14 ga.	Yellow	100'	
ELT1-10	14 ga.	Black	100'	
ELT1-17	14 ga.	Blue	100'	
ELT1-23	14 ga.	Brown	100'	
ELT1-43	14 ga.	White	100'	
ELT1-38	10 ga.	Red	100'	
ELT1-45	10 ga.	White	100'	

7.7 Wiring Connectors & Clips

7.7.1: WIRING CONNECTORS

PHILIPS

7.7.1.1: PHILLIPS SOLDER & SEAL KIT

PHILIPS

Part Number	Contents of Kit		Figure
PHI1-2000	1 Mini butane torch 1 Blue 14 - 16 shrink tube 10 Red 18 - 20 butt connectors 10 Blue 14 - 16 butt connectors 10 Blue 14 - 16 1/4" ring 10 Blue 14 - 16 male OD 10 Yellow 10 - 12 butt connector 10 Yellow 10 - 12 1/4" ring	1 Red 18 - 12 shrink tube 1 Yellow 10 - 12 shrink tube 10 Red 18 - 20; #10 ring 10 Blue 14 - 16; #10 ring 10 Blue 14 - 16; 3/8" ring 10 Blue female OD 10 Yellow 10 - 12; #10 ring 10 Yellow 10 - 12; 3/8" ring	 All pieces organized in a 10-3/4" long x 6-1/2" wide x 1-3/4" tall plastic hinged container that snaps shut.

7.7.1.2: MISCELLANEOUS WIRE CONNECTORS

 1. 20GR99510RetroFit Plug-in Terminal Kit		
---	--	--

7.7.2: SHRINK TUBING

 1. PHI6-2028 ga. Shrink tube bag of 6 pieces		
---	--	--

7.7.3: CLIPS

 1. CLP2-1 1/4" loom clip	 1. FRULCD2194-1 Clip	 1. FRULCD1285-1 Speed clip
 1. FRULXA0820-1 Speed clip		

7.8 Cable Ties & Electrical Tape

7.8.1: CABLE TIES

Part Number	Size	Color	Quantity	Figure
ELT19-2	5"	Clear	50 per bag	
ELT19-2A	5"	Clear	200 per bag	
ELT19-4	7"	Clear	50 per bag	
ELT19-4A	7"	Clear	100 per bag	
ELT19-8	11"	Clear	50 per bag	
ELT19-11	14"	Clear	50 per bag	
ELT19-20A	5"	Black (UV)	100 per bag	
ELT19-22A	7"	Black (UV)	100 per bag	
ELT19-26	11"	Black (UV)	ELT1-43	
ELT19-26A	11"	Black (UV)	ELT1-38	
ELT19-29	14"	Black (UV)	ELT1-45	
ELT19-29A	14"	Black (UV)	100 per bag	

7.8.2: ELECTRICAL TAPE

Electrical Tape



1. TAPAAS000172 3/4" x 60'



Martec International has made every attempt to publish this parts catalog as error-free as possible.

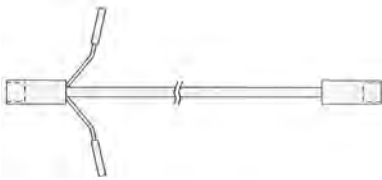
In the event that you discover an error, please fax the correction to the Martec Parts Marketing Department at:

1-908-756-2575

Thank you.

7.9 Wiring Harnesses

7.9.1: WABASH WIRING HARNESSSES

Rear Harness 	License Harness 	Main Harness with ABS Warning Light Pairing 
1. WAB14400012 C/S 6' 2. WAB14400014 R/S 6'	1. WAB14400024 4'	1. WAB14401344 23'
ABS Wiring Harness 	Wiring Harness with Diagnostic Switch 	Turn Harness 
1. WAB14401359 38'	1. WAB14401744 23'	1. WAB14401373 18"

7.9.2: FRUEHAUF WIRING HARNESSSES

Turn & Tail Harness 	Tail Light Harness 	Main Harness 
1. FRULCF0022-2 LH 14" 2. FRULCF0022-3 RH 14"	1. FRULEY1400-1 LH 27"	1. FRULCF4709-57 53' 2. FRULCF4709-9 48'
Main Harness with Midline 	Main Harness 	Rear Main Harness 
1. FRULCF4705-28 52'	1. FRUTWC1214-1	1. FRULCF4704-1 58"

Main Harness Extension  1. FRULAS1004-1 5-1/2'	Jumper Harness  1. FRULCF4703-1 3-1/4'	Front Wall Harness  1. FRULCF8305-54 54'
Rear Sill Harness  1. FRULCF4704-5 3'		



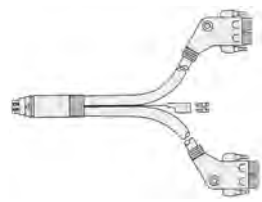
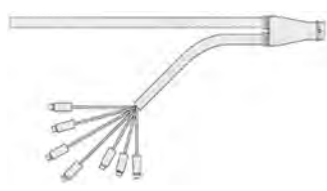
7.9.3: TRUCK-LITE WIRING HARNESSES



Stop/Turn/Tail Harness  1. 20TL50200 RH 6' 2. 20TL50201 LH 6'	Stop/Turn/Tail/Side Marker Harness  1. 20TL50208 RH 8' 2. 20TL50209 LH 8' 3. 20TL50210 RH 16' 4. 20TL50211 LH 16'	Three Plug ID Harness  1. 20TL50300 3'
Single Plug Marker/Clearance Harness  1. 20TL50307 3' 2. 20TL50303 6' 3. 20TL50304 14' 4. 20TL50305 38'	ID & License Lamp Harness  1. 20TL50308 3'	Single Plug Stop/Tail/Turn Harness  1. 20TL50338 38'
Turn/Marker Harness  1. 20TL50342 RH 15' 2. 20TL50343 LH 15' 3. 20TL50344 RH 38' 4. 20TL50345 LH 38'	Stop/Turn/Tail/Side Marker Harness  1. 20TL87208 RH 8' 2. 20TL87209 LH 8'	Three Plug Identification Harness  1. 20TL87300 3' 2. 20TL87301 24"

6 Conductor Main Cable Harness  1. 20TL87603 3'		
--	--	--

Grote
7.9.4: GROTE WIRING HARNESSES
Grote

Rear Sill Harness  1. 20GR66001 52"	Main Harness  1-10 ga., 6-12 ga. 1. 20GR66080 35'	Lamp Jumper Harness  1-10 ga., 6-12 ga. 1. 20GR66160 1' 2. 6740534' 7" Double contact female only
Lamp Jumper Harness  1. 20GR66170 2'	7 conductor Main Harness  1. 20GR66710 35'	UBS Rear Seal Harness Repair Kit  1. 20GR67040

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8.1 Truck-Lite

8.1.1: TRUCK-LITE LED LIGHTING



8.1.1.1: TRUCK-LITE LED LAMP KITS

Model 10 LED Grommet Mount Kit 	Model 10 LED Flange Mount Kit 	Model 10 LED Combination Mount Lamp Kit 
1. 20TL10050R Red kit 2. 20TL10050Y Yellow kit 3. 20TL10250R Red lamp 4. 20TL10250Y Yellow lamp 5. 20TL10700 Grommet 6. 20TL94862 Plug	1. 10051R Red kit 2. 10051Y Yellow kit 3. 20TL10251R Red lamp w/flange 4. 20TL10251Y Yellow lamp w/flange 5. 20TL10715 Security ring (opt) 6. 20TL94862 Plug	1. 10075R Red Kit 2. 10075Y Yellow kit 3. 10275R Red lamp 4. 20TL10275Y Yellow lamp 5. 20TL94964 Plug
Model 15 LED Lamp 	Model 19 Base Mount LED Lamp Kit 	Model 21 LED Lamp Kit 
1. 20TL15250R Red lamp 2. 20TL15250Y Yellow lamp	1. 19006R Red kit 2. 19006Y Yellow kit 3. 20TL19250R Red lamp 4. 20TL19250Y Yellow lamp 5. 20TL19721 Mount w/wire	1. 20TL21051R Red kit 2. 20TL21051Y Yellow kit 3. 21080R Red Diamond Shell kit 4. 20TL21080Y Yellow Dmnd Shell kit 5. 21251R Red lamp 6. 21251Y Yellow lamp 7. 97034 Mounting gasket 8. 97036 Sealing gasket
Model 21 LED Comination Lamp 	Model 30 LED Grommet Mount Lamp Kit 	Model 30 LED Flange Mount Lamp Kit 
1. 21275R Red lamp 2. 20TL21275Y Yellow lamp	1. 20TL30050R Red kit 2. 20TL30050Y Yellow kit 3. 20TL30250R Red lamp 4. 20TL30250Y Yellow lamp 5. 20TL30700 Grommet 6. 20TL94862 Plug	1. 30051R Red kit 2. 30051Y Yellow kit 3. 20TL30251R Red lamp w/flange 4. 20TL30251Y Yellow lamp w/flange 5. 20TL30250R Red lamp 6. 20TL30250Y Yellow lamp 7. 20TL30708 Security ring (opt) 8. 20TL94862 Plug
Model 30 LED Combination Lamp Kit 	Model 35 LED Lamp Kit 	
1. 30075R Red kit 2. 30075Y Yellow kit 3. 30275R Red lamp 4. 20TL30275Y Yellow lamp 5. 20TL30700 Grommet 6. 20TL94964 Plug	1. 20TL35001R Red kit 2. 20TL30001Y Yellow kit 3. 35080R Red Diamond Shell Lamp Ki 4. 20TL35200R Red lamp 5. 20TL35200Y Yellow lamp 6. 20TL35880R Red Diamond Shell lamp 7. 20TL35720 Bracket	

Super 44 LED Stop/Turn/Tail Grommet Mount Lamp Kit  20TL44002R Red kit 44082R Red Diamond Shell kit 20TL44202R Red lamp 20TL44882R Red Diamond Shell lamp 20TL40700 Grommet 20TL94706 Plug	Super 44 LED Rear Turn Grommet Mount Lamp Kit  20TL44002R Red kit 20TL44001Y Yellow kit 44081Y Yellow Diamond Shell Kit 20TL44201Y Yellow lamp 20TL40700 Grommet 20TL94706 Plug	Super 44 LED Stop/Turn/Tail Flange Mount Lamp Kit  20TL44022R 44 Diode Red kit 20TL44322R 6 Diode red lamp w/flange 44322R-R 17 Diode red lamp w/flange 20TL44222R 44 Diode red lamp w/flange 20TL44302R 6 Diode red lamp 44302R-R 17 Diode red lamp 20TL44202R 44 Diode red lamp 20TL44705 Security ring (opt) 20TL94789 Plug
Super 44 LED Rear Turn Flange Mount Lamp Kit  44021Y Yellow kit 20TL44221Y Yellow lamp w/flange 20TL44705 Security ring (opt) 20TL94789 Plug 20TL44032R Red kit w/ plug & grey flange	Model 45 LED Stop/Turn Lamp Kit  45052R Red kit 45252R Red lamp 20TL45700 Grommet	Model 45 LED Rear Turn Lamp Kit  45051Y Yellow kit 20TL45700 Grommet
Model 60 LED Stop/Turn/Tail Grommet Mount Lamp Kit  20TL60050R Red kit 60085R Red Diamond Shell kit 20TL60250R Red lamp 20TL60700 Grommet 20TL94706 Plug	Model 60 LED Auxiliary/Mid-Turn Grommet Mount Lamp Kit  20TL60075Y Yellow kit 20TL60275Y Yellow lamp 20TL60700 Grommet 20TL94706 Plug	

Model 60 LED Stop/Turn/Tail Flange Mount Lamp Kit

- | | |
|---------------|---------------------|
| 1. 20TL60052R | Red kit |
| 2. 20TL60250R | Red lamp |
| 3. 20TL60252R | Red lamp & flange |
| 4. 20TL60719 | Security ring (opt) |
| 5. 20TL94706 | Plug |

Model 60 LED Auxiliary/Mid-Turn Flange Mount Lamp Kit

- | | |
|---------------|----------------------|
| 1. 20TL60072Y | Yellow kit |
| 2. 20TL60275Y | Yellow lamp |
| 3. 20TL60272Y | Yellow lamp & flange |
| 4. 20TL60719 | Security ring (opt) |
| 5. 20TL94706 | Plug |

Model 60 LLV LED Stop/Turn/Tail/Park Lamp Kit

- | | |
|--------------|------------|
| 1. 60079Y | Yellow kit |
| 2. 20TL60701 | Grommet |
| 3. 95034 | Plug |

8.1.1.2: TRUCK-LITE LED PLUGS

- | | |
|--------------|---|
| 1. 20TL94862 | Single plug assembly w/.180 bullet & #6 ground terminal |
| 2. 20TL94888 | Single plug assembly w/.156 bullet & #6 ground terminal |
| 3. 20TL94718 | Single plug w/.180 bullet & #10 ring terminal |



- | | |
|--------------|------------------|
| 1. 20TL93745 | C/M adapter plug |
|--------------|------------------|



- | | |
|--------------|--------------------------------------|
| 1. 20TL94706 | Stop/Turn/Tail/Mid-Turn Adapter Plug |
| 2. 20TL94789 | Turn signal adapter plug |



- | | |
|--------------|------------------------------|
| 1. 20TL94707 | Stop/Turn/Tail/Mid-Turn Plug |
| 2. 20TL94759 | Turn signal plug assembly |

8.1.2: TRUCK-LITE CLEARANCE & MARKER LIGHTING**8.1.2.1: TRUCK-LITE MODEL 10****Model 10 LED Grommet Mount Kit**

- | | |
|---------------|-------------|
| 1. 20TL10050R | Red kit |
| 2. 20TL10050Y | Yellow kit |
| 3. 20TL10250R | Red lamp |
| 4. 20TL10250Y | Yellow lamp |
| 5. 20TL10700 | Grommet |
| 6. 20TL94862 | Plug |

Model 10 LED Flange Mount Kit

- | | |
|---------------|----------------------|
| 1. 10051R | Red kit |
| 2. 10051Y | Yellow kit |
| 3. 20TL10251R | Red lamp & flange |
| 4. 20TL10251Y | Yellow lamp & flange |
| 5. 20TL10715 | Security ring (opt) |
| 6. 20TL94862 | Plug |

Model 10 LED Combination Mount Lamp Kit

- | | |
|---------------|-------------|
| 1. 10075R | Red Kit |
| 2. 10075Y | Yellow kit |
| 3. 10275R | Red lamp |
| 4. 20TL10275Y | Yellow lamp |
| 5. 20TL94964 | Plug |

Super 10 Sealed Lamps with Reflectors

- | | |
|---------------|------------|
| 1. 20TL10208R | Red |
| 2. 20TL10208Y | Yellow |
| 3. 20TL10212Y | Yellow ABS |

Model 10 Sealed Lamps  1. 20TL10202R 12V red 2. 20TL10202Y 12V yellow 3. 20TL10204R 24V red 4. 20TL10204Y 24V yellow 5. 20TL10205R 12V red w/reflector 6. 20TL10205Y 12V yellow w/reflector	Model 10 Beehive Lamps  1. 20TL10203R Red 2. 20TL10203Y Yellow 3. 10203G Green	Model 10 Grommet Mount Lamp Kit  1. 20TL10519R Red kit 2. 20TL10519Y Yellow kit 3. 20TL10202R Red lamp 4. 20TL10202Y Yellow lamp 5. 20TL10700 Grommet 6. 20TL94902 Plug	Model 10 Surface Mount Lamp Kit  1. 20TL10004R Red kit 2. 20TL10004Y Yellow kit 3. 20TL10202R Red lamp 4. 20TL10202Y Yellow lamp 5. 20TL10720 Bracket 6. 20TL94902 Plug
Model 10 Surface Grommet Mount Kit  1. 20TL10412 Open back kit 2. 20TL10413 Closed back kit 3. 20TL10722 Bracket 4. 20TL94902 Plug	Model 10 Open Back Grommet Mount Kit  1. 20TL10401 Mount kit 2. 20TL10700 Grommet 3. 20TL94902 Plug	Mount 10 Closed Back Grommet Mount Kit  1. 20TL10402 Mount kit 2. 20TL10702 Grommet 3. 20TL94902 Plug	Model 10 Diaphragm Grommet Mount Kit  1. 20TL10403 Mount kit 2. 20TL10708 Grommet 3. 20TL94902 Plug
Model 10 3" Grommet Mount Kit  1. 20TL10404 Mount kit 2. 20TL10704 Black Grommet 3. 10706 White Grommet 4. 20TL94902 Plug	Model 10 Branch Deflector Mount Kit  1. 20TL10414 Mount kit 2. 20TL10725 Bracket 3. 20TL10700 Grommet 4. 20TL94902 Plug	Model 10 S/S Grommet Cover  1. 20TL10705 Cover	Model 10 Surface Mount Kit  1. 20TL10400 Mount kit 2. 20TL10720 Bracket 3. 20TL94902 Plug
Model 10 Flex Strap Mount Kit  1. 20TL10406 Mount kit 2. 20TL10720 Bracket 3. 00780 Strap 4. 20TL94902 Plug	Model 10 Plastic Cam-on Mount Kit  1. 20TL10410 Mount kit 2. 20TL10724 Bracket w/o ribs 3. 20TL10727 8-1/2" Bracket 4. 20TL10700 Grommet 5. 20TL1394902 Plug	Model 10 Curved Brackett  1. 20TL10738 Mount kit	Model 10 "L" Bracket  1. 20TL10729 "L" Mount

8.1.2.2: TRUCK-LITE MODEL 12

Model 12 Sealed Lamps



- | | |
|---------------|---------------------------|
| 1. 12002R | 12V red lamp w/ gasket |
| 2. 12002Y | 12V yellow lamp w/ gasket |
| 3. 20TL12200R | 12V red lamp |
| 4. 20TL12200Y | 12V yellow lamp |
| 5. 20TL12000C | 12V clear lamp |
| 6. 97921 | Gasket |

Model 12 Branch Deflector Mount Lamp Kit



- | | |
|---------------|--------------------------|
| 1. 20TL12003R | Red kit w/ grey mount |
| 2. 20TL12003Y | Yellow kit w/ grey mount |
| 3. 20TL12200R | 12V red lamp |
| 4. 20TL12200Y | 12V yellow lamp |
| 5. 97921 | Lamp Gasket |
| 6. 97925 | Mount Gasket |
| 7. 12724 | Bracket for 1 & 2 |
| 8. 20TL12723 | Bracket for 3 & 4 |
| 9. 20TL94850 | Plug for 1 & 2 |
| 10. 94919 | Plug for 3 & 4 |

8.1.2.3: TRUCK-LITE MODEL 14

Model 14 Sealed Lamps with Reflectors



- | | |
|---------------|---------------|
| 1. 20TL14200R | Red |
| 2. 20TL14200Y | Yellow |
| 3. 20TL14700 | White grommet |
| 4. 14701 | Black grommet |

8.1.2.4: TRUCK-LITE MODEL 15

Model 15 LED Lamps



- | | |
|---------------|--------|
| 1. 20TL15250R | Red |
| 2. 20TL15250Y | Yellow |

Model 15 Sealed Lamps



- | | |
|---------------|------------|
| 1. 20TL15200R | Red |
| 2. 20TL15200Y | Yellow |
| 3. 20TL15203Y | Yellow ABS |
| 4. 20TL15200C | Clear |

Model 15 Header Mount Lamp Kit



- | | |
|---------------|-------------------------|
| 1. 20TL15006R | Red kit |
| 2. 20TL15006Y | Yellow kit |
| 3. 20TL15007R | Red kit |
| 4. 20TL15007Y | Yellow kit |
| 5. 20TL15008R | Red kit |
| 6. 20TL15008Y | Yellow kit |
| 7. 20TL15200R | Red lamp for 1, 3, 5 |
| 8. 20TL15200Y | Yellow lamp for 2, 4, 6 |
| 9. 20TL15727 | Bracket for 1, 2, 3, 4 |
| 10. 20TL15728 | Bracket for 5, 6 |
| 11. 20TL94924 | Plug for 1, 2, 5, 6 |
| 12. 20TL94927 | Plug for 3, 4 |

**Model 15 Branch Deflector
Mount Lamp Kit**


1. 20TL15001R Red kit
2. 20TL15001Y Yellow kit
3. 20TL15200R Red lamp
4. 20TL15200Y Yellow lamp
5. 20TL15720 Bracket
6. 20TL96904 Plug

**Model 15 Adapter Mount Lamp
Kit**


1. 20TL15506R Red kit chrome
2. 20TL15506Y Yellow kit chrome
3. 20TL15406 Mounting kit grey
4. 20TL15200R Red lamp
5. 20TL15200Y Yellow lamp
6. 00793 Adapter for 1 & 2
7. 00792 Adapter for 3
8. 20TL96904 Hot Wire

Model 15 Adapter Mount Kit


1. 20TL15404 Mount kit grey
2. 20TL15405 Mount kit chrome
3. 00790 Adapter, grey
4. 00791 Adapter chrome
5. 94906 Plug

Model 15 Adapter Mount Kit


1. 20TL15406 Mount kit grey
2. 20TL15407 Mount kit chrome
3. 20TL15408 Mount kit black
4. 00792 Adapter, grey
5. 00793 Adapter chrome
6. 00809 Adapter, black
7. 20TL96904 Hot wire for 1, 2
8. 96913 Hot wire for 3

Model 15 Rail Mount Kit


1. 20TL15412 Mount Kit
2. 20TL15413 Mount Kit
3. 20TL15414 Mount Kit
4. 20TL15727 Bracket for 1, 2
5. 20TL15728 Bracket for 3
6. 20TL94924 Plug for 1, 3
7. 20TL94927 Plug for 2

**Model 15 Branch Deflector
Mount Kit**


1. 20TL15401 Mount Kit
2. 20TL15720 Bracket
3. 20TL96904 Plug

Model 15 Grommet Mount


1. 20TL15700 Grommet

Model 15 Grommet Mount


1. 20TL15702 Grommet

8.1.2.5: TRUCK-LITE MODEL 18
Model 18 Bulb Replaceable Lamp w/Reflectors


1. 20TL18300R Red lamp
2. 20TL18300Y Yellow lamp
3. 99012R Red lens
4. 20TL99012Y Yellow lens
5. 20TL94940 Plug

8.1.2.6: TRUCK-LITE MODEL 19

Model 19 LED Base Mount Lamp Kit  1. 19006R Red kit 2. 19006Y Yellow kit 3. 19250R Red lamp 4. 20TL19250Y Yellow lamp 5. 20TL19721 Mount w/wire	Model 19 Double Bulb Sealed Lamp  1. 20TL19200R Red 2. 20TL19200Y Yellow 3. 20TL19200C Clear 4. 20TL19205Y Yellow ABS	Model 19 Base Mount Lamp Kit  1. 20TL19001R Red kit 2. 20TL19001Y Yellow kit 3. 20TL19002RR Red kit w/mounted hot wire 4. 20TL19002Y Yellow kit w/mounted hot wire 5. 20TL19500R Red kit w/hot wire 6. 20TL19500Y Yellow kit w/ hot wire 7. 20TL19200R Red lamp 8. 20TL19200Y Yellow lamp 9. 20TL19720 Mount 10. 20TL19721 Mount w/wire 11. 96919 Wire w/.180 bullet
Model 19 Plastic Lamp Guard  1. 20TL19720 Mount 2. 20TL19721 Mount w/wire 3. 20TL19722 Curved Mount 4. 20TL96904 Wire 5. 96919 Wire w/.180 bullet 6. 20TL94727 Plug	Model 19 Plastic Lamp Guard  1. 19723 Guard	Model 19 Aluminum Lamp Guard  1. 20TL19724 Guard

8.1.2.7: TRUCK-LITE MODEL 20

Model 20 Bulb Replaceable Beehive Lamp  1. 20TL20300R Red lamp 2. 20TL20300Y Yellow lamp 3. 20TL99005R Red lens 4. 20TL99005Y Yellow lens	
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8.1.2.8: TRUCK-LITE MODEL 21

Model 21 LED Lamp Kit 	Model 21 LED Combination Lamp Kit 	Super 21 Lamps 
1. 20TL21051R Red kit 2. 20TL21051Y Yellow kit 3. 21080R Red Diamond Shell kit 4. 20TL21080Y Yellow Diamond Shell kit 5. 21251R Red lamp 6. 21251Y Yellow lamp 7. 97034 Mounting gasket 8. 97036 Sealing gasket	1. 21275R Red 2. 20TL21275Y Yellow	1. 20TL21001R Red w/hot wire 2. 20TL21001Y Yellow w/hot wire 3. 20TL21002R Red w/reflector & hot wire 4. 20TL21002Y Yellow w/reflector & hot wire 5. 20TL21200R Red 6. 20TL21200Y Yellow 7. 20TL21201R Red w/reflector 8. 20TL21201Y Yellow w/reflector 9. 20TL21203R Red 2 wire w/reflector 10. 20TL21203Y Yellow 2 wire w/reflector 11. 20TL21210Y Yellow ABS 12. 96930 Hot wire
Super 21 Extension Bracket Mount Lamp Kit 	Model 21 Steel Mount Bracket 	
1. 20TL21501R Red w/reflector 2. 20TL21501Y Yellow w/reflector 3. 20TL21720 Black extension bracket 4. 21721 White extension bracket	1. 20TL21722 Bracket	

8.1.2.9: TRUCK-LITE MODEL 26

Model 26 Bulb Replaceable Lamp with Plastic Housing 	Model 26 Bulb Replaceable Lamp with Plastic Housing 	Model 26 Bulb Replaceable Lamp with Plastic Housing 	Model 26 Bulb Replaceable Lamp with Die-Cast Housing 
1. 20TL26300R Red lamp 2. 20TL26300Y Yellow lamp 3. 20TL99048R Red lens 4. 20TL99048Y Yellow lens	1. 26301G Green lamp 2. 20TL26301R Red lamp 3. 20TL26301Y Yellow lamp 4. 99055G Green lens 5. 20TL99055R Red lens 6. 20TL99055Y Yellow lens	1. 26302G Green lamp 2. 20TL26302R Red lamp 3. 20TL26302Y Yellow lamp 4. 20TL99053G Green lens 5. 20TL99053R Red lens 6. 20TL99053Y Yellow lens	1. 20TL26303R Red lamp 2. 20TL26303Y Yellow lamp 3. 20TL99053R Red lens 4. 20TL99053Y Yellow lens 5. 97936 Gasket
Model 26 Bulb Replaceable Lamp with Plastic Housing 	Model 26 Bulb Replaceable Lamp with Plastic Housing 	Model 26 Bulb Replaceable Lamp with Rubber Housing 	Model 26 Bulb Replaceable Lamp with Rubber Housing 
1. 20TL26304R Red lamp 2. 20TL26304Y Yellow lamp 3. 20TL99045R Red lens 4. 20TL99045Y Yellow lens	1. 20TL26306R Red lamp 2. 20TL26306Y Yellow lamp 3. 20TL99052R Red lens 4. 20TL99052Y Yellow lens	1. 20TL26309R Red lamp 2. 20TL26309Y Yellow lamp 3. 99035R Red lens 4. 20TL99035Y Yellow lens	1. 20TL26310R Red lamp 2. 20TL26310Y Yellow red 3. 99051R Red lens 4. 20TL99051Y Yellow lens

Model 26 Bulb Replaceable Lamp with Die-Cast Housing 	Model 26 Bulb Replaceable Lamp with Plastic Housing 	Model 26 Bulb Replaceable Armored Lamp 	Model 26 Bulb Replaceable Lamp with Die-Cast Housing 
1. 26311R Red lamp 2. 26311Y Yellow lamp 3. 99160 Red lens 4. 99160Y Yellow lens	1. 20TL26312R Red lamp 2. 20TL26312Y Yellow lamp 3. 20TL99050R Red lens 4. 20TL99050Y Yellow lens	1. 20TL26315R Red lamp 2. 20TL26315Y Yellow lamp 3. 99111R Red lens 4. 99111Y Yellow lamp	1. 20TL26317R Red lamp 2. 20TL26317Y Yellow lamp 3. 20TL99050R Red lens 4. 20TL99050Y Yellow lens
Model 26 Bulb Replaceable Lamp with Angle Bracket 	Model 26 Bulb Replaceable Lamp with Plastic Housing 	Model 26 Chrome Lamp Guard 	
1. 20TL26322R Red lamp 2. 20TL26322Y Yellow lamp 3. 20TL99039R Red lens 4. 20TL99039Y Yellow lamp 5. 97947 Snap ring	1. 20TL26338R Red lamp 2. 20TL26338Y Yellow lamp 3. 99166R Red lens 4. 99166Y Yellow lens	1. 20TL26720 Lamp Guard	

8.1.2.10: TRUCK-LITE MODEL 30

Model 30 LED Grommet Mount Lamp Kit 	Model 30 LED Flange Mount Lamp Kit 	Model 30 LED Combination Lamp Kit 	Model 30 LED Branch Deflector Mount Kit 
1. 20TL30050R Red kit 2. 20TL30050Y Yellow kit 3. 20TL30250R Red lamp 4. 20TL30250Y Yellow lamp 5. 20TL30700 Grommet 6. 20TL94862 Plug	1. 30051R Red kit 2. 30051Y Yellow kit 3. 20TL30251R Red lamp & flange 4. 20TL30251Y Yellow lamp & flange 5. 20TL30250R Red lamp 6. 20TL30250Y Yellow lamp 7. 20TL30708 Security Ring 8. 20TL94862 Plug	1. 30075R Red kit 2. 30075Y Yellow kit 3. 30275R Red lamp 4. 20TL30275Y Yellow lamp 5. 20TL30700 Grommet 6. 20TL94964 Plug	1. 30410 Mount kit 2. 30730 Inner mount 3. 30731 Outer mount
Model 30 Sealed Lamp 	Model 30 Beehive Lamp 	Model 30 Grommet Mount Lamp Kit 	Model 30 Sealed Lamp with Surface Mount Flange 
1. 20TL30200B 12V Blue 2. 20TL30200G 12V Green 3. 20TL30200R 12V Red 4. 20TL30200Y 12V Yellow 5. 30206R 24V Red 6. 20TL30257Y 12V Yellow ABS	1. 20TL30201R Red 2. 20TL30201Y Yellow 3. 20TL30203Y Yellow w/ clear back	1. 20TL30503R Red kit 2. 20TL30503Y Yellow kit 3. 20TL30200R Red lamp 4. 20TL30200Y Yellow lamp 5. 20TL30700 Grommet 6. 20TL94902 Plug	1. 20TL30222R Red mount 2. 20TL30222Y Yellow mount

Model 30 Sealed Lamp with Flush Mount Flange  1. 20TL30221R Red mount 2. 20TL30221Y Yellow mount	Model 30 Surface Mount Lamp Kit  1. 30001R Red kit 2. 20TL30001Y Yellow kit 3. 20TL30200R Red lamp 4. 20TL30200Y Yellow lamp 5. 20TL30720 Bracket 6. 20TL94920 Plug	Model 30 Branch Deflector Mount Lamp Kit  1. 20TL30504R Red kit 2. 20TL30504Y Yellow kit 3. 20TL30200R Red lamp 4. 20TL30200Y Yellow lamp 5. 20TL30701 Grommet 6. 20TL30722 Bracket 7. 20TL94902 Plug	Model 30 Surface Mount Kit  1. 20TL30400 Surface mount kit 2. 20TL30720 Bracket 3. 20TL94902 Plug
Model 30 Open Back Grommet Mount Kit  1. 20TL30401 Grommet kit 2. 20TL30700 Grommet 3. 20TL94902 Plug	Model 30 Closed Back Grommet Mount Kit  1. 20TL30402 Grommet kit 2. 20TL30702 Grommet 3. 20TL30704 .75" hole dia. Grommet 4. 20TL94902 .50" hole dia. Plug	Model 30 Plastic Cam-on Mount Kit  1. 20TL30403 Mount Kit 2. 20TL00801 Bracket 3. 20TL94902 Plug	Model 30 Branch Deflector Mount Kit  1. 20TL30404 Mount kit 2. 20TL30721 Bracket 3. 20TL30700 Grommet 4. 20TL94902 Plug
Model 30 Branch Deflector Mount Kit  1. 20TL30405 Mount kit 2. 20TL30722 Bracket 3. 20TL30701 Grommet 4. 20TL94902 Plug	Model 30 Adapter Mount Kit  1. 20TL30407 Mount kit 2. 20TL30727 Bracket 3. 20TL30701 Grommet 4. 20TL94902 Plug	Model 30 L Mounting Bracket  1. 20TL30728 Bracket	

8.1.2.11: TRUCK-LITE MODEL 35

Model 35 LED Lamp Kit  1. 20TL35001R Red kit 2. 20TL35001Y Yellow kit 3. 35080R Red Diamond Shell Lamp Kit 4. 20TL35200R Red lamp 5. 20TL35200Y Yellow lamp 6. 20TL35880R Red Diamond Shell lamp 7. 20TL35720 Bracket	
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8.1.3: TRUCK-LITE IDENTIFICATION BAR LIGHTINGS

Model 35 LED Aluminum ID Bar  20TL35740R Red 6" centers kit 35740Y Yellow 6" centers kit 20TL35741R Red 9" centers kit 00815 Bar 6" centers 00816 Bar 9" centers 20TL94898 3 Plug, 9" centers, .156 bullet 96989 3 Plug, 6" centers, .180 bullet 96996 3 Plug, 9" centers, .180 bullet	Model 10 Metal ID Bar  20TL10744R Red 6" centers black bar 20TL10745R Red 9" centers black bar 20TL10746R Red 6" centers Silver bar 20TL10202R Red lamp 00794 S/S Bar 6" centers 00798 Bar 6" centers 00799 Bar 9" centers 20TL93906 Wiring harness	Model 15 Plastic ID Bar  20TL15745R Red 6" centers 20TL15200R Red lamp 00817 Bar 93945 Wiring harness
Model 15 S/S ID Bar  20TL15741R Red 6" centers 15210R Red lamp 20TL00808 Bar 20TL93943 Wiring harness	Model 26 Bulb Replaceable ID Bar  20TL26740R Red 9" centers 20" bar 26741R Red 6" centers 15" bar 20TL99039R Red lens 20TL97904 Snap ring	Model 26 Bulb Replaceable ID Bar  20TL26742R Red 6" centers black bar 26743R Red 6" centers white bar 99161R Red lens
Model 30 Metal ID Bar  20TL30740R Red 6" centers 20TL30742R Red 9" centers 20TL30200R Red lamp 00794 S/S Bar 6" centers 00798 Bar 6" centers 00799 Bar 9" centers 20TL93908 Wiring harness	3 Lamp ID Mounting Bracket  20TL00814 Bracket	

8.1.4: TRUCK-LITE CAB MARKER LIGHTING

Model 10 Sealed Cab Marker Kit  20TL10764Y Yellow kit 20TL10202Y Yellow lamp 20TL10202C Clear lamp 00803 Housing 97922 Gasket 20TL94917 Plug	Model 25 Bulb Replaceable Cab Marker  20TL25760Y Yellow	Model 25 Bulb Replaceable Cab Marker  20TL25761Y Yellow 20TL07021 Lens
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Model 25 Bulb Replaceable Cab Marker  1. 25765Y Yellow	Model 26 Bulb Replaceable Cab Marker  1. 26747Y Yellow 2. 99163Y Lens	Model 26 Bulb Replaceable Cab Marker  1. 20TL26760Y Yellow 2. 20TL99066Y Lens 3. 20TL94940 Plug
Model 26 Bulb Replaceable Cab Marker  1. 20TL26763Y Yellow 2. 99065Y Lens	Model 26 Contoured Bulb Replaceable Cab Marker  1. 26765R Red 2. 20TL26765Y Yellow 3. 20TL99067Y Lens	

8.1.5: TRUCK-LITE STOP/TURN/TAIL LIGHTING

8.1.5.1: TRUCK-LITE MODEL 40

Super 40 Stop/Turn/Tail/Park/ Clearance Grommet Mount Lamp Kit  1. 20TL40042R Red kit 2. 20TL40042Y Yellow kit 3. 20TL40048R Red kit w/reflector 4. 20TL40242R Red lamp 5. 20TL40242Y Yellow lamp 6. 20TL40248R Red lamp w/reflector 7. 40248Y Yellow lamp w/reflector 8. 20TL40700 Grommet 9. 20TL94993 Plug	Super 40 Stop/Turn/Tail/Park/ Clearance Flange Mount Lamp Kit  1. 20TL40058R Red kit 2. 20TL40258R Red lamp w/flange 3. 20TL94993 Plug	Super 40 Stop/Turn/Tail/Park/ Clearance Grommet Mount Lamp Kit  1. 20TL40002R Red 12V lamp kit 2. 20TL40002Y Yellow 12V lamp kit 3. 20TL40015R Red 12V lamp kit w/ reflector 4. 20TL40009Y Yellow 24V lamp kit 5. 20TL40202R Red 12V lamp 6. 20TL40202Y Yellow 12V lamp 7. 20TL40215R Red 12V lamp w/reflector 8. 20TL40209R Red 24V lamp 9. 20TL40209Y Yellow 24V lamp 10. 20TL40700 Grommet 11. 20TL94993 Plug
Model 40 Stop/Turn/Tail/Park/ Clearance Flange Mount Lamp Kit  1. 20TL40022R Red kit 2. 20TL40022Y Yellow kit 3. 20TL40222R Red lamp w/flange 4. 40222Y Yellow lamp w/flange 5. 20TL94993 Plug	Model 40 Sealed Economy Stop/ Turn/Tail Grommet Mount Lamp Kit  1. 20TL40028R Red kit 2. 20TL40282R Red lamp 3. 20TL40282Y Yellow lamp 4. 20TL40700 Grommet 5. 20TL94993 Plug	Model 40 Sealed Economy Stop/ Turn/Tail Flange Mount Lamp Kit  1. 20TL40029R Red kit 2. 20TL40282Y Yellow kit 3. 20TL40229R Red lamp w/flange 4. 20TL94993 Plug

Model 40 Grommet Mount Kit	Model 40 S/S Grommet Cover	Adapter Ring for 4" Lamps	Model 40 Steel Mounting Brackets
			
1. 20TL40403 2. 20TL40700 3. 20TL94993	1. 20TL40705	1. 20TL50831	1. 20TL40719 2. 20TL40720 3. 20TL40715
Kit Grommet Plug	Cover	Adapter	Bracket w/o flange Bracket w/flange 2 Lamp Bracket

8.1.5.2: TRUCK-LITE MODEL 41

Super 41 Sealed Stop/Turn/Tail/Clearance Lamp Kit	
	
1. 20TL41005R	Red LH kit
2. 20TL41006R	Red RH kit
3. 20TL41007R	Red universal kit
4. 20TL41202R	Red LH lamp
5. 20TL41203R	Red RH lamp
6. 20TL94926	Universal plug
7. 20TL94948	LH plug
8. 20TL94949	RH plug

8.1.5.3: TRUCK-LITE MODEL 44

Super 44 LED Stop/Turn/Tail Grommet Mount Lamp Kit	Super 44 LED Rear Turn Grommet Mount Lamp Kit
	
1. 20TL44002R 2. 44082R 3. 20TL44202R 4. 44882R 5. 20TL40700 6. 20TL94706	1. 20TL44001Y 2. 44081Y 3. 20TL44201Y 4. 20TL40700 5. 20TL94706
Red kit Red Diamond Shell kit Red lamp Red Diamond Shell lamp Grommet Plug	Yellow kit Yellow Diamond Shell Kit Yellow lamp Grommet Plug
Super 44 LED Stop/Turn/Tail Flange Mount Lamp Kit	Super 44 LED Rear Turn Flange Mount Lamp Kit
	
1. 20TL44022R 2. 20TL44322R 3. 44322R-R 4. 20TL44222R 5. 20TL44302R 6. 44302R-R 7. 20TL44202R 8. 20TL44705 9. 20TL94789	1. 44021Y 2. 20TL44221Y 3. 20TL44705 4. 20TL94789
44 Diode Red kit 6 Diode red lamp w/flange 17 Diode red lamp w/flange 44 Diode red lamp w/flange 6 Diode red lamp 17 Diode red lamp 44 Diode red lamp Security ring (opt) Plug	Yellow kit Yellow lamp w/flange Security ring (opt) Plug

8.1.5.4: TRUCK-LITE MODEL 45

Model 45 LED Stop/Turn Lamp Kit  1. 45052R Red kit 2. 45252R Red lamp 3. 20TL45700 Grommet	Model 45 LED Rear Turn Lamp Kit  1. 45051Y Yellow kit 2. 20TL45700 Grommet	Super 45 Sealed Turn Signal Lamp Kit  1. 20TL45001R Red kit 2. 20TL45001Y Yellow kit 3. 20TL45201R Red lamp 4. 20TL45201Y Yellow lamp 5. 20TL45700 Grommet 6. 20TL94992 Plug
Super 45 Sealed Stop/Turn/Tail/Park/Clearance Lamp Kit  1. 20TL45002R Red S/T/T lamp kit 2. 20TL45202R Red S/T/T lamp 3. 20TL45202Y Yellow P/turn lamp 4. 20TL45700 Grommet 5. 20TL94993 Plug	Super 45 Sealed Back-Up Lamp w/Reflector  1. 45004 Clear kit w/reflector 2. 45204 Clear lamp w/reflector 3. 20TL45700 Grommet 4. 20TL94992 Plug	Model 45 LLV Sealed Stop/Turn/Tail/Hazard Lamp Kit  1. 45021Y Yellow turn/H kit 2. 20TL45221Y Yellow turn/H lamp 3. 45222R Red stop/tail lamp 4. 20TL45701 Grommet 5. 94841 Plug
Super 45 & LLV Grommets  1. 20TL45700 Super 45 2. 20TL45701 LLV	Model 45 Mounting Brackets  1. 20TL45720 Bracket w/flange 2. 45721 Bracket w/out flange	

8.1.5.5: TRUCK-LITE MODEL 60

Model 60 LED Stop/Turn/Tail Grommet Mount Lamp Kit  1. 20TL60050R Red kit 2. 60085R Red Diamond Shell kit 3. 20TL60250R Red lamp 4. 20TL60700 Grommet 5. 20TL94706 Plug	Model 60 LED Auxiliary/Mid-Turn Grommet Mount Lamp Kit  1. 20TL60075Y Yellow kit 2. 20TL60275Y Yellow lamp 3. 20TL60700 Grommet 4. 20TL94706 Plug	Model 60 LED Stop/Turn/Tail Flange Mount Lamp Kit  1. 20TL60052R Red kit 2. 20TL60250R Red lamp 3. 20TL60252R Red lamp & flange 4. 20TL60719 Security ring (opt) 5. 20TL94706 Plug
Model 60 LED Auxiliary/Mid-Turn Flange Mount Lamp Kit  1. 20TL60072Y Yellow kit 2. 20TL60275Y Yellow lamp 3. 20TL60272Y Yellow lamp & flange 4. 20TL60719 Security ring (opt) 5. 20TL94706 Plug	Model 60 LLV LED Stop/Turn/Tail/Park Lamp Kit  1. 60079Y Yellow kit 2. 20TL60701 Grommet 3. 95034 Plug	Super 60 Sealed Stop/Turn/Tail/Park/Clearance Lamp  1. 20TL60002R Red 12V kit 2. 20TL60002Y Yellow 12V kit 3. 20TL60202R Red 12V lamp 4. 20TL60202Y Yellow 12V lamp 5. 60207R Red 24V lamp 6. 20TL60700 Grommet 7. 20TL94993 Plug

Model 60 Sealed CHMSL Kit 	Model 60 LLV Oval Sealed Stop/Turn/Tail/Park Lamp Kit 	Model 60 Sealed Economy Stop/Turn/Tail Lamp 
1. 20TL60013R Red kit 2. 60213R Red lamp 3. 20TL60700 Grommet 4. 20TL94992 Plug	1. 0021R Red CHMSL kit 2. 20TL60701 LLV grommet 3. 94838 Plug	1. 20TL60283R Red kit
Model 60 Bulb Replaceable Stop/Turn/Tail/Park/Clearance Lamp 	Model 60 Bulb Replaceable Stop/Turn/Tail/Park/Clearance Lamps 	Model 60 Bulb Replaceable Stop/Turn/Tail Lamp 
1. 20TL60302R Red kit 2. 20TL60302Y Yellow kit 3. 20TL60322R Red	1. 60331R Red kit 2. 60331Y Yellow kit 3. 94960 Socket 4. 20TL60700 Grommet 5. 99023R Red lens & housing 6. 20TL99023Y Yellow lens & housing	1. 20TL60340R Red kit 2. 60340Y Yellow kit 3. 20TL60700 Grommet 4. 95407 Socket 5. 99184R Red lens & housing 6. 99184Y Yellow lens & housing
Model 60 Bulb Replaceable CHMSL Kit 	Model 60 Grommet Mount Kit 	Model 60 S/S Grommet Cover 
1. 20TL60336R Red 2. 20TL60700 Grommet 3. 93987 Cam 4. 99023R Lens & housing	1. 20TL60403 Mount kit 2. 20TL60700 Grommet 3. 20TL94993 Plug	1. 20TL60721 Cover
Model 60 Mounting Brackets 	Model 60 "Z" Mounting Brackets 	Model 60 Tanker Mounting Brackets 
1. 20TL60720 Steel bracket 2. 20TL60722 Steel bracket w/o flange 3. 20TL60723 Alum. bracket	1. 20TL60728 Bracket 2. 20TL60733 Bracket w/notch flange	1. 20TL60730 S/S "L" bracket 2. 60731 S/S Standoff bracket

8.1.5.6: TRUCK-LITE MODEL 70

Model 70 Bulb Replaceable Stop/Turn/Tail/Park Lamp 	
1. 20TL70310R Red lamp 2. 20TL70311 Red/Yellow lamp 3. 20TL99090R Red lens 4. 20TL99090Y Yellow	

8.1.5.7: TRUCK-LITE MODEL 80

Model 80 Bulb Replaceable Stop/Turn/Tail Lamp  1. 20TL80302R Red lamp 2. 20TL80302Y Yellow lamp 3. 20TL99007R Red lens 4. 20TL99007Y Yellow lens	Model 80 Bulb Replaceable Stop/Turn/Tail Lamp  1. 20TL80308R Red lamp 2. 20TL99087R Red lens	Model 80 3 Stud Universal w/License Illuminator & Dual Optic Lens Lamp  1. 80311R Red lamp 2. 99164R Red lens
Model 80 Bulb Replaceable Stop/Turn/Tail Lamp  1. 20TL80463R Red w/license window, 2 bolt	Model 80 Bulb Replaceable Multi-Function Lamp - Ford  1. 20TL80321R Red w/Ford harness 2. 20TL80333R Red w/universal harness 3. 99069R Red lens	Model 80 7-in-1 Combination Lamp  1. 20TL80324R Red lamp 2. 99074R Red Stop/Turn/Tail lens 3. 99047R Red side marker lens
Model 80 Bulb Replaceable Stop/Turn/Tail Lamp  1. 20TL80329R Red lamp 2. 99177R Red screw on lens 3. 99177Y Yellow screw on lens 4. 20TL99090R Red snap on lens 5. 20TL99090Y Yellow snap on lens	Model 80 Bulb Replaceable Multi-Function Lamp - GM/IH  1. 20TL80330R Red LH Lamp - GM/IH 2. 20TL80331R Red RH Lamp - GM/IH 3. 20TL99068R Red lens	Model 80 Bulb Replaceable Stop/Turn/Tail Lamp  1. 20TL80334R Red w/black steel housing 2. 20TL80335R Red w/S/S housing 3. 20TL80336R Red w/polished S/S housing 4. 20TL99007R Red lens 5. 20TL99007Y Yellow lens
Model 80 Bulb Replaceable Stop/Turn/Tail Lamp  1. 20TL80339R Red lamp 2. 20TL99008R Red lens	Model 80 Multi-Function w/Metri Pack Connector - GM/IH/Navistar  1. 20TL80380R Red RH lamp GM/IH/Navistar	Model 80 Multi-Function w/Metri Pack Connector - Mack  1. 80382R Red lamp - Mack
Model 80 Multi-Function w/Metri Pack Connector - Navistar  1. 20TL80383R Red lamp - Navistar		

8.1.5.8: TRUCK-LITE MODEL 82

Super 82 Sealed Multi-Function Retro Fit Lamp Kit



- | | | |
|----|------------|-----------------------------------|
| 1. | 20TL82030R | Red RH single receptacle lamp kit |
| 2. | 20TL82031R | Red LH single receptacle lamp kit |
| 3. | 20TL82034R | Red dual outlet lamp kit |
| 4. | 20TL82300R | Red RH single receptacle lamp |
| 5. | 20TL82301R | Red LH single receptacle lamp |
| 6. | 20TL82304R | Red dual outlet lamp |
| 7. | 20TL82720 | Bracket |

Super 82 Shock-Mounted Bracket & Wiring Accessories



- | | | |
|----|-----------|---|
| 1. | 20TL82720 | Bracket |
| 2. | 20TL95000 | Universal 5 wire plug assembly |
| 3. | 20TL95007 | Jumper harness, 4 wire harness assembly |

8.1.5.9: TRUCK-LITE MODEL 91

Model 91 Sealed Stop/Turn/Tail/Park/Clearance Lamp



- | | | |
|----|------------|-------------|
| 1. | 20TL91002R | Red kit |
| 2. | 20TL91002Y | Yellow kit |
| 3. | 91202R | Red lamp |
| 4. | 20TL91202Y | Yellow lamp |
| 5. | 20TL94993 | Plug |

8.1.6: TRUCK-LITE MODULES

Metal LED Stop/Turn/Tail Module



- | | |
|---------------|--------------------------------|
| 1. 20TL40626 | Universal |
| 2. 20TL44222R | 44 Diode LED red lamp w/flange |
| 3. 20TL94706 | Plug |
| 4. 94795 | Plug |
| 5. 94796 | Plug |

Plastic Stop/Turn/Tail Module



- | | |
|---------------|-------------|
| 1. 20TL40742 | LH |
| 2. 20TL40743 | RH |
| 3. 20TL40202R | 2 Red lamps |
| 4. 20TL40700 | 2 Grommets |
| 5. 20TL40722 | Module box |
| 6. 20TL50200 | LH plug |
| 7. 20TL50201 | RH plug |

Metal Stop/Turn/Tail Module



- | | |
|---------------|-------------|
| 1. 20TL40746 | LH |
| 2. 20TL40747 | RH |
| 3. 20TL40202R | 2 Red lamps |
| 4. 20TL40700 | 2 Grommets |
| 5. 20TL40721 | Flange |
| 6. 20TL40722 | Module box |
| 7. 20TL50200 | LH plug |
| 8. 20TL50201 | RH plug |

Metal Stop/Turn/Tail Module with Side Marker



- | | |
|---------------|-------------|
| 1. 20TL40756 | LH |
| 2. 20TL40757 | RH |
| 3. 20TL40202R | 2 Red lamps |
| 4. 20TL19200R | Red lamp |
| 5. 20TL40700 | 2 Grommets |
| 6. 20TL94942 | LH plug |
| 7. 20TL94942 | RH plug |
| 8. 20TL94933 | Plug |

Metal Stop/Turn/Tail/Back-Up Module with Side Marker & Turn Signal Lamp



- | | |
|---------------|------------|
| 1. 20TL40762 | LH |
| 2. 20TL40763 | RH |
| 3. 20TL40242R | 2 Red lamp |
| 4. 20TL40241R | Red lamp |
| 5. 20TL19200R | Red lamp |
| 6. 20TL40700 | 3 Grommets |

HD Metal Power Unit Module with Junction Box



- | | |
|---------------|-------------|
| 1. 20TL40850 | Module |
| 2. 20TL40242R | 2 Red lamps |
| 3. 20TL40204R | Red lamp |
| 4. 20TL19206 | Clear lamp |

Metal Module Box 4" Lamp



- | | |
|--------------|-------------------|
| 1. 20TL40725 | Universal |
| 2. 20TL40604 | LH w/wire grommet |
| 3. 20TL40605 | RH w/wire grommet |



- | | |
|--------------|-----------------------|
| 1. 20TL45742 | LH w/yellow turn lamp |
| 2. 20TL45743 | RH w/yellow turn lamp |

8.1.7: TRUCK-LITE TURN SIGNAL LIGHTING

8.1.7.1: TRUCK-LITE MODEL 20

Model 20 Side Turn Indicator



- | | |
|---------------|--------------------------------|
| 1. 20TL20301Y | Yellow side turn lamp |
| 2. 20TL20304Y | Yellow side turn & marker lamp |
| 3. 20TL99005Y | Lens |

Model 20 Side Turn Indicator



- | | |
|---------------|-------------------------------------|
| 1. 20TL20301Y | Yellow side turn lamp w/ground wire |
| 2. 20TL99005Y | Lens |

8.1.7.2: TRUCK-LITE MODEL 22

Model 22 Surface Mount Side Turn Indicator Lamp Kit



- | | |
|---------------|--|
| 1. 20TL22002Y | Yellow DC lamp kit |
| 2. 20TL22004Y | Yellow DC lamp kit w/gasket |
| 3. 20TL22006R | Red DC auxiliary sealed lamp & gasket |
| 4. 20TL22006Y | Yellow DC auxiliary sealed lamp & gasket |
| 5. 20TL22202R | Red DC auxiliary sealed lamp |
| 6. 20TL22202Y | Yellow DC auxiliary sealed lamp |
| 7. 20TL92993 | Plug |

8.1.7.3: TRUCK-LITE MODEL 40

Super 40 Sealed Turn Signal  1. 20TL40241R 2. 20TL40241Y Red lamp Yellow lamp	Model 40 Sealed Turn Signal or Tail Grommet Mount Lamp Kit  1. 20TL40001R 2. 20TL40001Y 3. 20TL40201R 4. 20TL40201Y 5. 20TL40050R 6. 20TL40700 7. 20TL94992 Red kit Yellow kit Red lamp Yellow lamp Red lamp w/Fruehauf plug Grommet Plug	Model 40 Wide Turn Indicator Lamp Kit  1. 20TL40802 2. 20TL40803 3. 40810 4. 20TL40204 5. 20TL40700 6. 99152 LH kit RH kit Bracket 2 Lamps 2 Grommets Lens	
Model 40 Grommet Mount Kit  1. 20TL40403 2. 20TL40700 3. 20TL94993 Kit Grommet Plug	Model 40 S/S Grommet Cover  1. 20TL40705 Cover	Adapter Ring for 4" Lamps  1. 20TL50831 Adapter	Model 40 Steel Mounting Brackets  1. 20TL40719 2. 20TL40720 3. 20TL40715 Bracket w/o flange Bracket w/flange 2 Lamp Bracket

8.1.7.4: TRUCK-LITE MODEL 60

Super 60 Oval Sealed Turn Signal  1. 20TL60001R Red kit 2. 20TL60001Y Yellow kit 3. 20TL60201R Red lamp 4. 20TL60201Y Yellow lamp 5. 20TL60700 Grommet 6. 20TL94992 Plug	Model 60 Seal Mid Trailer Side Turn Indicator  1. 20TL60015R Red kit (rear) 2. 20TL60015Y Yellow kit 3. 20TL60215R Red lamp (rear) 4. 20TL60215Y Yellow lamp 5. 20TL60700 Grommet 6. 20TL94993 Plug	Model 60 Oval Turn Signal  1. 20TL60330R Red kit 2. 20TL99023R Lens & housing 3. 20TL60700 Grommet 4. 20TL94959 Socket Assembly
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8.1.7.5: TRUCK-LITE MODEL 70

Model 70 Pedestal Turn Signal


1. 20TL70300 Red/Yellow S.C. lamp
2. 99009R Red lens
3. 99009Y Yellow lens

Model 70 Pedestal Turn Signal


1. 20TL70330R Red lamp
2. 99009R Red lens

**Model 70 Double Face Turn Signal
Ford**


1. 20TL70356 LH
2. 20TL70357 RH
3. 99086R Red lens

8.1.7.6: TRUCK-LITE MODEL 81

**Model 81 Bulb Replaceable Turn Signal
with Black Steel Housing**


1. 20TL81300 Red lamp
2. 97945 Steel ring
3. 20TL97945 Red lens

**Model 81 Double Face
with Side Marker - GM**


1. 20TL81305 Yellow lamp
2. 20TL99128 Yellow lens

**Model 81 Double Face
with Side Marker - Ford**


1. 20TL81306 Red/Yellow LH lamp
2. 20TL81307 Red/Yellow RH lamp
3. 20TL99128R Red lens
4. 20TL99128Y Yellow lens

**Model 81 Double Face
with Side Marker - GMC**


1. 20TL81308 Red/Yellow LH lamp
2. 20TL81309 Red/Yellow RH lamp
3. 20TL99128R Red lens
4. 20TL99128Y Yellow lens

**Model 81 Double Face
with Side Marker - International**


1. 20TL81310 Red/Yellow lamp
2. 20TL99128R Red lens
3. 20TL99128Y Yellow lens

Model 81 Double Face Universal Style


1. 20TL81311 Red/Yellow lamp
2. 20TL99128R Red lens
3. 20TL99128Y Yellow lens

8.1.8: TRUCK-LITE BACK-UP LIGHTING

Model 20 Bulb Replaceable Back-Up Lamp


- | | |
|---------------|------------------------|
| 1. 20TL20303 | Clear lamp |
| 2. 20TL20308 | Clear flush mount lamp |
| 3. 20TL99005C | Lens |

Super 40 4" Sealed Back-Up Grommet Mount Lamp Kit


- | | |
|--------------|------------|
| 1. 20TL40044 | Clear kit |
| 2. 20TL40244 | Clear lamp |
| 3. 20TL40700 | Grommet |
| 4. 20TL94992 | Plug |

Model 40 4" Sealed Grommet Mount Lamp Kit


- | | |
|--------------|------------|
| 1. 20TL40004 | Clear kit |
| 2. 20TL40204 | Clear lamp |
| 3. 20TL40700 | Grommet |
| 4. 20TL94992 | Plug |

Model 40 4" Sealed Back-Up Lamp with Flange


- | | |
|--------------|------------|
| 1. 20TL40024 | Clear kit |
| 2. 20TL40224 | Clear lamp |
| 3. 20TL94992 | Plug |

Model 60 Sealed Back-Up Grommet Mount Lamp Kit


- | | |
|--------------|------------|
| 1. 20TL60004 | Clear kit |
| 2. 20TL60204 | Clear lamp |
| 3. 20TL60700 | Grommet |
| 4. 20TL94992 | Plug |

Model 80 Universal Bulb Replaceable Back-Up Lamp Kit with Rubber Body


- | | |
|--------------|-----------|
| 1. 20TL80340 | Clear kit |
| 2. 99095C | Lens |

Model 80 Bulb Replace Back-Up Lamp with Black Steel Housing


- | | |
|---------------|------|
| 1. 20TL80342 | Lamp |
| 2. 20TL99008C | Lens |

8.1.9: TRUCK-LITE LICENSE LIGHTING

Model 15 Rectangular Sealed Lamp

- | | |
|---------------|--------------------------|
| 1. 20TL15200C | Clear utility lamp |
| 2. 20TL15208 | Clear license plate lamp |

Model 15 License Lamp Mounting Bracket Kit

- | | |
|--------------|-----------------|
| 1. 20TL15011 | Grey kit |
| 2. 20TL15012 | Black kit |
| 3. 20TL15208 | Clear lamp |
| 4. 20TL15729 | Grey bracket |
| 5. 20TL15730 | Black bracket |
| 6. 97032 | Optional gasket |

Model 17 Sealed License Lamp Kit

- | | |
|--------------|--------------------------------|
| 1. 20TL17001 | Clear kit w/90 degree hot wire |
| 2. 20TL17002 | Clear kit w/straight hot wire |
| 3. 20TL17003 | Clear kit w/bracket |
| 4. 20TL17200 | Clear lamp |

Model 17 License Lamp Mounting Bracket

- | | |
|---------------|---------|
| 1. 20TL177200 | Bracket |
|---------------|---------|

Model 19 Double Bulb Sealed Lamp

- | | |
|---------------|--------------------------|
| 1. 20TL19200C | Clear utility lamp |
| 2. 20TL19206 | Clear license plate lamp |

Super 21 Sealed License Lamp Kit

- | | |
|---------------|------------|
| 1. 20TL21004C | Clear kit |
| 2. 20TL21204C | Clear lamp |
| 3. 96920 | Hot Wire |

Model 26 Bulb Replaceable License Lamp

- | | |
|--------------|-------|
| 1. 20TL26330 | Clear |
|--------------|-------|

Model 26 Bulb Replaceable License/Courtesy Lamp

- | | |
|--------------|-------|
| 1. 20TL26331 | Clear |
|--------------|-------|

Model 26 Bulb Replaceable License Lamp

- | | |
|--------------|-------|
| 1. 20TL26335 | Clear |
|--------------|-------|

Model 26 Bulb Replaceable License Lamp

- | | |
|--------------|-------|
| 1. 20TL26336 | Clear |
|--------------|-------|

Model 42 License Plate Bracket



1. 20TL42722

Bracket

8.1.10: TRUCK-LITE UTILITY & DOME LIGHTING

Super 10 Sealed Utility Lamp



1. 20TL10209C

Clear

Model 10 Sealed Utility Lamp



1. 20TL10202C

Clear

Model 20 Bulb Replaceable Utility/Dome Lamp


1. 20TL20302
2. 20TL20308

Clear dome 12cp with ground wire
Clear utility 32cp

Model 30 Sealed Utility Lamp



1. 20TL30200C

Clear

Model 40 Sealed Dome Lamp Kit


1. 20TL40003
2. 20TL40203
3. 20TL40700
4. 20TL94992

Clear kit
Clear lamp
Grommet
Plug

Model 80 Bulb Replaceable Dome Lamp


1. 20TL80350
2. 20TL80351
3. 20TL80352
4. 20TL80353

Clear with switch chrome
Clear chrome
Clear with switch epoxy powder coated
Clear epoxy powder coated

Model 80 Bulb Replaceable Dome Lamp


1. 20TL80354
2. 20TL80355

Clear with switch chrome
Clear chrome

8.1.11: TRUCK-LITE BUS LIGHTING

Sealed Rectangular Lamps and Housings



- | | |
|--------------|---------------------------------|
| 1. 20TL07080 | 12V Yellow front park/turn lamp |
| 2. 20TL07081 | 12V Red S/T/T lamp |
| 3. 20TL07082 | 12V Back-Up lamp |
| 4. 20TL07093 | 24V Red stop lamp |

8.1.12: TRUCK-LITE REPLACEMENT LENSES

8.1.12.1: TRUCK-LITE MODEL 10

Model 10 M/C Lens



- | | |
|---------------|-----|
| 1. 20TL99001R | Red |
|---------------|-----|

8.1.12.2: TRUCK-LITE MODEL 18

Model 18 Rectangular Lens



- | | |
|---------------|--------|
| 1. 20TL99012Y | Yellow |
|---------------|--------|

8.1.12.3: TRUCK-LITE MODEL 20

Model 20 Round Lens

0



- | | |
|---------------|--------|
| 1. 20TL99005R | Red |
| 2. 20TL99005Y | Yellow |
| 3. 20TL99005C | Clear |

8.1.12.4: TRUCK-LITE MODEL 26

Model 26 Cab Marker Lens  1. 20TL07021 Yellow	Model 26 M/C Lens  1. 20TL99035R Red	Model 26 Oblong Lens  1. 20TL99045R Red 2. 20TL99045Y Yellow	Model 26 Oblong Lens  1. 20TL99048R Red 2. 20TL99048Y Yellow
Model 26 Beehive Lens  1. 20TL99039R Red 2. 20TL99039Y Yellow	Model 26 Oblong Lens  1. 20TL99050R Red 2. 20TL99050Y Yellow	Model 26 Oblong Lens  1. 20TL99051R Red 2. 20TL99051Y Yellow	Model 26 Pee-Wee M/C Lens  1. 20TL99052R Red 2. 20TL99052Y Yellow 3. 20TL99052B Blue
Model 26 Double Bulls-Eye  1. 20TL99053R Red 2. 20TL99053Y Yellow 3. 20TL99053B Blue 4. 20TL99053C Clear	Model 26 Oblong M/C Lens  1. 20TL99055R Red 2. 20TL99055Y Yellow	Model 26 Cab Marker Lens  1. 20TL99066Y Yellow	Model 26 Cab Marker Lens  1. 20TL99067Y Yellow

8.1.12.5: TRUCK-LITE MODEL 60

Model 60 Oval Tail Lens  1. 20TL99011R Red 2. 20TL99011Y Yellow	
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8.1.12.6: TRUCK-LITE MODEL 70

Model 70 4" Tail Lens  1. 20TL99090R Red 2. 20TL99090Y Yellow	
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8.1.12.7: TRUCK-LITE MODEL 80

Model 80 Round Lens  1. 20TL99007R Red acrylic 2. 20TL99007Y Yellow acrylic 3. 20TL99008R Red Lexan	Model 80 Back-Up Lens  1. 20TL99007C Clear acrylic 2. 20TL99008C Clear Lexan	Model 80 Multi-Function Lens  1. 20TL99068R Red	Model 80 Dome Lens  1. 20TL99082C Clear w/switch hole
Model 80 Signal Lens  1. 20TL99087R Red	Model 80 Dome Lens  1. 20TL99088C Clear	Model 80 Tail Lens  1. 20TL99103R Red	

8.1.12.8: TRUCK-LITE MODEL 81

Model 81 Turn Signal Lens  1. 20TL99128R Red 2. 20TL99128Y Yellow	Model 81 Turn Signal Lens  1. 20TL99130Y Yellow
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8.1.12.9: MISCELLANEOUS LENS

3" Oblong Lens  1. 20TL99049R Red	4" Oblong Lens  1. 20TL99054R Red 2. 20TL99054Y Yellow 3. 20TL97934 O-Ring	2" Round Lens  1. 20TL99037R Red 2. 20TL99037Y Yellow	2-1/2" Round Lens  1. 20TL99036R Red 2. 20TL99036Y Yellow
2-3/8" Round Lens  1. 20TL99034Y Yellow	3-3/4" Tail Lens  1. 20TL99076R Red	4-1/8" Tail Lens  1. 20TL99077R Red 2. 20TL99077Y Yellow	4-3/8" Tail Lens  1. 20TL99085R Red 2. 20TL99085Y Yellow

Betts Oblong Lens  1. 20TL99043Y Yellow	Betts Tail Lens  1. 20TL99101R Red		
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8.1.13: TRUCK-LITE MOUNTING ACCESSORIES

8.1.13.1: TRUCK-LITE MODEL 10

Model 10 Surface Grommet Mount Kit  1. 20TL10412 Open back kit 2. 20TL10413 Closed back kit 3. 20TL10722 Bracket 4. 20TL94902 Plug	Model 10 Open Back Grommet Mount Kit  1. 20TL10401 Mount kit 2. 20TL10700 Grommet 3. 20TL94902 Plug	Mount 10 Closed Back Grommet Mount Kit  1. 20TL10402 Mount kit 2. 20TL10702 Grommet 3. 20TL94902 Plug	Model 10 Diaphragm Grommet Mount Kit  1. 20TL10403 Mount kit 2. 20TL10708 Grommet 3. 20TL94902 Plug
Model 10 3" Grommet Mount Kit  1. 20TL10404 Mount kit 2. 20TL10704 Black Grommet 3. 20TL10706 White Grommet 4. 20TL94902 Plug	Model 10 Branch Deflector Mount Kit  1. 20TL10414 Mount kit 2. 20TL10725 Bracket 3. 20TL10700 Grommet 4. 20TL94902 Plug	Model 10 S/S Grommet Cover  1. 20TL10705 Cover	Model 10 Surface Mount Kit  1. 20TL10400 Mount kit 2. 20TL10720 Bracket 3. 20TL94902 Plug
Model 10 Flex Strap Mount Kit  1. 20TL10406 Mount kit 2. 20TL10720 Bracket 3. 00780 Strap 4. 20TL94902 Plug	Model 10 Plastic Cam-on Mount Kit  1. 20TL10410 Mount kit 2. 20TL10724 Bracket w/o ribs 3. 20TL10727 8-1/2" Bracket 4. 20TL10700 Grommet 5. 20TL94902 Plug	Model 10 Curved Brackett  1. 20TL10738 Mount kit	Model 10 "L" Bracket  1. 20TL10729 "L" Mount

8.1.13.2: TRUCK-LITE MODEL 15

Model 15 Adapter Mount Kit		Model 15 Adapter Mount Kit		Model 15 Rail Mount Kit		Model 15 Branch Deflector Mount Kit	
							
1. 20TL15404	Mount kit grey	1. 20TL15406	Mount kit grey	1. 20TL15412	Mount Kit	1. 20TL15401	Mount Kit
2. 20TL15405	Mount kit chrome	2. 20TL15407	Mount kit chrome	2. 20TL15413	Mount Kit	2. 20TL15720	Bracket
3. 20TL00790	Adapter, grey	3. 20TL15408	Mount kit black	3. 20TL15414	Mount Kit	3. 20TL96904	Plug
4. 20TL00791	Adapter chrome	4. 00792	Adapter, grey	4. 20TL15727	Bracket for 1, 2		
5. 20TL94906	Plug	5. 20TL00793	Adapter chrome	5. 20TL15728	Bracket for 3		
		6. 00809	Adapter, black	6. 20TL94924	Plug for 1, 3		
		7. 20TL96904	Hot wire for 1, 2	7. 20TL94927	Plug for 2		
		8. 96913	Hot wire for 3				
Model 15 Grommet Mount		Model 15 Grommet Mount					
							
1. 20TL15700	Grommet	1. 20TL15702	Grommet				

8.1.13.3: TRUCK-LITE MODEL 19

Model 19 Plastic Lamp Guard		Model 19 Plastic Lamp Guard		Model 19 Aluminum Lamp Guard	
					
1. 20TL19720	Mount	1. 20TL19723	Guard	1. 20TL19724	Guard
2. 20TL19722	Curved Mount				
3. 20TL96904	Wire				
4. 20TL96919	Wire w/.180 bullet				
5. 20TL94727	Plug				

8.1.13.4: TRUCK-LITE MODEL 30

Model 21 Steel Mount Bracket			
			
1. 20TL21722	Bracket		

8.1.13.5: TRUCK-LITE MODEL 30

Model 30 LED Branch Deflector Mount Kit  1. 20TL30410 Mount kit 2. 30730 Inner mount 3. 30731 Outer mount	Model 30 Surface Mount Kit  1. 20TL30400 Surface mount kit 2. 20TL30720 Bracket 3. 20TL94902 Plug	Model 30 Open Back Grommet Mount Kit  1. 20TL30401 Grommet kit 2. 20TL30700 Grommet 3. 20TL94902 Plug
Model 30 Closed Back Grommet Mount Kit  1. 20TL30402 Grommet kit 2. 20TL30702 Grommet .75" hole dia. 3. 20TL30704 Grommet .50" hole dia. 4. 20TL94902 Plug	Model 30 Plastic Cam-on Mount Kit  1. 20TL30403 Mount Kit 2. 20TL00801 Bracket 3. 20TL94902 Plug	Model 30 Branch Deflector Mount Kit  1. 20TL30404 Mount kit 2. 20TL30721 Bracket 3. 20TL30700 Grommet 4. 20TL94902 Plug
Model 30 Branch Deflector Mount Kit  1. 20TL30405 Mount kit 2. 20TL30722 Bracket 3. 20TL30701 Grommet 4. 20TL94902 Plug	Model 30 Adapter Mount Kit  1. 20TL30407 Mount kit 2. 20TL30727 Bracket 3. 20TL30701 Grommet 4. 20TL94902 Plug	Model 30 L Mounting Bracket  1. 20TL30728 Bracket

8.1.13.6: TRUCK-LITE MODEL 40

Model 40 Grommet Mount Kit  1. 20TL40403 Kit 2. 20TL40700 Grommet 3. 20TL94993 Plug	Model 40 S/S Grommet Cover  1. 20TL40705 Cover	Adapter Ring for 4" Lamps  1. 20TL50831 Adapter
Model 40 Steel Mounting Brackets  1. 20TL40719 Bracket w/o flange 2. 20TL40720 Bracket w/flange 3. 20TL40715 2 Lamp Bracket	Metal Module Box 4" Lamp  1. 20TL40725 Universal 2. 20TL40604 LH w/wire grommet 3. 20TL40605 RH w/wire grommet	

8.1.13.7: TRUCK-LITE MODEL 45

Super 45 & LLV Grommets



1. 20TL45700
2. 20TL45701

Super 45
LLV

Model 45 Mounting Brackets



1. 20TL45720
2. 20TL45721

Bracket w/flange
Bracket w/out flange

8.1.13.8: TRUCK-LITE MODEL 60

Model 60 Grommet Mount Kit



1. 20TL60403
2. 20TL60700
3. 20TL94993

Mount kit
Grommet
Plug

Model 60 S/S Grommet Cover



1. 20TL60721

Cover

Model 60 Mounting Brackets



1. 20TL60720
2. 20TL60722
3. 20TL60723

Steel bracket
Steel bracket w/o flange
Alum. bracket

Model 60 "Z" Mounting Brackets



1. 20TL60728
2. 20TL60733

Bracket
Bracket w/notch flange

Model 60 Tanker Mounting Brackets



1. 20TL60730
2. 20TL60731

S/S "L" bracket
S/S Standoff bracket

8.1.14: TRUCK-LITE SOCKETS & PLUGS



1. 20TL94862 Single plug assembly w/.180 bullet & #6 ground terminal
2. 20TL94888 Single plug assembly w/.156 bullet & #6 ground terminal
3. 20TL94718 Single plug w/.180 bullet & #10 ring terminal



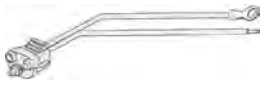
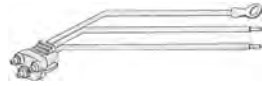
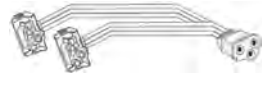
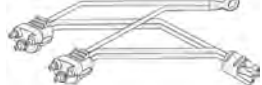
1. 20TL93745 C/M adapter plug



1. 20TL94706 Stop/Turn/Tail/Mid-Turn Adapter Plug
2. 20TL94789 Turn signal adapter plug



1. 20TL94707 Stop/Turn/Tail/Mid-Turn Plug
2. 20TL94759 Turn signal plug assembly

20TL94925	Stop/Turn Plug		20TL94926	Stop/Turn/Tail Plug	
20TL94992	Right Angle Stop/Turn Plug		20TL94931 20TL94993 20TL94802	Right Angle Stop/Turn/Tail Plug	
20TL94853	Right Angle S/T/T Plug w/Adapter		20TL94932	Right Angle S/T/T Plug w/Adapter	
20TL94948 20TL94949	Right Angle S/T/T Plug w/Adapter		20TL94959 94960	Socket Assembly	
20TL94940	M/C Socket Assembly		20TL94850 20TL94902 20TL94917 20TL94920	M/C Plug	
20TL94924 20TL94927 20TL94964	M/C Plug		20TL93906 20TL93908	ID Harness	
20TL94922	License Lamp Plug		20TL96930 20TL96931 20TL96932 20TL96935	Super 21 Plug	



8.2 Peterson

**8.2.1: PETERSON CLEARANCE MARKER LIGHTS & ACCESSORIES****FRUEHAUF Style Rail Mount Lamp**

- | | | |
|----|------------|------------|
| 1. | 20PM95A | Amber lamp |
| 2. | 20PM95R | Red lamp |
| 3. | 20PM95-15A | Amber lens |
| 4. | 20PM95-15R | Red lens |

FRUEHAUF Style Surface Mount Lamp

- | | | |
|----|------------|------------|
| 1. | 20PM96A | Amber lamp |
| 2. | 20PM96R | Red lamp |
| 3. | 20PM95-15A | Amber lens |
| 4. | 20PM95-15R | Red lens |

“Compact” Surface Mount Lamp

- | | | |
|----|--------------|------------|
| 1. | 20PMM100A | Amber lamp |
| 2. | 20PMM100R | Red lamp |
| 3. | 20PMB100-15A | Amber lens |
| 4. | 20PMB100-15R | Red lens |

“Champion” Surface Mount Lamp

- | | | |
|----|--------------|------------|
| 1. | 20PMM104A | Amber lamp |
| 2. | 20PMM104R | Red lamp |
| 3. | 20PMB100-15A | Amber lens |
| 4. | 20PMB100-15R | Red lens |

Combination 1-Bulb Surface Mount Lamp

- | | | |
|----|--------------|------------|
| 1. | 20PM108WA | Amber lamp |
| 2. | 20PM108WR | Red lamp |
| 3. | 20PMB108-15A | Amber lens |
| 4. | 20PMB108-15R | Red lens |

Vanguard Diecast Housing Lamp

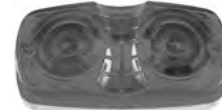
- | | | |
|----|-----------|----------|
| 1. | 20PMM124R | Red lamp |
|----|-----------|----------|

Oblong 2-Bulb Surface Mount Lamp

- | | | |
|----|--------------|------------|
| 1. | 20PMM135A | Amber lamp |
| 2. | 20PMM135R | Red lamp |
| 3. | 20PMB134-15A | Amber lens |
| 4. | 20PMB134-15R | Red lens |

Rectangular 2-Bulb Surface Mount Lamp with Plate Base

- | | | |
|----|--------------|------------|
| 1. | 20PMM138A | Amber lamp |
| 2. | 20PMM138R | Red lamp |
| 3. | 20PMB138-15A | Amber lens |
| 4. | 20PMB138-15R | Red lens |

Rectangular 2-Bulb Surface Mount Lamp with Die-Cast Base

- | | | |
|----|--------------|------------|
| 1. | 20PMM139A | Amber lamp |
| 2. | 20PMM139R | Red lamp |
| 3. | 20PMB138-15A | Amber lens |
| 4. | 20PMB138-15R | Red lens |
| 5. | 20PM139-18 | O-ring |

Piercing Point Surface Mount Lamp

- | | | |
|----|--------------|------------|
| 1. | 20PM141A | Amber lamp |
| 2. | 20PM141R | Red lamp |
| 3. | 20PMB100-15A | Amber lens |
| 4. | 20PMB100-15R | Red lens |

2-1/2" Sealed Lamp

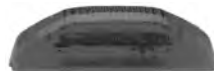
- | | | |
|----|-------------|------------|
| 1. | 20PMM142A | Amber lamp |
| 2. | 20PMM142R | Red lamp |
| 3. | 20PMB142-49 | Plug |

2" Sealed Lamp

- | | | |
|----|-------------|------------|
| 1. | 20PMM146A | Amber lamp |
| 2. | 20PMM146R | Red lamp |
| 3. | 20PMB142-49 | Plug |

Sealed Light Two Bulb Lamp

- | | | |
|----|---------|------------|
| 1. | BET154R | Red lamp |
| 2. | BET154A | Amber lamp |

Piranha LED Clearance Marker Lamp

- | | | |
|----|----------|-------------------|
| 1. | 20PM160A | Amber lamp w/plug |
| 2. | 20PM160R | Red lamp w/plug |

Branch Deflector for #160 Light

- | | | |
|----|------------|---------|
| 1. | 20PM160-09 | Bracket |
|----|------------|---------|

2-1/2" LED Sealed Lamp  1. 20PM163A Amber lamp 2. 20PM163R Red lamp	2" Branch Deflector Base  1. 20PM146-09 Base	ABS 2" Sealed Lamp  1. 20PMM146ABS Amber lamp w/ABS
2-1/2" Flush Mount Grommet  1. 20PM143-18 Grommet poly pack		

8.2.2: PETERSON TURN SIGNAL, STOP/TURN/TAIL LIGHT, & ACCESSORIES

Flush Mount Retainer Ring  1. 20PM413 Red lamp 2. 20PM410-21 Retainer ring 3. 20PMB410-15R Red lens 4. 20PMB413-07 Plug	Sealed Stop/Turn/Tail Light  1. 20PMM426KR Red lamp kit 2. 20PMM426R Red lamp 3. 20PMB426-18 Grommet 4. 431-491 Plug	Universal Stop/Turn/Tail Light Module  1. 20PM430L LH Red lamp 2. 20PM430R RH Red lamp 3. 20PM430-25 Red lens 4. 20PMB413-07 Plug
Side Marker Surface Mount Lamp  1. 20PMM343A Amber lamp	Piranha LED Oval Stop/Turn/Tail Light  1. 20PM423R Red lamp	3-Wire Plug  1. 431-491 Plug

8.2.3: PETERSON LICENSE LIGHTS & ACCESSORIES

Chrome License Lamp  1. 20PMM435 Lamp	Lexan Housing License Lamp  1. 20PMM436 Lamp	Sealed License Lamp  1. 20PMM439 Lamp
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8.2.4: PETERSON REPLACEMENT LENS

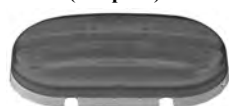
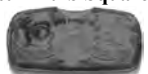
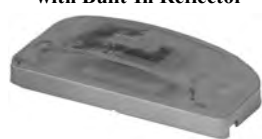
		
1. 20PM95-15A 2. 20PM95-15R Amber lens Red lens	1. 20PMB100-15A 2. 20PMB100-15R Amber lens Red lens	1. 20PMB410-15R Red lens
		
1. 20PMB108-15A 2. 20PMB108-15R Amber lens Red lens	1. 20PMB134-15A 2. 20PMB134-15R Amber lens Red lens	1. 20PMB138-15A 2. 20PMB138-15R Amber lens Red lens
		
1. 20PM430-25 Red lens	1. 20PM130-25A 2. 20PM130-25R Amber lens Red lens	

Grote

8.3 Grote

Grote

8.3.1: GROTE CLEARANCE & MARKER LIGHTING

2-1/2" Sealed Lamp  1. 20GR45812 Red lamp 2. 20GR45813 Yellow lamp 3. 78343 Yellow ABS lamp	Low Profile Lamp  1. 20GR45662 Red lamp 2. 20GR45663 Yellow	Duramold Two Bulb Oval Lamp  1. 20GR45262 Red lamp 2. 20GR45263 Yellow lamp 3. 20GR91572 Red lens 4. 20GR91573 Yellow lens
Duramold 2-Bulb Oval Lamp with Built-in Reflector  1. 20GR45932 Red lamp 2. 20GR45933 Yellow lamp 3. 20GR90202 Red lens 4. 20GR90203 Yellow lens	Duramold 2-Bulb Oval Lamp (no splice)  1. 20GR45432 Red lamp 2. 20GR45433 Yellow lamp 3. 20GR91572 Red lens 4. 20GR91573 Yellow lens	2-Bulb Turtle-Back Lamp  1. 20GR45462 Red lamp 2. 20GR45463 Yellow lamp 3. 20GR90172 Red lens 4. 20GR90173 Yellow lens
2-Bulb Turtle-Back Lamp with Built-in Reflector  1. 20GR46302 Red lamp 2. 20GR46303 Yellow lamp 3. 20GR91042 Red lens 4. 20GR91043 Yellow lens	Two Bulb Turtle-Back Lamp (no splice)  1. 20GR45442 Red lamp 2. 20GR45443 Yellow lamp 3. 20GR90172 Red lens 4. 20GR90173 Yellow lens	Duramold 2-Bulb Square Corner Lamp  1. 20GR46792 Red lamp 2. 20GR46793 Yellow lamp 3. 20GR91962 Red lens 4. 20GR91963 Yellow lens
FRUEHAUF Lamp  1. 20GR46772 Red lamp 2. 20GR46773 Yellow lamp	Die-Cast 2-Bulb Square Corner Lamp  1. 20GR46782 Red lamp 2. 20GR46783 Yellow lamp 3. 20GR91962 Red lens 4. 20GR91963 Yellow lens	Sealed Turtle-Back II Lamp  1. 20GR46832 Red lamp 2. 20GR46833 Yellow lamp
Sealed Turtle-Back II Lamp with Built-In Reflector  1. 20GR46872 Red lamp 2. 20GR46873 Yellow lamp	Field Resealable Turtle-Back II Lamp  1. 20GR46802 Red lamp 2. 20GR46803 Yellow lamp 3. 20GR92172 Red lens 4. 20GR92173 Yellow lens	Sealed Multi-Function Sentry Lamp  1. 20GR53062 Red lamp 2. 20GR53063 Yellow lamp

Sealed Single Function Sentry Lamp  1. 20GR53163 Yellow lamp	Field Resealable Turtle-Back II Lamp with Reflectors  1. 20GR46862 Red lamp 2. 20GR46863 Yellow lamp	Die-Cast Aluminum Lamp (Rear Socket)  1. 20GR46292 Red lamp 2. 20GR46293 Yellow lamp 3. 20GR90922 Red lens 4. 20GR90923 Yellow lens
Die-Cast Aluminum Lamp (Flat Back)  1. 20GR46282 Red lamp 2. 20GR46283 Yellow lamp 3. 20GR90922 Red lens 4. 20GR90923 Yellow lens	Narrow Rail Lamp  1. 20GR45172 Red lamp 2. 20GR45173 Yellow lamp 3. 20GR99052 Red lens 4. 20GR99053 Yellow lens	Armored Lamp  1. 20GR45012 Red lamp 2. 20GR45013 Yellow lamp 3. 20GR90052 Red lens 4. 20GR90053 Yellow lens
Low Profile Bar Lamp  1. 20GR49042 Red lamp	Beehive Type Bar Lamp  1. 20GR49002 Red lamp 2. 20GR90302 Red lens	Thin Line LED  1. 20GR46902 Red lens white body 2. 20GR46903 Yellow lens white body

8.3.2: GROTE BRACKETS & GROMMETS

Twist-On Surface Mount Bracket  Fits #10 & #30 series lamps 1. 20GR43690 Grey Bracket	Closed Backed Rubber Grommet  Fits #40 series lamps 1. 20GR91950 Black rubber
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8.3.3: GROTE STOP/TURN/TAIL LIGHTING & ACCESSORIES

4" Die-Cast Double Face Lamp (Double Contact) 	4" Die-Cast Double Face Lamp (Single Contact) 	7" Jumbo Double Face Pedestal Lamp 
1. 20GR53000 Red/Yellow chrome plated lamp 2. 20GR53020 Red/Yellow black finish 3. 20GR91582 Red lens 4. 20GR91583 Yellow lens	1. 20GR56000 Red/Yellow chrome plated lamp 2. 20GR91582 Red lens 3. 20GR91583 Yellow lens	1. 20GR78153 Yellow/yellow
7" Jumbo Single Face Pedestal Lamp 	Sealed Male Pin Stop/Turn/Tail Lamp Kit 	Sealed Stop, Tail & Turn Lamp 
1. 20GR78303 Black lens with yellow arrow	1. 20GR53102 Red lamp 2. 20GR91740 Grommet 3. 20GR67002 Plug	1. 20GR52772 Red lamp
Sealed Oval Male Pin Turn/Marker Lamp 	Field Resealable S/S Lamp (Double Contact) 	Economy Stop/Turn/Tail S/S Lamp (Double Contact) 
1. 20GR52533 Yellow lamp 2. 20GR67002 Pigtail	1. 20GR52612 Red lamp S/S 2. 20GR52732 Red lamp white polycarbonate	1. 20GR52522 Red lamp 2. 20GR90012 Red lens
3-Stud Metri-Pack LH Replacement Lamp (Double Contact) 	2-Stud Mack/Dodge Replacement Lamp Torsion Mount 	3-Stud Peterbilt/Chev/Jeep/GMC Replacement Lamp with Pigtail 
1. 20GR53762 Red lamp	1. 20GR50992 Red lamp	1. 20GR50972 Red lamp

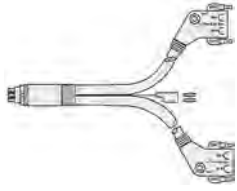
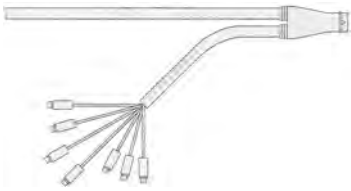
8.3.4: GROTE LICENSE & DOME LIGHTING

Duramold License Lamp  1. 20GR60001 Lamp	Duramold License Lamp with Pigtail  1. 20GR60121 Lamp	Economy License Lamp  1. 20GR60151 Lamp
Round Dome Lamp with Switch  1. 20GR61161 Lamp	Square Dome Lamp with Switch  1. 20GR61221 Lamp	Sealed Turtle Back II License Lamp  1. 20GR60331 Lamp

8.3.5: GROTE REPLACEMENT LENS

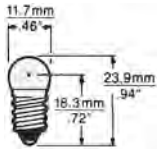
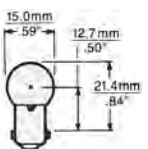
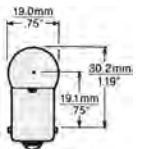
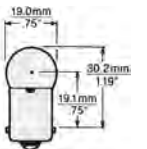
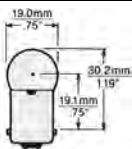
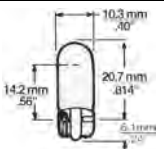
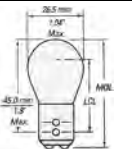
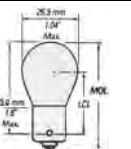
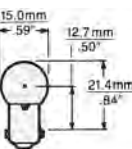
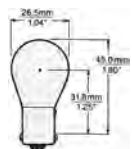
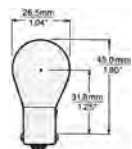
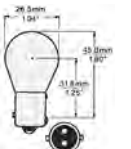
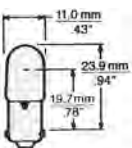
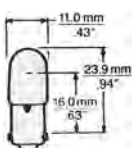
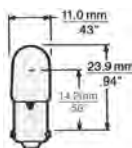
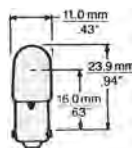
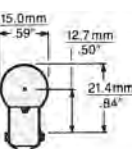
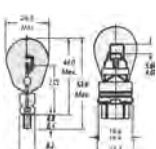
 1. 20GR90012 Red	 1. 20GR90052 Red 2. 20GR90053 Yellow	 1. 20GR90103 Yellow	 1. 20GR90122 Red
 1. 20GR90143 Yellow I	 1. 20GR90152 Red 2. 20GR90153 Yellow I	 1. 20GR90172 Red 2. 20GR90173 Yellow	 1. 20GR90202 Red 2. 20GR90203 Yellow
 1. 20GR90302 Red	 1. 20GR90922 Red 2. 20GR90923 Yellow	 1. 20GR91042 Red 2. 20GR91043 Yellow	 1. 20GR91572 Red 2. 20GR91573 Yellow
 1. 20GR91582 Red 2. 20GR91583 Yellow	 1. 20GR91962 Red 2. 20GR91963 Yellow	 1. 20GR92172 Red 2. 20GR92173 Yellow	

8.3.6: GROTE WIRING & ACCESSORIES

Lamp Harness Male to Single Contact Female  1. 20GR66170 24'	Main Harness  1. 20GR66080 35'	Lamp Harness Male to Double Contact Female  1. 20GR66160 12" 2. 67405 34' 7" Double contact female only
Rear Sill Harness  1. 20GR66001 52"	Main Harness with 44" Drop-off for Double Trailer Connection  1. 20GR66710 35'	Sealed Lamp Pigtail (Single Seal)  1. 20GR66800 6"
Sealed Lamp Pigtail (Double Seal)  1. 20GR66850 6"	Sentry Lamp Pigtail  1. 20GR66900 6"	Sentry Lamp Pigtail  1. 20GR66904 6"
Turtle Back II Lamp Pigtail  1. 20GR66910 6"	Turtle Back II Lamp Pigtail  1. 20GR66911 6"	Turtle Back II Lamp Pigtail  1. 20GR67070
2 Wire Plug-In Pigtail  1. 20GR67013 11"	Mid-Turn Adapter Pigtail  1. 20GR66820 6"	3 Wire Plug In Pigtail  1. 20GR67000 11-1/2"

8.4 Lamps & Bulbs

8.4.1: MINIATURE BULBS

 1. SYL53 2. MTR53 Economy	 1. SYL57 2. MTR57 Economy	 1. SYL67 2. MTR67 Economy	 1. SYL89 2. MTR89 Economy
 1. SYL97 2. MTR97 Economy	 1. SYL194 2. MTR194 Economy	 1. SYL198	 1. SYL199
 1. SYL293	 1. SYL1141	 1. SYL1156 2. MTR1156 Economy	 1. SYL1157 2. MTR1157 Economy
 1. SYL1815	 1. SYL1816	 1. SYL1889 1. MTR1889 Economy	 1. SYL1893 1. MTR1893 Economy
 1. SYL1895 1. MTR1895 Economy	 1. SYL3157		

8.5 Conspicuity Tape & Accessories



8.5.1: REFLECTIVE CONSPICUITY TAPE



Part Number	Description & Size
REFMSPREFRED150	150' x 2" Roll—red
REFV825542020	150' x 2" Roll—11" red / 7" white (classic)
REF18STRIPS	2" x 18" Strips—11" red / 7" white

8.5.2: CONSPICUITY REFLECTORS

8.5.2.1: SCREW ON CONSPICUITY REFLECTORS

Part Number	Description & Size	Figure
JKG2000WS	White horizontal, 13" x 1.12" x .25"	 *Hermetically sealed *Long lasting *Aftermarket used
JKG2000RS	Red horizontal, 13" x 1.12" x .25"	

8.5.2.2: CONSPICUITY REFLECTOR KITS & COMPONENTS

Straight Bracket Pair



1. JKG2800 24" x 3" x 4.375"

Angled Bracket Pair



1. JKG2845 24" x 3" x 4.375"

Straight Bracket Kit

Includes: 1 pair—JKG2000
2—JKG2000WP
2—JKG2001WP



1. JKG2800KIT

Angled Bracket Kit

Includes: 1 pair—JKG2845
2—JKG2000WP
2—JKG2001WP



1. JKG2845KIT



1. BETRT25

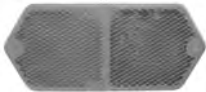
8.6 Reflectors



8.6.1: TRUCK-LITE REFLECTORS

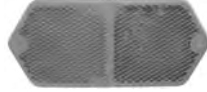


Acrylic rectangular adhesive backed reflector



- | | |
|---------------|--------|
| 1. 20TL98001R | Red |
| 2. 20TL98001Y | Yellow |

Polycarbonate rectangular adhesive backed reflector



- | | |
|---------------|--------|
| 1. 20TL98002R | Red |
| 2. 20TL98002Y | Yellow |

Acrylic rectangular adhesive backed reflector



- | | |
|---------------|--------|
| 1. 20TL98003R | Red |
| 2. 20TL98003Y | Yellow |

Acrylic round reflector in ABS base



- | | |
|---------------|-----|
| 1. 20TL98004R | Red |
|---------------|-----|

Acrylic round adhesive backed reflector



- | | |
|---------------|--------|
| 1. 20TL98005R | Red |
| 2. 20TL98005Y | Yellow |

Acrylic round center mount reflector



- | | |
|---------------|--------|
| 1. 20TL98006R | Red |
| 2. 20TL98006Y | Yellow |

Acrylic round center screw mount reflector



- | | |
|---------------|--------|
| 1. 20TL98007R | Red |
| 2. 20TL98007Y | Yellow |

Acrylic round adhesive backed reflector



- | | |
|---------------|--------|
| 1. 20TL98008R | Red |
| 2. 20TL98008Y | Yellow |

Acrylic round reflector in an oval aluminum housing



- | | |
|---------------|--------|
| 1. 20TL98030R | Red |
| 2. 20TL98030Y | Yellow |

Acrylic oblong screw mount reflector



- | | |
|---------------|--------|
| 1. 20TL98031R | Red |
| 2. 20TL98031Y | Yellow |

Acrylic oblong adhesive backed reflector



- | | |
|---------------|--------|
| 1. 98032R | Red |
| 2. 20TL98032Y | Yellow |

Acrylic hexagon adhesive backed reflector



- | | |
|---------------|--------|
| 1. 20TL98033R | Red |
| 2. 20TL98033Y | Yellow |

Chrome hexagon adhesive backed reflector



- | | |
|---------------|-----|
| 1. 20TL98034R | Red |
|---------------|-----|

8.6.2: PETERSON REFLECTORS

Aluminum oval reflector


- | | |
|--------------|-------|
| 1. 20PMB472A | Amber |
| 2. 20PMB472R | Red |

3-3/16" Round adhesive backed reflector


- | | |
|--------------|-------|
| 1. 20PMB475A | Amber |
| 2. 20PMB475R | Red |


3-3/16" Center mount reflector


- | | |
|--------------|-------|
| 1. 20PMB476A | Amber |
| 2. 20PMB476R | Red |

2-3/8" Center mount reflector


- | | |
|--------------|-------|
| 1. 20PMB477A | Amber |
| 2. 20PMB477R | Red |

Oblong adhesive backed reflector

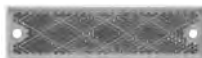

- | | |
|--------------|-------|
| 1. 20PMB480A | Amber |
| 2. 20PMB480R | Red |

2-3/8" Round adhesive back center mount reflector


- | | |
|--------------|-------|
| 1. 20PMB481A | Amber |
| 2. 20PMB481R | Red |

3-5/16" Center mount reflector in a protective housing


- | | |
|--------------|-------|
| 1. 20PMB486A | Amber |
| 2. 20PMB486R | Red |

**Acrylic oblong reflector
4-1/2" x 1-1/4"**


- | | |
|--------------|-------|
| 1. 20PMB488A | Amber |
|--------------|-------|

**Spitfire wide angle reflectors
rectangular adhesive backed
2-3/4" x 1-3/4"**


- | | |
|--------------|-------|
| 1. 20PMR489A | Amber |
| 2. 20PMB489R | Red |

Spitfire 2-7/8" Round adhesive backed wide angle reflector


- | | |
|--------------|-------|
| 1. 20PMB490A | Amber |
| 1. 20PMB490R | Red |

**Spitfire rectangular adhesive back wide angle reflector
4-5/16" x 1-11/16"**


- | | |
|--------------|-------|
| 1. 20PMB491A | Amber |
| 1. 20PMB491R | Red |

8.6.3: GROTE REFLECTORS		
 2" Round adhesive backed reflector  1. 20GR40052Red 2. 20GR40053Yellow	Mini rectangular adhesive backed reflector  1. 20GR40132Red 2. 20GR40133Yellow	 Round center mount reflector  1. 20GR40152Red 2. 20GR40153Yellow
Round reflector in a steel recessed frame  1. 20GR40192Red 2. 20GR40193Yellow		



PROFIT BUILDERS PROGRAM

VSM LED 100DC Lamps with Clear Lenses, Colored Diodes

VSM LED 100D Lamps with Red or Amber Lenses

ILLUMINATED HANG-UP DISPLAYS

You'll find these VSM LED Displays striking, easy to sell from and sure-fire profit builders. The displays feature VSM's 11 newest LED lamps with clear lenses and red or amber diodes...or VSM's popular LED lamps with a red or amber lens. Both displays have lamps already mounted, wired and ready to be plugged-in. Transformer included.

- 4464 series 4", 10 Diode stop, tail, turn signal
- 1055 series 2.5" beehive clearance/marker
- 1015 series 2.5" round clearance/marker
- 1035 series 2" round clearance/marker
- 1045 series 2" beehive clearance/marker
- 1505 series rectangular clearance/marker
- 1905 series rectangular clearance/marker,
- 1255 series double bulls eye clearance/marker
- 1275 series cats-eye optic
- 2105 series rectangular marker/clearance
- 6464 series oval stop, tail, turn signal

Either VSM LED Display:

An outstanding tool for impulse sales.

Authorized Distributor



100D

VEHICLE SAFETY MANUFACTURING, LLC

Effective May, 2003. Supersedes all previous Profit Builder Programs • www.vehiclesafetymfg.com



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In The USA



44 SERIES
4 inch Round Sealed LED Lamps

- Features:**
- Polycarbonate Lens and Housing
 - 10 Super Flux LED Diodes
 - Designed at 14 Volts, .210/.090 Amps
 - Sonically Sealed Lens and Housing
 - Industry Standard Connections and Pin Out
 - Circuitry Protected Against Voltage Surge and Spikes



LEDSTOP/TAIL/SIGNAL LAMPS

- vsm 4464*** 4" round Red LED Stop/Tail/Turn Signal Lamp
- vsm 4454*** *With Grommet & Molded Pigtail*
- 44 Series 4" round Red LED Stop/Tail/Turn Signal Lamp with 9127 PVC Grommet & 9124 molded pigtail
- vsm 4467*** *With ABS Grey Flange*
- 44 Series 4" round Red LED Stop/Tail/Turn Signal lamp with ABS grey flange
- vsm 4457*** *With ABS Grey Flange & Molded Pigtail*
- 44 Series 4" round Red LED Stop/Tail/Turn Signal Lamp with ABS grey flange and 9124 molded rubber pigtail

Pigtails & Mounting Grommet for 44 Series

- vsm 9124** *Molded Rubber Pigtail*
- Plug for double contact lamps with ground wire. Connector for 40 and 60 series sealed incandescent and LED lamps
- vsm 9128** *Molded Right Angle Pigtail*
- 3-wire, 90 degree plug in pigtail for 40 and 60 series sealed incandescent and LED lamps with auxiliary tail function
- vsm 9127** *Mounting Grommet for 4" Sealed Lamps*
- Shock proof. Black rubberized vinyl.
 - Replacement mounting grommet for 40 series LED and incandescent lamps.

LENS COLORS: Red is standard.
Add suffix (A) Amber; (B) Blue*; (W) Clear; (G) Green*; (P) Purple*.
Note: Blue, Green, Purple lenses sold as accessory items only.



LED CLEARANCE/MARKER LAMPS

1015 SERIES

2.5 inch Round Sealed LED Clearance/Markers

- Designed at 14 Volt, .060 Amps
- Operates in Both Polarities
- Polycarbonate Housing and Lens
- Sealed Water Tight Construction
- Protective Encapsulation of Electronics

vsm 1015* 2.5" Red Round Clearance Side Marker

vsm1015A* 2.5" Amber Round Clearance Side Marker

Lamp Kits with Grommet/Pigtail Kit

vsm 1015K* 2.5" Red Lamp with Grommet and Pigtail

vsm 1015AK* 2.5" Amber Lamp with Grommet and Pigtail

Grommet/Pigtail Kit for 2.5" Diameter Lamps

vsm 9219 Consists of 9119 Rubber Grommet and 9122 Pigtail

vsm 9119 Rubber Grommet only for 2.5" diameter Lamps

1015 Series LED Identification Cluster Bars

Three Sealed 2.5" round LED lamps mounted on a black powder coated steel cluster bar. Complete with 9309 "3-in-line" pigtail assembly. Standard mounting holes. 16" L x 2" W.

vsm10153* Cluster Bar with three 1015 Red Lamps

vsm1015A3* Cluster Bar with three 1015A Amber Lamps

vsm 9309 "3-strand Plug Harness" for 1015 Series Cluster Bars

1035 SERIES

2 inch Round Sealed LED Clearance/Markers

- Designed at 14 Volt, .060 Amps
- Operates in Both Polarities
- Polycarbonate Housing and Lens
- Sealed Water Tight Construction
- Protective Encapsulation of Electronics

vsm1035* 2" Red Round Clearance/Side Marker

vsm1035A* 2" Amber Round Clearance/Side Marker

Lamp Kits with 9239 Rubber Grommet and Pigtail Kit

Kit consists of 1035 Series Lamp, 9139 Rubber Grommet and 9122 Pigtail

vsm1035K* 2" Red Lamp with Grommet and Pigtail

vsm1035AK* 2" Amber Lamp with Grommet and Pigtail

1035 Series LED Identification Cluster Bars

Three Sealed 2" round LED lamps mounted on a black powder coated steel cluster bar. Complete with 9309 "3-in-line" pigtail assembly. Standard mounting holes. 16" L x 2" W

vsm10353* Cluster Bar with Three 1035 Red Lamps

vsm1035A3* Cluster Bar with Three 1035A Amber Lamps

vsm 9313 Black Powder Coated Steel Bar Only

Grommet/Pigtail Kit for 2" Diameter Lamps

vsm9239 Kit consists of 9139 Rubber Grommet and 9122 Pigtail for 2" diameter Round Lamps

vsm 9139 Rubber Grommet

vsm 9122 Pigtail only

vsm 9309 "3-strand Plug Harness" for 1035 Series Cluster Bars

LENS COLORS: Red is standard. Add suffix (A) Amber; (B) Blue; (W) Clear; (G) Green; (P) Purple. NOTE: Blue, Green, Purple lenses sold as accessory items only



1045A

1045



1045AK



10453



1055

1055A



1045K



9309

9219

LED CLEARANCE/MARKER LAMPS

- Designed at 14 Volt, .060 Amps
- Operates in Both Polarities
- Polycarbonate Housing and Lens
- Sealed Water Tight Construction
- Protective Encapsulation of Electronics

1045 SERIES

2 inch Sealed LED Beehive Clearance/Markers

vsm1045* 2" Red Beehive Clearance/Side Marker

vsm1045A* 2" Amber Beehive Clearance/Side Marker

1045 LED Lamps with 9239 Grommet/Pigtail Kit

Sealed Beehive LED Clearance/Side Marker lamp with protective 9139 rubber grommet and 9122 pigtail

vsm1045K* 2" Red Beehive Lamp with Grommet/Pigtail Kit

vsm1045AK* 2" Amber Beehive Lamp with Grommet/Pigtail Kit

1045 Series Beehive LED Identification Cluster Bars

Three Sealed Beehive LED Lamps mounted on 6" centers on a black powder coated steel bar. Bracket has industry standard mounting holes. Includes 9309 3-strand harness. 16" L x 2" W

vsm10453* Three 1045 Red Lamps mounted on black steel bar

vsm1045A3* Three 1045A Amber Lamps mounted on black steel bar

vsm 9313 Black Powder Coated Steel Bar Only

1055 SERIES

2.5 inch Sealed LED Beehive Clearance/Markers

vsm1055* 2.5" Red Beehive Clearance/Side Marker

vsm1055A* 2.5" Amber Beehive Clearance/Side Marker

1055 LED Lamps with 9219 Grommet/Pigtail Kit

Sealed Beehive LED Clearance/Side Marker lamp with protective 9119 rubber grommet and 9122 pigtail

vsm1055K* 2.5" Red Beehive Lamp with Grommet/Pigtail Kit

vsm1055AK* 2.5" Amber Beehive Lamp with Grommet/Pigtail Kit

1055 Series Beehive LED Identification Cluster Bars

Three Sealed Beehive LED Lamps mounted on 6" centers on a black powder coated steel bar. Bracket has industry standard mounting holes. Includes 9309 "3-strand harness". 16" L x 2" W

vsm10553* Three 1055 Red Lamps mounted on black steel bar

vsm1055A3* Three 1055A Amber Lamps mounted on black steel bar

vsm 9313 Black Powder Coated Steel Bar Only

Grommet & Pigtail Kits

vsm 9239 For 2" Diameter Round Lamps

Kit consists of 9139 Rubber Grommet and 9122 Pigtail

vsm 9219 For 2.5" Diameter Round Lamps

Kit consists of 9119 Rubber Grommet and 9122 Pigtail

vsm 9119 Rubber Grommet for 2.5" diameter lamps only

vsm 9139 Rubber Grommet for 2" diameter lamps only

vsm 9122 Pigtail only

vsm 9309 "3-strand Plug Harness" for 1045 Series and 1055 Series Identification Cluster Bars



1505A

1505



15053A



9309



1905

1905A



1989K



19053



9389



9339



9256

LED CLEARANCE/MARKER LAMPS

- Designed at 14 Volt, .060 Amps
- Operates in Both Polarities
- Polycarbonate Housing and Lens
- Sealed Water Tight Construction
- Protective Encapsulation of Electronics

1505 SERIES

2.5 inch Sealed Rectangular LED Clearance/Markers

2.5" L x 1.2" W x .830" D

VSM 1505* Red Rectangular Lamp

VSM 1505A* Amber Rectangular Lamp

VSM 9122 Pigtail for 1505 Series Lamps

1505 Series LED Identification Cluster Bars

Three sealed rectangular LED lamps mounted on a cluster bar. Includes 9309 "3-strand Plug Harness". Bracket has standard mounting holes. **Black Bar:** 17.5" L x 1.5" W x 1.25" D

VSM 15053* Three 1505 Red Lamps / Black Permamold Bar

VSM 1505A3* Three 1505A Amber Lamps / Black Permamold Bar

VSM 9309 "3-strand Plug Harness for 1505 Cluster

1905 SERIES

3.78 inch Sealed Rectangular LED Clearance/Markers

3.78" L x 1.2" W x .830" D

VSM 1905* Red Rectangular Lamp

VSM 1905A* Amber Rectangular Lamp

1905 LED Lamp Kits with Bracket and Hot Wire

Lamps include 9389 ABS Surface Mount Bracket with Hot Wire

VSM 1989K* Red Rectangular Lamp with Bracket/Hot Wire Kit

VSM 1989AK* Amber Rectangular Lamp with Bracket/Hot Wire Kit

1905 Series Rectangular LED Identification Cluster Bars

Three Sealed Rectangular LED Lamps mounted on a hi-impact cluster bar. Includes 9339 "3-strand Plug Harness". Bracket has standard mounting holes. 17.5" L x 1.5" W x 1.25" D

VSM 19053* Three 1905 Red Lamps / Black Permamold Bar

VSM 1905A3* Three 1905A Amber Lamps / Black Permamold Bar

VSM 9319 Black Permamold Bar Only

1905 Series Base Mount Kit & Assembly

VSM 9389 Grey ABS Surface Mounting Bracket with Hot Wire

VSM 9256 Hot Wire for 1905 Series lamps

VSM 9339 "3-strand Plug Harness" for 1905 Series Cluster Bars



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LED CLEARANCE/MARKER LAMPS

2105 SERIES

- Designed at 14 Volt, .060 Amps
- Operates in Both Polarities
- Polycarbonate Housing and Lens
- Sealed Water Tight Construction
- Protective Encapsulation of Electronics

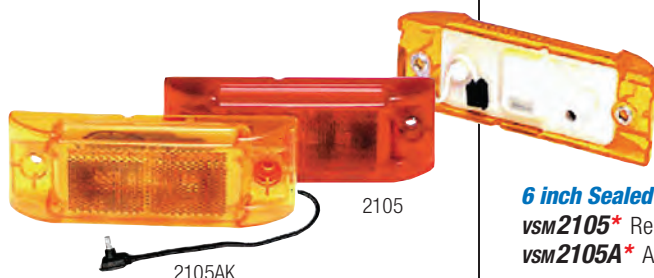
6 inch Sealed Rectangular LED Clearance/Markers

VSM2105* Red Rectangular Clearance/Marker
VSM2105A* Amber Rectangular Clearance/Marker

2105 Series Clearance/Marker Lamp Kits

Kit includes 9221 Hot Wire.

VSM2105K* 6" Red Lamp with Hot Wire
VSM2105AK* 6" Amber Lamp with Hot Wire
VSM 9221 Hot Wire for 2105 Series Lamps



1255 SERIES

Double Bulls Eye LED Clearance/Markers

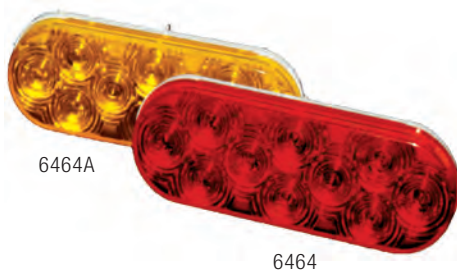
VSM1255* Red Double Bulls Eye LED Lamp
VSM1255A* Amber Double Bulls Eye LED Lamp



1275 SERIES

Cats-Eye Optic LED Clearance/Markers

VSM 1275* Red Cats-Eye Optic LED Lamp
VSM 1275A* Amber Cats-Eye Optic LED Lamp



64 SERIES

Sealed Oval LED Stop/Tail/Turn Lamps

- Sonically Sealed polycarbonate Housing and Lens
- 10 Super Flux LED Diodes
- Designed at 14 volts, .210/090 amps
- Industry standard connection and pin-out
- Circuitry protected against voltage surge and spikes
- Vertical and horizontal mount

VSM 6464* Red Oval LED Stop/Tail/Turn Lamp
VSM 6464A* Amber Oval LED Auxiliary Lamp

64 Series Sealed Oval LED Lamp Kits

Kit includes 64 Series Oval LED Sealed Lamp, 9526 Rubber Grommet and 9124 Pigtail

VSM 6454* 6464 Red Lamp, Grommet and Pigtail
VSM 6454A* 6464A Amber Lamp, Grommet and Pigtail
VSM9526 Oval Grommet
VSM9124 Pigtail

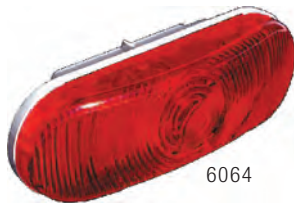




4064



4054



6064



6054



6154A



9124

SEALED STOP/TAIL/TURN

40 SERIES 4 Inch Round Sealed Lamps

vsm 4064 Red Round Sealed Lamp

- Polycarbonate housing - double contact
- Shock Safe bulb mount
- Replaces Truck Lite #40202

40 Series Round Sealed Lamp Kits

Kit includes 40 Series Sealed Lamp, Grommet and Pigtail

vsm 4054

- The 4064 Red Lamp with Grommet and Pigtail
- Replaces Truck Lite #40002

60 SERIES Oval Sealed Lamps

vsm 6064 Red Oval Sealed Lamp

- Polycarbonate housing and lens sealed
- Double contact - Shock Safe bulb mount
- Replaces Truck Lite #60202

60 Series Oval Sealed Lamp Kit

Kit includes 60 Series Sealed Oval Lamp, 9526 Rubber Grommet and 9124 Pigtail

vsm 6054

- The 6064 Red Lamp with Rubber Grommet and Pigtail
- Replaces Truck Lite #60002

MID-TURN SIGNAL LAMPS

vsm 6164A Oval Mid-Turn Signal Sealed Lamp

- Polycarbonate housing and Lens Sealed
- Mid-Turn indicator - Shock Safe Bulb Mount
- Replaces Truck Lite #60215Y

Mid-Turn Signal Lamp Kits

Kit includes Mid-Turn Signal Lamp, 9526 Rubber Grommet and 9124 Pigtail.

vsm 6154A

- The 6164A Amber Lamp with Grommet and Pigtail
- Replaces Truck Lite #60015Y

Rubber Grommet for Oval Lamps

vsm 9526 Rubber Grommet for 60 Series Oval Lamps





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SEALED LAMPS

1010 SERIES

vsm1010 2.5 Inch Round Clearance/Marker Lamp

- Polycarbonate Housing and Lens • Sonically Sealed
- Replaces Truck Lite #10202

vsm1011 Round Clearance/Marker Lamp

- Polycarbonate Housing with reflex lens - Sonically Sealed
- Replaces Truck Lite #10205

vsm1013 Three Lamp Identification Bar

- Three 1010 sealed 2.5" lamps mounted on 6" centers
- Black powder coated steel bar • Standard mounting holes
- 17.5" L x 1.5" W x 1.25" D
- Includes 9309 "3-strand plug harness"

1030 SERIES

vsm1030 2 Inch Round Sealed Clearance/Marker Lamp

- Sonically sealed 2" diameter clearance/marker lamp
- Polycarbonate housing and lens
- Replaces Truck Lite #30200

vsm1030F With Flush Flange

- 1030 Series red lamp with grey polycarbonate flush mount flange

vsm1030SF With Surface Mount Flange

- 1030 Series red lamp with grey polycarbonate surface mount flange

vsm1033 Three Lamp Identification Bar

- Three 1030 sealed 2" lamps mounted on 6" centers
- Black Permamold bar 16" L x 2" W
- Standard mounting holes
- Includes 9309 "3-strand plug harness"

1500 SERIES

vsm1500 Rectangular Sealed One Bulb Lamp

- High-impact polycarbonate resists breakage and corrosion
- Plug-in contacts specially treated to ensure positive electrical connection
- Sonic welded one-piece design protects against moisture and corrosion
- 15,000 hour rated bulb life
- Size: 2.5" L x 1.25" W x 0.875" D
- Replaces Truck Lite #15200

vsm1503 Three Lamp Identification Bar

- Three 1500 sealed rectangular lamps mounted on a black Permamold bar. **Size:** 17.5" L x 1.5" W x 1.25" D
- Standard mounting holes
- Includes 9309 "3-strand plug harness"

vsm 9309 "3-Strand Plug Harness"

- For 1013 and 1503 Identification Cluster Bars

LENS COLORS:

Red is standard. Add suffix (A) Amber; (B) Blue; (W) Clear; (G) Green; (P) Purple.

NOTE: Blue, Green, Purple lenses sold as accessory items only



1010A



1013



1030AF

1030A

1030



1030ASF



1033



1500

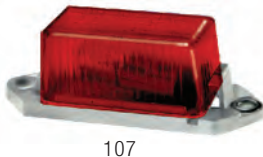
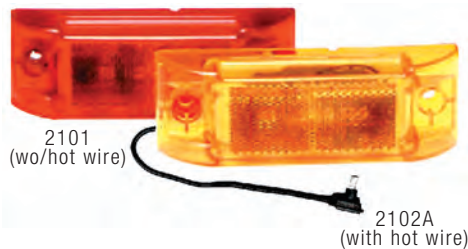
1500A



1503A



9309



SEALED LAMPS

vsm1900 Rectangular Sealed Two Bulb Lamp

- Fruehauf replacement
- Polycarbonate lens and housing
- PC rating allows lamp to function as both a marker and clearance lamp when properly mounted
- 15,000 hour rated bulb life
- Replaces Truck Lite #19200
- **Size:** 3.5"L x 1.2"W x .875"D

vsm1903 Three Lamp Identification Bar

- Three 1900 sealed rectangular lamps mounted on a black Permamold bar 17.5"L x 1.5"W x 1.25"D
- Standard mounting holes
- Includes 9339 "3-strand plug harness"

vsm 2101 21 Series Sealed Clearance/Marker Lamp

- Sealed Red lamp with polycarbonate reflex lens
- Shock mounted, internal electrical connections sealed in epoxy for maximum weather-resistance
- 15,000-hour bulb life rating for 12-volt systems

vsm 2101A As above but with amber lens

vsm 2102 The 2101 red lamp with a hot wire

vsm 2102A The 2101A amber lamp with a hot wire

LAMPS WITH REPLACEABLE BULBS

vsm 107 MINI-LITE Clearance/Marker Lamp

- Acrylic lens locks into base
 - All metal parts are corrosion resistant
 - Permamold base
 - 15,000 hour rated bulb
 - Replaces Peterson #107
 - **Size:** 3.25"L x 1"W x 1.125"H
- Mounting:** Two holes on 2.75" centers, #10 screws
Replacement Parts: Lens: **vsm 9091**; Bulb 193

vsm1211 Clearance/Marker Lamp

- High Impact Permamold Housing
- Two Heavy Duty 1895 bulbs
- Snap-on Lens

vsm1259 Clearance/Marker Lamp

- High Impact Permamold Housing
- Two Heavy Duty 1895 bulbs
- Snap-on Lens

LENS COLORS:

Red is standard. Add suffix (A) Amber; (B) Blue; (W) Clear; (G) Green; (P) Purple.

NOTE: Blue, Green, Purple lenses sold as accessory items only



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LED & INCANDESCENT OVAL AUXILIARY LAMPS

64 SERIES LED Lamps in Stainless Steel Mounts

60 SERIES Incandescent Lamps in Stainless Steel Mounts

- 12.8 Volt
- 2.1/4.8 amp dual filament bulb rated @ 32/2 candlepower
- Shock Safe Bulb Mount
- Polycarbonate Housing with Sealed Tight Construction
- Hi-Polished HD Corrosion-Resistant Stainless Steel Mount
- Custom Daisy-Chain Harness System



6091A

Single Amber Lamp 8.25 inch Stainless Steel Mount

Includes 9526 Grommet and 9128 Right Angle Plug Harness

VSM 6491A* Amber LED in Single Bracket

VSM 6091A Amber Incandescent in Single Bracket

VSM 9561 Stainless Steel Oval Single-Hole Bracket Only

VSM 9525 Black Powder Coated Steel Oval Single-Hole Bracket



6492

Two Red Lamps 16.5 inch Stainless Steel Mount

Includes 9526 Grommets and 91282 Molded Right Angle 2-Plug String Harness

VSM 6492* Red LED in 2-Hole Bracket

VSM 6092 Red Incandescent in 2-Hole Bracket

VSM 9562 Stainless Steel Oval 2-Hole Bracket Only

VSM 91282 Molded Right Angle 2-Plug String Harness

VSM 9526 Oval Grommet



6093A

Three Amber Lamps 25 inch Stainless Steel Mount

Includes 9526 Grommets and 91283 Molded Right Angle 3-Plug String Harness

VSM 6493A* Amber LED in 3-Hole Bracket

VSM 6093A Amber Incandescent in 3-Hole Bracket

VSM 9563 Stainless Steel Oval 3-Hole Bracket Only

VSM 91283 Molded Right Angle 3-Plug String Harness

VSM 9526 Oval Grommet



6494

Four Red Lamps 33 inch Stainless Steel Mount

Includes 9526 Grommets and 91284 Molded Right Angle 4-Plug String Harness

VSM 6494* Red LED in 4-Hole Bracket

VSM 6094 Red Incandescent in 4-Hole Bracket

VSM 9564 Stainless Steel Oval 4-Hole Bracket Only

VSM 91284 Molded Right Angle 4-Plug String Harness

VSM 9526 Oval Grommet

LENS COLORS: Red is standard.

Add suffix (A) Amber; (B) Blue; (W) Clear; (G) Green;



303A



310A



726500



620W



STROBE WARNING LIGHTS

VSM 303A/da745266 Junior Strobe Light, Amber Lens

- Low profile compact design, corrosion-resistant, vibration dampening rubber base. Epoxy coated electronics seals against moisture and vibration. Specifically designed for industrial applications. Meets SAE J1318 Class 3 requirements. Intensity 5.0 joules per second. Average draw .75 amps ~ 12.8 VDC. Flashes 70+ -10 flashes per minute. Voltage 12-48 VDC.

Dimensions: 5-11/16" (150mm) high, 5-7/8 (145mm) diameter.
da731937 Amber replacement lens

VSM 304A/da745270 Junior Strobe Light, Amber Lens

- Magnetic mount complete with 9' (2.74m) coiled cord and cigarette plug adapter for temporary roof mounting. Voltage 12-48 VDC. Dimensions 6-1/2" (155mm) high, 5-7/8" (149mm) diameter. da731937 Amber replacement lens.

Heavy Duty Strobes

VSM 310 (10W 15J 12-24V)

- Heavy Duty Strobe. New "Ultra-Tuff" universal base allows for any type of installation, standard 1" pipe mount, magnet mount or internal mount.
- New potted interlocking replaceable 25W-helix flash tube.
- New pulse profiling flashing sequence provides 20% brighter flashes.

- RFI Filtered, reverse polarity protected, 12-24 volt operation, meets SAE J1318.

Flash patterns: one-four flashes: 4 flash 15J @ 85/min.

Power: 10 watts @ 13.8 volts. **Average current draw:** 1/2 amps.

Size: With High Dome: 6-1/4" x 6-1/4" x 5". With Low Dome: 4-1/4" x 6-1/4" x 5". **Mounting:** 3 places. 6" diameter. 120°

FOG/UTILITY LIGHTS

VSM 726500/da726500 4-1/2" Chrome Plated Fog/Utility Light

- Zinc die-cast housing, chrome-plated finish.
- 12 vdc ratchet bracket and 5/16" 18 x 1-3/4" bolt mounting.
- 4-1/2" (114mm) dia. Clear utility/fog light par 36 sealed beam #4415

VSM 620W Rubber Housing Flush Sealed Par 36 Lamp

- With #4411 sealed beam. Tractor, utility, alley or hook-up lamp for fifth wheels all-purpose lamp in weather sealed rubber housing for long life.

- Protects against shock and vibration. No rust or corrosion.

- **Mounting:** Stud with adjustable bracket

MIRROR HEAD

PLASTIC MIRROR HEAD

VSM 7055/da754461 Black Mirror Head

- Lightweight, corrosion-proof
- High impact-resistant plastic.
- 6" W x 16" H (152 x 406 mm)
- 5/16"-18 mounting studs.



*All Products
Proudly Manufactured
In The USA*



9122



9122Y110



9170



9170Y116



9119
9139

9127



9526



322



129



254

PIGTAILS & ASSEMBLIES

VSM 9122 Molded 2-Prong Plug Connector

- Plug Connector for 10 and 30 Series lamps
- Replaces Truck Lite #94902

VSM 9122Y110 Multiple 2-Prong Plug Connector Harness

- Coiled harness with 100 #9122 two-prong plugs mounted on 10" centers. Also available in coils with 100 plugs on 6" centers and coils with 100 plugs on 12" centers.

VSM 9170 Female Bullet Plug

- Single .180 female bullet plug with 10 inch wire length.

VSM 9170Y116 Multiple Female Bullet Plug Harness

- Coiled harness with 100 #9170 female bullet plugs mounted on 16" centers

RUBBER GROMMETS

VSM 9119 2.5" Sealed Lamp Rubber Mounting Grommet

- Mounting cup (open back for 2.75" diameter mounting hole.)
- Size: 3.1875" dia. x 1.1875" depth
- Replaces Truck Lite #10700

VSM 9139 2" Sealed Lamp Rubber Mounting Grommet

- Mounting cup (open back for 2.3125" diameter mounting hole)
- Size: 2.1875" dia. x .8325 depth
- Replaces Truck Lite # 30700

VSM 9127 Mounting Grommet for 4" Sealed Lamps

- Shock Proof • Black rubberized vinyl
- Replacement mounting grommet for all 40 series incandescent and LED lamps
- Replaces Truck Lite #40700

VSM 9526 Mounting Grommet for Oval Lamps

- For mounting 60 Series oval incandescent and LED sealed lamps and 9525 mounting bracket.

BACK-UP ALARM

VSM 322 97db, Digital Circuitry, 12-24 Volt Operation

- Encapsulated circuit protects against moisture, vibration, shock
- 1/2 amp (or less) current draw
- Meets all standards SAEJ994
- Tough nylon housing
- **Mounting:** Base: 3.25" center; Rear: 3 – 3.5" center

FLASHERS/RELAYS

VSM 254 Heavy Duty Flasher

- 12 Volt, 2 pin, 20 lamp, 45 amp

VSM 129 Latching Relay 12 Volt

- 30 amp OEM relay designed for turn signal and headlight dimming switches. Also applies to horn, fog light, radio kill switch, and clearance/marker light flasher



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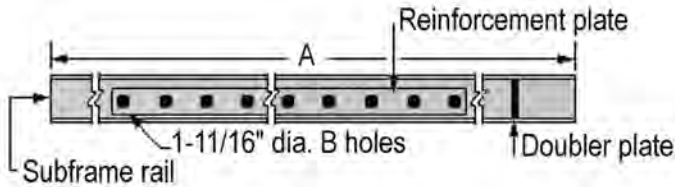
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9.1 Fruehauf Suspensions & Components

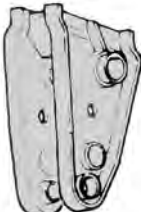
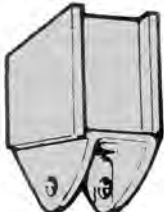
9.1.1: FRUEHAUF UPPER SLIDE RAILS



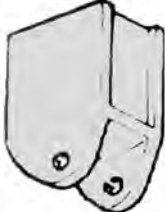
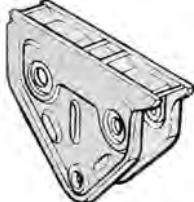
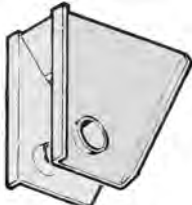
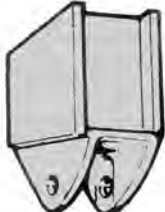
Part Number	Description	A	Crossmember	Type
FRUFAS1016-1	Subframe Rail Kit*	186"	4"	Universal
FRUFAS1016-2	Subframe Rail Kit*	214"	4"	Universal
FRUFAS1016-3	Subframe Rail Kit*	247"	4"	Universal
FRUFAS1016-4	Subframe Rail Kit*	186"	3"	R/S
FRUFAS1016-5	Subframe Rail Kit*	186"	3"	C/S
FRUFAS1016-6	Subframe Rail Kit*	214"	3"	R/S
FRUFAS1016-7	Subframe Rail Kit*	214"	3"	C/S
FRUFAS1016-8	Subframe Rail Kit*	247"	3"	R/S
FRUFAS1016-9	Subframe Rail Kit*	247"	3"	C/S

* Kit consists of:
1 Rail
1 Doubler Plate
1 Reinforcement Plate

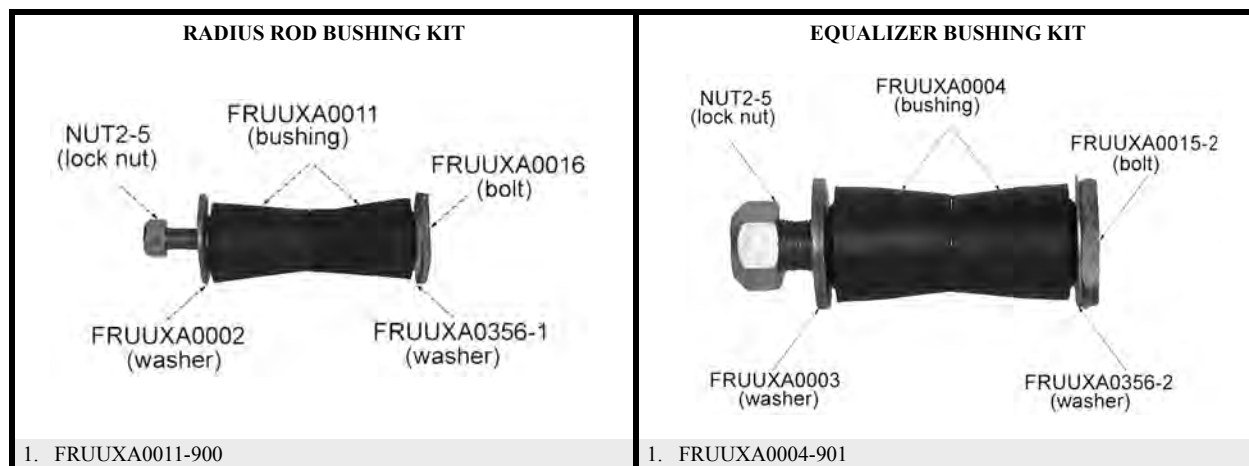
9.1.2: FRUEHAUF HANGERS

FRONT HANGER	EQUALIZER HANGER	REAR HANGER
Under Mount		
		
1. FRUUCF2467-1	1. FRUUXA0034 2. FRUUXA0034-900 Reinforced	1. FRUUCF2470-1
Straddle Mount		
		
1. FRUUCF2473-1	1. FRUUXA0021	1. FRUUCF2471-1
Wide Base		
		
1. FRUUCF1466-1	1. FRUUCE7746-1	1. FRUUCF5858-1
Cast		
		
1. FRUUXA0066* LH 2. FRUUXA0066-1* RH	1. FRUUXA0067 LH 2. FRUUXA0067-1 RH	1. FRUUXA0065 LH 2. FRUUXA0065-1 RH

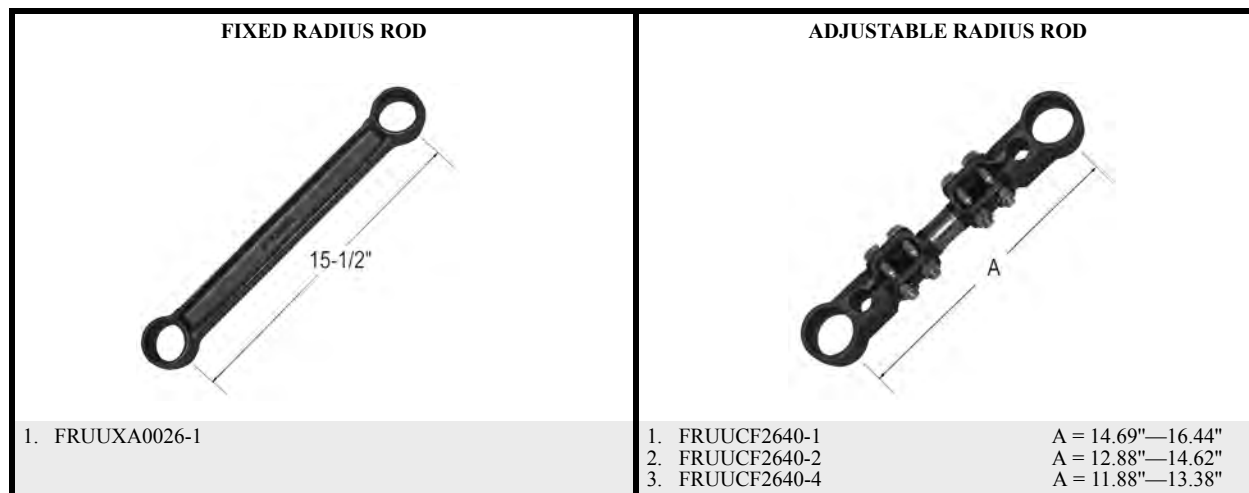
*No longer available, for service reference only

FRONT HANGER		EQUALIZER HANGER	REAR HANGER
J-2 Suspension Hanger			
			
1. FRUUCE4169-2		1. FRUUXA0017	1. FRUUCE7745-2
FI-1 & Nf-2 Suspension Hanger			
			
1. FRUUCF6668-1		1. FRUUCF6672-1	1. FRUUCF5858-2
W-1 Suspension			
			
1. FRUUCC8925-1		None Needed	1. FRUUCF2470-1
T Suspensions			
			
1. FRUUCE1177-1 2. FRUUCE1177-2	R/S C/S	None Needed	None Needed

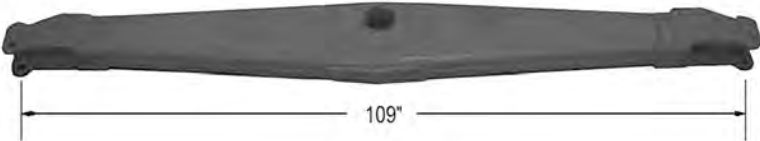
9.1.3: FRUEHAUF BUSHING KIT



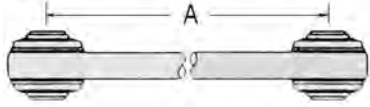
9.1.4: FRUEHAUF RADIUS RODS



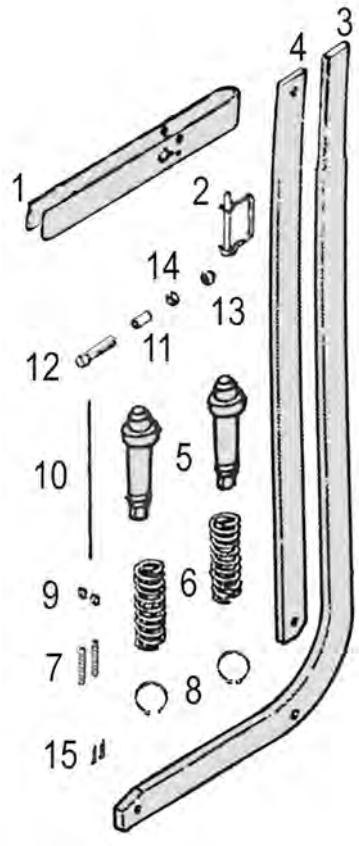
9.1.5: FRUEHAUF EQUALIZERS & EQUALIZER BUSHINGS

Cast Equalizer  1. FRUUXA0017	Ductile Equalizer  1. FRUUCF6963-1	NF Equalizer  1. FRUUCF8317-1 2. FRUUCF8317-2 Flame hardened
Equalizer End  1. FRUUCF1757-1	NF2 Equalizer  1. FRUUVA0116-1	NF Bushing  1. FRUUCF6699-1
Wide Sread Equalizer  1. FRUUXA0049		Bushing  1. FRUUCF6703-1
Bushing  1. FRUUXA0004		

9.1.6: FRUEHAUF STABILIZER ARM ASSEMBLY

Part Number	Description	Figure
FRUFCF8248-1	A = 18"	
FRUFCF8248-2	A = 21"	
FRUFCF8248-3	A = 26-1/2"	
FRUFCF8248-4	A = 32-1/2"	
FRUFCF8248-6	A = 35-1/2"	
FRUFCF8248-901	A = Universal over 30"	
FRUFCF8248-902	A = Universal under 30"	

9.1.7: FRUEHAUF SLIDER FRAME LOCKING MECHANISM & COMPONENTS

Part Number	Qty.	Description	Item	Figure
FRUFCF1019-900	1	Complete kit		
FRUUF5549-3	1	Lock lever guide	1	
FRUCC6016-PK1	1	Lock pin	2	
FRUFCF4746-1	1	Lever	3	
FRUFXA0798-2	1	Universal crossbar	4	
FRUFCF6457-1	2	Lock pin	5	
FRU586192	2	Lock pin spring	6	
FRUFCF6458-1	2	Retaining ring	7	
FRUFCD2530-1	2	Pin	8	
FRUXCA0396	2	Sleeve	9	
FRUACD6608-1	1	Cable	10	
FRUZCE7064-2	1	Sleeve	11	
BLT1-201	1	3/8" Hex bolt	12	
NUT2-20	1	3/8" Nut	13	
WSH2-135	1	3/8" Washer	14	
PIN1-1	2	Cotter pin	15	

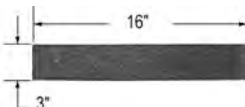
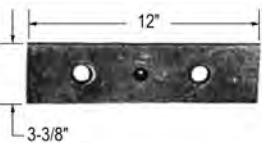
9.1.8: FRUEHAUF SUSPENSION LOCK PIN KIT

Part Number	Qty.	Description	Item	Figure
FRUFCF6457-901	1	Complete kit		
FRUFCF6457-1	1	Lock pin	1	
FRU586192	1	Spring	2	
FRUFC2530-1	1	Lock pin	3	
PIN1-1	1	Cotter pin	4	
FRUFCF6458-1	1	Spring ring	5	

9.1.9: FRUEHAUF SLIDER PAD KIT

Part Number	Qty.	Description	Item	Figure
FRUFCF6097-900	1	Complete kit		
FRUBXE1152	4	Rail guide	1	
FRUFCF6097-1	2	Slider pad	2	
FRUFCF6098-1	12	Slider pad retainers	3	
FRUFCF6892-1	2	Guide	4	

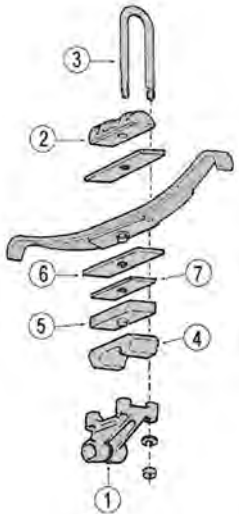
9.1.10: FRUEHAUF SLIDER PADS

Slider Plate	Slider Plate	Dri-Slide Pad	Slider Pad
			
1. FRUFCE4790-2	1. FRUFXA0803-1	1. FRUF9AA9083-1	1. FRUFCF6097-1

9.1.11: FRUEHAUF SHOCKS & SHOCK ACCESSORIES

Part Number	Description	Figure
FRUUCE1295-1	T-Suspension	
FRUUCF8339-1	NT-Suspension	
FRUUCF8339-2B	Replacement bushing	
FRUUCF8339-2S	NT-Replacement sleeve	

9.1.12: FRUEHAUF SINGLE AXLE RISER KIT (F-TYPE SUSPENSIONS)

Part Number	Qty	Description	Item	Figure
FRUAXA0495-1	2	Axle bracket for 49" spread	1	
FRUUCC4921-1	2	Axle bracket for 13-1/2" & 15" drop frames & 6" wedge vans		
FRUUCC4920-1	2	Axle bracket for all single & 3 leaf springs for 42" & 44-1/2" axle spreads		
FRUUCC5998-1	2	U-bolt & spring saddle	2	
FRUUXA0046-XXX	2	U-bolt kit—see section 11.10	3	
FRUAXA0512-1	2	Spring chair	4	
FRUUCD4502-1	1	Spacer—3/4"	5	
FRUUXA0048	1	Spacer—1-1/2"		
FRUUCC4365-1	2	Single spring only 1/8" steel plate	6	
STADL295	4	Spring liner	7	

9.1.13: FRUEHAUF RISER KIT FOR ROUND AXLES

Spring Part Number	Leafs	U/C Height	U-Bolt	Riser Kit Part Number
FRUUCA0102	7	16-9/16"	FRUUXA0046-901	FRUUCB2246-900
FRUUCA0104	7	14-1/16"	FRUUXA0046-901	FRUUCB2246-900
FRUUCA0103	8	17-1/16"	FRUUXA0046-901	FRUUCB2246-902
FRUUCA0105	8	14-9/16"	FRUUXA0046-901	FRUUCB2246-902

9.1.14: FRUEHAUF RISER KITS FOR F-TYPE SUSPENSIONS & SINGLE SQUARE AXLES

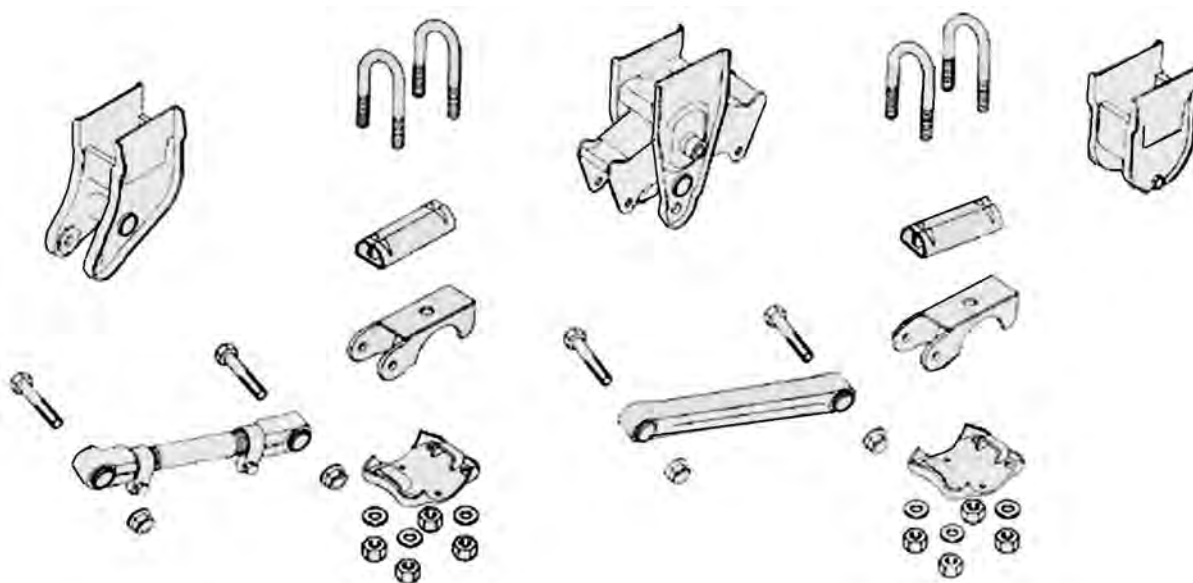
Spring Part Number	Leafs	U/C Height	U-Bolt Kit	Riser Kit Part Number
FRUUXA0178	1	14-3/8"	FRUUXA0046-917	FRUUCB4319-921
FRUUCD8315-1	1	14-3/8"	FRUUXA0046-917	FRUUCB4319-921
FRUUXA0186	1	15-9/16"	FRUUXA0046-917	FRUUCB4319-905
FRUUCF8431-1	1	13"	FRUUXA0046-901	FRUUCB4319-901
FRUUCF6820-1	1	14-3/4"	FRUUXA0046-901	FRUUCB4319-901
FRUUCF6820-1	1	17-1/8"	FRUUXA0046-918	FRUUCB4319-905
FRUUCD0511-1	3	15-1/2"	FRUUXA0046-917	FRUUCB4319-915
FRUUCD0511-1	3	14-3/4"	FRUUXA0046-901	FRUUCB4319-900
FRUUXB0201	4	16-5/16"	FRUUXA0046-917	FRUUCB4319-915
FRUUXB0201	4	16-3/16"	FRUUXA0046-917	FRUUCB4319-901
FRUUCA0102	7	16-9/16"	FRUUXA0046-917	FRUUCB4319-901
FRUUCA0104	7	14-1/16"	FRUUXA0046-917	FRUUCB4319-901
FRUUXA0252	9	16-9/16"	FRUUXA0046-918	FRUUCB4319-913

9.2 Hutch 9700 Suspension Kits



9.2.1: HUTCH 9700 SUSPENSION KITS

9.2.1.1: EXPLODED VIEW OF HUTCH 9700 SUSPENSION KIT



9.2.1.2: DETAIL OF HUTCH 9700 SUSPENSION KIT

Part Number	Type Hanger	Type Axle	Spring Seat Height	Comments
HUTH9700SU	Under mount	5" Round	3/4"	Fabricated single
HUTH9700T	Straddle mount	5" Round	3/4"	Fabricated tandem
HUTCH9700T-3.25	Straddle mount	5" Round	3-1/4"	Cast tandem
HUTH9700TU-.75	Under mount	5" Round	3/4"	Fabricated tandem
HUTH9700TU-1.25	Under mount	5" Round	1 1/4"	Fabricated tandem
HUTH9700TU-UM	Under mount	5" Round	3/4"	Fabricated tandem
HUTH9700TRI/U	Under mount	5" Round	3/4"	Fabricated tri-axle underslung

Note: Springs are not included in suspension kits
Other kits are available

9.3 Hutch Slider & Subframe Components

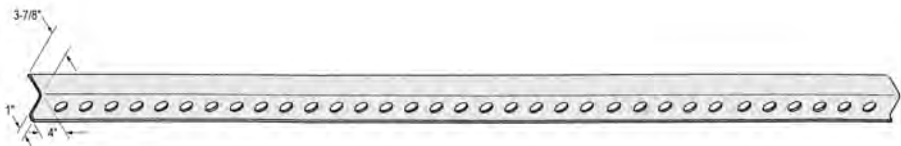


9.3.1: HUTCH 9800 SUBFRAME WITH RL196-14 HANGERS



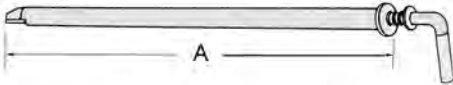
Part Number	Description
MTR09300497	8900 subframe assembly includes: 4 pin slider, slider pads & clamps

9.3.2: HUTCH SLIDER RAILS

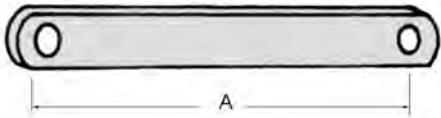


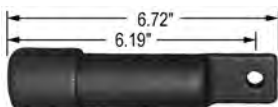
Part Number	Thickness	Length
HUT12713-05	.229"	176"
HUT12713-17	.229"	240"
HUT16816-13	.275"	192"
HUT16816-19	.275"	216"

9.3.3: HUTCH STOP BARS

Part Number	Frame Width	Application	Figure
HUT11485-14	42"	H8200 before 7/92	
HUT11485-15	48"	H8200 before 7/92	
HUT11485-19	46"	H8200 before 7/97	
HUT11641-07	44"	H8500	
HUT11642-05	42"	H8200 after 7/92	
HUT11642-07	48"	H8200 after 7/92	
HUT11642-09	42"	H98200/H9810	
HUT11642-10	48"	H9800/H9810	

9.3.4: HUTCH MISCELLANEOUS SLIDER COMPONENTS

Part Number	A	Description	Figure
HUT11412-02	11.62"	Link	
HUT11412-04	13.62"	Link	
HUT11412-07	19.62"	Link	
HUT11412-09	11.38"	Link	
HUT11412-16	17.62"	Link	
HUT11412-35	10.87"	Link	
HUT11412-36	16.81"	Link	
HUT8032-07	14-1/2"	Link Puller	
HUT8032-08	15-1/2"	Link Puller	
HUT8032-09	16-1/2"	Link Puller	
HUT8032-10	17-1/2"	Link Puller	

		
1. HUT12716-01 Lock pin	1. HUT16006-01 Lock pin	1. HUT18426-01 Lock pin

		
1. HUT9611-01 Lock pin	1. HUT10864-01 Compression spring	1. HUT8018-01 8-5/8" Handle retention spring 2. HUT8018-02 10-5/8"

		
1. HUT11411-00 Pull handle	1. HUT8035-00 1/8" Steel washer	1. HUT8019-01 Slider pad 2" x 11" 2. HUT12818-01 4" x 5.5"

9.3.5: HUTCH ROLLER SLIDER PARTS

		
1. HUT8050-00 Roll pin	1. HUT9249-00 Roller shaft	1. HUT8426-01 Roller for roll slider

9.3.6: HUTCH SLIDER HOLD DOWN CLIPS

		
1. HUT12715-01 Hold down clip	1. HUT20289-01	1. HUT9635-03 Slider hold down kit

9.3.7: HUTCH HANGERS

FRONT HANGER		CENTER HANGER		REAR HANGER	
Straddle Mount					
					
1. HUT7701-01		1. HUT7702-01		1. HUT7703-01	
Under Mount					
					
1. HUT7701-02		1. HUT7702-02		1. HUT7703-02	
Side Mount					
					
1. HUT7701-03	LH	1. HUT7702-03		1. HUT7703-03	LH
2. HUT7701-04	RH			2. HUT7703-04	RH
Flange Mount (Weld On)					
					
1. HUT7701-05	LH			1. HUT7703-05	LH
2. HUT7701-06	RH			2. HUT7703-06	RH
Flange Mount (Bolt On)					
					
1. HUT7701-07	LH	1. HUT7702-05		1. HUT7703-07	LH
2. HUT7701-08	RH			2. HUT7703-08	RH

9: Suspensions

9.4 Hutch Suspension Parts



9.4.1: HUTCH 9700 EQUALIZER HANGERS

STRADDLE MOUNT	UNDER MOUNT	SIDE MOUNT
		
1. HUT16169-01	1. HUT16171-01	1. HUT16175-01

9.4.2: HUTCH CH9700 HANGERS

FRONT HANGER	CENTER HANGER	REAR HANGER
Under Mount		
		
1. HUT16291-03 2. HUT16291-04	1. HUT16319-52	1. HUT16293-01 2. HUT16293-02
LH RH		LH RH
Side Mount		
		
1. HUT16291-03 1. HUT16291-04	1. HUT16319-52	1. HUT16293-01 1. HUT16293-02
LH RH		LH RH

FOR OVERSLUNG & UNDERSLUNG SUSPENSIONS

STRADDLE MOUNT CENTER HANGER	UNDER MOUNT CENTER HANGER
	
1. HUT16180-01	1. HUT16181-01

9.4.3: HUTCH 7600 HANGERS

FRONT HANGER	CENTER HANGER	REAR HANGER
Straddle Mount		
		
1. HUT7601-01	1. HUT7602-01	1. HUT7703-01
Under Mount		
		
1. HUT7601-02	1. HUT7602-02	1. HUT7703-02

9.4.4: HUTCH H9700 WIDE SPREAD ROCKER GUIDE

STRADDLE MOUNT	UNDER MOUNT	
		No Picture Available
1. HUT7707-03	1. HUT7707-04 for 61"-67" beams	1. HUT7707-10 for 73"-109" beams

9.4.5: HUTCH EQUALIZER & HANGERS ASSEMBLIES

H9700 STRADDLE MOUNT	H9700 UNDER MOUNT
	
1. HUT16319-01 Assembly	1. HUT16319-02 Assembly

9.4.6: HUTCH EQUALIZERS, BUSHINGS, & KITS
9.4.6.1: HUTCH EQUALIZERS

H7700 with bushings  1. HUT750-03	H9700 with bushings  1. HUT16158-01	CH7700 with bushings  1. HUT19137-01 Cast 7700
CH9700 with bushings  1. HUT17784-01 Cast 9700	CH9700 with bushings  1. HUT16159-03	CH7600 with bushings  1. HUT7750-02
Widespread Equalizers with bushings  1. HUT9239-02 24" Axle centers 2. HUT9239-04 73" Axle center 3. HUT9239-08 85" Axle centers 4. HUT9239-10 109" Axle centers		 1. HUT10385-05 54-1/2" Axle centers

9.4.6.2: HUTCH EQUALIZER BUSHINGS & KITS

H7700		H7700	
			
1. HUT7010-00 Equalizer bushing		1. HUT10287-01 Equalizer bolt kit	
H9700		H9700	
			
1. HUT18723-01 Equalizer bushing		1. HUT16353-01 Equalizer bolt kit	

9.4.7: HUTCH RADIUS ROD ARMS & KITS

9.4.7.1: HUTCH 7700/9700 ADJUSTABLE RADIUS ROD ARMS



Part Number	A	Bushing	LH	RH
HUT16398-01	14"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-02	16"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-03	16-5/8"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-04	19-1/4"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-06	21-1/2"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-08	23-1/2"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-09	25"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-12	29-1/4"	HUT722-00	HUT16748-01	HUT16748-02
HUT16398-17*	17"	HUT722-00	HUT16748-01	HUT16748-02
HUT16164-13	30-3/4"	HUT722-00	HUT16748-01	HUT16748-02

*Replacement for Trailmobile 3-A11-65A

9.4.7.2: HUTCH 7700/9700 FIXED RADIUS ROD ARMS


Part Number	A	Bushing
HUT715-00	19-1/4"	HUT722-00
HUT9015-00	17"	HUT722-00

9.4.7.3: HUTCH 7600 ADJUSTABLE RADIUS ROD ARM LESS BUSHING


Part Number	A	Bushing
HUT16167-04	19-1/4"	HUT7620-00

9.4.7.4: HUTCH 7600 FIXED RADIUS ROD ARM LESS BUSHING


Part Number	A	Bushing
HUT11953-01	19-1/4"	HUT7620-00

9.4.7.5: HUTCH 7700/9700 RADIUS ROD ARM REPLACEMENT ENDS

Part Number	Description	
HUT16748-01	LH END	
HUT16748-02	RH END	

9.4.7.6: HUTCH 7700/9700 RADIUS ROD ARM REPLACEMENT BUSHING


Part Number	Qty	Description
HUT10562/72200/71902	Kit	Kit
HUT719-02	1	Bolt 1"—14 UNSX 5"
HUT722-00	1	Bushing
HUT10562-00	1	Flange locknut 1"—14 UNS

9.4.7.7: HUTCH 7700/9700 SPRING SEATS



5" Round Axle

Part Number	A
HUT705-01	3/4"
HUT705-02	1-1/4"
HUT705-03	1-3/4"
HUT705-04	2-1/4"
HUT705-05	2-3/4"
HUT705-06	3-1/4"
HUT705-07	3-3/4"
HUT705-08	4-1/4"
HUT705-09	4-3/4"



5" Square Axle

Part Number	A
HUT19365-01	3/4"
HUT7757-02	1-1/4"
HUT7757-03	1-3/4"

4" x 6" Square Axles

Part Number	A
HUT7725-01	3/4"
HUT7725-02	1-1/4"
HUT7725-03	1-3/4"
HUT7725-04	2-1/4"
HUT7725-05	2-3/4"

9.4.7.8: HUTCH 7700/9700 NO-HOP OPTION



5" Round Spring Seat

Part Number	A
HUT301-01	3/4"
HUT301-03	1-3/4"
HUT301-06	3-1/4"
HUT301-08	4-1/4"



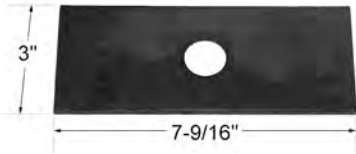
Bottom Plate

Part Number	Axle Type
HUT7738-00	4" x 6"
HUT10775-00	5" Round

9.4.7.9: HUTCH MISCELLANEOUS AXLE PARTS

7600 Axle seat 5" round axle  1. HUT7617-01 3/4"	7700/9700 Bottom plate 5" round axle  1. HUT710-00	CH7700 Bottom plate  1. HUT7747-01 5" Square
Top Plate  1. HUT16868-01	Top Plate  1. HUT9202-00	CH7700 Bottom Plate Underslung  1. HUT706-01
Bottom Plate 5" Round Axle  1. HUT16297-01	Bottom Plate 4" x 6" Axle  1. HUT7746-00	

9.4.8: HUTCH MISCELLANEOUS SUSPENSION PARTS

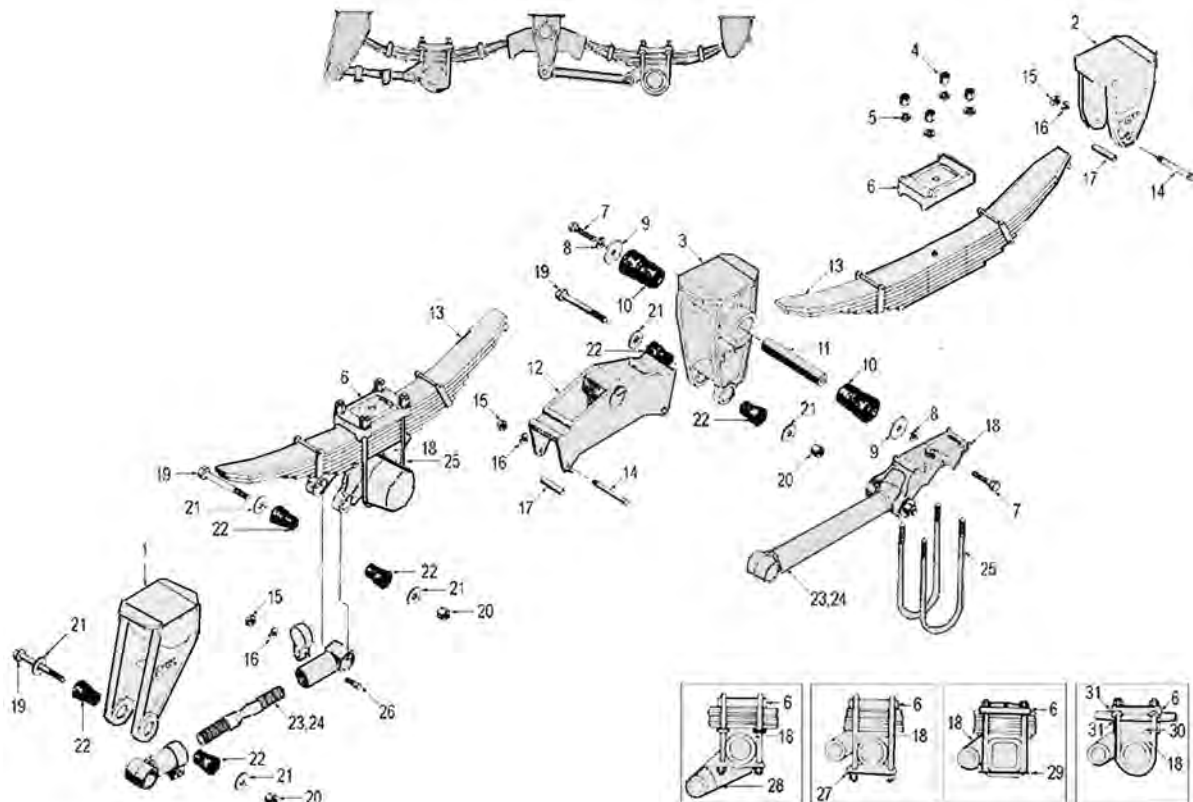
Hex Bolts 1"—14 UNS  A 1. HUT719-02 A = 5" 2. HUT719-03 A = 5-3/8" 3. HUT719-04 A = 6"	Hex Bolts 5/8"—18  A 1. HUT759-00 A = 4-1/2" 2. HUT7016-01 A = 6	Hanger bushing  1. HUT7717-01
Flange Nut  1. HUT10562-00 1-14 UNS	Hex Nuts  1. HUT37-03 5/8" - 18	Bushing  1. HUT222-00
Spacer Block  3" 7-9/16" 1. HUT7030-00 1/4" Steel	Hanger Wear Plate  1. HUT755-03	Adjusting Plate  1. HUT10608-00

9.5 Reyco Suspensions & Components

9.5.1: REYCO 21B SUSPENSION



9.5.1.1: EXPLODED VIEW OF REYCO 21B SUSPENSION



Use:

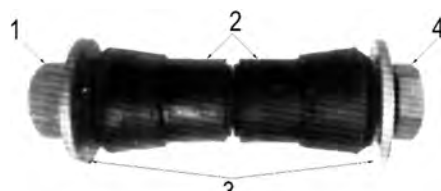
- TK16658 to rebush (1) End of Torque Arm
- TK7319 to rebush (4) Torque Arms (Tandem)
- REYTK18998 to rebush (1) Equalizer
- REYTK12506 to rebush (2) Equalizers

9.5.1.2: DETAIL OF REYCO 21B SUSPENSION

Item Number	Part Number	Description	Number Required
1	REYT5425—REYT5424	Front Hanger LH—RH	1
	REYT5563—REYT5563	Front Hanger LH—RH	1
2	REYT5429—REYT5428	Rear Hanger LH—RH	1
	REYT5565—REYT5566	Rear Hanger LH—RH	1
	08595-01	Rear Hanger LH, RH	2

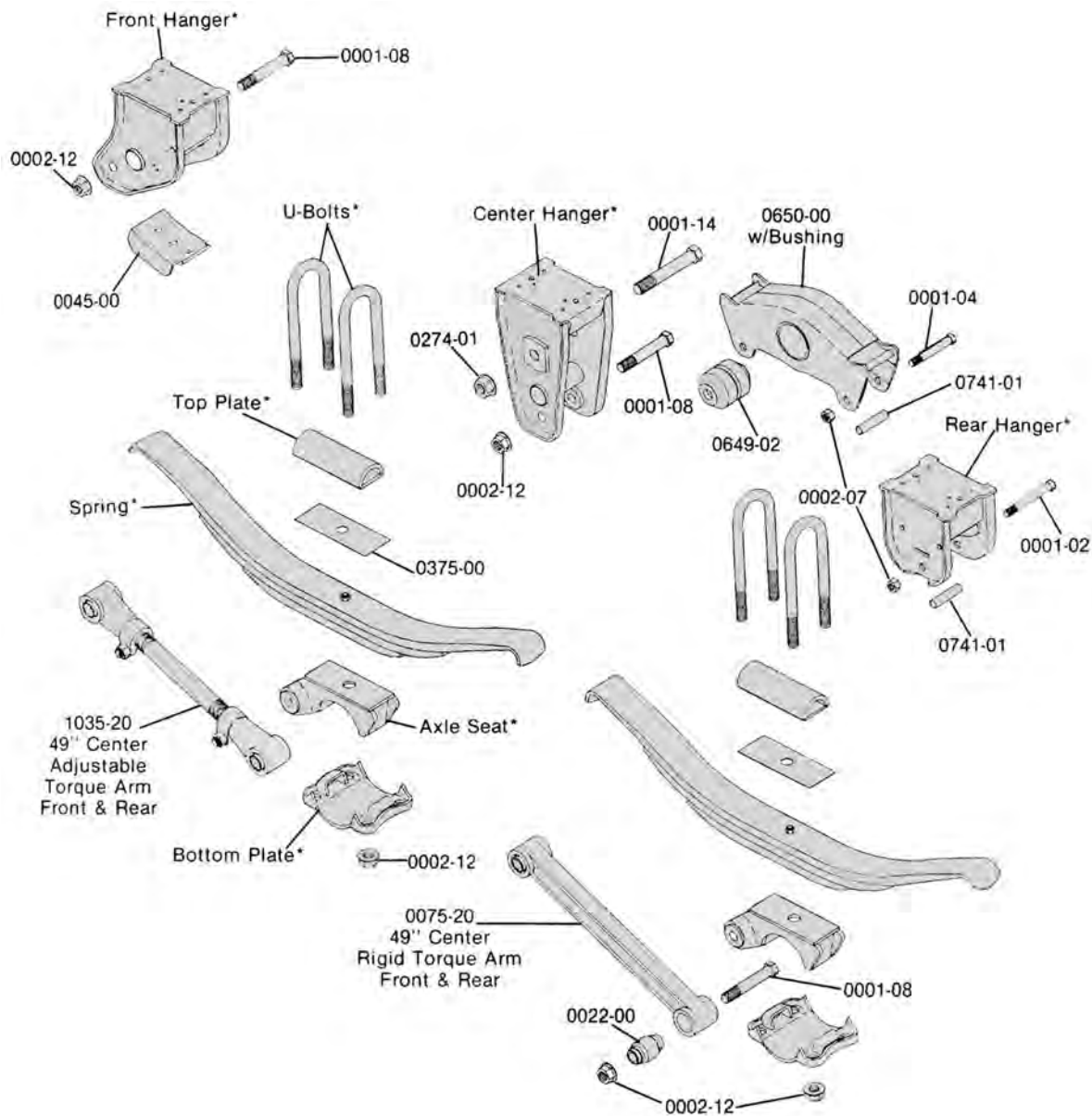
3	REYT5426	Equalizer Bracket	2
	REYT5564	Equalizer Bracket	2
4	T5497	Nut—U-Bolt 3/4"	16
5	T5496	Washer—U-Bolt 3/4"	16
6	REY11760-01	Top Plate—all axles	4
	T5488	To Plate—5" Round	4
	09987-01	Top Plate—4" x 6" axle	4
	REYT1734	Top Plate—5" x 5" axle	4
7	REY14248-01	Equalizer Bolt	4
8	14250-01	Lock Washer	8
9	REY14249-01	Compression Washer—Equalizer	4
10	REYT5524	Equalizer Bushing	4
11	REY14247-01	Equalizer Shaft	2
12	REYT5427	Equalizer	2
13	See Spring Section 11.11.1	Spring	4
14	T5544	Cap Screw	10
15	REYT1704	Nut	10
16	T1705	Washer	10
17	T2106	Spring Roller	6
18	09730-01	Axle Seat—5" round	4
	08757-01	Axle Seat—5" round	4
	09525-01	Axle Seat—4" x 6" axle	4
	07980-01	Axle Seat—5" x 5" axle	4
	08060-01	Axle Seat—5" x 5" axle	4
	REY10114-01	Axle Seat—5" round, 3/4" high	4
	09103-01	Axle Seat—5" x 5" axle, 13/16" high	4
	10292-01	Axle Seat—4" x 6" axle, 3/4" high	4
19	REYT5492	Torque Arm bolt	8
20	REYT5495	Lock Nut	8
21	REYT2224	Compression Washer—torque arm	16
22	REYT5493	Torque Arm bushing	16
23	REY15178-01	Torque Arm assembly—rigid front	1
	REY15179-01	Torque Arm assembly—rigid rear	1
24	REY15172-01	Torque Arm assembly—adjustable front	1
	REY15173-01	Torque Arm assembly—adjustable rear	1
25	See U-Bolt Section 11.12.1	U-bolts	8
26	T2306	Cap Screw	4
27	REYT5514	Bottom Plate—5" round	4
	09230-01	Bottom Plate—4" x 6" axle	4
	09229-01	Bottom Plate—5" x 5" axle	4
	T5727	Bottom Plate—5" round underslung, 5" x 5" underslung	8
28	T5481	Stabilizer 5" round	AR
	08061-01	Stabilizer 5" x 5" Axle	AR
29	T7560	U-Bolt bottom clip—4" x 6" axle	8
	T5587	U-Bolt bottom clip—5" x 5" axle	8
30	T7716	Spacer Block 1"	AR
	T7654	Spacer Block 1-1/2"	AR
	REYT7655	Spacer Block 2"	AR
31	REYT5166	Spring Liner	8

9.5.2: REYCO 21B SUSPENSION COMPONENTS

FRONT HANGER		EQUALIZER HANGER		REAR HANGER	
Under Mount Hangers					
					
RH Shown				LH Shown	
1. REYT5562	RH	1. REYT5564		1. REYT5565	LH
2. REYT5563	LH			2. REYT5566	RH
					
1. REY20478-01				1. REY20476-01	
Flange Mount Hanger					
					
LH Shown				LH Shown	
1. REYT5424	RH	1. REYT5426		1. REYT5428	RH
2. REYT5425	LH			2. REYT5429	LH
Adjustable Torque Arm Less Bushings			Rigid (Fixed) Torque Arms Less Bushings		
					
1. REY15172-01	42"-44" Axle center		1. REY15178-01	44" Axle spacer	
2. REY15173-01	49" Axle center		2. REY15179-01	49" Axle spacer	
Torque Arm Bushing Kit					
			1 kit consists of: 1. REYT5492—1 bolt 2. REYT5493—2 bushings 3. REY2224—2 washers 4. REYT5495—1 lock nut		
1. REYTK18997	Kit for 1 end				
2. REYT7319	Kit for 8 ends				

Equalizer Less Bushing  1. REYT5427 42", 49" & 53" Axle spacing	Equalizer Bushing Kit  REYTK12506 consists of: 1. REYT5524—2 bushings 2. REY14250—2 lock washers 3. REY14248-01—2 cap screws 4. REY14249-01—2 washers 5. REY14247—1 shaft 1. REYTK18998 Kit for 1 equalizer 2. REYTK12506 Kit for 2 equalizers (2 REYTK18998)	
Equalizer  1. REY21725-01	Axle Seat 5" x 5"  1. REY07980-01	Axle Seat 5" Round  1. REY11336-01 1-3/4" hi
Bottom Plate 5" Round Inverted U-bolt  1. REY09139-01	Spacer Block  1. REYT7555 1/2" fabricated 2. REYT7716 1" cast 3. REYT7654 1-1/2" cast 4. REYT7655 2" cast	Spring Seat 5" Round  1. REY10114-01
Top Plate U-Bolt Up  1. REYT7175	Top Plate  1. REYT5488	Top Plate  1. REYT1734
Spring Roller Assembly  1. REYTK09011	Spring Roller Nut  1. REYT1704	Top Plate U-Bolt Down  1. REY08677-01

9.5.3: EXPLODED VIEW OF REYCO TRANSPRO 86 & 88 SUSPENSION



*See Transpro 86 & 88 Suspension Components

9.5.4: REYCO TRANSPRO 86 & 88 SUSPENSION COMPONENTS

Adjustable Torque Arm With Rey0022-00 Bushing  1. REY1035-20 Model 86 & 88		Rigid (Fixed) Torque Arms With Rey0022-00 Bushing  1. REY0075-20 Model 86 & 88	
Torque Arm Bushing Kit  1 Kit consists of: 1. REY0001-08—1 Bolt 2. REY0022-00—1 Bushing 3. REY0002-12—1 Lock nut 1. REY0022-01K Kit for 1 end		Equalizer With Bushing 49" Axle Spacing'  1. REY0650-00 Fabricated 2. REY0850-00 Cast	
FRONT includes REY0045-00 pads		EQUALIZER	
 1. REY0046-00 LH, RH		Straddle Mount Hangers  1. REY0062-00	
 1. REY0049-00 LH, RH		Under Mount Hanger  1. REY0065-00 LH, RH	
 1. REY0400-01 1/2" hole LH 2. REY0400-02 RH 3. REY1240-01 5/8" hole LH 4. REY1240-02 RH		Flange Mount Hanger  1. REY0401-00 1/2" hole LH, RH 2. REY1237-20 5/8" hole LH, RH	
		 1. REY0402-01 1/2" hole LH 2. REY0402-02 RH 3. REY1241-01 5/8" hole LH 4. REY1241-02 RH	
		REAR includes REY0045-00 pads	
		 1. REY0051-00 LH, RH	
		 1. REY0053-00 LH, RH	

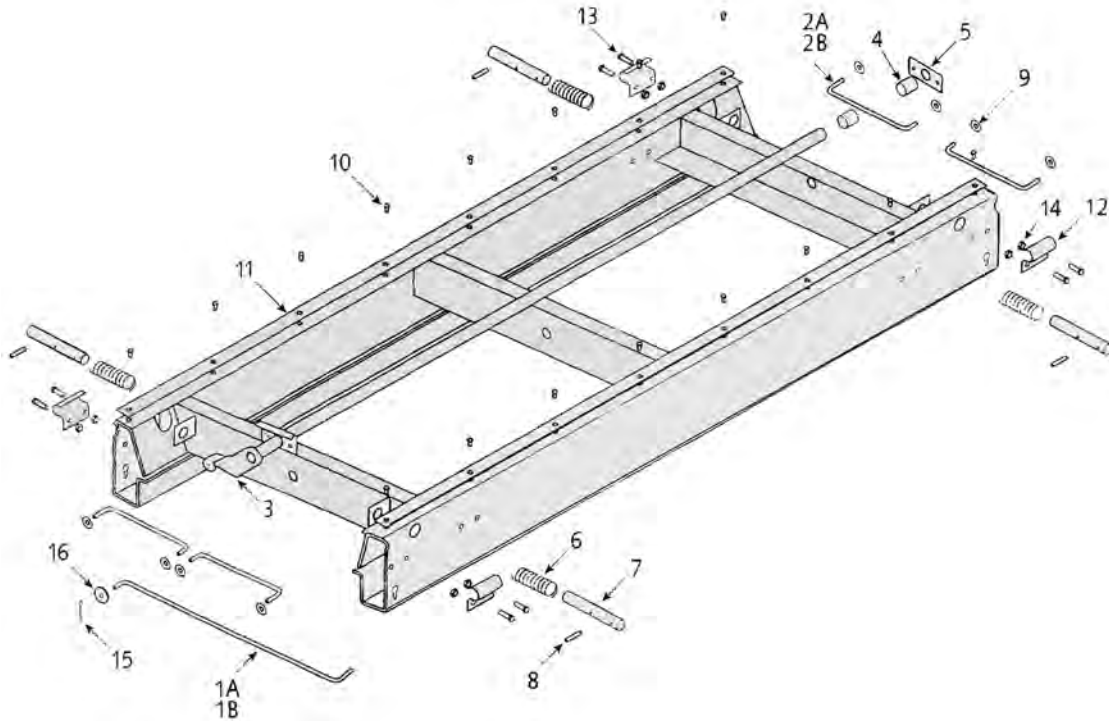
9.5.5: MISCELLANEOUS SUSPENSION COMPONENTS

Equalizer Nut & Bolt  1. REY0001-14 Bolt 1" -14 x 6-1/4" 2. REY0274-01 Nut	Equalizer Bushing (Pre 9/86)  1. REY0106-06	Equalizer Bushing (New Style)  1. REY0649-02
Bottom Plate 5" round no hop  1. REY0415-00	Axle Seat 5" round  1. REY0636-01 1" 2. REY0636-02 1-1/2" 3. REY0636-25 2-1/2"	Axle Seat 5" round  1. REY0637-25 2-1/2"
Bottom Plate 5" Round Inverted U-Bolts  1. REY0880-00	Equalizer With Bushing (Prior to 1984)  1. REY09120-01 Cast	Air Spring Double Convolution  1. REY20018-01
Adjustable Torque Arm Reyco 45 Suspension includes REY09729-01 bushing  1. REY16347-01 Front	Adjustable Torque Arm Reyco 79KA & 79KB Suspensions include REY09729-01 bushing  1. REY16348-01	Torque Arm Bolt  1. REY10033-01
Torque Arm Bolt-Nut  1. REY10092-01	Washer  1. REYT5770 1" ID 2. REYT7292 7/8" ID	

9.6 Binkley Suspensions & Components



9.6.1: BINKLEY "LITE SLIDE" SL8000 & SL6000 SERIES



Item Number	Part Number	Description	Qty
1A	SL0744-03	Pull Arm 42" width	1
1B	BINSL0744-07	Pull Arm 48" width	1
2A	SL0646-42	Linkage Arm 42" width	4
2B	SL0646-48	Linkage Arm 48" width	4
3	SL0019	Qwik Release Replacement Kit	1
4	SL0523-07	Spacer	2
5	SL0088	Cam	1
6	BINPP0020-18	Compression Spring	4
7	BINSL0450	Lock Pin 1-3/8"	4
8	SP052-28	Roll Pin	4
9	SL0016-68	Flat Washer	8
10	STS-008-16	Screw	8
11	BINSL0515	Wear Pad	2
12	BINSL0893	Hold Down Clamp	4
13	PP001-33	Hex Bolt	8
14	PP0012-42	Hex Nut	8
15	PP0014-59	Cotter Pin	1
16	PP0016-08	Flat Washer	1

9.6.2: BINKLEY SUSPENSION HANGERS

FRONT HANGER	EQUALIZER HANGER	REAR HANGER
Under Mount Hangers		
		
1. BINSP0162	1. SP0161	1. BINSP0160
Straddle Mount Hangers		
		
1. BINSP0100	1. BINSP0110	1. BINSP0120

9.6.3: BINKLEY EQUALIZERS & COMPONENTS

Equalizer (with bushing)	Equalizer Bushing	Equalizer Bolt (1"—12 x 6-1/2")	Equalizer Nut (1"—12)
			
1. BINSP0131	1. BINPP0054-05	1. BINPP0050-73	1. BINPP0012-37

9.6.4: BINKLEY TORQUE ARMS & COMPONENTS

Adjustable Torque Arm (with bushings)	Rigid (Fixed) Torque Arm (with bushings)	Torque Arm Bolt (7/8"—14 x 4-3/4")	Torque Arm Nut (7/8"—14)
			
1. BINSP0123 19-1/4"	1. BINSP0143 19-1/4"	1. BINPP0050-75	1. BINPP0012-36

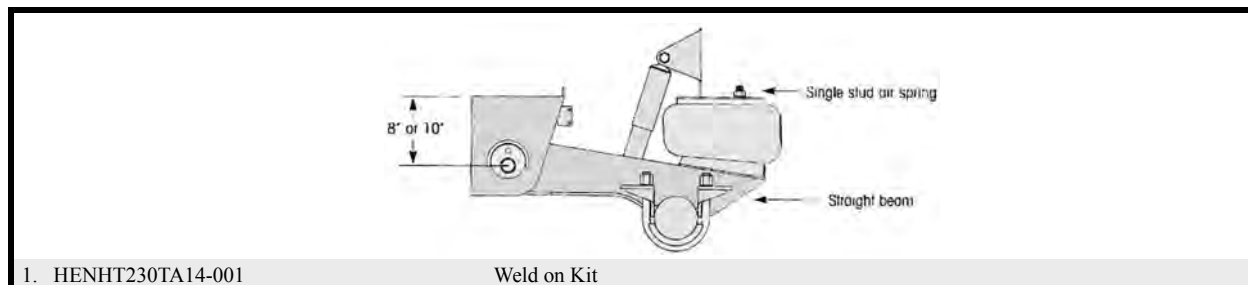
9.6.5: MISCELLANEOUS BINKLEY SUSPENSION COMPONENTS

Spring Seat (for 5" round axles) 	Top Plate (for 5" round axle) 	Top Plate (for 5" round axle) 	Bottom Plate (for 5" round axle) 
1. BINSPO142-01 3/4" inner width	1. BINSPO178	1. BINSPO136	1. BINSPO099

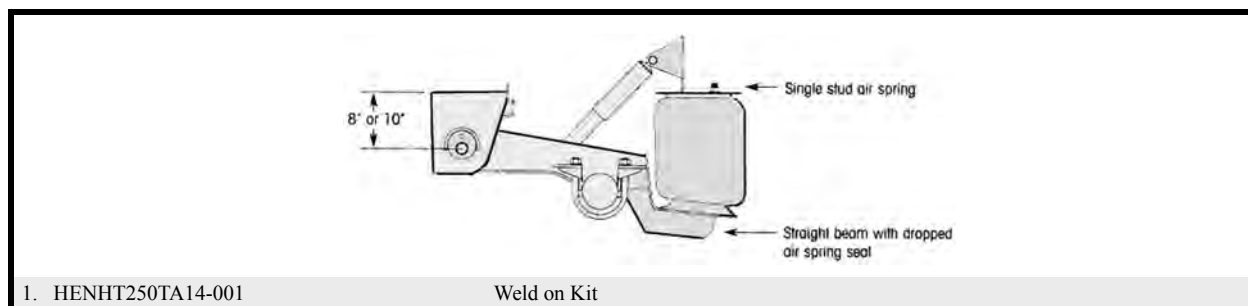
9.7 Hendrickson Suspensions & Components



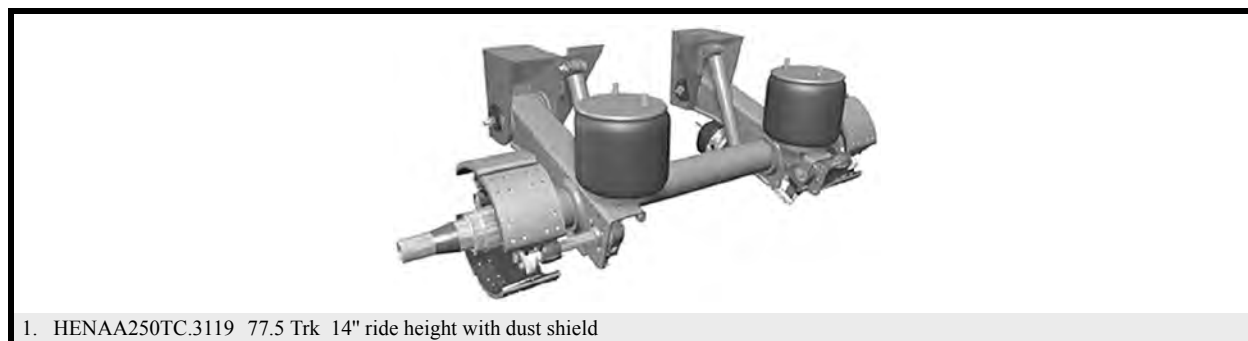
9.7.1: HENDRICKSON MODEL HT230 SUSPENSION



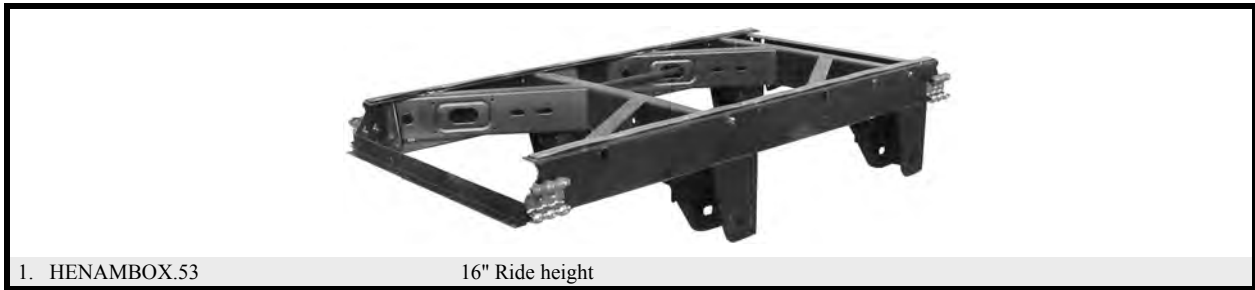
9.7.2: HENDRICKSON MODEL HT250 SUSPENSION



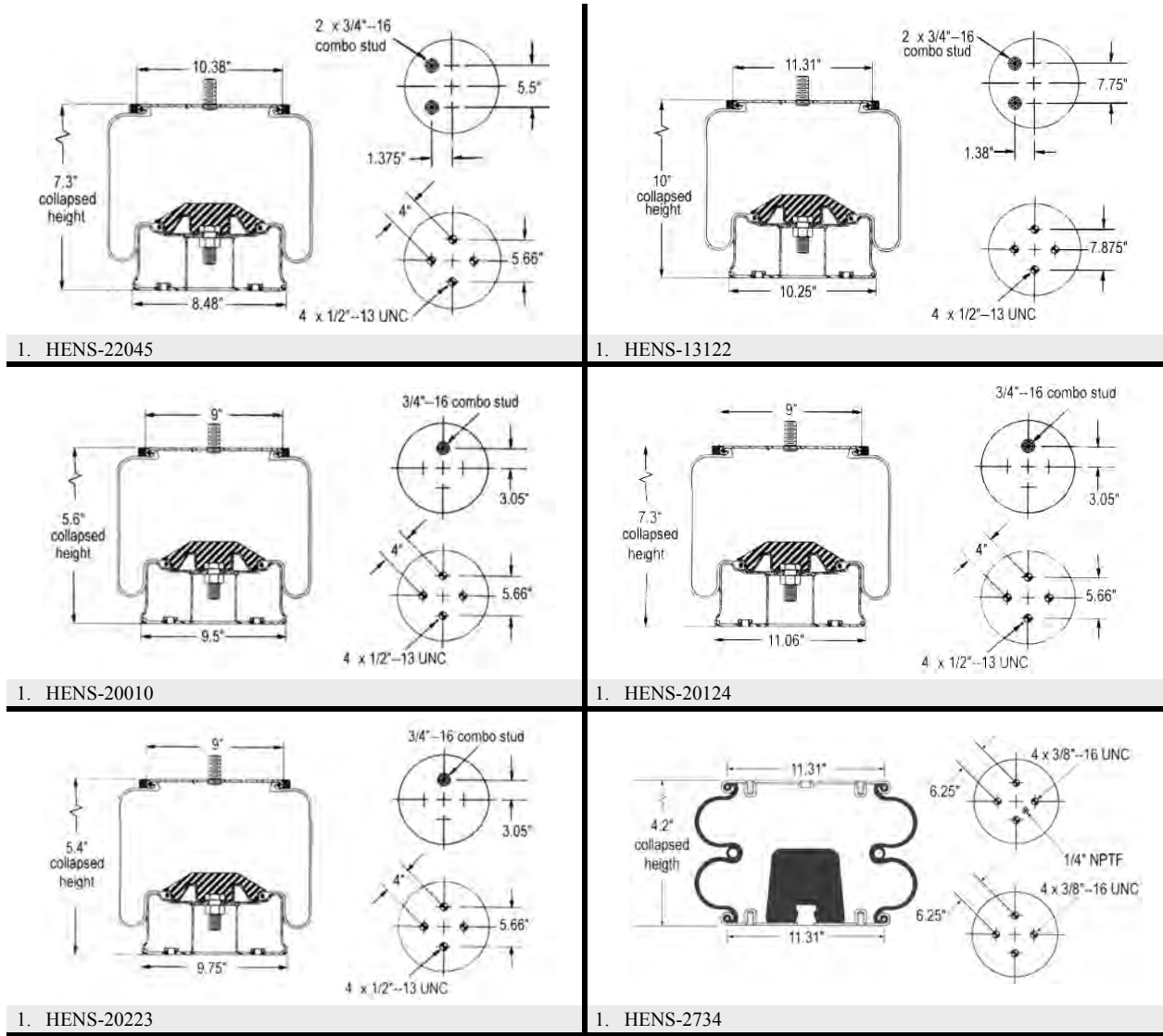
9.7.3: HENDRICKSON INTRAX SUSPENSION

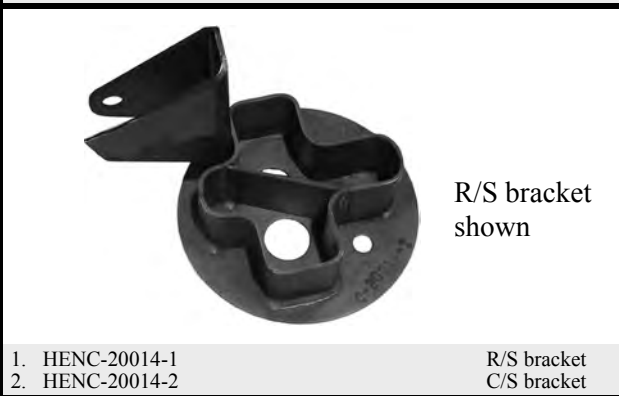
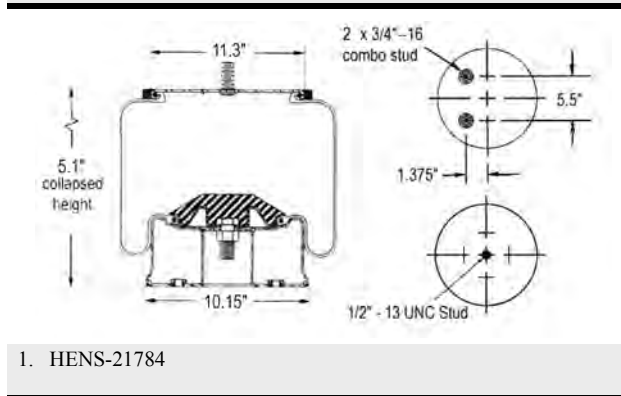
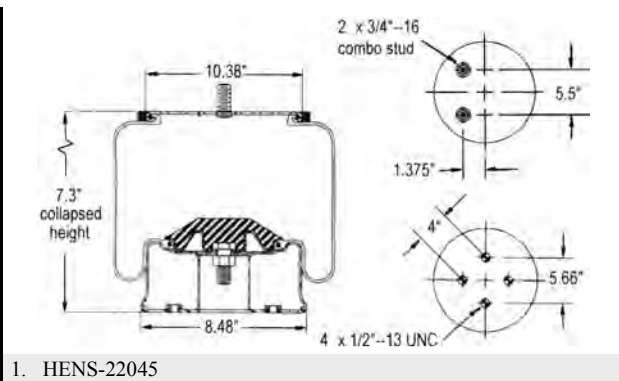
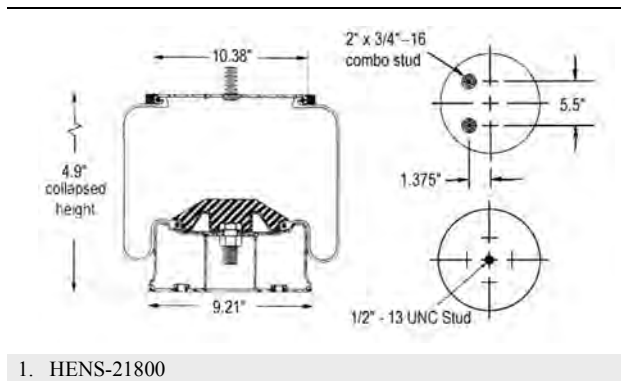


9.7.4: HENDRICKSON SLIDER BOX WITH HANGERS



9.7.5: HENDRICKSON AIR SPRINGS & ACCESSORIES



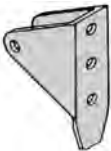
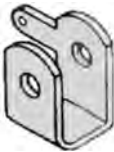


9.7.6: HENDRICKSON SHOCK ABSORBERS

Part Number	A	B	C	D	Stroke
HENS-20001	11.59"	16.57"	2.02"	2.38"	5.38"
HENS-20002	11.60"	17.49"	2.19"	2.50"	5.91"
HENS-20126	11.71"	17.49"	2.75"	3.25"	5.78"
HENS-21292	9.47"	13.25"	2.19"	2.50"	3.78"
HENS-2212	12.97"	20.25"	2.19"	2.50"	7.28"



9.7.7: HENDRICKSON SHOCK ACCESSORIES

Upper Shock Bracket  1. HENS-20023	Lower Shock Brackets  1. HENS-2592	Lower Shock Brackets  1. HENC-20069
Shock Bolts  1. HENS-20031-2	Shock Strap  1. HENC-24041-2 1-5/8" x 44" 2. HENC-24041-3 1-3/4" x 40" 3. HENC-24041-4 1-3/4" x 44"	

9.7.8: HENDRICKSON U-BOLT KITS

 1. HENS-20032	 1. HENS-3650-4
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9.7.9: HENDRICKSON SOLENOID VALVES

 1. HENS-1414 12V Normally Open 1/2" Ports	
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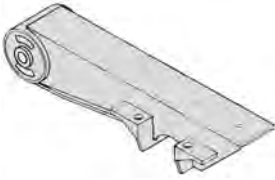
9.7.10: HENDRICKSON AIR VALVES & KITS

		
1. HENAK-53	1. HENAK-54	1. HENAK-147 Manual Dump Valve
		
1. HENAK-152	1. HENAKH-43-3	1. HENV-227 Leveling valve

9.7.11: HENDRICKSON BUSHING KIT

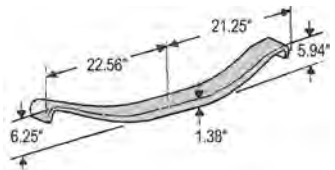
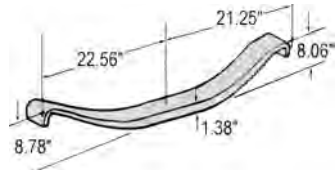
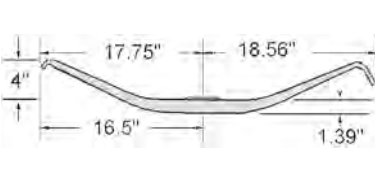
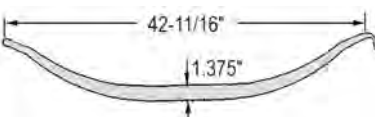
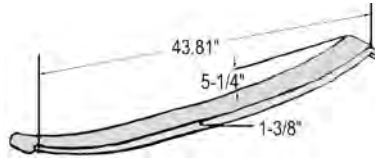
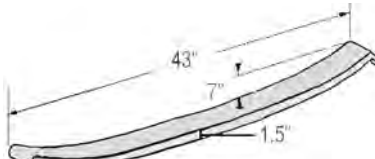
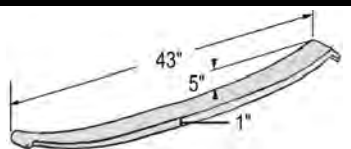
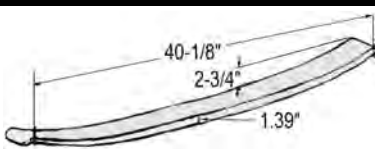
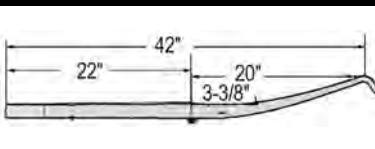
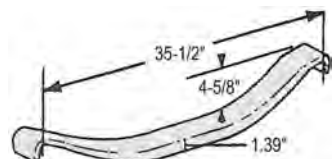
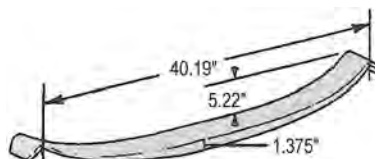
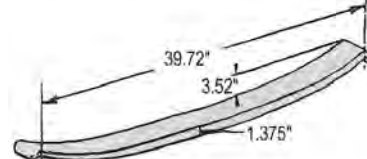
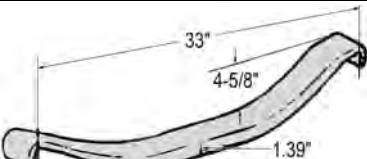
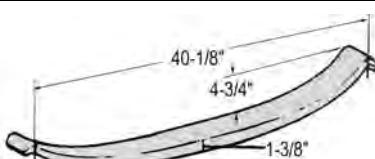
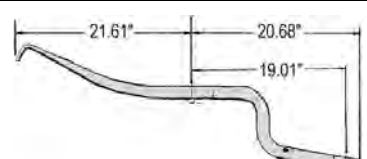
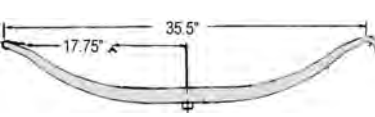
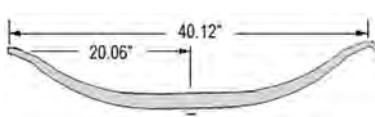
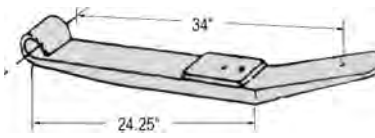
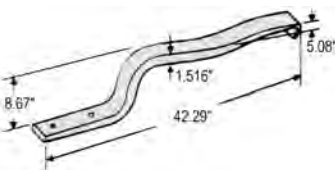
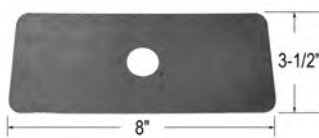

1. HENA-6914 Welded pivot bushing kit

9.7.12: MISCELLANEOUS HENDRICKSON SUSPENSION COMPONENTS

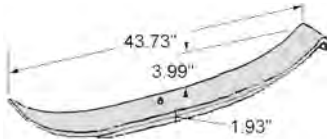
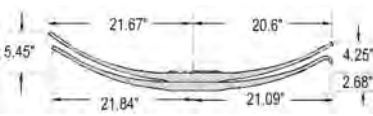
		
1. HENC-20064-1 R/S Hanger 2. HENC-20064-2 C/S	1. HENS-20000-1 R/S Beam assembly 2. HENS-20000-2 C/S	1. HENC-20335-1 R/S Beam assembly 2. HENC-20335-2 C/S
		
1. HENB-11084-2 C/S Beam assembly 2. HENB-11084-3 R/S	1. HENS-3646 Welded alignment pivot bolt kit	1. HENS-24679 Pivot bolt kit
		
1. HENS-20701 Axle spacer	1. HENA-1127 Hand valve	1. HENS-2770 Alignment collar
		
1. HENS-20924 Eccentric Quick align	1. HENS-20925 Cocentric Quick align	1. HENS-11613 Derelen wear pads
		
1. HENB-24460 Hold down clip	1. HENB-22366 Hold down clip	1. HEND-21135 Adapter

9.8 Suspension Springs

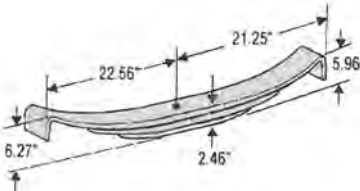
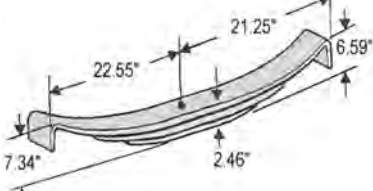
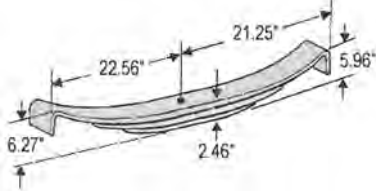
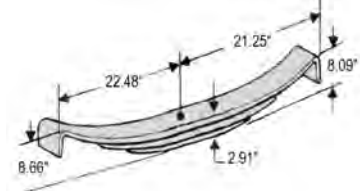
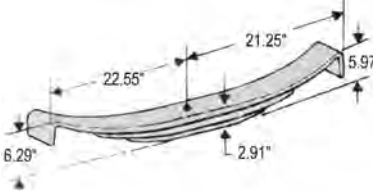
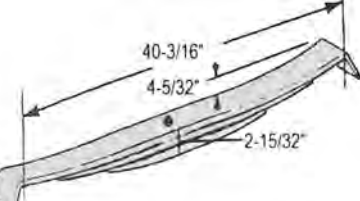
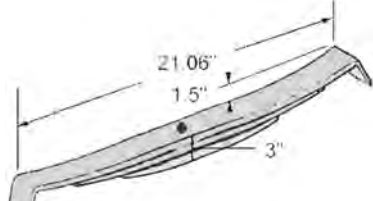
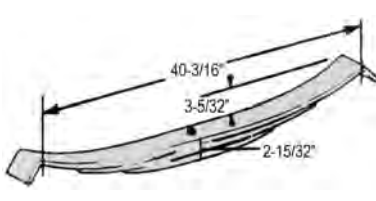
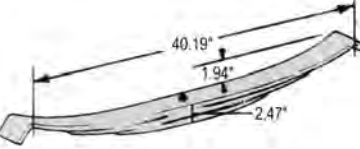
9.8.1: SINGLE LEAF SUSPENSION SPRINGS

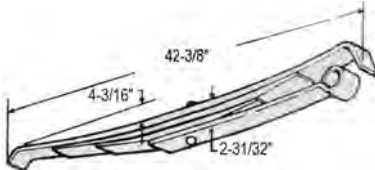
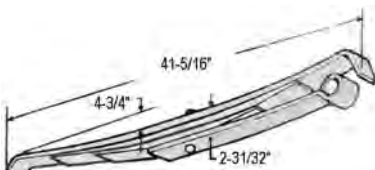
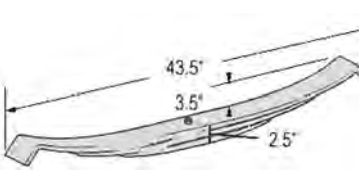
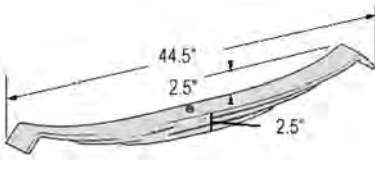
 1. STATRA021 Hutch 363-00	 1. STATRA023 Hutch 360-00	 1. STATRA026 Hutch 7051-42
 1. STATRA031 Reyco T5555	 1. STATRA051 Trailmobile 3-A3-56	 1. STATRA072 0179-01
 1. STATRA073 0179-02	 1. FRUUCD4918-1 Fruehauf low arch	 1. FRUUCD6217-1 Fruehauf uni-flex
 1. FRUUCD8315-1 Fruehauf uni-flex low arch	 1. FRUUCF6820-1 Fruehauf hi-tech low arch	 1. FRUUCF8431-1 Fruehauf hi-tech low arch
 1. FRUUXA0178 Fruehauf hi arch	 1. FRUUXA0186 Fruehauf hi arch	 1. FRUUVA0092-1 Fruehauf
 1. FRUUVA0093-1 Fruehauf hi tech	 1. FRUUVA0094-1 Fruehauf	 1. FRUUCE0176-1 Fruehauf LH 2. FRUUCE0176-2 RH
 1. FRUUCF8314-1 Hi tech	 1. HUT16316-01 Composite low arch	 1. STAGL295 Galvanized spring liner

9.8.2: TWO LEAF SUSPENSION SPRINGS

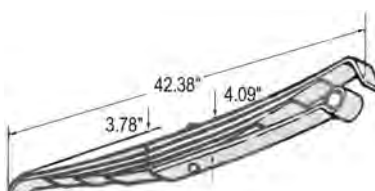
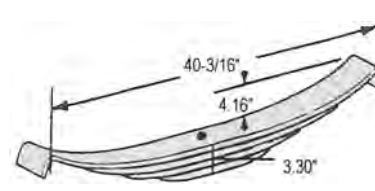
 1. STATRA2754 Hutch 326-00	 1. STATRA2757 Hutch 16710-01
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9.8.3: THREE LEAF SUSPENSION SPRINGS

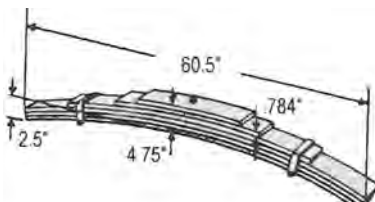
 1. STATRA2726 Hutch 354-00	 1. STATRA2727 Hutch 355-00	 1. STATRA2728 Hutch 356-00
 1. STATRA2740 Hutch 365-00	 1. STATRA2741 Hutch 365-01	 1. STATRA1492 Trailmobile 3-A3-62
 1. FRUUCD0511-1 Fruehauf	 1. STATRA697 Fruehauf UCA7981-1	 1. FRUUCD6118-1 Fruehauf
 1. FRUUCF4784-1 Fruehauf	 1. FRUUCE0100-1 Fruehauf	 1. FRUUCE0101-1 Fruehauf

		
1. FRUCC9066-1Fruehauf with torque leaf	1. FRUUCD0401-1Fruehauf with torque leaf	1. STATRA3340 TP0079-01
		
1. STATRA3341 TP0079-02		

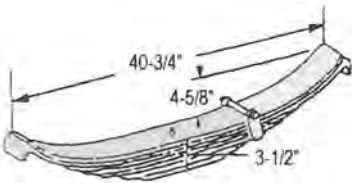
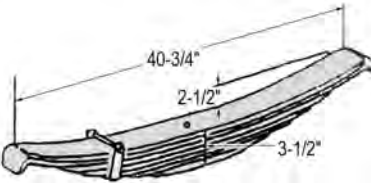
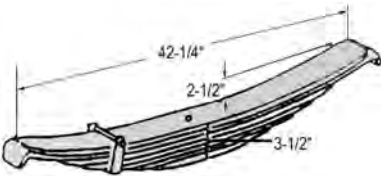
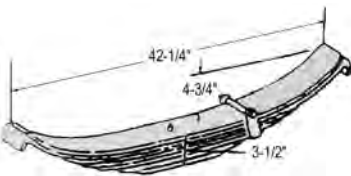
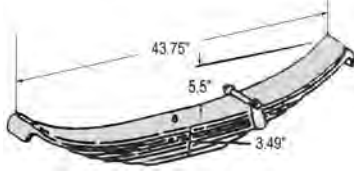
9.8.4: FOUR LEAF SUSPENSION SPRINGS

	
1. FRUCE1666-1Fruehauf with torque leaf	1. FRUUXB0201 Fruehauf

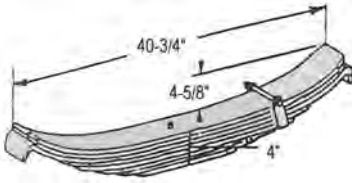
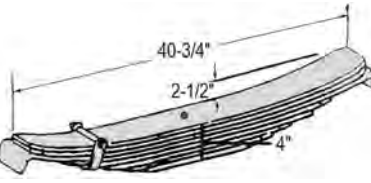
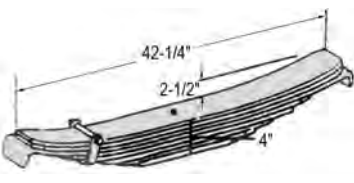
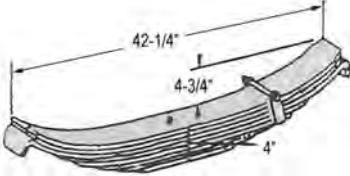
9.8.5: SIX LEAF SUSPENSION SPRING

		
1. FRUUCD5729-1 Fruehauf		

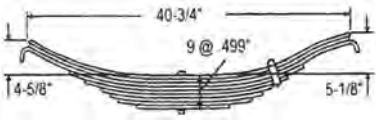
9.8.6: SEVEN LEAF SUSPENSION SPRINGS

 40-3/4" 4-5/8" 3-1/2"	 40-3/4" 2-1/2" 3-1/2"	 60.5" 5.53" 2.5" .788"
1. FRUUCA0102 Fruhauf hi arch	1. FRUUCA0104 Fruhauf low arch	1. FRUUCD8565-1 Fruhauf
 42-1/4" 2-1/2" 3-1/2"	 42-1/4" 4-3/4" 3-1/2"	 43.75" 5.5" 3.49"
1. HUT751-01 Hutch low arch	1. HUT751-05 Hutch hi arch	1. HUT751-06 Hutch hi arch

9.8.7: EIGHT LEAF SUSPENSION SPRINGS

 40-3/4" 4-5/8" 4"	 40-3/4" 2-1/2" 4"	 42-1/4" 2-1/2" 4"
1. FRUUCA0103 Fruhauf hi arch	1. FRUUCA0105 Fruhauf low arch	1. HUT752-01 Hutch low arch
 42-1/4" 4-3/4" 4"		
1. HUT752-05 Hutch hi arch		

9.8.8: NINE LEAF SPRINGS

 40-3/4" 9 @ .499" 4-5/8" 5-1/8"	 40-3/4" 2-1/2" 9 @ .499"
1. FRUUCC3174 Fruhauf hi arch	1. FRUUXA0252 Fruhauf low arch

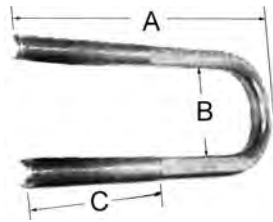
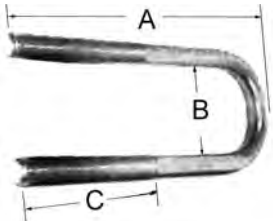
9.9 Suspension U-Bolts & Kits

9.9.1: SUSPENSION U-BOLTS & KITS

9.9.1.1: 7/8" ROUND TOP U-BOLT KITS

Part Number	A	B	C	Figure
BLT31464903	13"	3"	6"	 Kit includes: 2—U-Bolts 4—Hi nuts 4—Washers
BLT31464904	14"	3"	6"	
BLT31464910	15"	3"	6"	
BLT31465000	16"	3"	6"	
FRUUXA0046-901	12-1/2"	3"	5"	
FRUUXA0046-902	13-1/2"	3"	5"	
FRUUXA0046-915	10"	3"	5"	
FRUUXA0046-917	14-1/2"	3"	5"	
FRUUXA0046-918	17"	3"	5"	

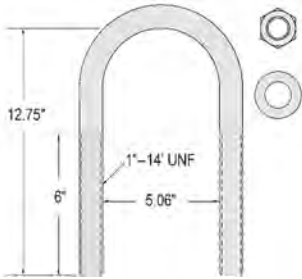
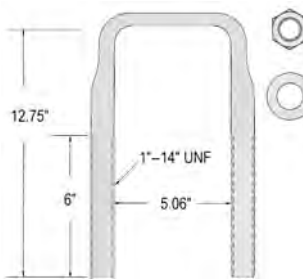
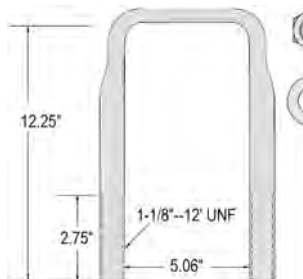
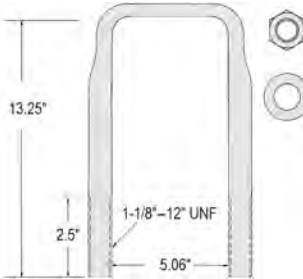
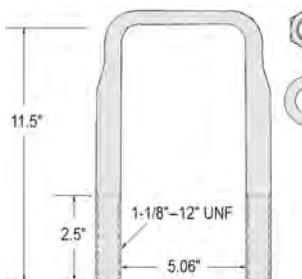
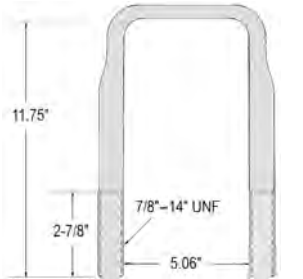
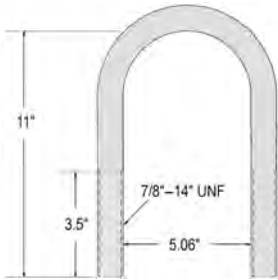
9.9.1.2: 7/8" ROUND TOP U-BOLTS

Part Number	A	B	C	Figure
HUT7040-06	11-3/4"	3"	3-1/2"	
HUT7040-08	10-3/4"	3"	3-1/2"	
HUT7040-09	11-1/4"	3"	3-1/2"	
HUT7040-15	14-1/4"	3"	3-1/2"	
HUT7040-16	14-3/4"	3"	3-1/2"	
HUT7816-10	11-3/4"	5"	3-1/2"	
HUT7816-12	12-3/4"	5"	3-1/2"	
HUT7816-13	13-1/4"	5"	3-1/2"	
HUT7816-16	14-3/4"	5"	3-1/2"	

9.9.1.3: 3/4" ROUND TOP U-BOLTS & KITS

Part Number	A	B	C	Figure
BLT31464810	15-1/2"	5"	6"	 Kit consists of: 2—U-Bolts 4—Hi nuts 4—Washers
BLT31464812	12-1/2"	3"	6"	
BLT31464813	13-1/2"	3"	6"	
BLT31464814	14-1/2"	3"	6"	
BLT31464815	15-1/2"	3"	6"	

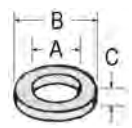
9.9.1.4: MISCELLANEOUS U-BOLTS

 1. FRUBXE0440-900 Kit	 1. FRUBXE0460-900 Kit	 1. FRUUCD5640-901 Kit
 1. FRUUCD8680-901 Kit	 1. FRUUCD8680-902 Kit	 1. FRUUC6463-1 U-Bolt only
 1. FRUUC2936-7 U-bolt only		

9.9.2: U-BOLT NUTS

Part Number	Size	H	Figure
HUT34-00	7/8"	1-5/32"	
NUT1-32A	7/8"	.922"	
NUT7-5	1"	1.3"	
NEW934-00-502	1"		
NEW934-00-506	1-1/8"	1-1/8"	

9.9.3: U-BOLT WASHERS

Part Number	Size	Inside A	Outside B	Thickness C	Figure
HUT35-00	7/8"	1-5/16"	1-3/4"	.150"	
WSH2-4B	1"	1-1/8"	2"	.136/.177"	
WSH2-33A	7/8"	15/16"	1-3/4"	.13636/.177"	

10.1: Gladhand & Accessories	2
10.2: Air Hose	7
10.3: Hose Supports, Springs, & Accessories	10
10.4: Air Chambers & Accessories	12
10.5: Air Reservoir Tanks	15
10.6: Fittings & Clips	17
10.7: Air Valves	22
10.8: Air Ride Height Control Valves	33
10.9: ABS Systems	35

10.1 Gladhand & Accessories

10.1.1: CONVENTIONAL ALUMINUM GLADHANDS



Part Number	Type	Special Notes	Manufacturer
MID11450	Universal		Haldex Automatic Brake Adjusters
MID11451	Emergency		
MID11452	Service		
MID11440	Emergency	With filter	
MID11441	Service	With filter	
PHI12-010	Universal		PHILIPS
PHI12-008	Emergency		
PHI12-006	Service		
TRA36201	Emergency		TRAMEC
TRA36101	Service		
TRAF36201	Emergency	With filter	
TRAF36101	Service	With filter	

10.1.2: CONVENTIONAL CAST IRON GLADHANDS



Part Number	Type	Special Notes	Manufacturer
MTR035031	Universal		I M PARTS
MIDA77771	Emergency		Haldex
MIDA77770	Service		
TRA56321	Universal		TRAMEC

10.1.3: BRACKET MOUNT ALUMINUM GLADHANDS



Part Number	Type	Angle	Plug Furnished	Manufacturer
FRUACF6729-2	Emergency	37.5°	Yes	
FRUACF6729-1	Service	37.5°	Yes	
TRA36241	Emergency	15°	Yes	
TRA36141	Service	15°	Yes	
TRAF36261	Emergency	37°	Yes & filter	
TRAF36161	Service	37°	Yes & filter	
MID11444	Service	-----	Yes	
MID11445	Emergency	-----	Yes	

10.1.4: ALUMINUM SHUT-OFF STYLE GLADHANDS

Tramec Style



Sloan Style



Part Number	Type	Seal	Included	Manufacturer
SLO441001	Service	Standard	3/8" Nylon fitting	
SLO441003	Service	Standard	1/2" Nylon fitting	
HEB441004	Service	Standard	None	
HEB441014	Emergency	Standard	3/8" Copper fitting	
SLO441008	Emergency	Standard	3/8" Nylon fitting	
SLO441080	Emergency	Black Poly Seal	None	
SLO441081	Service	Black Poly Seal	None	
TRA36153	Service	Standard	3/8" Nylon fitting	
TRA36253	Emergency	Standard	3/8" Nylon fitting	
TRA36154	Service	Standard	1/2" Nylon fitting	
TRA36254	Emergency	Standard	1/2" Nylon fitting	
TRA36156	Service	Standard	3/8"—18 NPTF	
TRA36256	Emergency	Standard	3/8"—18 NPTF	

10.1.5: ALUMINUM SWING-A-WAY (SWIVEL) GLADHANDS



Part Number	Type	Material	Style	Seal	Swivel	Manufacturer
SLO441102	Service	Aluminum	A	Standard	45°	
SLO441103	Emergency	Aluminum	A	Standard	45°	
TRA36181	Service	Aluminum	A	Standard	45°	TRAMEC
TRA36281	Emergency	Aluminum	A	Standard	45°	
TRA36191	Service	Aluminum	B	Standard	90°	
TRA36231	Emergency	Cast	C	Standard	90°	
TRA36291	Emergency	Aluminum	B	Standard	90°	

10.1.6: GLADHANDS WITH DUST COVERS

Part Number	Type	Manufacturer	Figure
MID11489	Emergency	 Automatic Brake Adjusters	
MID11490	Service		

10.1.7: QUICK-E-GLADHANDS

Part Number	Type	Manufacturer	Figure
PHI12-206	Universal	PHILIPS	

10.1.8: DUMMY GLADHANDS & PACIFIERS

Part Number	Note	Manufacturer	Figure
MID11400	With 18" cable	Haldex	
SLO441047	With 26" cable		
SLO441073	With 18-3/16" loose end cable		
SLO441721	Pacifier		
PHI12-0100	16" Cable	PHILIPS	

10.1.9: GLADHAND BRACKETS

					
1. MID11401	Bracket	1. SLO441731	Bracket	1. MTR12S00002	Bracket
2. MID11402	Bracket	2. MID11403	Bracket		

10.1.10: GLADHAND SEALS

10.1.10.1: RUBBER GLADHAND SEALS

Part Number	Type	Manufacturer	Figure
MID10028	Double Lip	Haldex	 Double Lip Single Lip
MID10029	Single Lip		
TRA36001	Double Lip	TRAMEC	
TRA36003	Single Lip		

10.1.10.2: POLYURETHANE GLADHAND SEALS

Part Number	Type	Manufacturer	Figure
MTR10030	Blue Double Lip		 Compression
MTR10031	Red Double Lip		
MTR10032	Black Double Lip		
SLO441737	Red Double Lip		
SLO441738	Blue Double Lip		
SLO441739	Black Double Lip		

10.1.11: GLADHAND FILTERS

					
1. MID10035	Filter	1. BEN241839	Filter	1. MTR12600056	Filter

10.1.12: GLADHAND LOCKS

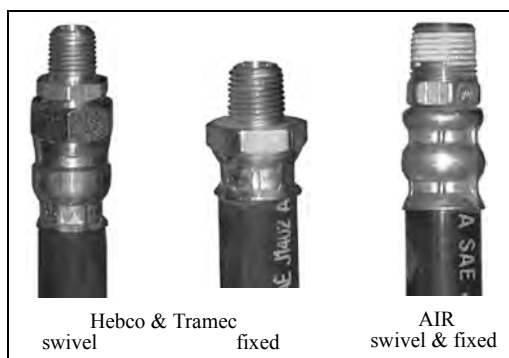
Part Number	Figure
MSPGHLOCK	
two keys	

10.2 Air Hose

10.2.1: RUBBER REINFORCED AIR HOSES

10.2.1.1: REINFORCED RUBBER AIR HOSE ASSEMBLIES

3/8" ID			
Part Number	Length	A	B
HEBSTD3814-13	13"	1/4" Fixed	1/4" Swivel
HEBSTD3814-20.25	20-1/4"	1/4" Fixed	1/4" Swivel
AIR3824	24"	3/8" Swivel	3/8" Swivel
TRA32002-024	24"	3/8" Fixed	3/8" Swivel
HEBSTD3814-26	26"	1/4" Fixed	1/4" Swivel
HEBSTD3814-27.5	27-1/2"	1/4" Fixed	1/4" Swivel
AIR3830	30"	3/8" Swivel	3/8" Swivel
TRA32002-030	30"	3/8" Fixed	3/8" Swivel
HEBSTD3814-36	36"	1/4" Fixed	1/4" Swivel
AIR3836	36"	3/8" Swivel	3/8" Swivel
TRA32002-036	36"	3/8" Fixed	3/8" Swivel
HEBSTD3814-42.5	42-1/2"	1/4" Fixed	1/4" Swivel
HEBSTD3814-45	45"	1/4" Fixed	1/4" Swivel
AIR3848	48"	3/8" Swivel	3/8" Swivel
TRA32002-048	48"	3/8" Fixed	3/8" Swivel
HEBSTD3814-54	54"	1/4" Fixed	1/4" Swivel
HEBSTD3814-60	60"	1/4" Fixed	1/4" Swivel
HEBSTD3814-72	72"	1/4" Fixed	1/4" Swivel
AIR38108	108"	3/8" Fixed	3/8" Swivel



10.2.1.2: BULK RUBBER REINFORCED AIR HOSES

Part Number	Size	Length	Figure
AIR4821-06451	3/8"	50'	
AIR4821-06498	3/8"	250'	
AIR4821-06499	3/8"	500'	
AIR4821-08451	1/2"	50'	
AIR4821-08498	1/2"	250'	
AIR4821-08500	1/2"	500'	

10.2.2: NYLON REINFORCED AIR LINE TUBING**10.2.2.1: BULK NYLON REINFORCED AIR LINE TUBING**

Part Number	Size	Length	Color
AIR1-10	1/4"	100'	Black
AIR1-18	1/4"	1000'	Blue
AIR1-22	1/4"	1000'	Red
AIR1-24	3/8"	100'	Black
AIR1-26	3/8"	500'	Black
AIR1-29	3/8"	100'	Blue
AIR1-30	3/8"	500'	Blue
AIR1-30A	3/8"	250'	Blue
AIR1-33	3/8"	100'	Red
AIR1-35	3/8"	500'	Red
AIR1-35A	3/8"	250'	Red

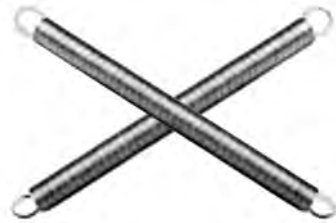
Part Number	Size	Length	Color
AIR1-4	1/2"	500'	Black
AIR1-38	1/2"	100'	Black
AIR1-42	1/2"	100'	Blue
AIR1-44	1/2"	500'	Blue
AIR1-47	1/2"	100'	Red
AIR1-49	1/2"	500'	Red
AIR1-52	5/8"	250'	Black

10.2.2.2: COILED NYLON AIR TUBING SETS

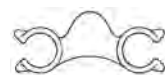

Part Number	Type	Description	A	B	C	D
TRA55100	Set	1/2"—12'	6"	12"	1/2" NPTF	1/2" NPTF
PAR17212-G	Set	1/2"—12'	6"	12"	1/2" NPTF	1/2" NPTF
PAR17215-G	Set	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
PHI11-315	Set	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
55101	Set	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
PAR17215-040	Set	1/2"—15'	40"	12"	1/2" NPTF	1/2" NPTF
PHLS3-600-15-40CBR	Set	1/2"—15'	40"	12"	1/2" NPTF	1/2" NPTF
PHI11-3400	Power Grip Set	1/2"—15'	40"	12"	1/2" NPTF	1/2" NPTF
PHI11-317	Red airline only	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
PHI11-318	Blue airline only	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
MID11964	Red airline only	1/2"—15'	12"	12"	3/8" NPTF	1/2" NPTF
TRA55101R	Red airline only	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF
PHLSM-600-15CB	Blue airline only	1/2"—15'	12"	12"	1/2" NPTF	1/2" NPTF

10.3 Hose Supports, Springs & Accessories

10.3.1: HOSE SUPPORT SPRINGS

Part Number	Diameter	Length	Figure
FRUECB3587	0.47"	13.13"	
PHI17-111	0.75"	11.00"	
MID11601	0.75"	12.38"	
MID11602	1.00"	12.67"	
TRA34015	1.00"	13.00"	
TRA34017	1.06"	25.00"	
MID11603	1.08"	15.00"	

10.3.2: HOSE SEPARATORS (SPACERS)

Plastic  1. FRUACE6477-1 1/2" ID hose	Plastic  1. FRUACB1437 3/8" ID hose	Plastic  1. TRA34020 3/8" ID hose 2. TRA34021 1/2" ID hose
Plastic  1. MTR12200082 3/8" & 1/2" ID hose	Composite  1. MID11548 3/8" ID hose	 1. MID11451 3/8" ID hose 2. TRA34268 3/8" ID hose
 1. MID11543 3/8" ID hose	 1. MID11544 3/8" ID hose	 1. MID11546 3/8" & 1/2" ID hose
 1. PHI17-157 3/8" ID hose	 1. TRA34213 3/8" ID hose	

10.3.3: FLEXASTIKS (SPRING HOLDER) "POGO STICK"

41" Zinc with Hose Clamp  MIDLAND 1. MID11500 41" Zinc	40" Chrome Stick Only  TRAMEC 1. MSPPOGO40 2. TRA34200	40" Gold Chrome with Hose Clamp  PHILIPS 1. PHI17-0401
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10.4 Air Chambers & Accessories

10.4.1: SERVICE CHAMBERS

Part Number	Type	Company	Length	Clevis	Figure
MIDKN36160	16	Midland	cut to length	-----	 For Reference Only
MIDMA36200	20	Midland	cut to length	-----	
OBI20SC	20	OBI	cut to length	included	
ANC2400001/24S	24	Anchorlok	cut to length	-----	
OBI24SC	24	OBI	cut to length	included	
MIDKN36240	24	Midland	cut to length	-----	
ANC3000001	30	Anchorlok	cut to length	-----	
ANC53000001	30	Anchorlok	cut to length	-----	
FRUACE6367-6	30	Pro-Par	cut to length	-----	
OBI30SC	30	OBI	cut to length	included	
OBI30SC-9	30	OBI	cut to length	-----	
OBI30SCB-MTRA01-01	30	OBI	6.5" threaded rod	included	
TSE30002SC-C	30	TSE	cut to length	-----	
MGM1431001	30	MGM	cut to length	-----	

10.4.2: PIGGYBACK UNITS WITH CAGING BOLTS

Part Number	Type	Company	Unit Type	Figure
ANC1624002	16/24	Anchorlok	Clamped	 For Reference Only
OBI22424P	24/24	OBI	Sealed	
MIDMA15427	24/30	Midland	Sealed	
ANC53030021	30/30	Anchorlok	Sealed	
ANC53030023	30/30	Anchorlok	Clamped	
MGM3430001X	30/30	MGM	Sealed	
MGM3430008X*	30/30	MGM	Sealed	
MGM3230008*	30/30	MGM	Sealed	
OBI23030P	30/30	OBI	Sealed	
MIDMQ48300*	30/30	Midland	Sealed	
RNGBPS-3030	30/30	Ranger	Sealed	
TSE3030-OMNI	30/30	TSE	Sealed	
TSE3030S-OMNI-A	30/30	TSE	Sealed	

*Includes diaphragm, 2 piece clamp band and nut & bolt

10.4.3: SPRING BRAKES (COMPLETE)

Part Number	Type	Company	Unit Type	Length	Note	Figure
OBI22424C	24/24	OBI	Sealed	Universal	1	 For Reference Only 1. With clevis & disabling tool 2. With disabling tool only 3. Tamper Resistant Design
ANC2424001	24/24	Anchorlok	Clamped	Universal	2	
OBI22430C	24/30	OBI	Sealed	Universal	1	
ANC164472	30/30	Anchorlok	Sealed	6.5"	1	
ANC165388	30/30	Anchorlok	Sealed	Universal	1	
ANC53030001	30/30	Anchorlok	Sealed	Universal	2	
ANC53030017	30/30	Anchorlok	Sealed	Universal	2	
FRUACF2662-PR4	30/30	Pro-Par	Sealed	Universal	1	
FRUACF2662-4	30/30	Pro-Par	Sealed	Universal	1	
MGM3430051X	30/30	MGM	Clamped	8-1/4"	2	
MGM3430372	30/30	MGM	Sealed	5-5/8"	2	
MGM3831051X	30/30	MGM	Clamped	Universal	3	
MID15443	30/30	Midland	Clamped	Universal	1	
OBI23030C	30/30	OBI	Sealed	Universal	1	
OBI23030C-MTR01-01	30/30	OBI	Sealed	6-1/2"	1	
RNGBTS-3030	30/30	Ranger	Sealed	Universal	2	
TSE3030T-OMNI-304	30/30	TSE	Sealed	Universal	2	
TSE3030T-OMNI-C	30/30	TSE	Sealed	Universal	1	
TSE3030T-OMNI-308	30/30	TSE	Sealed	Universal	1	
TSE3030T-PC-301	30/30	TSE	Sealed	Universal	1	

10.4.4: AIR CHAMBER DIAPHRAGMS

Part Number	Type	Diameter	Figure
OBID09000	9	5-1/32"	
AIRBD9	9	5-1/32"	
OBID12000	12	5-15/32"	
AIRBD12	12	5-15/32"	
OBID16000	16	6-5/32"	
AIRBD16	16	6-5/32"	
OBID20000	20	6-17/32"	
AIRBD29	20	6-17/32"	
OBID24000	24	7"	
AIRBD24	24	7"	
OBID30000	30	7-27/32"	
AIRBD30	30	7-27/32"	
MTRT30	30	7-27/32"	
OBID36000	36	8-5/16"	
AIRBD36	36	8-5/16"	

10.4.5: MISCELLANEOUS AIR CHAMBER ACCESSORIES

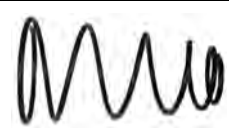
10.4.5.1: BRAKE CHAMBER PUSH RODS

Part Number	Chamber Type	Length	Figure
MIDKN36161	16	9.52"	
MIDKN36241	24	10.23"	
MIDKN36301	30	10.34"	
ANC3093038	30	12-1/2"	

10.4.5.2: CLEVIS & ACCESSORIES

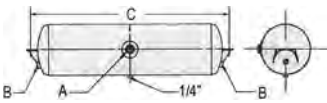
 1. GUNAS-3000 Clevis kit 2. GUNAS-4004 3 sets of each clevis pin w/ cotter pin		 1. MTR1245N1028 1/2" Clevis 2. MTRR801713 5/8" Clevis		 1. MIDKN36450 1/2" kit A = 2.50" 2. ANC9999044 1/2" kit A = 2.25" 3. MIDKN36490 1/2" kit A = 1.81" 4. MIDKN36470 1/2" kit A = 1.88" 5. MIDKN36480 5/8" kit A = 1.88"	
 1. MID19105 1/2" Clevis kit		 1. PIN2-1 1/2" Clevis & cotter pin 2. MID19102 5/8" Clevis & cotter pin		 1. MTRR801732 1/2" Clevis pin 2. MID19100 1/2" Clevis pin 3. PIN1-1 .12" x 1" Cotter pin	

10.4.5.3: MISCELLANEOUS AIR CHAMBER ACCESSORIES

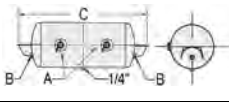
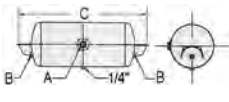
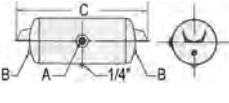
 Type 16 1. ANC1664005 Clamp assembly		 Type 30 1. ANC3064004 Clamp assembly 2. TRA53430 Clamp assembly 3. MGM8216045 Clamp assembly		 Fits type 20, 24, 30, & 36 chambers 1. MID19104 Dust boot cover w/plate	
 1. MID10043 Caging tool		 1. 11M012 Caging tool plug		 1. ANC999916 Tether plug	
 1. MIDKN36302 Type 30 cover		 1. MIDKN36303 Type 30 housing		 1. MIDKN36304 Type 30 return spring	

10.5 Air Reservoir Tanks

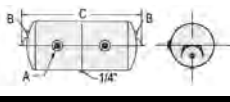
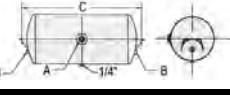
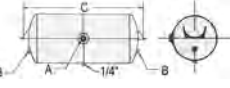
10.5.1: 8" DIA. 1425 CUBIC INCH CAPACITY AIR TANKS

Part Number	A	B	C	Figure
HOS8000	3/4" NPTF	3/8" NPTF	32"	
HOS0829	None	3/8" NPTF	32"	

10.5.2: 9-1/2" DIA. 1488 CUBIC INCH CAPACITY AIR TANKS

Part Number	A	B	C	Figure
HOSHT-95161**	3/4" NPTF	3/8" NPTF	27-1/2"	
HOS9500	3/4" NPTF	3/8" NPTF	27-1/2"	
HOS9508*	3/4" NPTF	3/8" NPTF	27-1/2"	
HOS9522*	1/2" NPTF	1/2" NPTF	27-1/2"	
FRUACE5939-6	1/2" NPTF	3/8" NPTF	27-1/2"	
HOS9534*	3/4" NPTF	3/8" NPTF	27-1/2"	
HOS9537*	3/4" NPTF	1/2" NPTF	27-1/2"	
* tank has an additional main port on the other side, opposite the one shown.				
** tank has an additional main port on the other side, in the middle of the ones shown.				

10.5.3: 12" DIA. 2800 CUBIC INCH CAPACITY AIR TANKS

Part Number	A	B	C	Figure
HOS1254**	3/4" NPTF	3/8" NPTF	29.5"	
HOS1200	3/4" NPTF	3/8" NPTF	29.5"	
FRUAVA0133-1	3/4" NPTF	1/2" NPTF	29.5"	
HOS1242*	3/4" NPTF	3/8" NPTF	29.5"	
* tank has an additional main port on the other side, opposite the one shown.				
** tank has an additional main port on the other side, in the middle of the ones shown.				

10.5.4: AIR TANK DRAIN VALVES & DRAIN COCKS

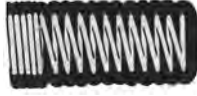
Manual Drain Valves	Drain Cock	Drain Cock	1/2" Shut Off
			
1. MID12103 3' Cable 2. MID12104 4' Cable 3. TRA35002-048 4' Cable 4. MID12105 5' Cable 5. TRA35013 5' Universal 6. SLO401046 5' Cable	1. FRU534434	1. MIDN-1691	1. FRUACB3627

10.6 Fittings & Clips

10.6.1: FRAME FITTINGS

 1. FRUACC3600-1 3/8" Copper 2. FRUACC3600-2 3/8" Nylon	 1. TRA50009 3/8" Nylon	 1. FRUACE6225-1 1/2" Nylon
 1. FRUACE6251-1 3/8" tubing 2. FRUACE6251-2 1/2" tubing	 1. FRUACB8786-1 2. HEB207ACBH-6/HB607 3. MID11304	 1. HEBN11246(HB646) 2. MID11306
 1. MID11312 Angle		

10.6.2: RUBBER AIR HOSE FITTINGS

Hose Nut  1. COR368-64 1/4" 2. MID11903 1/2" 3. FRU535305 1/4" 4. COR368-66 3/8" 5. MID11904 3/8" 6. COR368-68 1/2"	Hose Nut with Spring  1. COR378-64 1/4" 2. FRU535309 1/4" 3. MID11900 1/4" 4. COR378-66 3/8" 5. MID11901 3/8" 6. TRA31408 3/8" 7. COR378-68 1/2" 8. FRU535308 1/2"	Hose Sleeve  1. COR367-6 3/8" 2. MID11912 3/8"
Hose Union  1. MID11913 3/8"	Spring Guard  1. MID11911	 1. TRA31402 3/8" tubing 2. TRA31403 1/2" tubing

10.6.3: STANDARD COMPRESSION FITTINGS

Brass Insert 			Long Nut 		
1. CORP61-4	OD Tube	1/4"	1. FIT19-1	OD Tube	3/8"
2. CORP61-6		3/8"			
3. FITFSP012-31001		3/8"			
4. CORP61-8		1/2"			
Male Connector 			Male Elbow 		
2. FITFSP012-30007	OD Tube	3/8"	1. WEA1469X6X6	OD Tube	3/8"
3. FITFSP012-30005		1/2"	2. FITFSP012-32006		3/8"
4. FIT1468X6X6		3/8"	3. FITFSP012-32007		1/2"

10.6.4: PIPE FITTINGS

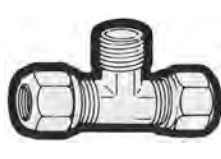
Long Nipple 			Close Nipple 		
1. FIT16-1	Pipe Thread	1/2" x 2-1/4"	1. FIT17-1	Pipe Thread	1/4"
			2. FIT17-2		3/8"
Square Head Plug 			Reducing Adaptor 		
1. COR109-4	Pipe Thread	1/4"	1. FITFSP012-18002	A Pipe Thread	3/8"
2. FIT1-1		1/4"	2. FITFSP012-18003		x 1/4"
3. COR109-6		3/8"	3. FITFSP012-18004		x 3/8"
4. FIT1-2		3/8"	4. WEA3200X6		x 3/8"
5. COR109-8		1/2"	5. WEA3200x6X4		x 1/4"
6. FIT1-3		1/2"			
90 Degree Street Elbow 					
1. FITFSP012-12001	Male Thread	1/4"			
2. FITFSP012-12003		3/4"			
3. HEBH3400X6		3/8"			

10.6.5: COPPER TUBING COMPRESSION FITTINGS

(Can be used with nylon tubing as long as inserts are used)

Sleeve 	Nut 	Hex Nipple 
1. FIT20-2 2. FIT39750983 3. FIT39750984 4. FIT39750985 OD Tube 3/8" 1/4" 3/8" 1/2"	1. CORB161-6 2. CORB161-8 OD Tube 3/8" 1/4"	1. WEA3325X6X4 A NPT B NPT 1/4" 3/8"
Tee-Three Tube End 	Union 	Male Connector 
1. FITFSP012-09002 OD Tube 3/8"	1. CORB162-4 2. CORB162-6 3. FITFSP012-04001 4. CORB162-8 OD Tube 1/4" 3/8" 3/8" 1/2"	1. FITFSP012-05001 2. PAR68NTA-6-2 3. CORB168-64 4. WEA1468X6 5. FITFSP012-05002 6. CORB168-66 7. CORB168-68 8. FITFSP012-05003 9. WEA1468X6X6 10. PAR68NTA-6-6 11. CORB168-84 12. CORB168-86 13. CORB168-88 OD Tube Pipe Thread 1/4" 1/8" 3/8" 1/8" 3/8" 1/4" 3/8" 1/4" 3/8" 1/4" 3/8" 3/8" 3/8" 1/2" 3/8" 3/8" 3/8" 3/8" 1/2" 1/4" 1/2" 3/8" 1/2" 3/8"
Female Connector 	Male Elbow 	
1. WEA1466X8 OD Tube Pipe Thread 1/2" 3/8"	1. PAR269NTA-6-4 2. CORB169-66 3. CORB169-68 4. CORB169-84 5. PAR269NTA-8-4 6. CORB169-86 7. CORB169-88 8. PAR269NTA-8-8 OD Tube Pipe Thread 3/8" 1/4" 3/8" 3/8" 3/8" 1/2" 1/2" 1/4" 1/2" 1/4" 1/2" 3/8" 1/2" 1/2" 1/2" 1/2"	

10.6.6: NYLON TUBING FITTINGS

Sleeve  1. FIT29-3 2. PAR60NTA-6 OD Tube 1/2" 3/8"	Insert  1. FIT31-3 OD Tube 1/2"	Nut  1. FIT28-2 2. FIT28-3 OD Tube 3/8" 1/2"
Tee-Three Tube End  1. FITFSP012-33002 2. FITFSP012-33001 3. FITFSP012-33003 OD Tube 1/4" 3/8" 1/2"	Tee-Pipe on Run  1. WEA1471X6 2. WEA1471X6X6X6 OD Tube 3/8" 3/8" Pipe Thread 1/4" 3/8"	Tee-Pipe on Branch  1. WEA1472X6 2. WEA1472X6X6X2 3. WEA1472X6X6X6 4. WEA1472X8 OD Tube 3/8" 3/8" 3/8" 1/2" Pipe Thread 1/4" 1/2" 3/8" 1/4"
Union  1. WEA1462X6 2. WEA1462X8 OD Tube 1/4" 1/2"	Male Connector  1. WEA1468X4X4 2. WEA1468X6 3. WEA1468X6X6 4. WEA1468X8X4 5. WEA1468X8X8 OD Tube 1/4" 3/8" 3/8" 1/2" 1/2" Pipe Thread 1/4" 1/4" 3/8" 1/4" 1/2"	Female Connector  1. FITFSP012-41001 OD Tube 1/4" Pipe Thread 1/4"
Male Elbow  1. WEA1469X4X4 2. FITFSP012-11002 OD Tube 1/4" 3/8" Pipe Thread 1/4" 1/4"	45° Male Elbow  3. WEA1480X6X6 4. WEA1480X8 OD Tube 3/8" 1/2" Pipe Thread 3/8" 3/8"	45° Male Elbow  1. WEA3350X6 A NPT 1/2" B NPT 1/2"

10.6.7: TUBE CLIPS

Heavy Duty Steel/Vinyl Closed Clip 	Aluminum Clip 	Steel Clip 
1. CLP1-9 1/8" 2. CLP1-1 1/4" 3. CLP1-4 1/2" 4. CLP1-5 5/8" 5. CLP1-8 1"	1. CLP3-1 3/8" 2. CLP3-2 1/2" 3. CLP3-3 5/8"	1. CLP4-1 3/8" 2. CLP4-2 1/2"
Nylon/Vinyl Closed Clip 	Jiffy Tube Clamp 	Protected Tube Clamp 
1. CLP5-1 1/4" 2. CLP5-2 3/8"	1. MID11103 1/2"	1. MID11122 3/8" 2. MID11123 1/2"

10.7 Air Valves

10.7.1: WABASH REPLACEMENT AIR VALVES

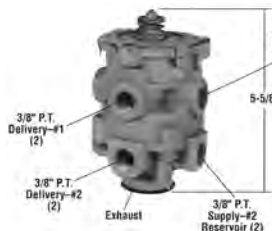
R-12 Valve (used with ABS/MBS-1)  1. WAB12900570	R-12 P Valve  1. WAB12900305	RE-6 Valve  1. WAB12900002
SR-2 Valve  1. WAB12900005 2. WAB12900296	SR-5 Valve  1. WAB12900243	RE-6NC Valve  1. WAB12900286
R-14 Valve  1. WAB12900006	R-8 P Valve  1. WAB12900022	DC-4 Valve (Double Check)  1. WAB12900013
PR-4 Valve (Pressure Protection)  1. WAB12900021	PR-3 Valve (Pressure Protection)  1. WAB12900031	SC-1 Valve (Single Check)  1. WAB12900083 A = 1/2" B = 1/2" 2. WAB12900095 A = 1/4" B = 1/8"



10.7.2: BENDIX REPLACEMENT AIR VALVES & ACCESSORIES



Dual Brake Valve



1. BEN229216
2. MTR286171

QR-1 Quick Release Valve



1. BEN229859

R-12 Relay Valve with



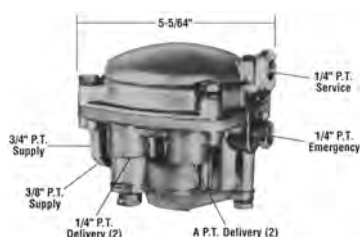
- | | |
|----------------|------|
| Vertical ports | A |
| 1. BEN102626 | 1/2" |
| 2. MTR065104 | 3/8" |
| 3. MTR102626 | 1/2" |

R-12 Relay Valve



1. BEN103009
- Horizontal ports

RE-6 Relay Emergency Valve



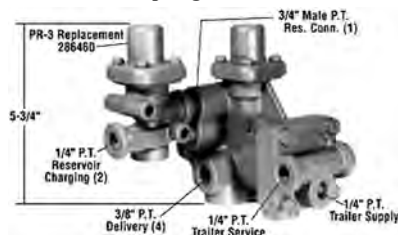
1. BEN281865

SR-5 Anti-Compounding Spring Brake Valve



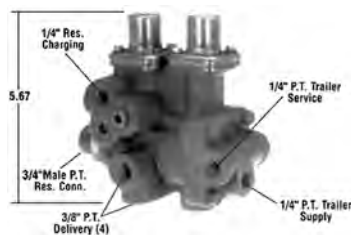
1. BEN065439
 2. BENSRS5
- A = 1/2"
A = 3/4"

SR-4 Spring Brake Valve



1. BEN101112

SR-4 Spring Brake Valve (New Style)



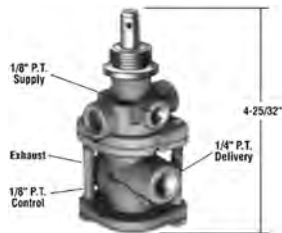
1. BEN107539

PP-1 Control Valve



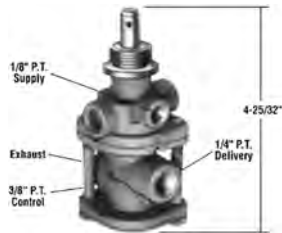
1. BEN276566
 2. BEN276567
- 20 PSI
40 PSI

PP-7 Trailer Supply Valve



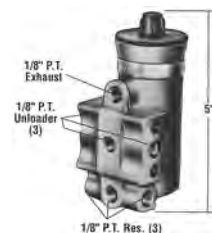
1. BEN288239
- Exhaust port not threaded

PP-7 Trailer Supply Valve



1. BEN106113
 2. MTR288239
- Exhaust port threaded

D-2 Governor



1. BENOR275491
 2. BEN275491X
 3. BEN284358
 4. MTR275491
- Rebuilt
Hi-Temp

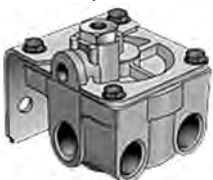
Haldex
**10.7.3: HALDEX (MIDLAND) REPLACEMENT AIR VALVES
& ACCESSORIES**
Haldex

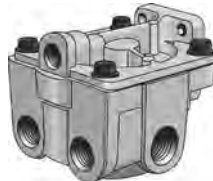
Part Number	MTR Part Number	Supply	Delivery	Reservoir	Crack Pressure	Figure
MIDKN28500	MTRKN28500	2—3/8"	2—3/8"	1—1/4"	5.5 ± 1 PSI	 RG-2 Relay Valve
MIDKN28510	MTRKN28510	1—1/2" 1—3/8"	2—3/8"	1—1/4"	5.5 ± 1 PSI	
MIDKN28520	MTRKN28520	2—1/2"	2—1/2"	1—1/4"	5.5 ± 1 PSI	
MIDKN28531		1—3/8" 1—1/2"	2—3/8"	1—1/4"	5.5 ± 1 PSI	

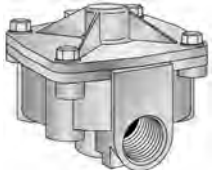
Part Number	Supply	Delivery	Control	Crack Pressure	Figure
MIDKN28550	1—1/2" 1—plugged	2—3/8"	1—1/4"	5.5 ± 1 PSI	 RG-5 Relay Valve

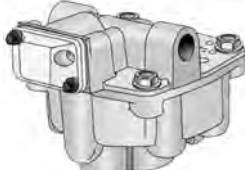
Part Number	Supply	Delivery	Reservoir	Crack Pressure	Figure
MIDKN28600	1—1/4"	4—3/8"	1—3/4"	3 PSI	 FF2 Full Function Valve
MIDKN28601	1—1/4"	4—3/8"	1—1/2"	3 PSI	

Part Number	Supply	Delivery	Control	Reservoir	Closing Pressure	Figure
MIDKN26000	2—3/8"	4—3/8"	1—3/8"	1—1/2" 1—3/8"	55 PSI	 RT-4 Spring Brake Valve
MIDKN26020	1—3/8" 1—plugged	4—3/8"	1—3/8"	1—1/2" 1—3/8"	70 PSI	

Part Number	Supply	Delivery	Control	Crack Pressure	Figure
MIDKN28140	1—1/2"	2—1/2"	1—1/4" 1—1/8"	4.0 ± 1 PSI	 Relay Valve
MIDKN28071	1—1/2"	2—1/2"	2—1/4"	4.0 ± 1 PSI	

Part Number	Supply	Delivery	Control	Crack Pressure	Figure
MIDKN28131	2—1/2"	2—1/2"	2—1/4"	4.0 ± 1 PSI	
MIDKN28300	2—1/2"	2—1/2"	1—3/8" 1—plugged	0	
MIDKN28060	2—1/2"	2—3/8"	1—3/8" 1—plugged	4.6 ± 1.5 PSI	

Part Number	Supply	Delivery	Control	Crack Pressure	Figure
MIDA103600	1—3/4"	4—3/8"	1/4"	3.0 ± 1 PSI	

Part Number	Supply	Delivery	Reservoir	Emergency	Crack Pressure	Figure
MIDKN30200	1—3/8"	4—3/8"	1—3/4"	1—3/8"	4.5 ± 1 PSI	
MIDKN30300	1—1/4"	4—1/4"	1—3/4"	1—1/4"	4.5 ± 1 PSI	
MIDKN30400	1—1/4"	4—3/8"	1—3/4"	1—1/4"	4.5 ± 1 PSI	

Lever Control Valve



1. MIDKN20001

One-way Check Valve



	A	B
1. MIDKN23000	1/2"	1/2"
2. MIDKN23010	3/8"	3/8"

Quick Release Valve



	Inlet	Outlet
1. MIDKN32011	1/2"	3/8"
2. MIDKN32060	3/8"	3/8"

Piston Type Governor



1. MIDKN18530 1/8" ports

Push-Pull Parking
Emergency/Brake Valve



1. MIDKN20021 1/8" ports

Push-Pull Trailer Air Supply Valve



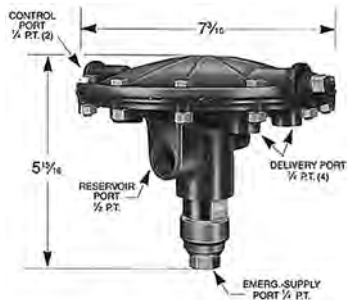
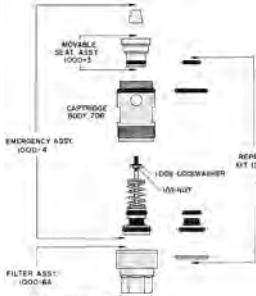
1. MIDKN20025
Supply & Control 1/8" ports
Emergency & Delivery 1/4" ports

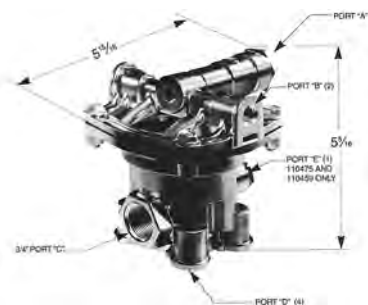
Push-Pull Panel Mount Valve 	Knob Kit for Pin Type Push-Pull Valve 	Knob Kit for Pin Type Push-Pull Valve 
1. MIDKN20031 1/4" ports	1. MIDKN20900	1. MIDKN20901
Knob Kit for Pin Type Push-Pull Valve 	Pressure Protection Valve with One-Way Check 	Pressure Protection Valve with One-Way Check 
1. MIDKN20903	1. MIDKN31000 Open PSI Closed PSI 65 45	1. MIDKN31170 50 PSI 2. MIDKN31171 75 PSI



**10.7.4: SEALCO REPLACEMENT
AIR VALVES & ACCESSORIES**



Relay Emergency Valve "Quick Fix"  Cracking pressure 1.5	Relay Emergency Repair Cartridge 
1. SEAA-1000-S	1. SEA1000-5A 2. SEA10-5 Complete assembly Seal repair kit only

Charging Relay Emergency Valve


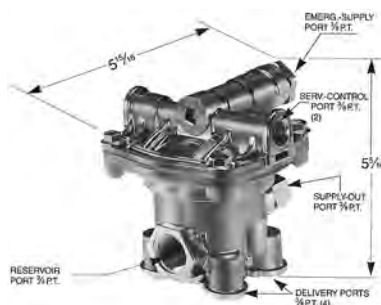
Cracking pressure 4.5

	A	B	Ratio	
1. SEA110200	1/4" NPT	1/4" NPT	Yes	
2. SEA110205	3/8" NPT	3/8" NPT	Yes	
3. SEA110470	3/8" NPT	3/8" NPT	No	

Service Relay Valve


Cracking pressure 4.5

1. SEA110139	Has ratio feature
2. SEA110450	No ratio feature

Non-charging Relay Emergency Valve


Cracking pressure 4.5

1. SEA110338	Used on convert dollies, turntable axles, and air lift axles
--------------	--

Plug Unit (repair)

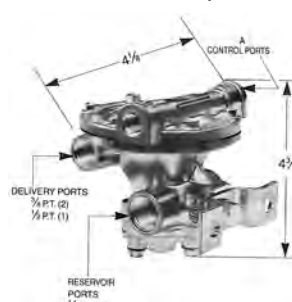
 used on: 110139, 110200, 110205
 110338, 110450, 110470

1. SEA110143

4-Port Service Relay Valve


Cracking Pressure

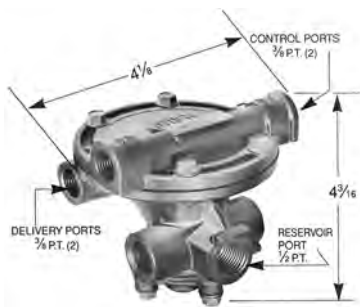
1. SEA110380	1.5
2. SEA110415	4.0

3-Port Service Relay Valve


Cracking Pressure 5.5

1. SEA9125	A = 2-1/4"
2. SEA110207	A = 2-3/8"
3. SEA9125-5	Plug unit

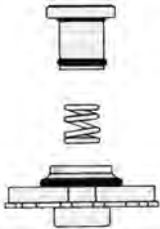
2-Port Service Relay Valve



Cracking pressure 4.0

- | | |
|--------------|------------------|
| 1. SEA110197 | No nipple |
| 2. SEA110198 | Includes SEA6002 |

Plug Unit (repair)



used on: 11017 & 110198

- | | |
|--------------|-----------|
| 1. SEA110227 | Plug Unit |
|--------------|-----------|

2-Port Service Relay Valve



Checking pressure 4.5

- | | | |
|--------------|-------------------|-----|
| 1. SEA110360 | Cracking Pressure | 1.5 |
| 2. SEA110365 | With Bracket | 1.5 |
| 3. SEA110410 | | 4.0 |

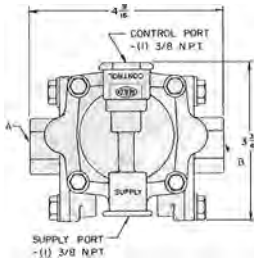
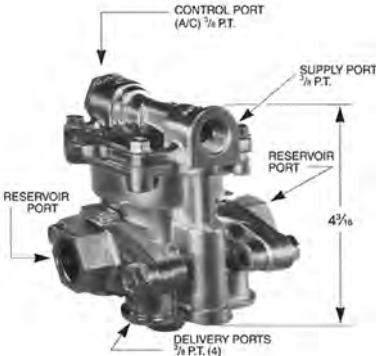
Control Line Valve



Cracking pressure 0.0

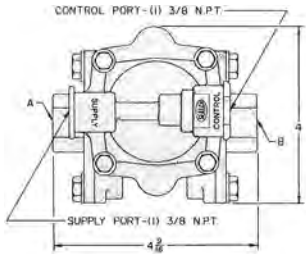
- | | |
|--------------|-------------|
| 1. SEA110570 | Frame mount |
|--------------|-------------|

Spring Brake Control Valve



Replaces: 110180, 110190, 111170, 111180, 111190, 112170, 112180, 112190, & B.F.G. 1659-8

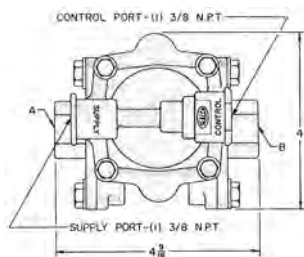
- | | | |
|--------------|----------|----------|
| | A | B |
| 1. SEA110170 | 1/2" NPT | 1/2" NPT |



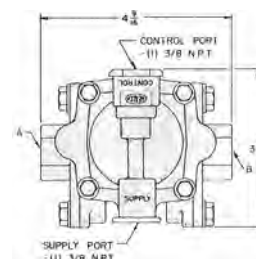
Replaces: 110230, 110305, 111171, 111230, 111305, 112171, 112230, & 112305

- | | | |
|--------------|----------|----------|
| | A | B |
| 1. SEA110171 | 1/2" NPT | 3/8" NPT |

Plug Unit (repair)



Replaces: 110192, 110193, 111191, 111192, 111193, 112191, 112192, & 112193



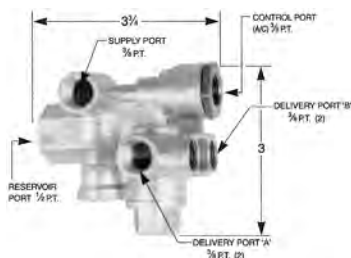
Replaces: 110316 & 110317

- SEA110165
- SEA110175 Pre-10-92 trailers

- | | A | B |
|--------------|----------|----------|
| 1. SEA110191 | 3/8" NPT | 1/2" NPT |

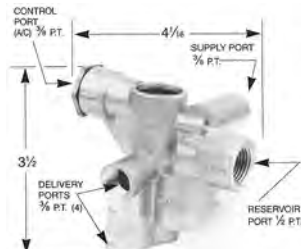
- | | A | B |
|--------------|----------|----------|
| 1. SEA110315 | 1/2" NPT | 3/8" NPT |

Spring Break Control Valve



- SEA110500

Service Reservoir Priority System



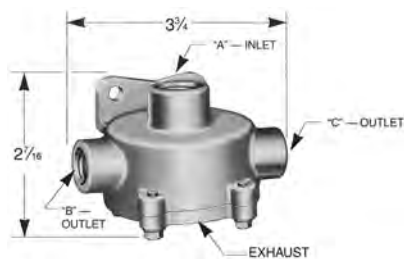
- SEA110700

Spring Break Control Valve (early version)



- SEA110147
- SEA110143 Plug unit

Quick Release Valves



- | | A | B | C | Cracking Pressure |
|-----------------|------|------|------|-------------------|
| 1. SEA2000D-3/8 | 3/8" | 1/4" | 1/4" | 0-1 |
| 2. SEA2000D-1/2 | 1/2" | 3/8" | 3/8" | 0-1 |
| 3. SEA200000 | 1/4" | 1/4" | 1/4" | 0-1 |
| 4. SEA200001 | 3/8" | 3/8" | 3/8" | 0-1 |

Line Filter



- SEA2550

Spring Brake Exhaust Valve



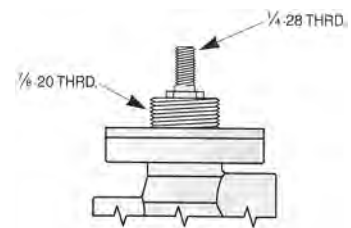
- | | |
|--------------|-----------|
| 1. SEA7800 | 1/4" NPT |
| 2. SEA780210 | 3/8" NPTs |

Pressure Protection Valve



- | | | |
|--------------|-----------|-----------|
| 1. SEA110257 | open | close |
| 2. SEA110258 | 75 P.S.I. | 70 P.S.I. |
| | 95 P.S.I. | 90 P.S.I. |

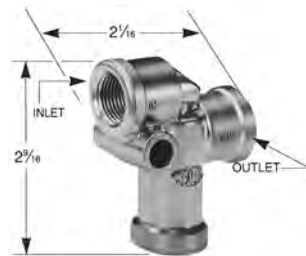
Hand Control Valve



with black plastic knob

- | | |
|--------------|-----------------------|
| 1. SEA110512 | Parking brake release |
|--------------|-----------------------|

Pressure Protection Valve



Pressure Protection Valve

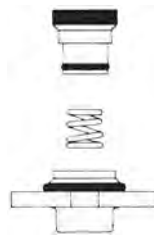
	Port size	Open P.S.I.	Closed P.S.I.
1. SEA140200	3/8"	60	50
2. SEA140270	3/8"	70	60
3. SEA140280	3/8"	80	70
4. SEA140290	3/8"	90	80
5. SEA140370	1/4"	70	60

Single Circuit Foot Valve



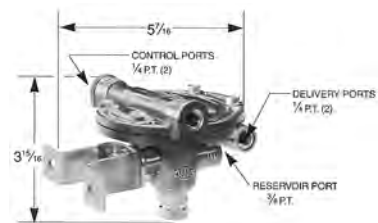
- | | |
|--------------|-------------|
| 1. SEA6125 | As pictured |
| 2. SEA6125-2 | No treadle |

Plug Unit (repair)



- | |
|--------------|
| 1. SEA6125-5 |
|--------------|

Mini-Valve



Cracking pressure 2.5

- | |
|------------|
| 1. SEA3100 |
|------------|

Plug Unit (repair)



- | |
|--------------|
| 1. SEA3100-5 |
|--------------|

One-Way Check Valve

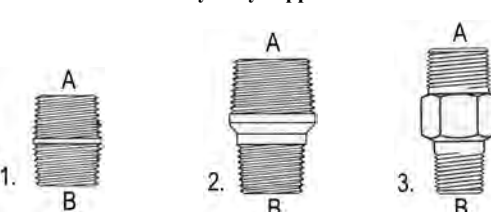


- | | |
|------------------|------------|
| 1. SEAL10200-1/2 | 1/2" ports |
|------------------|------------|

One-Way Check Valve



- | | |
|----------------|------------|
| 1. SEA2200-1/2 | 1/2" ports |
|----------------|------------|

Two-Way Check Valve  1. SEA320100	Lever Control Valve  1. SEA21600 2. SEA21600-2 w/out face plate	Seat  1. SEA501T												
Diaphragm  1. SEA503	Heavy Duty Nipples  <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>1. SEA6002</td> <td>1/2" NPT</td> <td>1/2" NPT</td> </tr> <tr> <td>2. SEA6003</td> <td>3/4" NPT</td> <td>1/2" NPT</td> </tr> <tr> <td>3. SEA616</td> <td>3/4" NPT</td> <td>1/2" NPT</td> </tr> </tbody> </table>			A	B	1. SEA6002	1/2" NPT	1/2" NPT	2. SEA6003	3/4" NPT	1/2" NPT	3. SEA616	3/4" NPT	1/2" NPT
	A	B												
1. SEA6002	1/2" NPT	1/2" NPT												
2. SEA6003	3/4" NPT	1/2" NPT												
3. SEA616	3/4" NPT	1/2" NPT												

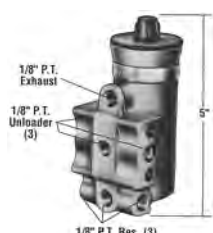
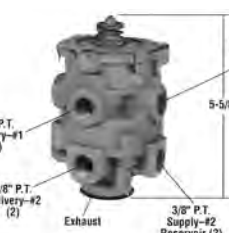
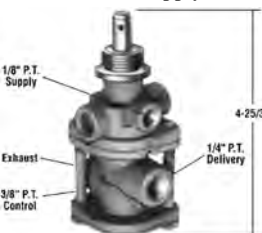
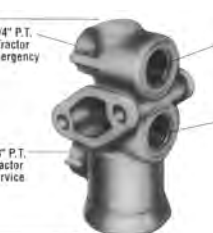
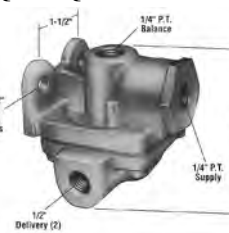
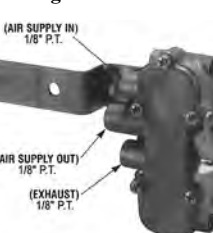
TRAMEC

10.7.5: TRAMEC REPLACEMENT AIR VALVES AND ACCESSORIES

TRAMEC

Quick Release Valve  Cracking pressure 0.0 1. TRA51107	Quick Release Valve for Air Ride Axles  Cracking pressure 0.0 1. TRA51143	In-Line Quick Release Valve  1. TRA51152 1/2" tube input
Trailer Emergency Valve (TEV)  1. TRA51301	4 Port Relay Valve  Cracking pressure 4.0 1. TRA51444	

10.7.6: MARTEC REPLACEMENT AIR VALVES

R-12 Relay Valve with Bracket  Vertical ports 1. MTR065104 3/8" 2. MTR102626 1/2" 3. BEN102626 1/2"	D-2 Governor  1. MTR275491 2. BEN275491 3. BEN275491X 4. BEN284358 Rebuilt Hi-Temp	E-6 Dual Brake Valve  1. MTR286171 2. BEN229216
PP-7 Trailer Supply Valve  1. MTR288239 Exhaust port threaded 2. BEN106113	TP-3 Tractor Protection Valve  1. MTR279000	QR-1C Quick Release Valve  1. MTR289714
A-3546 Transmission Range Valve  1. MTRA3546	Controlled Response Height Control Valve  1. MTR90054007 1/4" tubing 2. NEW900-54-007 1/4" tubing 3. NEW905-54-183 3/8" tubing	

MTR Part Number	Midland Part Number	Supply	Delivery	Reservoir	Crack Pressure	Figure
MTRKN28500	MIDKN28500	2—3/8"	2—3/8"	1—1/4"	5.5 ± 1 PSI	
MTRKN28510	MIDKN28510	1—1/2" 1—3/8"	2—3/8"	1—1/4"	5.5 ± 1 PSI	
MTRKN28520	MIDKN28520	2—1/2"	2—1/2"	1—1/4"	5.5 ± 1 PSI	
	MIDKN28531	1—3/8" 1—1/2"	2—3/8"	1—1/4"	5.5 ± 1 PSI	

10.8 Air Ride Height Control Valves



10.8.1: NEWAY AIR RIDE HEIGHT CONTROL REPLACEMENT VALVES



- | | |
|------------------|-------------|
| 1. NEW900-54-007 | 1/4" tubing |
| 2. MTR90054007 | 1/4" tubing |
| 3. NEW905-54-183 | 3/8" tubing |



1. NEW905-54-241



1. NEW905-54-271



Universal Kit



- | | |
|----------------|---------------|
| 1. HADH00450CE | Universal kit |
|----------------|---------------|

Intergal Dump Port



1. HADH00500C



Intergal Dump Valve



1. HADH00500CA

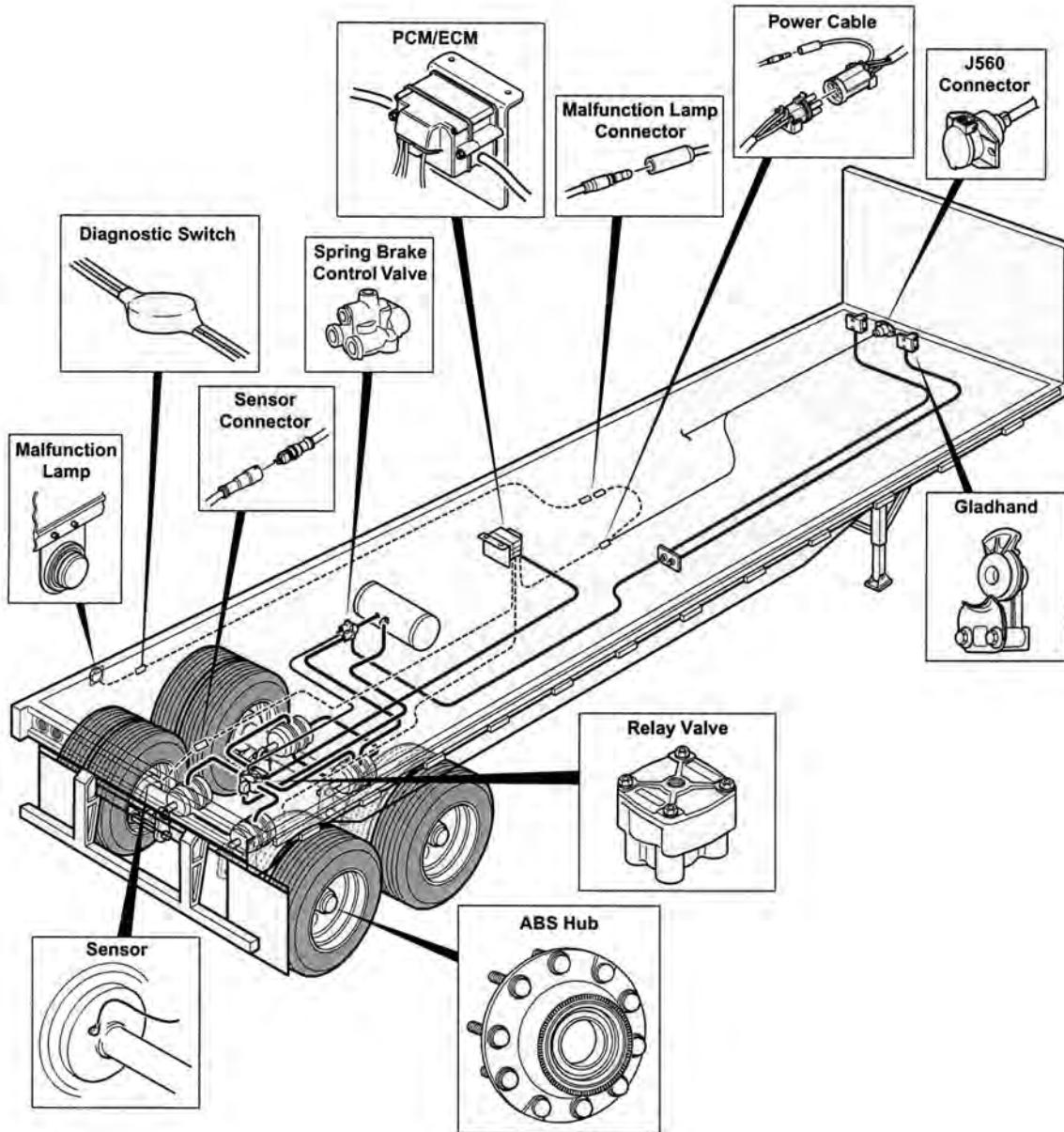
10.8.3: MISCELLANEOUS AIR RIDE HEIGHT CONTROL
REPLACEMENT VALVES & LINKAGE KITS

Hadley Universal Linkage Kit  hadley 1. HADHPB450-3	Haldex Air Leveling Valve W/ Linkage  Haldex 1. MIDKN27000	Ridewell Air Height Control Valve  RDW 1. RDW6240604
Ridewell Air Height Control Valve  RDW 1. RDW6240604		

10.9 ABS Systems

10.9.1: WABASH ABS SYSTEMS

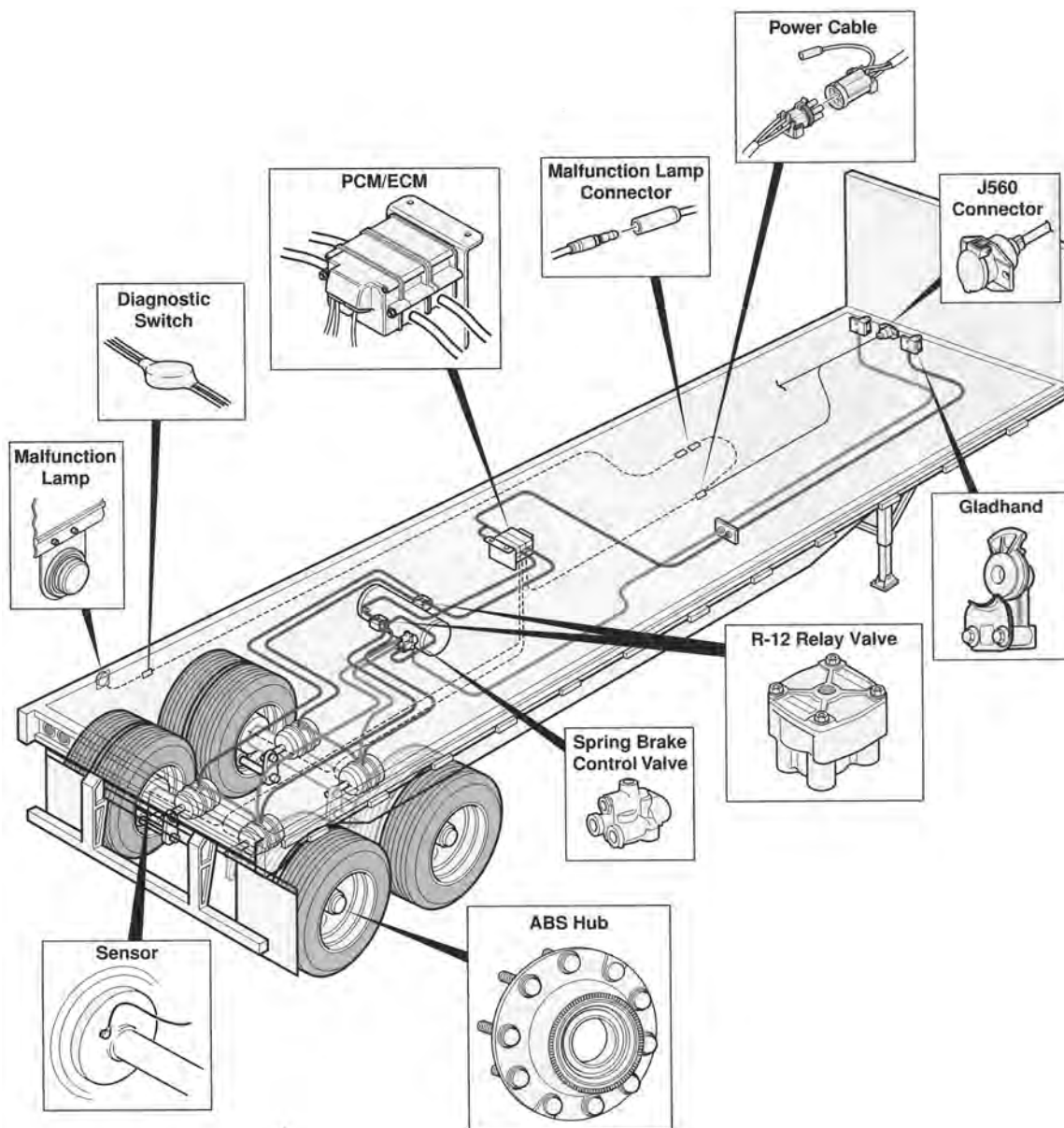
10.9.1.1: WABASH MBS-1 (PROMBS1-1)



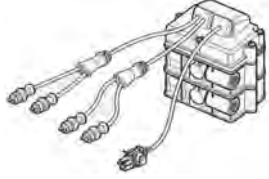
Wabash's MBS-1 & MBS-2 systems includes unique ABS components as well as interfacing with standard trailer components

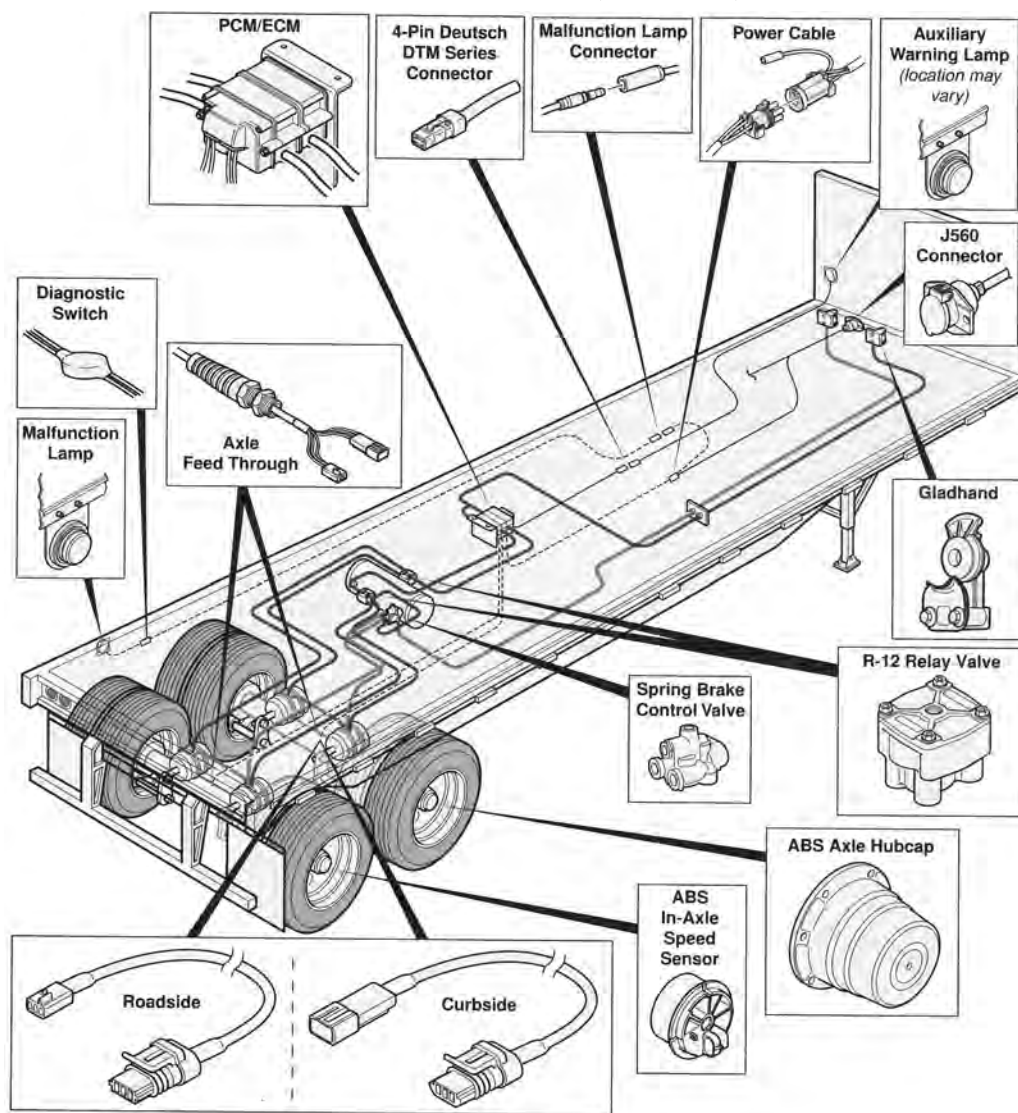
Part Number	Description	Quantity required	Figure
WAB10800260 for reference only replaced by WAB10800313	MBS-1 MBS1-P	1 1	
WAB12S00475	MBS-1 Mounting Bracket (optional)	1	
BLT00650 NUT00007 WSH00010	Bolt Nut Washer	2 2 2	
MIDAL10271914	ABS Sensor	2	
MIDA59512309	ABS Sensor Clip	2	
WAB14401359	ABS Wiring Harness	1	
WAB14401744	ABS Malfunction Lamp Harness w/Diagnostic Switch	1	
20TL30275Y	Yellow ABS Malfunction Lamp	1	
20TL30702	Closed Back Malfunction Lamp Grommet	1	
WAB14A00054	Straight Malfunction Lamp Mounting Bracket	1	
WAB14A00050	90 degree Malfunction Lamp Mounting Bracket	1	
WAB12900570	Relay Valve	1	
WAB25000978	Flash Code Label	1	

10.9.1.2: WABASH MBS-1P (PROMBS1-2)



The Wabash MBS-1P enhances the original MBS-1 system by adding Power Line Carrier (PLC) and expanding the number of configuration options.

Part Number	Description	Quantity required	Figure
WAB10800314 WAB10800313	Short 2S-1M Power Cable Long 2S-1M Power Cable	1	
WAB10800357 WAB10800358	Short 2S-2M Power Cable Long 2S-2M Power Cable	1	
WAB10800362 WAB10800353	Short 4S-1M Power Cable Long 4S-1M Power Cable	1	
WAB10800359 WAB10800360	Short 4S-2M Power Cable Long 4S-2M Axle By Axle	1	
WAB10800361 WAB10800349	Short 4S-2M Power Cable Long 4S-2M Side By Side	1	
WAB12S00475	MBS-1 Mounting Bracket (optional)	1	
BLT00650 BLT00732 NUT00007 WSH00010	Bolt (3-1/2" 1M system) Bolt (5-1/2" 2M system) Nut Washer	2 2 2 2	
WAB10800225 WAB10800123 WAB10800068	Bosh ABS Sensor Wabco ABS Sensor Midland ABS Sensor	2	
WAB10800226 WAB10800009 WAB10800069	Bosh ABS Sensor Clip Wabco ABS Sensor Clip Midland ABS Sensor Clip	2	
WAB14401359	ABS Wiring Harness	1	
WAB14401744	ABS Malfunction Lamp Harness w/Diagnostic Switch	1	
20TL30275Y	Yellow ABS Malfunction Lamp	1	
20TL30702	Closed Back Malfunction Lamp Grommet	1	
WAB14A00054	Straight Malfunction Lamp Mounting Bracket	1	
WAB14A00050	90 degree Malfunction Lamp Mounting Bracket	1	
WAB12900570	Relay Valve	1	
WAB25000945	Flash Code Label	1	

10.9.1.3: WABASH MBS-2 (PROMBS2-1)


Part Number	Description	Quantity required	Figure
WAB10800316 WAB10800317	Short 2S-1M w/168" Power Cable Long 2S-1M w/30" Power Cable	1	
WAB10800318 WAB10800319	Short 2S-2M w/168" Power Cable Long 2S-2M w/30" Power Cable	1	
WAB10800320 WAB10800321	Short 4S-1M w/168" Power Cable Long 4S-1M w/30" Power Cable	1	
WAB10800315 WAB10800324	Short 4S-2M w/168" Power Cable Long 4S-2M w/30" PC (Axle By Axle)	1	
WAB10800322 WAB10800323	Short 4S-2M w/168" Power Cable Long 4S-2M w/30" PC (Side By Side)	1	

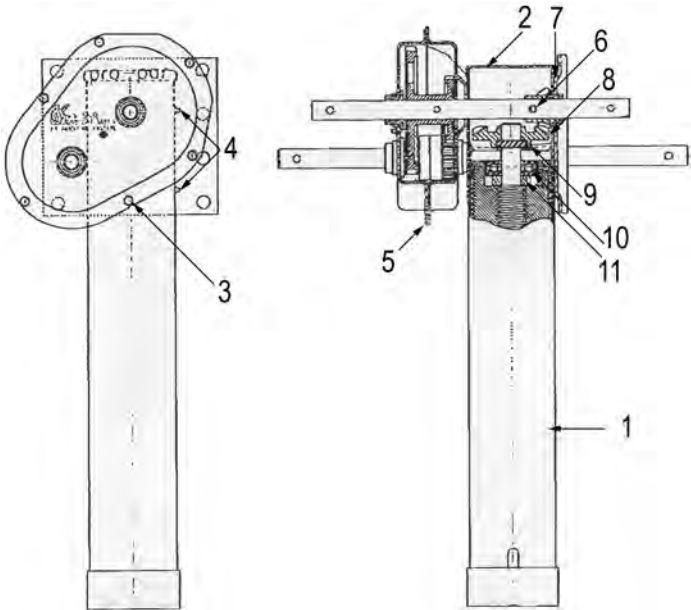
Part Number	Description	Quantity required	Figure
WAB10600482	ABS Hub Cap for In-Axle Sensor with TP-Spindle 6 Hole	2 or 4	
WAB10800294	Spindle Extension Adapter for In-Axle Sensor (Aluminum Hub)	2 or 4	
WAB10800282	Curbside In-Axle Sensor	1 or 2	
WAB10800283	Roadside In-Axle Sensor	1 or 2	
BLT00722	Speed Sensor Mounting Bolt (Standard Hub)	2 or 4	Standard  Aluminum 
BLT00511	Speed Sensor Mounting Bolt (Aluminum Hub)	2 or 4	
WSH00152	Mounting Bolt Wave Washer (Standard Hubs)	2 or 4	Standard  Aluminum 
WSH00153	Mounting Bolt Lockwasher (Aluminum Hubs)	2 or 4	
WAB1800291	Curbside In-Axle Speed Sensor Harness	1 or 2	Curbside Shown 
WAB1800292	Roadside In-Axle Speed Sensor Harness	1 or 2	
WAB12S00475	MBS-1 Mounting Bracket (optional)	1	
BLT00650 BLT00732 NUT00007 WSH00010	Bolt (3-1/2" 1M system) Bolt (5-1/2" 2M system) Nut Washer	2 2 2 2	
WAB14401359	ABS Wiring Harness	1	
WAB14401744	ABS Malfunction Lamp Harness w/Diagnostic Switch	1	
20TL30275Y	Yellow ABS Malfunction Lamp	1	
20TL30702	Closed Back Malfunction Lamp Grommet	1	
WAB14A00054	Straight Malfunction Lamp Mounting Bracket	1	
WAB14A00050	90 degree Malfunction Lamp Mounting Bracket	1	
WAB12900570	Relay Valve	1	
WAB25000945	Flash Code Label	1	

11: Landing Gear & Components

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11.1 Pro-Par Replacement Landing Gear Supports

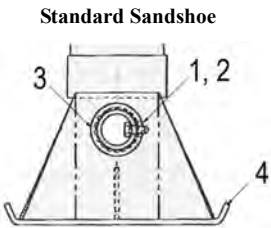
11.1.1: EXPLODED VIEW OF PROK SERIES LANDING GEAR SUPPORTS



11.1.2: DETAIL OF PROK SERIES LANDING GEAR SUPPORTS

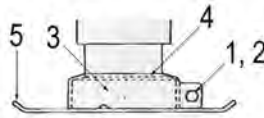
Key	Part Number	Qty	Description
1	KYS751919	1	Upper leg
2	KYS751569	1	Top cover
3	KYS201060	8	Screw 1-1/4"-20 x 1/2"
4	KYS727000	2	Grease fitting
5	KYS743015	1	Assembly cover, gear & shaft
6	KYS725002	1	Roll pin 3/8" x 1-1/38"
7	KYS73011	1	Pinion gear
8	KYS730060	1	Bevel gear
9	KYS725046	1	Groove pin 5/6" x 1-1/2"
10	KYS729108	1	Ball bearing
11	KYS730007	1	Collar

11.1.3: DETAIL OF PROK SERIES SANDSHOES



- | | |
|--------------|---------------------|
| 1. ----- | Bolt 3/8"-16 x 3/4" |
| 2. ----- | Lock Nut 3/8"-16 |
| 3. KYS750005 | Axle |
| 4. KYS730143 | 10" x 10" Shoe |

Cushion Foot Sandshoe



- | | |
|--------------|---------------------|
| 1. ----- | Bolt 3/8"-16 x 3/4" |
| 2. ----- | Lock Nut 3/8"-16 |
| 3. KYS728003 | Shock pad |
| 4. KYS730638 | Strap |
| 5. KYS730640 | Collar and plate |

11.2 MTR Replacement Landing Gear Supports

11.2.1: MTRK STYLE SYMMERTICAL MOUNT LANDING GEAR SUPPORTS

Part Number	Description	Figure
MTRK50	Set includes gear box & non-gear box only NO FOOTWARE	
MTRK50-1	Non-gear box leg	
MTRK50-2	Gear box leg	
MTRK51PLT	Complete kit with standard Fruehauf style sand shoe 16.88" travel	
MTRK51PLT-1	Non-gear box leg	
MTRK51PLT-2	Gear box leg	
For inboard & outboard mounting High efficiency lift screw (1.93 turn per traveling inch) Complete with 4-hole mounting bracket, gear connecting shaft, sand shoes, brace lugs, crank handle, & clip.		
MTRK52	Complete kit with Fruehauf style cushion foot 16.88" travel	
MTRK52-1	Non-gear box leg	
MTRK52-2	Gear box leg	

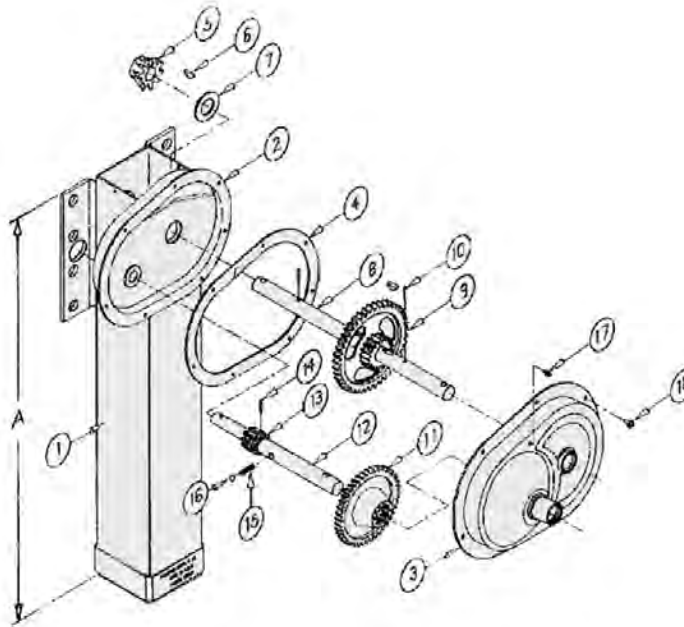
11.2.2: MTRK STYLE OFFSET MOUNT LANDING GEAR SUPPORT (UNIVERSAL)

Part Number	Description	Figure
MTRK51UNV	Complete kit with standard Fruehauf style sand shoe 16.88" travel	
MTRK51UNV-1	Non-gear box leg	
MTRK51UNV-2	Gear box leg	
For inboard & outboard mounting High efficiency lift screw (1.93 turn per traveling inch) Complete with 4-hole mounting bracket, gear connecting shaft, sand shoes, brace lugs, crank handle, & clip.		
Developed to be interchangeable with most competitor's legs which have offset mounting		

11.2.3: EXPLODED VIEW OF MTRB SERIES LANDING GEAR SUPPORTS



Manufactured exclusive for
Wabash by Binkley



11.2.4: DETAIL OF MTRB SERIES LANDING GEAR SUPPORTS

Key	Part Number	Qty	Description
1	LG2211-012 LG2211-02	1	Housing with gearbox half 17RCF/17T axle socket Housing with gearbox half 17T & 19T RCF/19T axle socket
2	XB-LG0945-100	1	Gearbox half assembly inside
3	XB-LG0944	1	Gearbox half assembly outside
4	XB-LG0891	1	Gearbox gasket
5	BINLG1823-01	1	Pinion gear
6	BINXB-KEY-018-02	2	Woodruff key
7	XB-PW-015-19	1	Flat washer
8	LG2147-02 LG2187-03	1	Jack shaft, RH conventional Jack shaft, RH unconventional
9	LG0936-51	1	Output gear
10	BINXB-SP-014-27	1	Spring pin
11	LG0934	1	Input gear, high
12	LG0910	1	Shift shaft
13	LG0933-01	1	Input gear, low
14	XB-GP-052-11	1	Groove pint
15	XB-SPG-020-36	1	Shift lock spring
16	XB-BAL-023-07	1	Shift lock ball
17	XB-GRF-022-16	1	Grease fitting
18	XB-STS-008-11	7	Self tapping screw
19	LG2140	1	Shift shaft extention kiet (not shown)

All parts with BIN prefix are stocking parts. All other parts can be ordered.

11.2.5: MTRB SYMMETRICAL LANDING GEAR SUPPORTS

Part Number	Type	Travel	Footware	Figure
MTRB50	Set	17"	None	
MTRB50-1	Non-gear box	17"	None	
MTRB50-2	Gear box	17"	None	
Set includes gear box and non-gear box only. NO FOOTWARE.				
MTRB51	Set	17"	10" x 10" Cushion shoe	
MTRB51-1	Non-gear box	17"	10" x 10" Cushion shoe	
MTRB51-2	Gear box	17"	10" x 10" Cushion shoe	
Set includes crank handle, crank handle holder, brace lugs, and cross shafts.				
MTRB52	Set	17"	10' x 12' x 4" Sand shoe	
MTRB52-1	Non-gear box	17"	10' x 12' x 4" Sand shoe	
MTRB52-2	Gear box	17"	10' x 12' x 4" Sand shoe	
Set includes crank handle, crank handle holder, brace lugs, and cross shafts.				

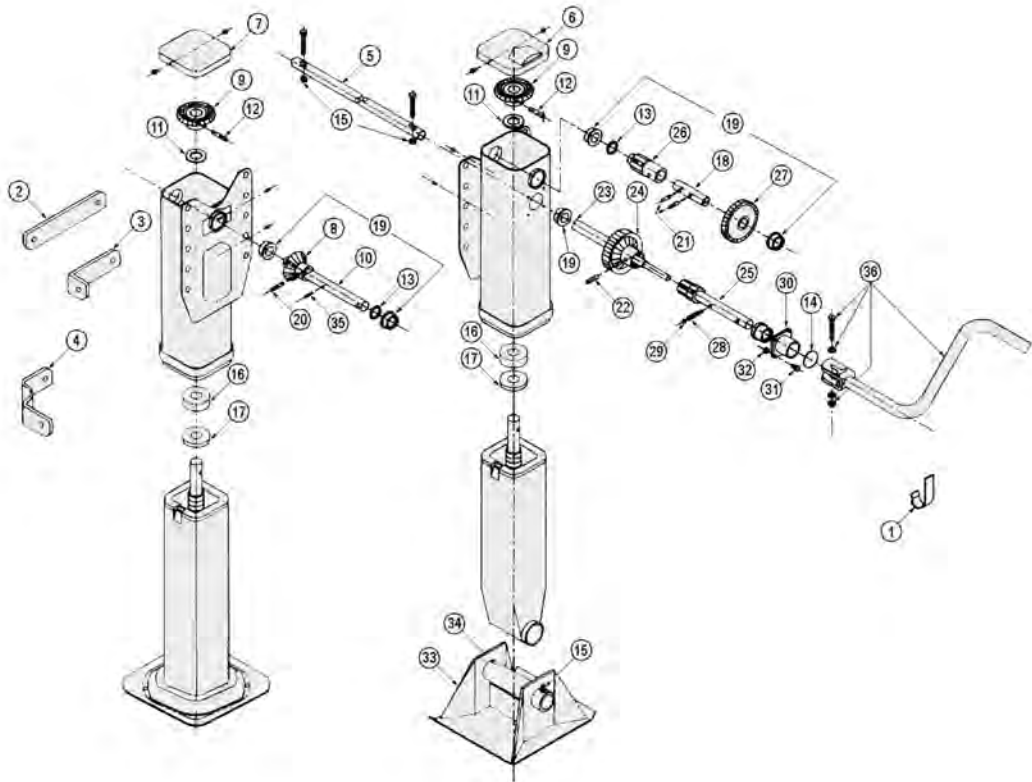
11.3 Jost Landing Gear Supports



11.3.1: EXPLODED VIEW OF JOST LANDING GEAR

Landing Gear Models & Options				
Model	Mounting	Travel	Leg Assembly	
A400	Outside frame	14", 17", 19"	A400R	2-speed
			A400L	1-speed
A401	Inside frame	14", 17", 19"	A401L	2-speed
			A401R	1-speed

Foot Ware Options			
Description	Code	Description	Code
10" x 10" Cushion foot	G	10" x 10" x 4-1/2" Sand shoe	T
12" x 12" Cushion foot	G1	10" x 10" x 2" Sand shoe	T1
9" Diameter wheel	R	10" x 12" x 4-1/2" Sand shoe	T2
9" 3rd disc wheel	R1	10" x 12" x 2" Sand shoe	T3
10" x 10" Low profile cushion foot	G3	No Foot Ware	N/A



11.3.2: DETAIL OF JOST LANDING GEAR

Key	Part Number	Description
1	JOSB10261	Crank hanger
2	JOSC10262	Brace lug—flat
3	JOSC10263	Brace lug—90 degrees
4	JOSC10108	Brace lug—W standard
5	JOSB10066.68.4	Intermediate cross shaft
6	JOSC10217	Cover—2 speeds
7	JOSC10259	Cover—1 speed
8	JOSC10177	Pinion gear
9	JOSC10155	Bevel gear
10	JOSB10130	Pinion shaft—1 speed
11	JOSA10102	Thrust washer
12	JOSA10052.3	Groove pin
13	JOSA10218	Spacer washer
14	JOSA10283	Grease seal
15	A10038.7	Self locking nut
16	JOSA10033	Thrust bearing
17	JOSA10101	Collar
18	JOSA10212	Output shaft
19	JOSA10255	Bushing
20	JOSA10054-3	Roll pin—3/8" x 1-1/2"
21	JOSA10260.1	Spiral pin
22	JOSA10054.7	Roll pin—3/8" x 1-3/4"
23	JOSB10236	Output cluster shaft
24	JOSC10234	Output cluster gear
25	JOSC10233	Input gear shaft
26	JOSC10078	Output spur gear
27	JOSC10085	Input spur gear
28	JOSA10049	Detent spring
29	JOSA10048	Detent ball
30	JOSB10229	Shift housing
31	JOSA10230	Shift housing bolt
32	JOSA10038.6	Self locking nut
33	JOSC10035	Shoe—10" x 10" x 4-1/2" standard
34	JOSB10036	Shoe axle
35	A10054.6	Roll pin—1/4" x 1-1/4"
36	JOSC10592.2	Standard crank with hardware

11.3.3: JOST 14" TRAVEL OUTSIDE MOUNT LANDING GEAR

Part Number	Type	Footware	Features
JOSA400T-14	Set*	10" x 10" x 4-1/2" Sand shoe	Standard zerk fittings
JOSA400RT-14	Gear box		
JOSA400LT-14	Non-gear box		

*Set includes cross shaft, crank handle & crank handle holder.

11.3.4: JOST 17" TRAVEL OUTSIDE MOUNT LANDING GEAR

Part Number	Type	Footware	Features
JOSA400T-17	Set*	10" x 10" x 4-1/2" Sand shoe	Standard zerk fittings
JOSA400RT-17	Gear box		
JOSA400LT-17	Non-gear box		
JOSA400G1-17	Set*	12" x 12" Cushion foot	Standard zerk fittings
JOSA400RG1-17	Gear box		
JOSA400LG1-17	Non-gear box		
JOSA400G3-17	Set*	10" x 10" Low profile cushion foot	Standard zerk fittings
JOSA400RG3-17	Gear box		
JOSA400LG3-17	Non-gear box		
JOSA400G-17-08	Set*	10" x 10" Cushion foot	65° zerk fittings
JOSA400RG-17-08	Gear box		
JOSA400LG-17-08	Non-gear box		
JOSA400G3-17-08	Set*	10" x 10" Low profile cushion foot	65° zerk fittings
JOSA400RG3-17-08	Gear box		
JOSA400LG3-17-08	Non-gear box		
JOSA400T1-17-14	Set*	10" x 10" x 4-1/2" Sand shoe	Schneider spec'd.
JOSA400RT1-17-14	Gear box		
JOSA400LT1-17-14	Non-gear box		
JOSA400T1-17-14	Set*	10" x 10" x 2" Sand shoe	Schneider spec'd.
JOSA400RT1-17-14	Gear box		
JOSA400LT1-17-14	Non-gear box		

*Set includes cross shaft, crank handle & crank handle holder.

11.3.5: JOST 19" TRAVEL OUTSIDE MOUNT LANDING GEAR

Part Number	Type	Footware	Features
JOSA400T-19	Set*	10" x 10" x 4-1/2" Sand shoe	Standard zerk fittings
JOSA400RT-19	Gear box		
JOSA400LT-19	Non-gear box		
JOSA400T1-19	Set*	10" x 10" x 2" Sand shoe	Standard zerk fittings
JOSA400RT1-19	Gear box		
JOSA400LT1-19	Non-gear box		
JOSA400T1-19-08	Set*	10' x 10" x 2" Sand shoe	65° zerk fittings
JOSA400RT1-19-08	Gear box		
JOSA400LT1-19-08	Non-gear box		
JOSA400G-19-08	Set*	10' x 10" Cushion foot	65° zerk fittings
JOSA400RG-19-08	Gear box		
JOSA400LG-19-08	Non-gear box		
JOSA400T1-17-14	Set*	10" x 10" x 2" Sand shoe	Schneider spec'd.
JOSA400RT1-17-14	Gear box		
JOSA400LT1-17-14	Non-gear box		

*Sets include cross shaft, crank handle & crank handle holder.

11.3.6: JOST 17" TRAVEL INSIDE MOUNT LANDING GEAR

Part Number	Type	Footware	Features
JOSA40IT-17	Set*	10" x 10" x 4-1/2" Sand shoe	Standard zerk fittings
JOSA40IRT-17	Gear box		
JOSA40ILT-17	Non-gear box		
JOSA40IG-17	Set*	10" x 10" Cushion foot	Standard zerk fittings
JOSA40IRG-17	Gear box		
JOSA40ILG-17	Non-gear box		
JOSA40IG3-17	Set*	10" x 10" Low profile cushion foot	Standard zerk fittings
JOSA40IRG3-17	Gear box		
JOSA40ILG3-17	Non-gear box		
JOSA40IG2-17	Set*	12" x 12" Heavy duty "Roadrailer"	Standard zerk fitting
JOSA40IRG2-17	Gear box		
JOSA40ILG2-17	Non-gear box		
JOSA40IT1-17-08	Set*	10" x 10" x 2" Sand shoe	65° zerk fitting
JOSA40IRT1-17-08	Gear box		
JOSA40ILT1-17-08	Non-gear box		
JOSA40IG3-17-08	Set*	10" x 10" Low profile cushion foot	65° zerk fittings
JOSA40IRG3-17-08	Gear box		
JOSA40ILG3-17-08	Non-gear box		
JOSA40IT1-17-14	Set*	10" x 10" x 2" Sand shoe	Schneider Spec'd.
JOSA40IRT1-17-14	Gear box		
JOSA40ILT1-17-14	Non-gear box		

*Sets include cross shaft, crank handle & crank handle holder.

11.3.7: JOST 19" TRAVEL INSIDE MOUNT LANDING GEAR

Part Number	Type	Footware	Features
A40IT-19	Set*	10" x 10" x 4-1/2" Sand shoe	Standard zerk fittings
JOSA40IRT-19	Gear box		
JOSA40ILT-19	Non-gear box		

*Sets include cross shaft, crank handle & crank handle holder.

11.4 Binkley Landing Gear Supports

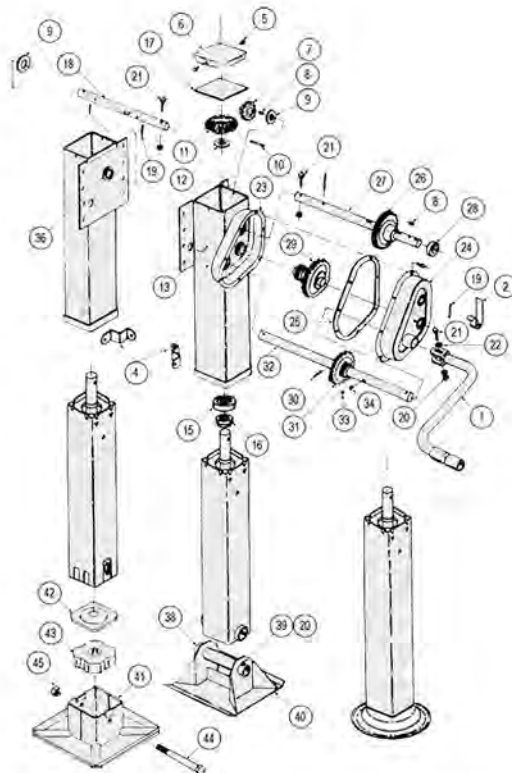


11.4.1: BINKLEY MODEL 51,000 LANDING GEAR

Part Number	Type	Travel	Footware
BINLG4001-30000000	Set*	13"	10" x 10" x 4-1/2" Sand shoe
BINLG4001-31000000	Non-gear box	13"	
BINLG4001-32000000	Gear box	13"	
BINLG4001-70000031	Set*	17"	10" x 10" x 4-1/2" Sand shoe
BINLG4001-71000000	Non-gear box	17"	
BINLG4001-72000000	Gear box	17"	
BINLG4198-70000031	Set*	17"	10" Round cushion foot
BINLG4198-71000000	Non-gear box	17"	
BINLG4198-72000000	Gear box	17"	
BINLG4198-70600000	Set*	17"	10" Round can style cushion foot
BINLG4198-71600000	Non-gear box	17"	
BINLG4198-72600000	Gear box	17"	
BINLG442B-70500000 I-beam mount	Set*	17"	10" x 10" Reinforced cushion foot

*Sets include cross shaft, crank handle & 2 brace lugs.

11.4.2: EXPLODED VIEW OF BINKLEY MODEL 51,000 LANDING GEAR



11.4.3: DETAIL VIEW OF BINKLEY MODEL 51,000 LANDING GEAR

Item	Part Number	Qty	Description
1	See Section 12.10	1	Universal crank
2	BINLG0085	1	Crank hanger
3	BINLG0094-6625	1	Cross drive shaft (not shown)
4	BINLG0266	2	Strut bracket
5	XB-ST5-008-11	11	Screw—cover & gasket
6	XA-LG0880	2	Cover
7	BINLG1823-01	2	Pinion gear
8	BINXB-KEY-018-02	3	Woodruff key
9	XB-PW-016-19	2	Thrust washer
10	BINXB-GP-052-21	2	Groove Pin
11	BINLG0570-01	2	Bevel Gear
12	XB-PW-016-62	2	Washer
13	XB-GRF-022-16	5	Grease fitting
14	XB-LG0668	1	Rubber seal—behind gear box (not shown)
15	XB-BRG-013-77	2	Thrust Bearing
16	BINLG0544	2	Collar
17	XB-LG0893	2	Cover gasket
18	LG0927	1	Jack shaft L.H. universal mount
	LG0946	1	Jack shaft L.H. I-beam mount
	LG0948	1	Jack shaft L.H. reverse mount
19	BINXB-SP-014-27	4	Roll pin
20	XB-SLN-012-04	5	Self-locking nut
21	XB-HHC-050-42	3	Bolt-crank & cross drive
22	XB-PW-016-03	2	Flat washer
23	XB-LG0662	1	Gear box half—inside
24	BINLG0663	1	Gear box half—outside
25	BINLG0428	1	Gasket
26	BINLG0543-01	1	Output gear
27	LG0928	1	Jack shaft R.H. universal mount
	LG0947	1	Jack shaft R.H. I-beam mount
	LG0949	1	Jack shaft R.H. reverse mount
28	BINLG0219-01	1	Spacer bushing
29	BINLG0542-01	1	Idler gear
30	XB-SP-014-07	1	Groove pin
31	BINLG0541-01	1	Input gear
32	PEN03-509	1	Shift shaft universal mount
	LG0371-01	1	Shift shaft I-beam mount
33	BINBAL-023-01	1	Shift lock ball
34	BINXB-SPG-020-02	1	Shift lock spring
35	BINLG0658-01	1	Shift lock boss (press fit) (not shown)
36	XB-LG0219-02	2	Bushing
37	BINLG0659-01	4	Boss press fit—G.B. (not shown)
38	LG0070-02	2	Shoe axle
39	XB-HHC-050-69	2	Hex HD bolt
40	See Sand Shoe Section		See Sand shoe Section 12.9.1
41	BINLG0732-01	2	R.C.F. 10" x 10"
42	BINLG0725	2	Cushion foot plate
43	BINLG0726	2	Cushion foot rubber
44	XB-HHB-050-70	2	Hex HD bolt
45	XBSP0012-10	2	Hex HD nut

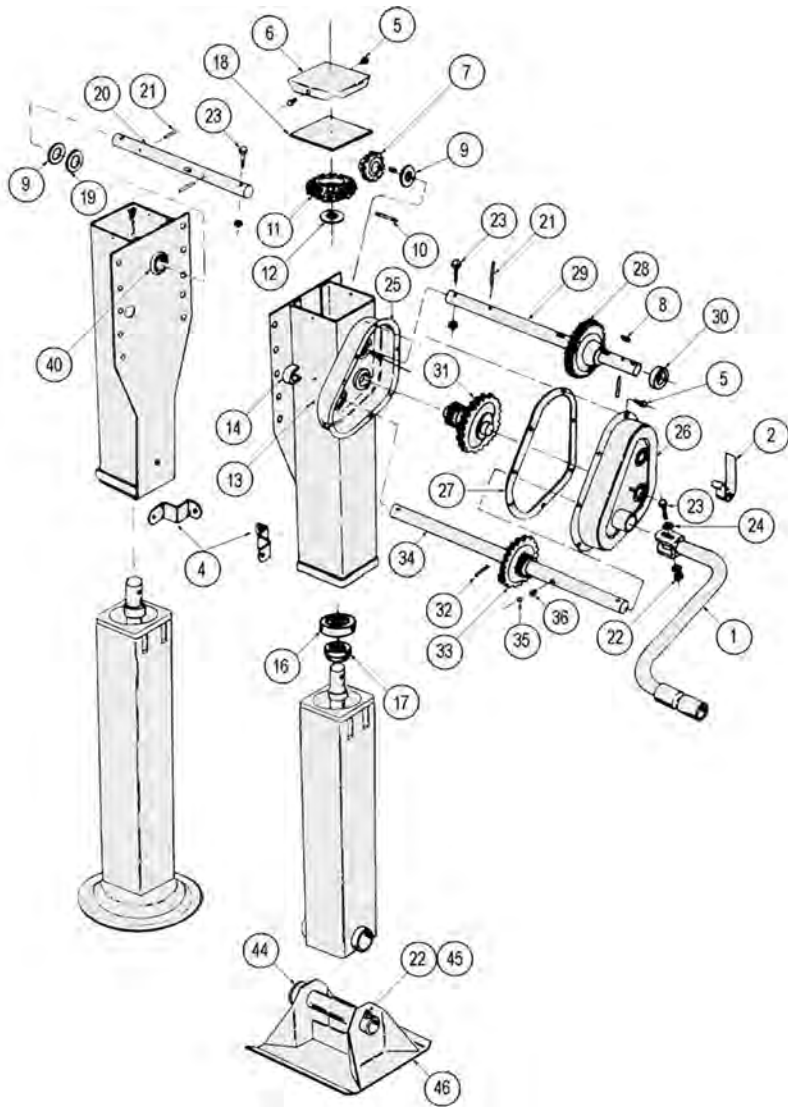
All parts with a BIN prefix are stocking parts. All other parts can be ordered.

11.4.4: BINKLEY MODEL 50,000 LANDING GEAR

Part Number	Type	Travel	Footware
BINLG5001-70000031	Set*	17"	10" x 10" x 4-1/2" Sand shoe
BINLG5001-71000000	Non-gear box	17"	10" x 10" x 4-1/2" Sand shoe
BINLG5001-72000000	Gear box	17"	10" x 10" x 4-1/2" Sand shoe

*Sets include crank handle, cross shaft & brace lug.

11.4.5: EXPLODED VIEW OF BINKLEY MODEL 50,000-3 LANDING GEAR



11.4.6: DETAIL OF BINKLEY MODEL 50,000-3 LANDING GEAR

Item	Part Number	Qty	Description
1	See Section 12.10	1	Universal crank
2	BINLG0085	1	Crank hanger
3	BINLG0094-6625	1	Cross drive shaft (not shown)
4	BINLG0266	2	Strut bracket
5	PP00080-11	11	Screw-cover & gear box
6	BINLG0264	2	Cover
7	BINLG0531-02	2	Pinion gear
8	PP0018-02	3	Woodruff key
9	PP0016-19	2	Thrust washer
10	PP0052-21	2	Groove pin
11	BINLG0570-01	2	Bevel gear
12	PP0016-62	2	Washer
13	PP0022-08	5	Grease fitting
14	LG1364	1	Shift shaft support
15	LG0668	1	Rubber seal-behind gear box (not shown)
16	PP0013-77	2	Thrust bearing
17	BINLG0544	2	Collar
18	LG0413	2	Cover Gasket
19	PP0016-14	1	Thrust washer L.H.
20	BINLG0259	1	Jack shaft L.H. universal mount
	LG0369-01	1	Jack shaft L.H. I-beam mount
21	PP0014-27	4	Roll pin
22	PP0050-42	5	Self-locking nut
23	PP0012-04	3	Bolt-crank & cross drive
24	PP0016-03	2	Flat washer
25	LG0662	1	Gear box half—inside
26	BINLG0663	1	Gear box half—outside
27	BINLG0428	1	Gasket
28	BINLG0543-01	1	Output gear
29	BINLG0260	1	Jack shaft R.H. universal mount
	LG0370-01	1	Jack shaft R.H. I-beam mount
30	BINLG0219-01	1	Spacer bushing
31	BINLG0542-01	1	Idler gear
32	PP0014-07	1	Groove pin
33	BINLG0541-01	1	Input gear
34	PEN03-509	1	Shift shaft universal mount
	LG0371-01	1	Shift shaft I-beam mount
35	PP0023-01	1	Shift lock ball
36	PP0020-02	1	Shift lock spring
37	LG0658	1	Shift lock boss (press fit)
38	LG0559	1	Double step boss (not shown)
39	LG1570	1	Retainer (not shown)
40	BINLG0219	2	Bushing
41	LG0660	1	Step Boss G.B. to HSG. press fit
42	LG0659	4	Boss press fit—G.B. (not shown)
43	LG0553	1	Gear box assembly—complete universal
44	LG0070-02	2	Shoe axle
45	PP0050-69	2	Hex HD bolt
46	LG0050	2	See Sand Shoe Section 12.9.1

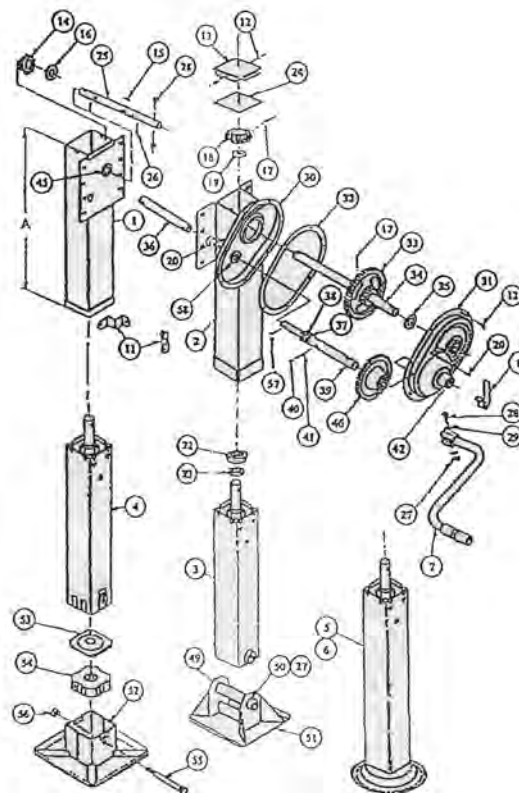
All parts with BIN prefix are stocking parts. All other parts can be ordered.

11.4.7: BINKLEY "FAST GEAR" LANDING GEAR

Part Number	Type	Travel	Footware
BINFG442B-705S00396	Set*	17"	10" x 10" Cushion foot

* Sets include crank handle, cross shaft & brace lug

11.4.8: EXPLODED VIEW OF BINKLEY "FAST GEAR" LANDING GEAR



Assemblies & Components						
QTY	Description	13.5" Travel A=25—9/16"	15.5" Travel A=26—9/16"	17" Travel A=28-1/16"	17" Travel A=30—1/16"	19" Travel A=30—1/16"
1	Upper housing LH	LG0888-01	LG0888-04	LG0888-02	LG0888-03	LG0888-03
2	Upper housing RH	LG1739-01	LG1739-04	LG1739-02	LG1739-03	LG1739-03
3	Retract tube assembly	LG0914-01	LG0914-04	LG0914-02	-----	LG0914-03
4	Retract tube assembly	LG0884-01	LG0884-05	LG0884-04	LG0884-02	LG0884-03
5	Retract tube assembly	LG624-07	-----	LG0624-10	LG0624-08	LG0624-09
6	Retract tube assembly	LG0624-01	-----	LG0624-11	LG0624-02	LG0624-03

11.4.9: DETAIL OF BINKLEY "FAST GEAR" LANDING GEAR

Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
1-6	See chart on Page 12-12			33	XB-LG0936-10	Output gear	1
7	BINLG0083-01	Universal crank	1	34	LG0890	Jack shaft RH univ. mt.	1
8	BINLG0085	Crank hanger	1		LG1924	Jack shaft RH I-beam mount	1
9	LG0094	Cross drive shaft (not shown)	1		LG1926	Jack shaft RH reverse mount	1
10	LG0091	Strut brace (not shown)	4	35	XB-PW-016-51	Washer	1
11	BINLG0266	Strut bracket	2	36	LG0932	Shift shaft extension	1
12	XB-ST5-008-11	Screw, cover & gearbox	11	37	BINXB-GP-052-11	Groove pin	1
13	XA-LG0880	Cover	2	38	BINXB-LG0933-01	Input gear—low	1
14	BINLG1823-01	Pinion gear	1	39	LG0910	Shift shaft—universal mount	1
15	BINXB-KEY-018-02	Woodruff key	1		LG1925	Shift shaft—reverse mt.	1
16	XB-PW-016-19	Thrust washer	1	40	BINBAL-023-01	Shift lock ball	1
17	BINXB-GP-052-11	Groove pin	3	41	BINXB-SPG-020-02	Shift lock spring	1
18	BINLG0570-01	Bevel gear	2	42	BINLG0658-01	Shift lock boss	1
19	BX-PW-016-62	Washer	2	43	BX-LG0559	Double step boss (not shown)	1
20	XB-GRF-022-16	Grease fitting	5	44	XB-LG1570	Retainer (not shown)	1
21	XB-LG0943	Rubber gearbox seal (not shown)	1	45	LG0219-02	Bushing	2
22	BINXB-BRG-013-77	Thrust Bearing	2	46	XB-LG0934	Input gear—high	1
23	BINIG0544	Collar	2	47	XB-LG0659-01	Gearbox boss (not shown)	1
24	XB-LG0893	Cover gasket	2	48	LG0940	Gearbox assembly univ. (not shown)	1
25	LG0927	Jack shaft LH univ. mt.	1	49	LG0070-02	Shoe axle	2
	LG0946	Jack shaft LH I-beam mount	1	50	XB-HHC-050-69	Bolt, hex head	2
	LG0946	Jack shaft LH reverse mount	1	51	See Section 12.9 Sand shoes		
26	BINXB-SP-014-27	Roll pin	2	52-54	See Section 12.9 Sand shoes		
27	XB-SUN-012-04	Self locking nut	5	55	XB-HHC-050-70	Bolt, hex head	2
28	XB-HHC-050-42	Screw, hex, cap	3	56	XB-SP0012-10	Nut, hex head	2
29	XB-PW-015-03	Washer	2	57	XB-GP-052-49	Groove pin	1
30	XB-LG0945	Gearbox half—inside	1	58	XB-LG0931	Gearbox boss	1
31	XB-LG0944	Gearbox half—outside	1				
32	XB-LG0891	Gearbox gasket	1				

All parts with a BIN prefix are stocking parts. All other parts can be ordered.

11.5 Kysor Westran Landing Gear Supports

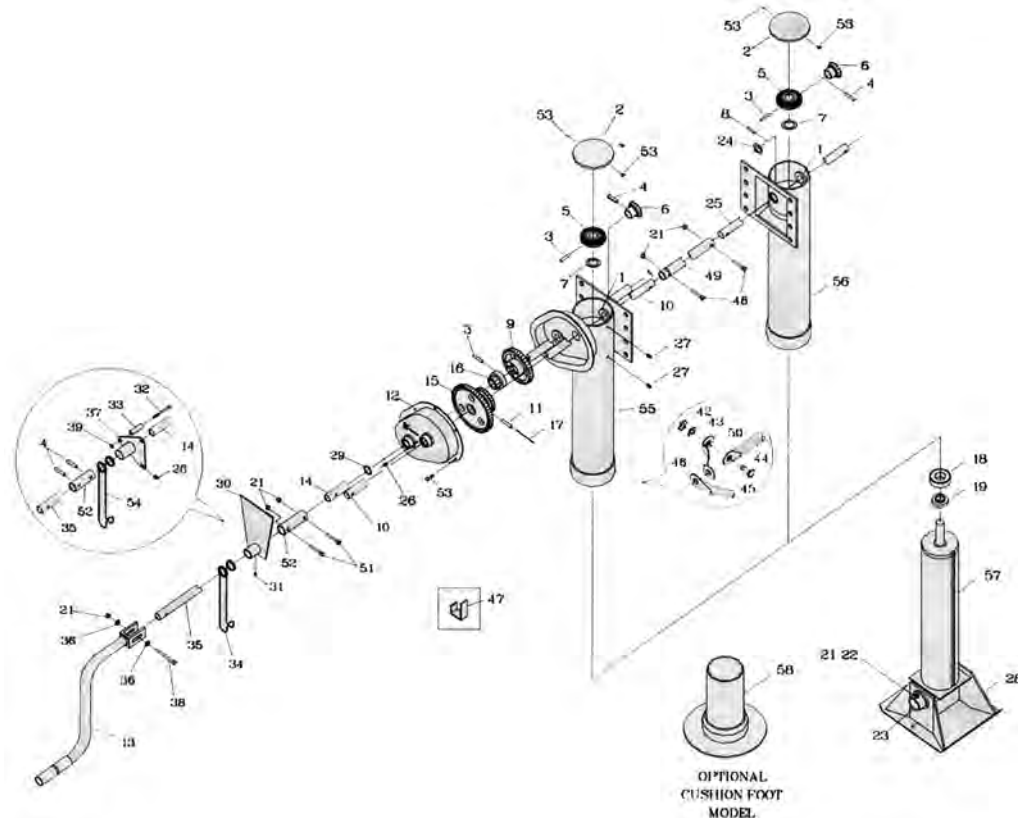


11.5.1: KYSOR WESTRAN CMR LANDING GEAR SUPPORTS

Part Number	Type	Travel	Upper Leg	Footware
KYS795091	Set*	14.12"	22.69"	4-1/2" x 10" x 11-1/4" Sand shoe
KYS742335	Non-gear box	14.12"	22.69"	
KYS742757	Gear box	14.12"	22.69"	
KYS795118	Set*	16.87"	25.44"	4-1/2" x 10" x 11-1/4" Sand shoe
KYS742109	Non-gear box	16.87"	25.44"	
KYS742379	Gear box	16.87"	25.44"	
KYS795098	Set*	16.87"	28.94"	10" Cushion foot
KYS742124	Non-gear box	16.87"	28.94"	
KYS742315	Gear box	16.87"	28.94"	
KYS795132	Set*	19.12"	27.12"	4-1/2" x 10" x 11-1/4" Sand shoe
KYS742272	Non-gear box	19.12"	27.12"	
KYS742503	Gear box	19.12"	27.12"	

*Sets include crank handle, crank handle holder, brace lugs & cross shaft.

11.5.1.1: EXPLODED VIEW OF KYSOR WESTRAN CMR LANDING GEAR SUPPORTS



11.5.1.2: DETAIL OF KYSOR WESTRAN CMR LANDING GEAR SUPPORTS

Index Number	Kysor Number	Description	Qty.
1	724036	Bushing	3
2	KYS750109	Cover	2
3	725046	Groove pin 5/16" x 1/2"	3
4	KYS725002	Roll pin 3/8" x 1-3/8"	4
5	730590	Bevel gear 28T	2
6	KYS730011	Pinion-bevel 14T	2
7	722017	Washer	2
8	KYS725001	Roll pin 1/4" x 1-1/4"	1
9	KYS751174	Gear, high speed	1
10	KYS750002	Shaft pinion	1
11	KYS725003	Roll pin 3/8" x 1-1/2"	1
12	741558	Cover Assembly	1
13	KYS730113	Crank	1
14	75115	Crank shaft	1
	751226	Shaft Plated for permanent lube	1
15	KYS750009	Gear set, rigid 26/51T	1
16	751173	Gear, low speed	1
17	KYS729002	Spring clip	1
18	729005	Bearing T127	2
	KYS729016	Bearing T151 for HD applications	2
19	73007	Collar	2
	730215	Collar for HD applications	2
21	203514	Nut lock 3/8"—16	7
22	201226	Bolt 3/8"—16 x 3/4"	2
23	KYS730005	Axle—for sand shoes	2
24	722000	Washer	1
25	KYS750004	Shaft (pinion)	1
26	727001	Grease fitting	1
27	72700	Grease fitting	4
28	730143	Sand shoe	2
29	KYS728000	Seal	1
30	730152	Crankshaft bracket assy. (F.W. under 54)	1

Index Number	Kysor Number	Description	Qty.
31	727002	Grease fitting	1
32	201031	Bolt 1/4"—20 x 2-1/4"	3
33	724010	Spacer	3
34	730122	Crank holder	1
35	750212	Crank shaft extension	1
36	202403	Washer 3/8" plain heavy	2
37	716007	Crank bracket assembly	1
	716008	Crank bracket assembly	1
38	201209	Bolt—hex HD 3/8"—16 x 2-3/4"	1
39	203305	Lock nut 1/4"—20	3
42	203878	Hex nut 5/8"—11	8
43	202745	Washer	8
44	-----	Brace tube (cross)	2
45	721009	Bolt—hex HD 5/8"—11 x 2"	8
46	-----	Brace tube (back)	2
47	KYS750812	Crank holder	1
48	201208	Bolt—hex HD 3/8"—16 x 2-1/2"	2
49	KYS6883	Intermediate shaft 65"	1
	KYS6884	Intermediate shaft 74.75"	1
50	73005	Brace ear (for round leg)	2
	KYS730157	Brace ear	2
51	201218	Bolt—hex HD 3/8"—16 x 1-3/4"	2
52	730092	Coupling	1
53	201060	Screw—hex washer HD 1/4"—20 x 1/2"	10
54	730166	Crank holder	1
55	751562	Upper leg weld't (2-speed) 25-7/16" length	1
56	751560	Upper leg weld't (single speed) 26-7/16" length	1
57	742110	Lower leg assy. (round)	2
58	742126	Lower leg assy. with cushion foot (std. lube)	2

All parts with a KYS prefix are stocking parts. All others can be ordered.

11: Landing Gear & Components

*Sets include crank handle, crank handle holder, brace lugs & cross shaft.

This exploded view diagram illustrates the assembly of a chair. The main components are numbered as follows:

- Seat and Backrest Assembly:** Includes the seat (1), backrest (2), and various internal structural parts like the seat rail (3), backrest rail (4), and connecting hardware (5-10).
- Legs and Base:** Features four legs (11-14) and a base (15) with various mounting hardware (16-20).
- Armrests:** Shows the armrest assembly (21-24) with mounting hardware (25-28).
- Optional Removable Cushion Foot:** A separate assembly (61-62) for the base, including a cushion (61) and a foot (62).
- Wheels and Casters:** Includes a set of wheels (41-44) and a mounting bracket (45-48).
- Adjustment Mechanism:** A lever (49) and a spring (50) for height adjustment.
- Other Components:** Includes a footrest (51), a footrest bracket (52), a footrest spring (53), a footrest lever (54), a footrest bracket (55), a footrest spring (56), a footrest lever (57), a footrest bracket (58), a footrest spring (59), a footrest lever (60), a footrest bracket (61), and a footrest spring (62).

The diagram uses perspective and exploded views to show the spatial relationship and assembly sequence of the parts. Two circular insets provide detailed views of specific mechanical joints: one for the seat/backrest connection and another for the wheel mounting.

11.5.2.2: DETAIL OF KYSOR WESTRAN CMS LANDING GEAR SUPPORTS

Index Number	Kysor Number	Description	Qty.
1	724037	Bushing	3
2	KYS751569	Square Cover	2
3	KYS725046	Groove pin 5/16" x 1-1/2"	3
4	KYS725002	Roll pin 3/8" x 1-3/8"	4
5	KYS750355	Bevel gear 28T	2
6	KYS730011	Pinion-bevel 14T	2
7	722017	Bushing-screw	2
8	KYS725001	Roll pin 1/4" x 1-1/4"	1
9	KYS751174	Gear, high speed	1
10	KYS750002	Shaft pinion	1
11	KYS725003	Roll pin 3/8" x 1-1/2"	1
12	741158	Cover assembly	1
13	KYS730113	Crank	1
14	KYS750003 750238	Crank shaft Shaft plated for permanent lube	1 1
15	KYS750009	Gear set, rigid 26/5T	1
16	751173	Gear, low speed	1
17	KYS729002	Spring clip	1
18	729005	Bearing T127	2
19	KYSJ4928-1	Collar	2
20	203878	Nut, lock 5/8"—11 (optional)	2
21	203514	Nut lock 3/8"—16	5
22	201226	Bolt 3/8"—16 x 3/4"	2
23	750005	Axle—for sand shoes	2
24	722000	Washer	1
25	KYS750004	Shaft (pinion)	1
26	727001	Grease fitting	1
27	727000	Grease fitting	4
28	730143	Sand shoe	2
29	KYS728000	Seal	1
30	730152	Crankshaft bracket assy. (F.W. under 54)	1
31	727002	Grease fitting	1
32	201031	Bolt 1/4"—20 x 2-1/4"	3
33	724010	Spacer	3

Index Number	Kysor Number	Description	Qty.
34	730122	Crank holder	1
35	750212	Crank shaft extension	1
36	202403	Washer 3/8" plain heavy	2
37	716007 716008	Crank bracket assembly Crank bracket assembly	1 1
38	201209	Bolt—Hex HD 3/8"—16 x 2-3/4"	1
39	203305	Locknut 1/4"—20	3
42	203878	Hex nut 5/8"—11	8
43	202745	Washer	8
44	-----	Brace tube (cross)	2
45	721009	Bolt—Hex HD 5/8"—11 x 2"	8
46	-----	Brace tube (back)	2
47	KYS750812	Crank holder	1
48	201208	Bolt—Hex HD 3/8"—16 x 2-1/2"	2
49	KYS6883 KYS6884	Intermediate shaft 65" Intermediate shaft 74.75"	1 1
50	KYS730157	Brace ear	2
51	201218	Bolt—Hex HD 3/8"—16 x 1-3/4"	2
52	730092	Coupling	1
53	201060	Screw—Hex washer HD 1/4"—20 x 1/2"	10
54	730166	Crank holder	1
55	751614	Weldment, cushion foot (optional)	2
56	730612	End plate (optional)	2
57	730613	Shock pad (optional)	2
58	201702	Bolt 5/8"—11 x 6" (optional)	2
59	751566	Upper leg (2 speed square) 25-7/16" length	1
60	742111	Lower leg assy. (square) std. lube for axle foot group	1
61	751564	Upper leg (1 speed square) 22-1/16" length	2
62	742139	Lower leg assy. std. lube for cushion foot (REM)	2

All parts with a KYS prefix are stocking items. All others can be ordered.

11.6 Holland Landing Gear Supports



11.6.1: HOLLAND FORMULA 150 17" TRAVEL LANDING GEAR SUPPORTS

Part Number	Description	Figure
HOLLG150-1AY	Universal Mount Support Set 10" x 10" x 4" standard sand shoe Extended length = 52.68" Retracted length = 33.68"	 Standard Sandshoe Shown

11.7 KIC Landing Gear Supports

11.7.1: KIC LANDING GEAR

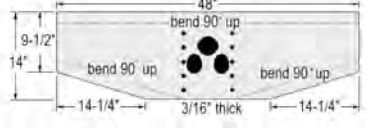
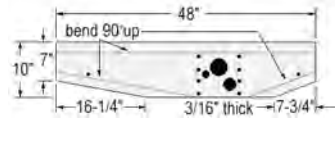
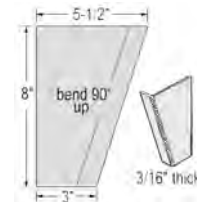
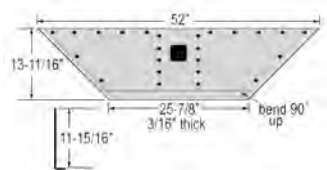
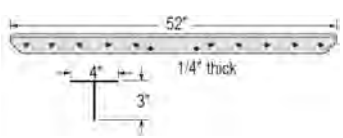
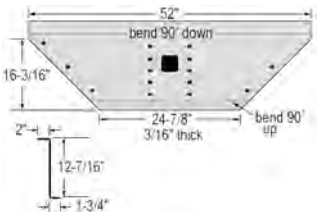
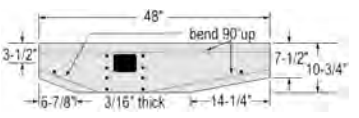
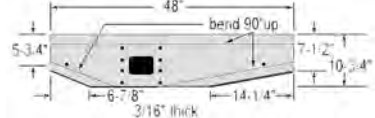
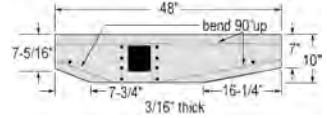
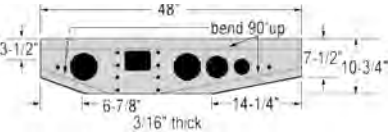


- | | |
|-------------|--|
| 1. KIC168* | Set replacement for Binkley 50,000 |
| 2. KIC168GS | Gear box, replacement for Binkley 50,000 |
| 3. KIC168NG | Non-gear box, replacement for Binkley 50,000 |

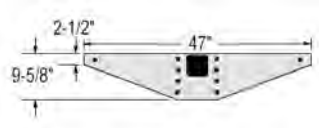
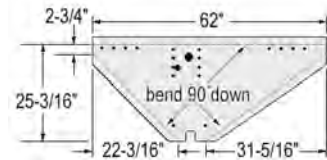
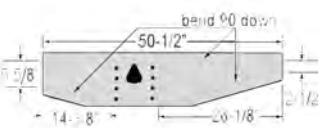
* Set includes cross shaft & crank handle

11.8 Landing Gear Brackets

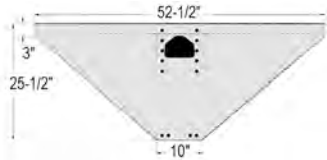
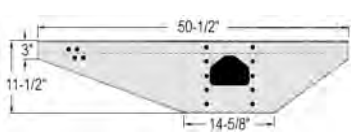
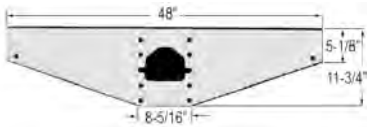
11.8.1: WABASH LANDING GEAR MOUNTING BRACKETS

		
1. WAB13S00057 Universal	1. WAB13S00047 R/S 2. WAB13S00048 C/S	1. WAB13S00025 R/S Center 2. WAB13S00026 C/S Gusset
		
1. WAB13S00379 Jost	1. WAB13S00380 Jost mounting tee	1. WAB13S00405 Jost
		
1. WAB13S00503 C/S Jost 2. WAB13S00504 R/S Jost	1. WAB13S00512 C/S Jost 2. WAB13S00513 R/S Jost	1. WAB13S00548 R/S Jost 2. WAB13S00549 C/S Reverse Mount
		
1. WAB13S00673 C/S Jost Lightweight 2. WAB13S00674 R/S Jost Lightweight		

11.8.2: FRUEHAUF LANDING GEAR MOUNTING BRACKETS

		
1. FRUFCF1671-1 Shallow	1. FRUFNE0568-1 R/S 2. FRUFNE0568-2 C/S	1. FRUFCF9322-1 R/S 2. FRUFCF9322-2 C/S

11.8.3: OTHER MANUFACTURER'S LANDING GEAR MOUNTING BRACKETS

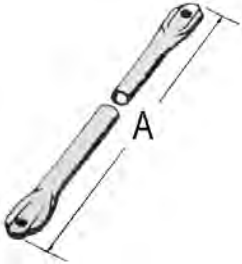
Trailmobile Style		Trailmobile Style		Miller Style
				
1. PEN02-01	4-A1-223	1. PEN02-02-RS 2. PEN02-02-CS	4-A1-224L 4-A1-224R	1. PEN02-30

11.8.4: LANDING GEAR MOUNTING HARDWARE

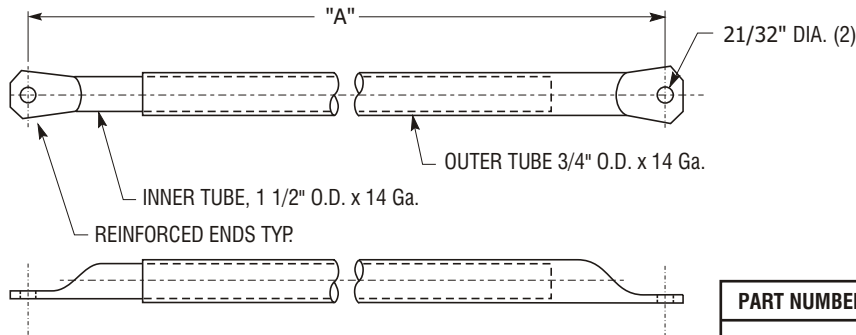
		Kit Consists Of: 12—5/8" x 1-7/8" grade 8 bolts 12—5/8" Lock washers 12—5/8" Lock nut
1. BLTFSP005-05KIT	Bolt kit	

11.9 Landing Gear Bracing

11.9.1: BRACES

Part Number	Thickness	Adjusts A	Figure
PEN04-10-26-41	Standard 14 ga.	26"—41"	
PEN04-10-42-57	Standard 14 ga.	42"—57"	
PEN04-10-56-72	Standard 14 ga.	56"—72"	
PEN04-15-26-41	Heavy Duty 13 ga.	26"—41"	
PEN04-15-42-57	Heavy Duty 13 ga.	42"—57"	
PEN04-15-56-72	Heavy Duty 13 ga.	56"—72"	
FLT013-01097	Heavy Duty 12 ga.	36"—42"	
PEN04-80-26-41	Super Heavy Duty	26"—41"	
PEN04-80-35-54	Super Heavy Duty	35"—54"	

11.9.2: 2-PIECE ADJUSTABLE BRACES

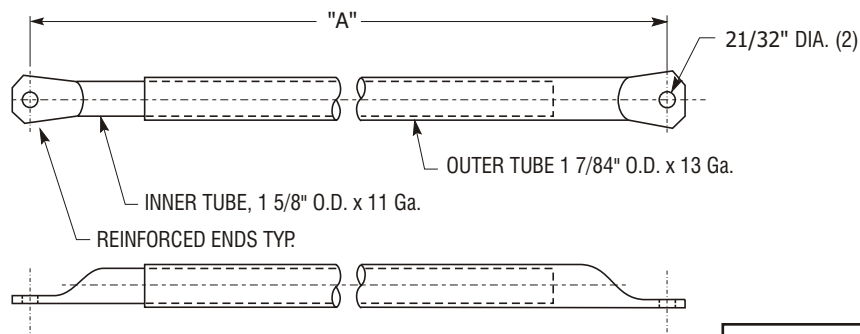


PART NUMBER	"A" DIM	WT. Lbs
2004102641 OEM # 04-10-26-41	26 – 41	5.3
2004104257 OEM # 04-10-42-57	42 – 57	7.0
2004105672 OEM # 04-10-56-72	56 – 72	9.1

MAT'L: HRS
WT: AS NOTED, PRIMER PAINT

1. Standard Duty

11.9.2: 2-PIECE ADJUSTABLE BRACES

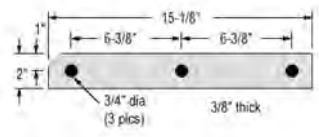
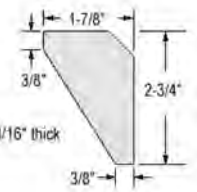
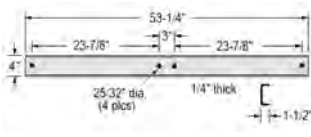
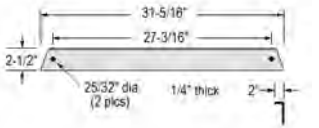
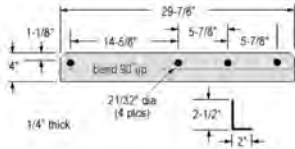
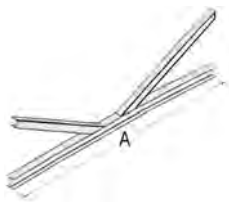


PART NUMBER	"A" DIM	WT. Lbs
20402641 OEM # 04-40-26-41	26 – 41	6.5
20405672 OEM # 04-40-56-72	56 – 72	11.6

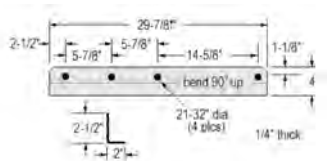
MAT'L: HRS
 WT: AS NOTED, PRIMER PAINT

1. Heavy Duty

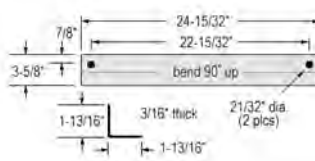
11.9.3: WABASH LANDING GEAR BRACING

 1. WAB13S00019 K-Brace mounting channel	 1. WAB13S00028 Rear Brace	 1. WAB13S00029 Front Brace
 1. WAB13S00381 JOST Shim	 1. WAB13S00395 Roadrailer gusset	 1. WAB13S00399 RoadRailer brace
 1. WAB13S00400 RoadRailer brace	 1. WAB13S00401 Brace	 1. WAB13000042 A = 72" 2. WAB13000065 A = 65" 3. WAB13000501 A = 60"

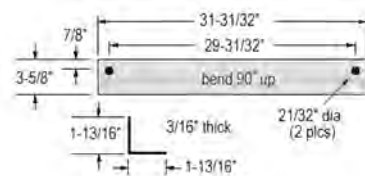
11.9 Landing Gear Bracing



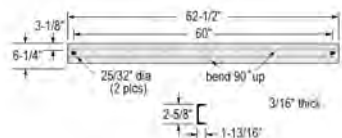
1. WAB13S00402 Brace



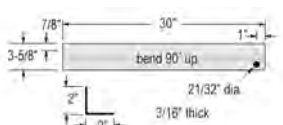
1. WAB13S00542 Brace



1. WAB13S00543 Brace

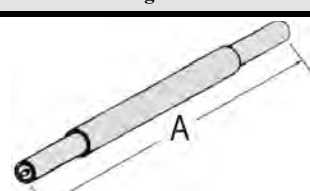
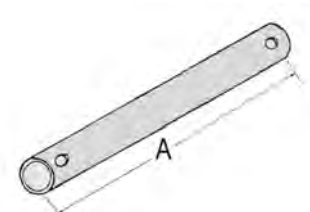


1. WAB13S00544 Cross brace



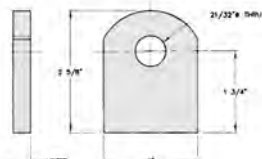
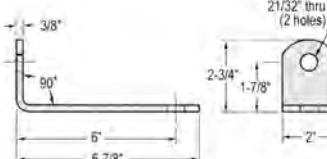
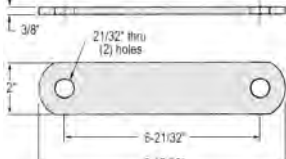
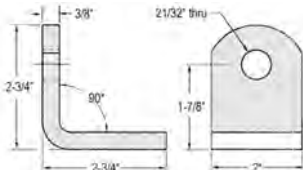
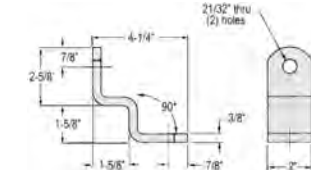
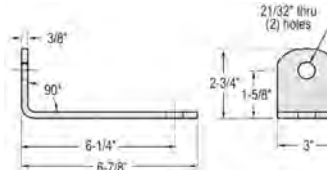
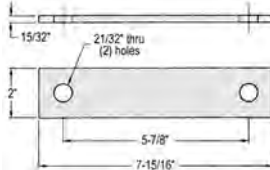
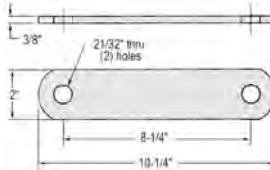
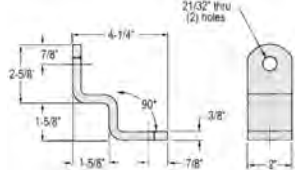
1. WAB13S00545 C/S Center brace
2. WAB13S00546 R/S Center brace

11.9.4: CROSS SHAFTS

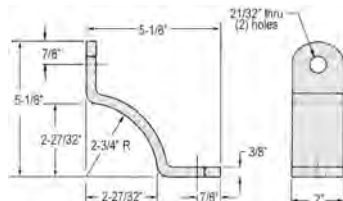
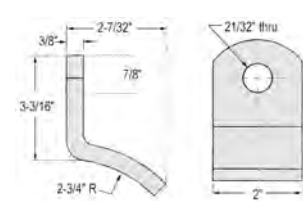
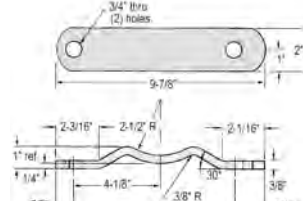
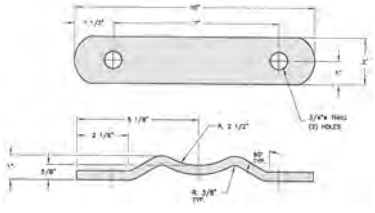
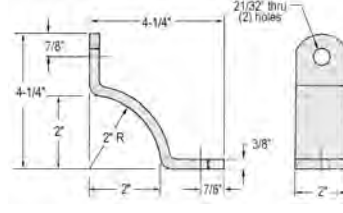
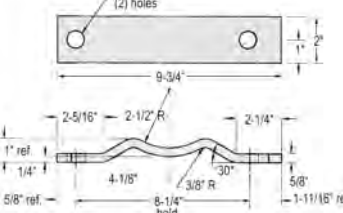
Part Number	Description	A	Figure
PEN04-552	14 ga. 3 piece adjustable	52"—72"	
PEN04-552-2	Outer tube		
BINLG0094-6500	Binkley cut to length	A = 65.00"	
BINLG0094-7025	Binkley cut to length	A = 70.25"	
FRUSCE8322-1	Fruehauf cut to length	A = 74-3/4"	
JOSB10363.45.828	Jost cut to length	A = 45.83"	
JOSB10363.55.87	Jost cut to length	A = 55.87"	
JOSB10363.56.5	Jost cut to length	A = 56-1/2"	
JOSB10066.68.4	Jost cut to length	A = 68-1/3"	

11.10 Landing Gear Brace Lugs

11.10.1: BRACE LUGS FOR SQUARE LEGS

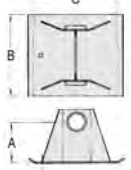
 1. PEN02-10-A	 1. PEN02-11-A	 1. PEN02-12-A
 1. PEN02-13-A	 1. PEN02-14-A	 1. FRUSXA0191
 1. FRUSCF3395-1	 1. JOSCI0262	 1. KYS730157

11.10.2: BRACE LUGS FOR ROUND LEGS

 1. PEN02-15-A 2. KYS730005	 1. PEN02-16-A	 1. PEN02-25
 1. PEN02-32	 1. HOLXA-V-1938	 1. KYS730051

11.11 Sand Shoes, Wheels & Axles

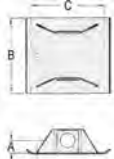
11.11.1: STANDARD SAND SHOES

Part Number	Sides	Base	Gusset	A	B	C	Figure
PEN05-300	3/16"	3/16"	Single	4-3/8"	10"	10"	
PEN05-301	3/16"	3/16"	Single	4-3/8"	12"	10"	
PEN05-330	1/4"	3/16"	Single	4-3/8"	10"	10"	
FRUSANDSHOE4X12X12	1/4"	3/16"	None	4"	12"	12"	
JOSC10035	1/4"	1/8"	Single	4-1/2"	10"	10"	

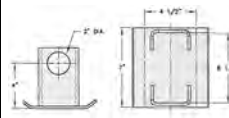
11.11.2: FRUEHAUF TILT SAND SHOES

Part Number	Sides	Base	Gusset	Height	Length	Width	Figure
FRUSCE7407-1	3/16"	3/16"	Single	4"	12"	10"	
FRUSCE3719-2	3/16"	3/16"	None	5"	12"	12"	
FRUSCE3719-1	3/16"	3/16"	None	2"	12"	12"	
FRUSCE3719-3	3/16"	3/16"	Single	2"	12"	12"	

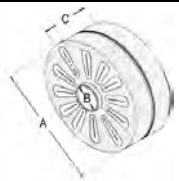
11.11.3: LOW PROFILE SAND SHOES

Part Number	Sides	Base	Gusset	A	B	C	Figure
PEN05-310*	3/16"	3/16"	None	1-3/4"	10"	10"	
PEN05-311*	1/4"	1/4"	None	1-3/4"	10"	10"	
PEN05-340	1/4"	1/4"	None	1-3/4"	10"	10"	
JOSC10135	1/4"	3/16"	None	2"	10"	10"	
FLT013-00073	3/16"	3/16"	None	2"	10"	10"	
*with hole reinforcement							

11.11.4: SPECIALTY SAND SHOES

Part Number	Sides	Base	Gusset	A	B	C	Figure
PEN05-303	1/4"	7 ga.	None	4"	7"	4-1/2"	

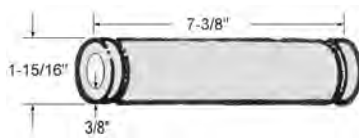
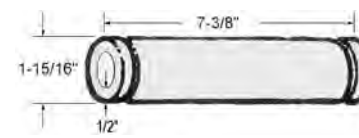
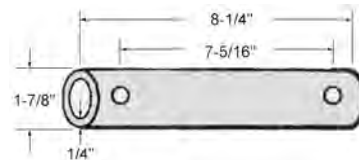
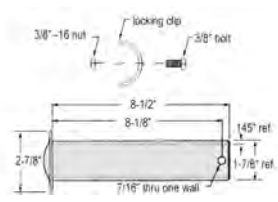
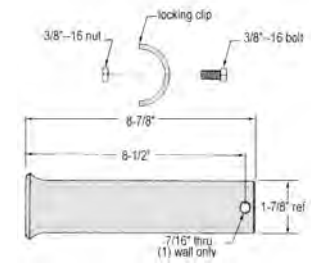
11.11.5: DOLLY WHEELS

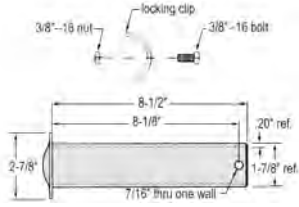
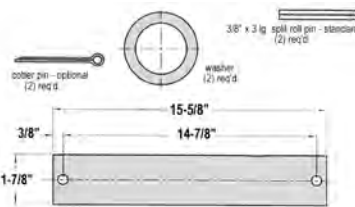
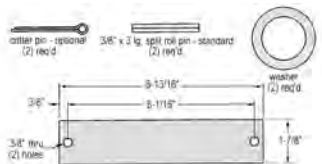
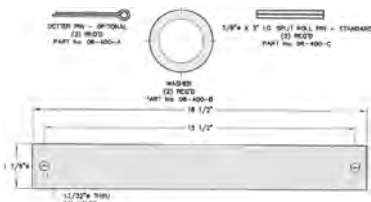
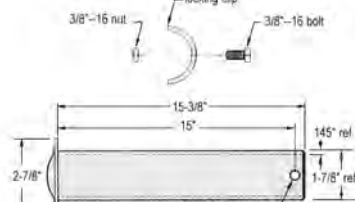
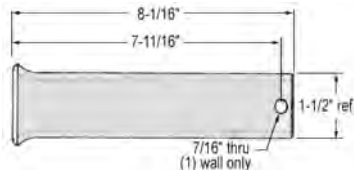
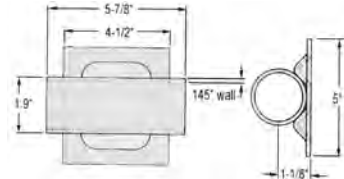
Part Number	Description	A	B	C	Figure
FLT013-00173	Heavy Duty	9.00"	2"	3.44"	

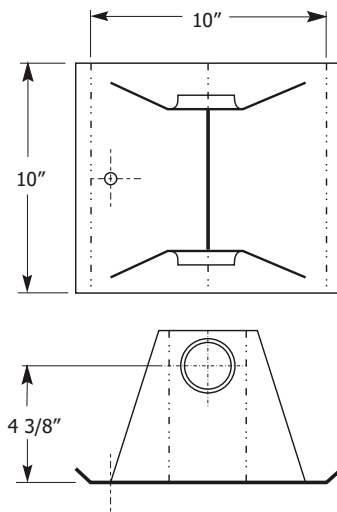
11.11.6: CUSHION FOOT

Part Number	Description	Qty	Item	Figure
FRUSCF4356-1	Shoe (12" x 12")	1	1	
FRUSCF4506-1	Rubber pad	1	2	
FRUSCF5270-1	Retainer plate	1	3	
BLT1-280	1/2" x 1" Bolt	2	4	
NUT2-25	1/2" Hex nut	2	5	
BINLG0045-01	Kit (10" round)	1		
BINLG0048-01	Kit (10" x 10")	1		
BINLG0732-01	Shoe (10" x 10")	1	1	
BINLG0725	Retainer Plate	1	2	
BINLG0726	Rubber Pad	1	3	
KYS716052	Kit (10" x 10")	1		

11.11.7: SAND SHOES HARDWARE

		
1. FRUSCF0487-1	1. FRUSCF0494-1 Heavy Duty	1. FRUSCF0486-1
		
1. FRUSPA1102-3	1. PEN06-410 Schedule 40 2. FLT013-00244	1. PEN06-404 Schedule 40

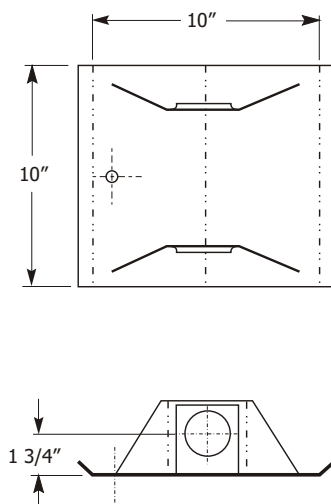
		
1. PEN06-411 Schedule 80 Heavy Duty	1. PEN06-430 Solid axle kit	1. PEN06-431 Solid axle kit
		
1. PEN06-432 Side axle kit	1. PEN06-420 Schedule 40 for Dolly wheel	1. JOSB10036
		
1. PEN06-345 Axle housing	1. PEN06-422-B Half collar locking clip	

11.11.8: MARTEC SAND SHOES


SIDES: 7 Ga. HRS FLAIR
BASE: 7 Ga. HRS
SINGLE GUSSET

OEM # 05-300
STANDARD
MAT'L: HRS
WT: 10.2#, PRIMER PAINT

1. 2005300

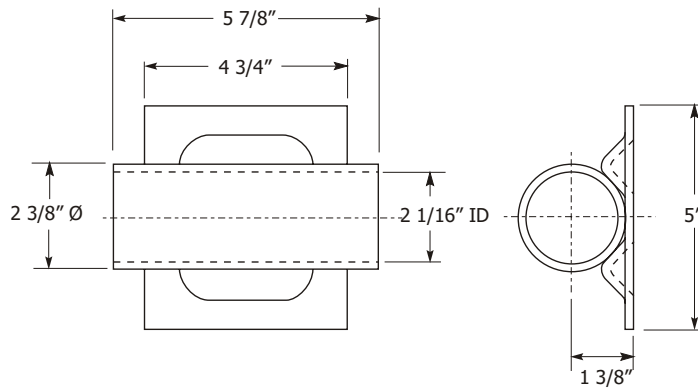


SIDES: 7 Ga.. HRS W.PATCH
BASE: 7 Ga. HRS
NO GUSSET

OEM # 05-310
LOW PROFILE
MAT'L: HRS
WT: 8.2#, PRIMER PAINT

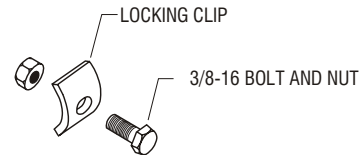
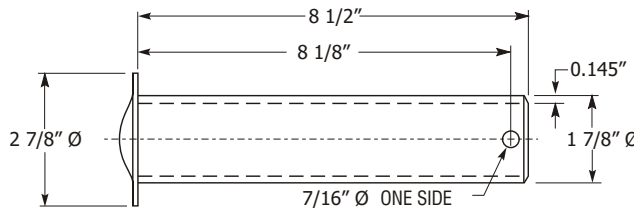
1. 2005310

11.11.9: MARTEC AXLE KITS



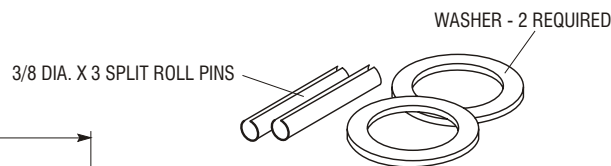
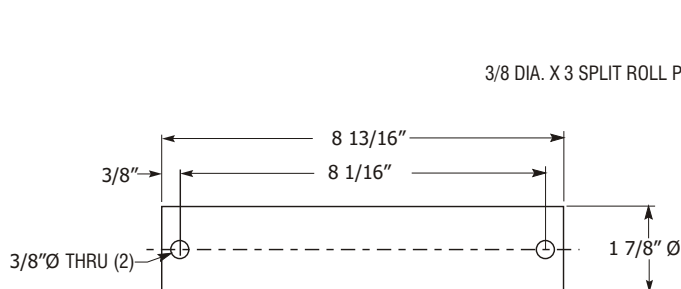
OEM # 06-345
T-STAMP AXLE HOUSING
MATERIAL: HRS
WT: 2.9#, PRIMER PAINT

1. 2006345



OEM # 06-410
WELDED CAP AXLE KIT, STD
HEAVY DUTY
MAT'L: 1 1/2 SCH 40
WT: 2.1#, PRIMER PAINT

1. 2006410

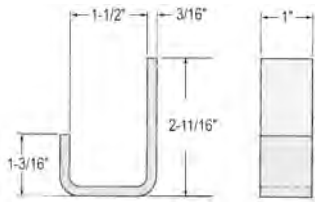
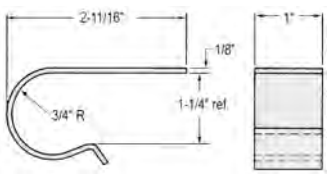
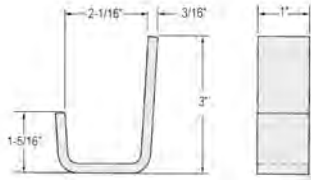
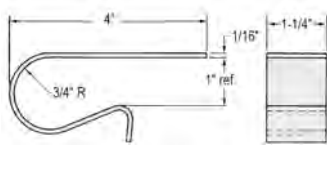
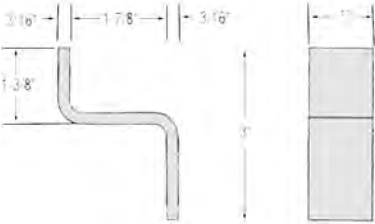
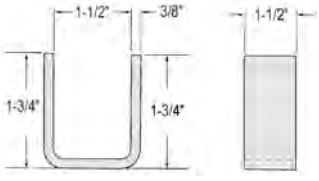


OEM # 06-431
SOLID AXLE KIT
MAT'L: 1 7/8" DIA., HRS
WT: 12.8#, PRIMER PAINT

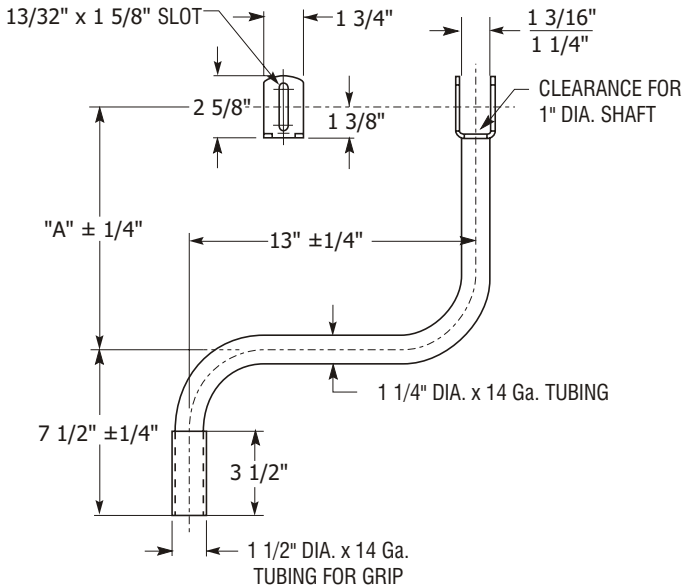
1. 2006431

11.12 Crank Handles & Holders

11.12.1: CRANK HANDLE HOLDERS

		
1. PEN03-403	1. JOSB10261	1. KYS750812
		
1. BINLG0085	1. FRUSCA1935-X	1. FRUSCF3998-1

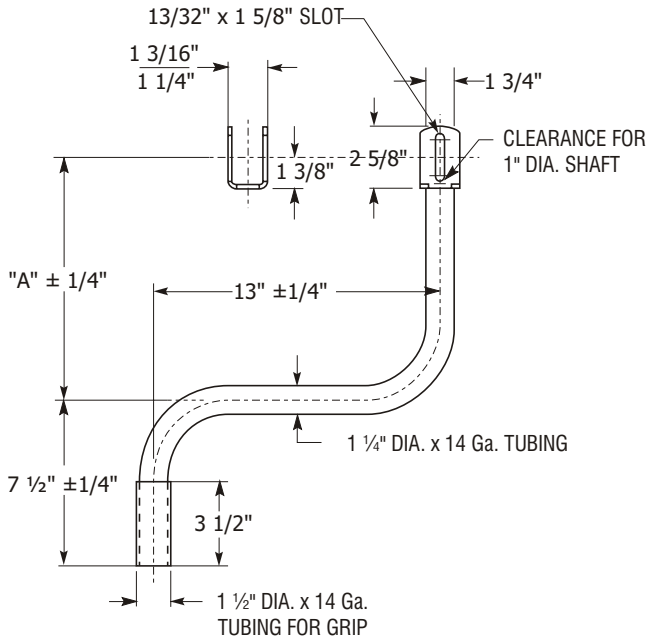
11.12.2: MARTEC CRANK HANDLES



PART NUMBER	"A" DIM	WT. Lbs
2003215H OEM # 03-215-H	15 7/8"	3 1/2
2003221H OEM # 03-221-H	21"	3 3/4

MAT'L: HRS
WT: AS NOTED, PRIMER PAINT

1. 2003215H & 2003221H



PART NUMBER	"A" DIM	WT. Lbs
2003215V OEM # 03-215-V	15 7/8"	3 1/2
2003221 OEM # 03-221-V	21"	3 3/4

MAT'L: HRS
WT: AS NOTED, PRIMER PAINT

1. 2003215V & 2003221

12.1: Wheel Chocks & Dock Bumpers	2
12.2: Placards, Signs, & Decals	3
12.3: Wide Load Banners & Flags.....	5
12.4: Mirrors & Accessories	6
12.5: Fire Extinguishers & Other Safety Equipment	7

12.1 Wheel Chocks & Dock Bumpers

12.1.1: WHEEL CHOCKS



1. MSP1047 10" x 8" x 6" Solid rubber with eye bolt

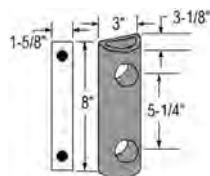


1. MSPAAB007324 Cast aluminum

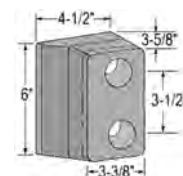
12.1.2: DOCK BUMPERS



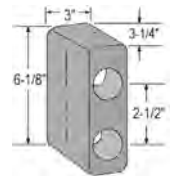
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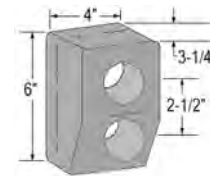
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1. FRUWCA0015



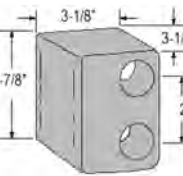
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1. MTR30038
2. MSPT-43

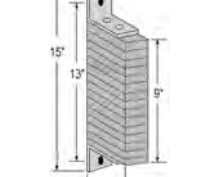
1. MTR30039
2. MSPT-42

1. MTR30067
2. FRU282551


1. FRUWCD3711-1



1. FRUXCF9657-1


1. FRUXCF9659-1
2. TRA30044


1. FRUXUB7259



1. GLOD-4



1. STO04-86278-000-00

12.2 Placards, Signs & Decals

12.2.1: PLACARDS & PLACARD ACCESSORIES

LABELMASTER®

12.2.1.1: LABELMASTER PLACARDS

LABELMASTER®

Part Number	Frame	Placards Included	Figure
LAB81-8CC	Aluminum clipped corners	Dangerous, Flammable Gas 2, Poison 6, Corrosive 8, Flammable Liquid 3, Oxidizer 5.1, Radioactive 7, Non-Flammable Gas 2, Blank.	 8 Legends
LAB81-8F0	Standard aluminum		
LAB81-8SF0	Split aluminum		
LAB81-8WFO	White aluminum		
LAB81-8WSFO	White split aluminum		
LAB81-10F0	Standard aluminum	Dangerous, Flammable Gas 2, Poison 6, Corrosive 8, Flammable 3, Oxidizer 5.1, Radioactive 7, Non-Flammable Gas 2, Explosive A, Explosive B, Blank.	 10 Legends
LAB81-10SF	Split aluminum		
LAB126-CT	Standard aluminum	Flammable 3, Combustible 3, Poison 6, Corrosive 8, Blank	 DUO-Flip
LAB126-F	Standard aluminum	Flammable 3, Combustible 3, Blank	

12.2.1.2: J.J. KELLER PLACARDS

Part Number	Frame	Placards Included	Figure
JJK670-TPF-N	White Aluminum	Combustible 3 Corrosive 8 Flammable 3 Inhalation Hazard 6 Poison 6	 5 Legends

12.2.1.3: PLACARD HOLDERS & ACCESSORIES

J.J. Keller		Labelmaster		Generic	
					
1. JJK3-TPH	S/S	1. LAB80-SM 2. LAB80-SMW 3. LAB80-SST	Aluminum White alum. S/S	1. MTR80-SM 2. MTR80-SMW	Aluminum White alum.
Labelmaster		J.J. Keller		Labelmaster	
					
1. LAB80-SM/S	Split aluminum	1. JJK2-TPH	Gray Plastic	1. LAB81-CLIP	Replacement clip

Labelmaster



- | | |
|-------------|----------------|
| 1. LAB81-FB | Fender bracket |
|-------------|----------------|

12.2.2: SIGNS



One Sided Vinyl Placard

- | | |
|-----------------|-------|
| 1. LABZRV2/1203 | Rigid |
| 2. LABIDG | Perm. |



Two Sided Vinyl Placard

- | |
|------------------|
| 1. LABZVR2/#1203 |
|------------------|

12.2.3: DECALS



17-1/4" x 11-3/4"

- | |
|-----------|
| 1. DEC1-1 |
|-----------|



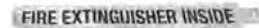
17-1/4" x 11-3/4"

- | |
|-----------|
| 1. DEC1-3 |
|-----------|



8-3/4" x 4-7/8"

- | |
|-----------|
| 1. DEC1-4 |
|-----------|



12" x 2"

- | |
|-----------|
| 1. DEC1-5 |
|-----------|



A = 1-3/4" x 10"
B = 2-1/2" x 16"

- | | |
|-----------------|---|
| 1. LABMPDFL1000 | A |
| 2. LABMPDFL2000 | B |



13-1/2" x 10-3/4"

- | |
|-------------|
| 1. LABRT-14 |
|-------------|



13-1/2" x 10-3/4"

- | |
|-------------|
| 1. LABRT-18 |
|-------------|



10-1/2" x 12"

- | |
|--------------|
| 1. LABTR-136 |
|--------------|



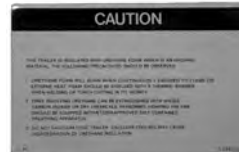
10-1/2" x 12"

- | |
|-----------------|
| 1. LABTR-136REV |
|-----------------|



8" x 4"

- | |
|-----------------|
| 1. DECAAS0GS579 |
|-----------------|



6-1/2" x 4-1/2"

- | |
|--------------------|
| 1. DECXCF005112001 |
|--------------------|



10-3/8" x 7-1/2"

- | |
|------------------|
| 1. SAFSB-STK-401 |
|------------------|

12.3 Wide Load Banners & Flags

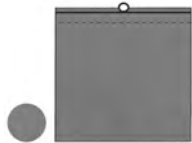
12.3.1: WIDE LOAD BANNERS



- * 13 oz. Vinyl Laminated Polyester
- * 9/16" I.D. Pressed grommets
- * Bright yellow with black letters

Part Number	Front	Rear	Size
MCAAV100	Wide Load		18" x 84"
MCAAV102	Wide Load	Oversize Load	18" x 84"
MSPWIDELOAD	Wide Load	Oversize Load	18" x 84"
MCAAV104	Oversize Load		18" x 84"
MCACV102	Wide Load	Oversize Load	12" x 72'
JJK3-RSP	Long Load		18" x 84"

12.3.2: SAFETY FLAGS

 18" x 18" 9 gauge wire with loop		 18" x 18" 9 gauge wire with loop	
1. MCAFW300C	Red cotton	1. MCAFW400C	Bright orange mesh
 18" x 18" 3/4" x 30" wooden dowel		 18" x 18" 3/4" x 30" wooden dowel	
1. MCAFS300C	Red cotton	1. MCAFS400C	Bright orange mesh
 18" x 18" Grommet		 18" x 18" 3/4" x 30" wooden dowel	
1. MSP18X18FWG	Red mesh	1. MSP18X18FWD	Red mesh

12.4 Mirrors & Accessories

12.4.1: TRUCK-LITE MIRRORS & ACCESSORIES

 L bracket included 5" diameter steel head 5/16" female adjustable stud & bolt 1. 20TL97802 Black	 L bracket included 8-1/2" diameter steel head 5/16" female adjustable stud & bolt 1. 20TL97803 Bright S/S 2. 20TL97804 Black 1. 20TL97814 Bright S/S w/offset stud	 5/16"—24 mounting studs 7" x 16" steel head 1. 20TL97806 White 2. 20TL97811 Black
 5/16"—24 mounting studs bright stainless steel head 1. 20TL97812 6" x 16" 2. 20TL97822 7" x 16"	 Heated West Coast mirror 1. 20TL97813 6" x 16"	 Heater element for West Coast mirror 1. 20TL97845
 Convex 7-1/2" diameter steel head 5/16" female adjustable ball stud & bolt Bright S/S—L bracket included 1. 20TL97815 A = 2.3" 2. 20TL97817 A = 2.1" with offset stud	 Convex 6" diameter steel head 5/16" female adjustable ball stud & bolt L bracket included 1. 20TL97819 Bright S/S	 Universal mounting bracket for convex mirror Use on 3/4" or 5/8" tube 1. 20TL97823 Bright S/S
 Tri-pod fender mount Use with coated convex mirror heads 1. 20TL97829 Bright S/S		

12.4.2: MISCELLANEOUS MIRRORS & ACCESSORIES

 Heated S/S 1. BMF500H LH 7" x 16" 2. BMF500HR RH 7" x 16"	 8" Convex S/S 1. BMF904E Standard 2. BMF904EO Offset	
---	--	--

12.5 Fire Extinguishers & Other Safety Equipment

12.5.1: FIRE EXTINGUISHERS

*Metal valve
*With bracket & hose



1. WLK466418

5 lbs.

*Plastic valve
*With bracket



1. WLK466413FS

2.75 lbs.

12.5.2: GRAB HANDLES



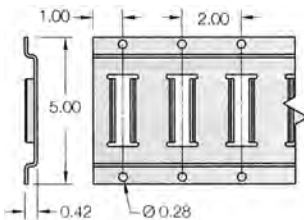
1. POL817C

13.1: Logistic Track	2
13.2: Shoring Beams & Accessories	3
13.3: Load Bars & Accessories	4
13.4: Logistic Straps	5
13.5: Ratchets & Ratchet Straps	6
13.6: Winches, Winch Track, & Winch Bars	7
13.7: Winch Straps	8
13.8: Tie Downs	9
13.9: Chain, Binders, and Accessories	10
13.10: Tarp Straps & Accessories	12
13.11: Other Cargo Control Accessories & Ship Lashings	13

13.1 Logistic Track

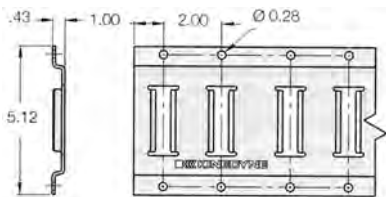
13.1.1: "E" TRACK

Painted Horizontal 12 ga.



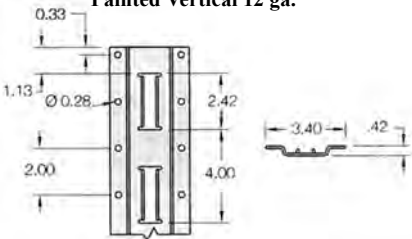
- | | |
|--------------|--------------|
| 1. KIN43002 | 10' Kinedyne |
| 2. MSCETRACK | 10' Generic |

Galvanized Horizontal 12 ga.



- | | |
|----------------|---------------|
| 1. KIN43001 | 10' Kinedyne |
| 2. MRF50282052 | 52'6" Generic |

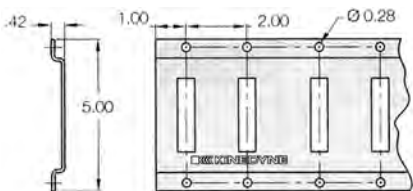
Painted Vertical 12 ga.



- | | |
|------------|--------------|
| 1. KIN2019 | 10' Kinedyne |
|------------|--------------|

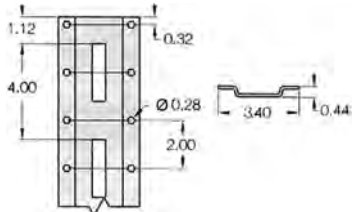
13.1.2: "A" TRACK

Galvanized Horizontal 12 ga.



- | | |
|-----------------------|-------------|
| 1. BINBK-TS200303-10A | 10' Binkley |
|-----------------------|-------------|

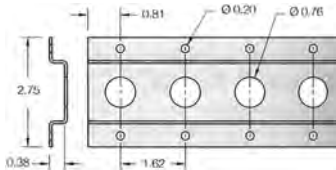
Painted Vertical 11 ga.



- | | |
|------------|--------------|
| 1. KIN2025 | 10' Kinedyne |
|------------|--------------|

13.1.3: "F" TRACK

Galvanized Horizontal & Vertical 15 ga.



- | | |
|------------|--------------|
| 1. KIN2005 | 10' Kinedyne |
|------------|--------------|

13.2 Shoring Beams & Accessories

KINEDYNE

13.2.1: KINEDYNE "E" & "A" STYLE BEAMS & ACCESSORIES

KINEDYNE

Standard Aluminum "E" & "A" Beams
(2,000 lb. rating)



1. KINFE8066-1
2. KINFE8066-3

Adjusts
85"—94.7"
92.2"—102"

Heavy Duty Aluminum "E" & "A" Beams
(2,500 lb. rating)



1. KINFE8000-1
2. KINFE8000-12

Adjusts
85"—94.7"
92.2"—102"

Head Unit
for "E" & "A" Beams



1. KINFE7955-8

Attaching Pin
for "E" & "A" Beams



1. KINFE7053-1

Wood Beam Socket
for "E" & "A" Beams



(use 2" x 6" wood beams)

1. KIN1845

Standard

13.2.2: SHORING BEAMS

Standard Aluminum "E" & "A" Beams
(2,000 lb. rating)



1. ACR43638-10
2. ACR43638-11

Adjusts
84.5"—94.5"
90.8"—101.7"

"F" Style Round Shoring Bars

(Push button adjustments)
Adjusts in 5" increments (500 lb. rating) Horizontal or Vertical
1.66" round diameter



KINEDYNE

1. KIN1816-1

Adjusts
79"—93"



13.3 Load Bars & Accessories



13.3.1: ANCRA LOAD BARS & ACCESSORIES

Ancra Cargo Hoop Set
bar not included



Hoops & all attaching hardware included
Fits 1.5" tube diameter

1. ACR43991-10

Steel Cargo Bar



1. ACR48407-10
2. ACR49205-11

Fits 89-3/4" - 104-1/2"
Fits 89-3/4" - 104-1/2"

Steel One Piece Square Cargo Jack



Bolt-on Feet

1. ACR49205-23

Fits 85" - 113-1/2"



13.3.2: MULTIPRENS LOAD BARS & ACCESSORIES



Steel One Piece Square Ratchet Bar



1. MULCB320

Adjusts
86"-105"

Steel One Piece Round Jack Bar



1. MULFM201

Adjusts
86"-105"

One Piece Square Jack Bar



1. MULMB101

Adjusts
86"-109"

13.4 Logistic Straps



13.4.1: KINEDYNE LOGISTIC STRAPS



13.4.1.1: KINEDYNE 2" LOGISTIC STRAPS WITH 811 RATCHET BUCKLE

Part Number	Strap Length	End Hardware	Figure
KIN641201	12'	Series "E" or "A" FE8306-1 Spring fitting	
KIN641601	16'		
KIN641602	16'	Series "E" or "A" 43020-1 3-piece fitting	



13.4.1.2: KINEDYNE 2" LOGISTIC STRAPS WITH 910 CAM BUCKLE



Part Number	Strap Length	End Hardware	Figure
KIN651201	12'	Series "E" or "A" FE8306-1 Spring fitting	
KIN651601	16'		
KIN652001	20'		
KIN651202	12'	Series "E" or "A" 43020-1 3-piece fitting	
KIN651602	16'		
KIN651235	12'	Series "F" FE8427-1 Plate trailer hook	



13.4.1.3: KINEDYNE 1" RATCHET STRAP



Part Number	Strap Length	End Hardware	Figure
KIN711681-45PK	16'	Packaged with wire hook & D-ring	

13.5 Ratchets & Ratchet Straps

13.5.1: KINEDYNE 2" RATCHET STRAPS WITH 804 WIDE HANDLE

Part Number	Strap Length	End Hardware	Figure
KIN512720	27'	#1015 Flat hook	 10,000 breaking strength
KIN513020	30'	#1015 Flat hook	

13.5.2: KINEDYNE 2" RATCHET STRAPS WITH 803 LONG WIDE HANDLE

Part Number	Strap Length	End Hardware	Figure
KIN573020	30'	#1015 Flat hook	 10,000 breaking strength

13.5.3: ANCRA 2" RATCHET STRAPS WITH 44587-10 WIDE HANDLE



(10,000 lb. Braking Strength)



Part Number	Strap Length	End Hardware	Figure
ACR45982-11-30	30'	Flat hook	 10,000 breaking strength



13.5.4: KINEDYNE RATCHETS



Part Number	Description	Figure
KIN804	2" Wide handle	 11,000 breaking strength

13.6 Winches, Winch Track & Winch Bars

13.6.1: MULTIPRENS WINCHES

Low Profile Weld-on Webbing Winch



1. MUL1105

Low Profile Portable Webbing Winch



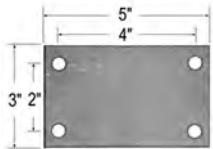
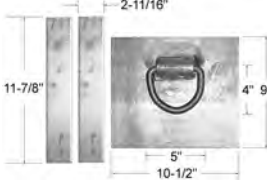
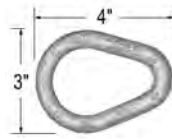
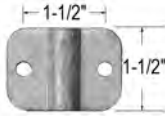
1. MUL1605

13.7 Winch Strap

 13.7.1: KINEDYNE WINCH STRAPS 		
2" Strap with Flat Hook  1. KIN22272027' 2. KIN22302030'	3" Strap with Flat Hook  1. KIN32272127' 2. KIN32302130'	4" Strap with Flat Hook  1. KIN42272127' 2. KIN42302130'
4" Strap with Delta Ring  1. KIN42271027' 2. KIN42301030'	4" Strap with Sewn Loop  1. KIN42303030'	4" Strap with Chain Anchor  1. KIN42304030'
 13.7.2: ANCRA WINCH STRAPS 		
4" Strap with Flat Hook  1. ACR43795-10-30P30'	4" Strap with D Hook  1. ACR43795-21-3030'	

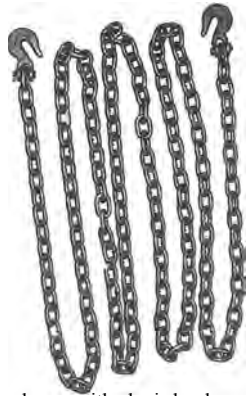
13.8 Tie Downs

13.8.1: TIE DOWNS

 1. GERMODEL A-3 3" Crossmember 2. GERMODEL A-4 4" Crossmember	 1. GERMODEL B-4 4" Crossmember	 1. GERMODEL D-4 4" Crossmember
Mounting Plate for Chain Tie Downs  1. GERMODEL-A-PLATES(3x5)	D-Ring Assembly  1. MTR28000739	D-Ring with Clip  1. FLT982-00046
D-Ring with Clip  1. MTRA1300003 Galv.	D-Ring with Clip  1. FRUCB8819-900 Complete Ring 2. FRUCB8819-1 Ring 3. FRUCB8820-1 Ring Clip	D-Ring  1. FRUXCE2930-1
Teardrop Ring  1. FRUXCB1008	Tie Down Ring  1. CAR36-250 3-1/2" OD	Tie Down Ring  1. POL0701
D-Ring  1. MTRA1300028 3-1/2" OD	Tie Down Ring  1. MTRA1300091	Recess Hold Down for Plate Trailer  1. MTRA1300004 4-7/8" OD
Recess Hold Down for Plate Trailer  1. MTRA1300034 4-7/8 OD	Recess Hold Down for Plate Trailer  1. MTRA1300062 4-3/4" OD	Ring Clip  1. FRUXCC9455-1

13.9 Chain, Binders & Accessories

CM
COLUMBUS McKINNON
13.9.1: CHAINS
CM
COLUMBUS McKINNON

Part Number	Size	Grade	Type Hook	Working Load Limit	Figure
CMK638219	3/8" x 20'	43	Clevis	5,400 lbs.	 shown with clevis hook
CMK638241	3/8" x 20'	43	Welded	5,400 lbs.	
CMK638220	3/8" x 25'	43	Clevis	5,400 lbs.	
CMK638240	3/8" x 16"	43	Welded	5,400 lbs.	
CMK639094	3/8" x 20' LL*	70	Clevis	6,600 lbs.	
CMKS894921	3/8" x 25'	70	Clevis	6,600 lbs.	
CMK638320	5/16" x 20'	70	Clevis	4,700 lbs.	
CMK638284	5/16" x 20'	70	Clevis	4,700 lbs.	
CMK639024	5/16" x 20' LL*	70	Welded	4,700 lbs.	
CMK638322	5/16" x 25'	70	Clevis	4,700 lbs.	
CMK638279	5/16" x 20'	70	Clevis	4,700 lbs.	
CMK639079	5/16" x 25' LL*	70	Clevis	4,700 lbs.	

*LL = Long Link; uses longer chain lengths to make assembly.

13.9.2: BINDERS
 DIXIE INDUSTRIES

 DIXIE INDUSTRIES
13.9.2.1: LEVER BINDERS

Part Number	Chain Size G-43 G-70		Take Up	Handle Length	Working Load Limit	Figure
DIX48305	3/8"	5/16"	4-1/2"	16-1/8"	5,400 lbs.	
DIX48306	1/2"	3/8"	4-1/2"	16-5/8"	9,200 lbs.	
DIX48314	1/4"	1/4"	2-3/4"	11-1/4"	2,600 lbs.	

 DIXIE INDUSTRIES
13.9.2.2: RATCHET BINDERS
 DIXIE INDUSTRIES

Part Number	Chain Size G-43 G-70		Take Up	Handle Length	Working Load Limit	Figure
DIX48810	3/8"	5/16"	8"	12"	5,400 lbs.	
DIX48364	1/4"	1/4"	4"	10-1/4"	2,600 lbs.	
DIX48365	3/8"	5/16"	8"	14"	5,400 lbs.	
DIX48366	1/2"	3/8"	8"	14"	9,200 lbs.	

13.9.3: CLEVIS

Clevis Grab Hook for 5/16" Chain  Working Load Limit 1. CMKM805A 4,500	Safety Chain Lock  1. CMK410AWL	Latch Kit  1. CMK595474
Clevis Grab Hook for 3/8" Chain  For use with G-43 Working Load Limit 1. DIX62392 4,500	Clevis Grab Hook for 3/8" Chain  For use with G-70 Working Load Limit 1. DIX62373 6,600	Clevis Grab Hook for 5/16" Chain  For use with G-70 Working Load Limit 1. DIX62273 3,900
Twin Clevis Link for 1/2" Chain  1. MTR21700260	Double Clevis Mid-Line  For use with G-43 & G-70 chain 1/4" 5/16" 3/8" 1. CMKM605	Coupling Link for 1/2" Chain  Working Load Limit 1. CMK664250 12,000 lbs
Safety Chain Latch  1. CMK4X410 A 5/8" B 2-3/16" 2. CMK4X412 A 5/8" B 2-3/4"		

13.10 Tarp Straps & Accessories

13.10.1: TARP STRAPS

Part Number	Length	Heavy Duty	Figure
RUB197940	10'	X	
RUB197840	15"	X	
RUB196940	21"	X	
RUB197740	31"	X	
RUB738940	41"	X	

13.10.2: TARP STRAP ACCESSORIES

Replacement S-Hook



1. RUB2.5

2.5"

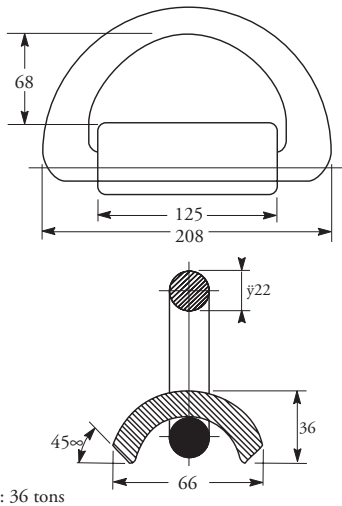
Decal



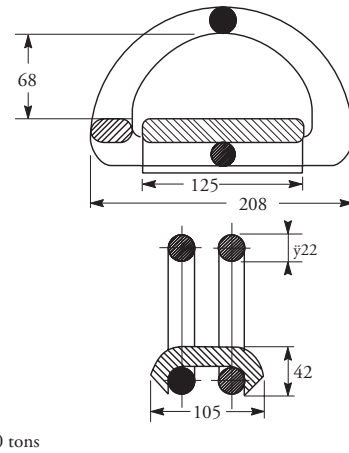
1. DEC7-8

13.11 Other Cargo Control Accessories & Ship Lashings

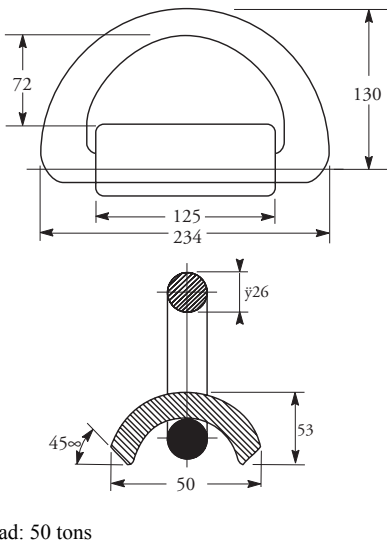
13.11.1: D-RINGS



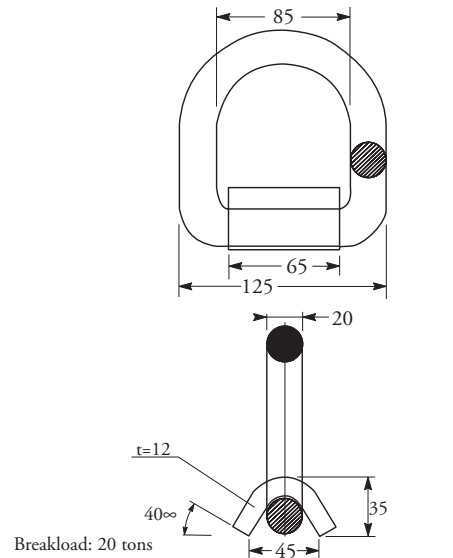
Material Construction	Treatment	Weight (kg)
Drop Forged Mild Steel	Self-Colored	2.40
1. 56 ML-1130 D-Ring with Welding Strap		



Material Construction	Treatment	Weight (kg)
Drop Forged Mild Steel	Self-Colored	5.10
1. 56 ML-1140 Double D-Ring with Welding Strap		

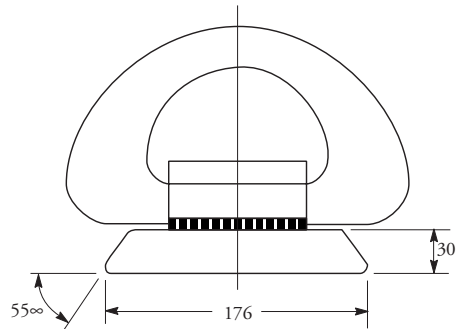
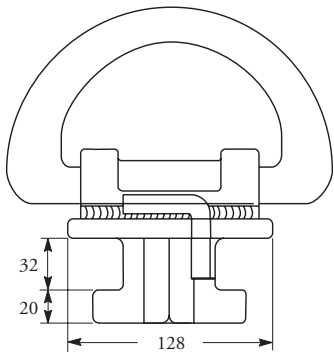


Material Construction	Treatment	Weight (kg)
Drop Forged Mild Steel	Self-Colored	2.40
1. 56 ML-1150 D-Ring with Welding Strap		



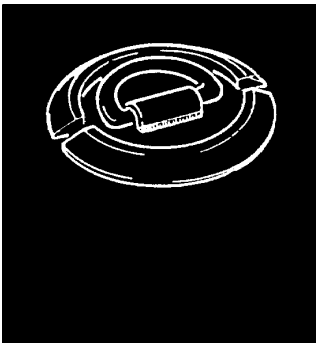
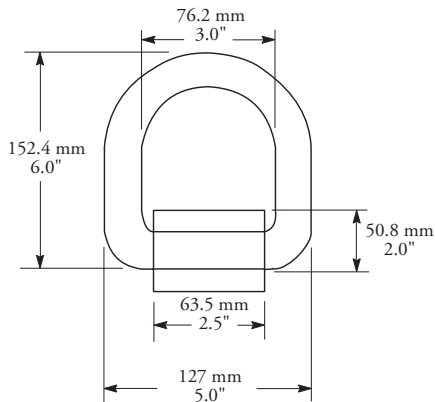
Material Construction	Treatment	Weight (kg)
Drop Forged Mild Steel	Self-Colored	1.60
1. 56 ML-1160 Double D-Ring with Welding Strap		

13.11.1: D-RINGS



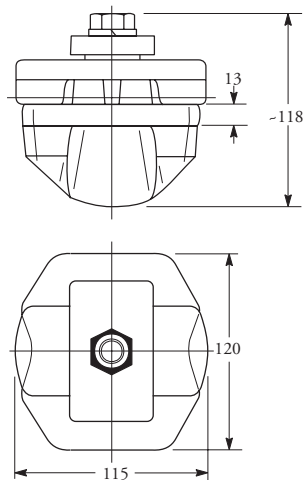
Breakload: various breakloads available upon request (36/50 ton).
Sliding Plate: Available in 45° and 55° versions. Please specify when ordering.

Treatment	Weight (kg)	Material Construction	Treatment	Weight (kg)
Painted	2.40	Drop Forged Mild Steel	Painted	11.5
1. 65 ML-DRL-36		1. 65 ML-DRS-50 Sliding Lashing Eye		

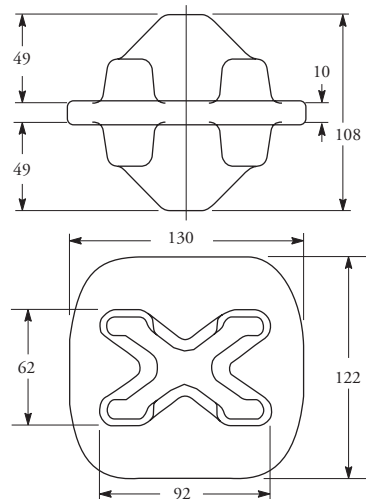


Breaking Strength	Strap Height	Material Diameter
46,760 lbs	1.38"	1.0"
1. 56 ML-1120 D-Ring with Welding Strap		1. Protection Rings

13.11.2: STACKERS - INTERMEDIATE

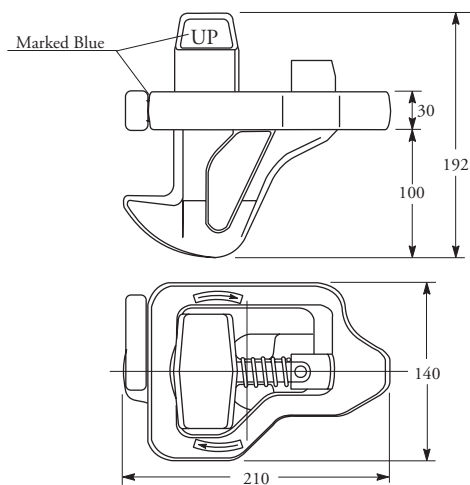


Breakload: Shear 420 kN

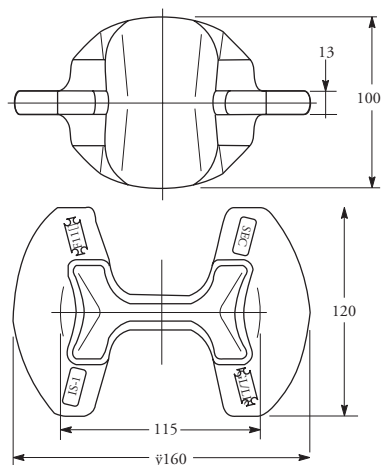


Breakload: 400 kN

Material Construction	Item Code	Treatment	Weight (kg)	Material Construction	Treatment	Weight (kg)
Drop Forged	IS-4011B.000.50	Hot Dip Galvanized	~3.6	Cast Iron	Zincd	4.0
1. 65 ML-IS-1T Twist Stacker				1. 56 ML-2080 Single Intermediate Stacking Cone		



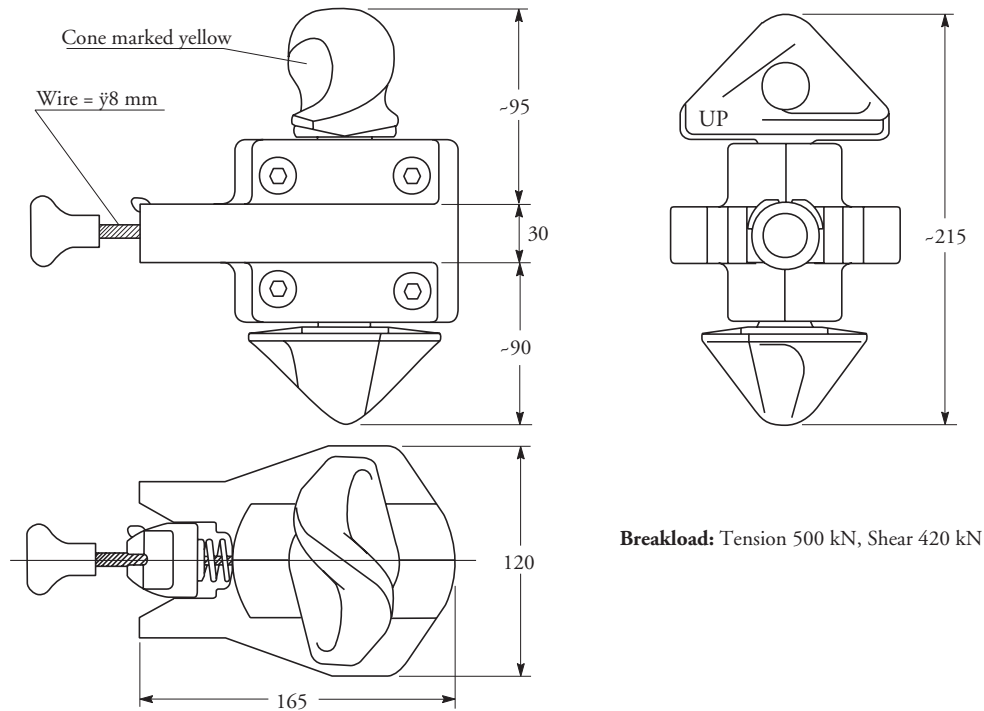
Breakload: Tension 500 kN, Shear 420 kN



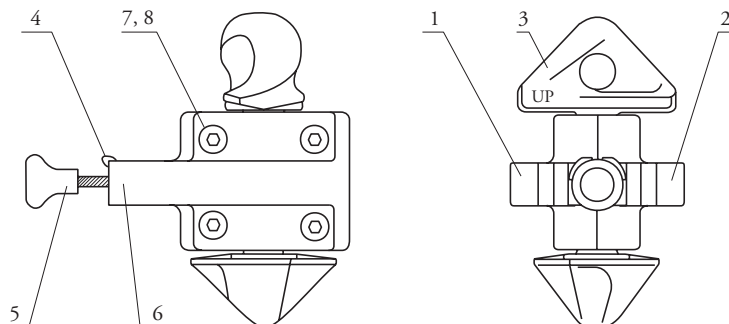
Breakload: Shear 420 kN

Material Construction	Item Code	Treatment	Weight (kg)	Material Construction	Item Code	Treatment	Weight (kg)
Drop Forged	TL-9062C.000.55	Hot Dip Galvanized	~7.9	Drop Forged	IS-1019C.000.50	Hot Dip Galvanized	~2.65
1. 65 ML-TL-M/L Midlock				1. 65 ML-IS-1 Single Stacker			

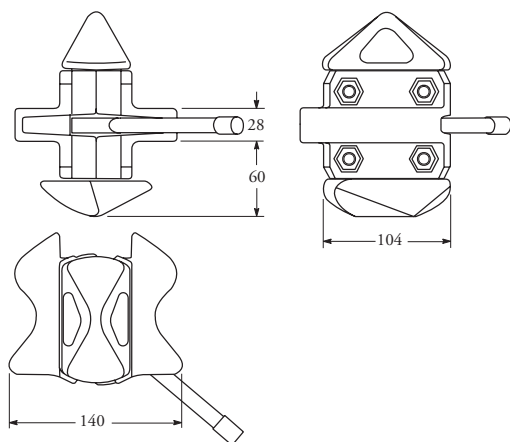
13.11.3: TWISTLOCKS - INTERMEDIATE



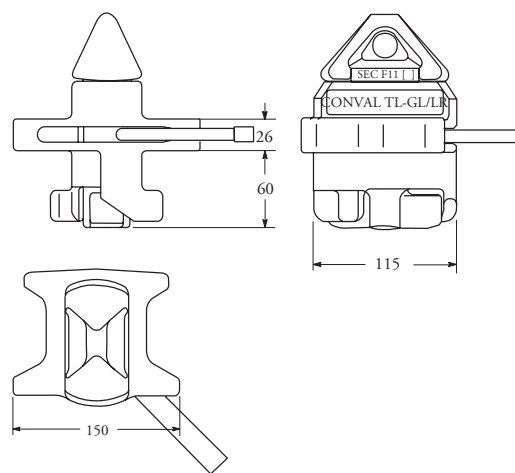
Item Code	Material Construction	Treatment	Weight (kg)
TL-5023B.000.54	Drop Forged Cast Iron	Hot-dipped Galvanized	~6.7
1. 65 ML TL-A Semi-Automatic Twistlock			

13.11.3: TWISTLOCKS - INTERMEDIATE


Item	Type	Item Code	Treatment	Material	Weight
Semi Automatic Twistlock	TL-A	TL-5023B.000.54	Hot dip galv.	Cast iron drop forged	~6.7
Right half	Pos. 1	TL-5020.000.50	Hot dip galv.	Mild steel	~1.80
Left half	Pos. 2	TL-5019.000.50	Hot dip galv.	Mild steel	~1.80
Cone	Pos. 3	TL-7075.000.54	Hot dip galv.	High tensile steel	~2.60
Locking device	Pos. 4	TL-5003B.000.50	Hot dip galv.	Cast iron	~0.15
Traction rope	Pos. 5	TL-7018.001.00	Untreated	Wire	~0.10
Spring	Pos. 6	TL-7037.000.00	Untreated	Spring steel	~0.02
Hex. sock. head cap screw	Pos. 7	TL-7026.000.51	Electro. galv.		
Nut	Pos. 8	TL-7030.000.51	Electro. galv.		



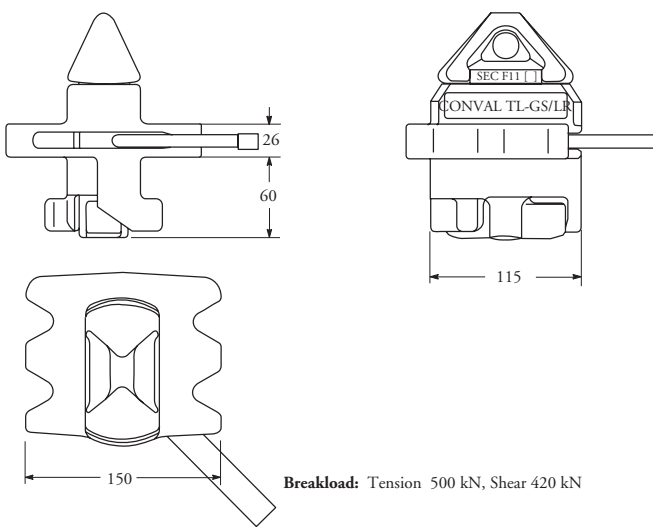
Breakload: Tension 500 kN, Shear 420 kN



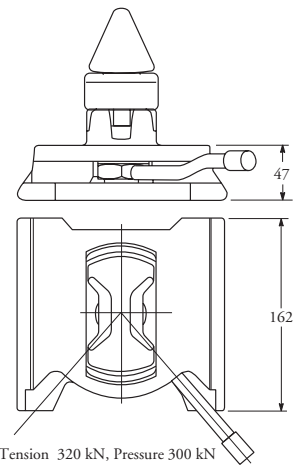
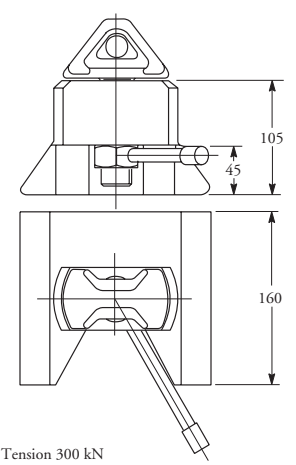
Breakload: Tension 500 kN, Shear 420 kN

Item Code	Material Construction	Treatment	Weight (kg)	Item Code	Material Construction	Treatment	Weight (kg)
TL-3000.000.50	Drop Forged Cast Iron	Hot-dipped Galv.	~5.3	TLI-1030H.000.50	Drop Forged Mild Steel	Hot-dipped Galv.	~4.85
1. 65 ML TL-L Twistlock				1. 65 ML TL-S Twistlock			

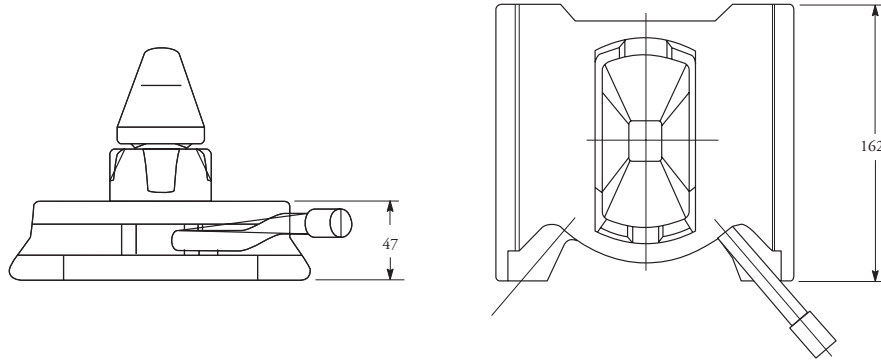
13.11.3: TWISTLOCKS - INTERMEDIATE

 Breakload: Tension 500 kN, Shear 420 kN			
Item Code	Material Construction	Treatment	Weight (kg)
TL-8006H.000.50	Drop Forged Mild Steel	Hot-dipped Galv.	~5.85
1. 65 ML TL-GS Twistlock			

13.11.4: TWISTLOCKS - BOTTOM

 Breakload: Tension 320 kN, Pressure 300 kN				 Breakload: Tension 300 kN			
Item Code	Material Construction	Treatment	Weight (kg)	Item Code	Material Construction	Treatment	Weight (kg)
TL-4025B.000.50	Drop Forged Cast Iron	Hot-dipped Galv.	~8.5	TL-4036.000.50	Drop Forged Mild Steel	Hot-dipped Galv.	~10.5
65ML TL-BLL Bottom Twistlock				65 ML TL-BQL/SEC Bottom Twistlock			

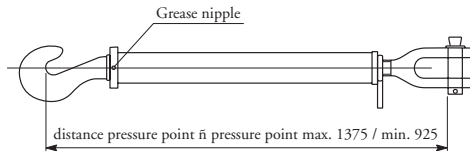
13.11.4: TWISTLOCKS - BOTTOM



Breakload: Tension 360 kN, Shear 420 kN

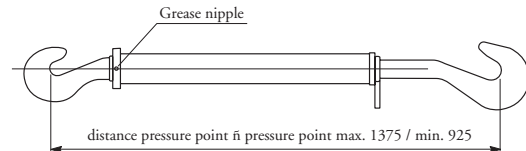
Item Code	Material Construction	Treatment	Weight (kg)
TL-4039.000.50	Drop Forged Mild Steel	Hot-dipped Galv.	~7.5
1. 65 ML TL-BL Bottom Twistlock			

13.11.5: TURNBUCKLES



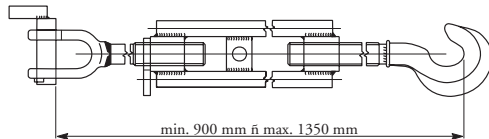
Breakload: Tension 500kN

Material	Item Code	Treatment	Weight (kg)
Drop forged mild steel	RS-1010A.000.50	Hot dipped galvanized	~15.4
1. 65 ML-RS-FH Turnbuckle			

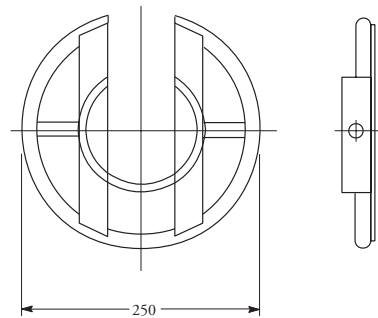


Breakload: Tension 500kN

Material	Item Code	Treatment	Weight (kg)
Drop forged mild steel	RS-1009B.000.50	Hot dipped galvanized	~16.0
1. 56 ML-RS-HH Turnbuckle			



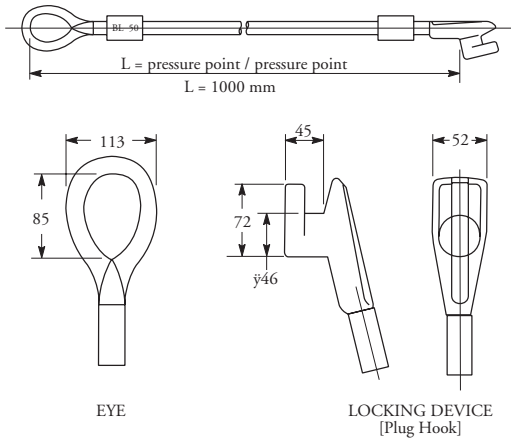
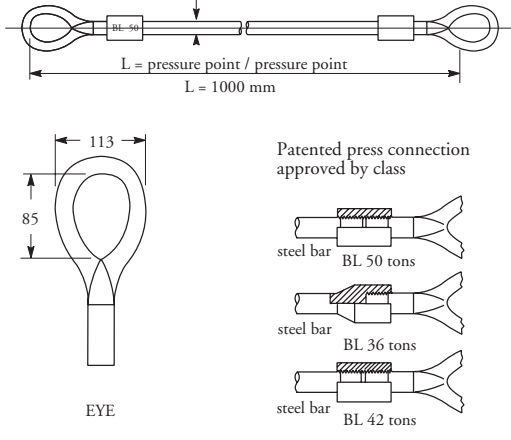
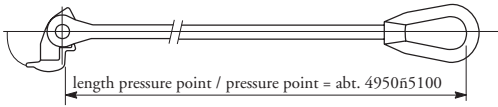
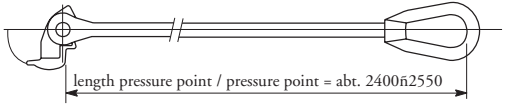
1. 56 ML-4010HJ36 Turnbuckle Hook/Jaw Open Body 36T



Material	Item Code	Treatment	Weight (kg)
Mild steel	OT-6000.000.50	Hot dipped galvanized	~2.1

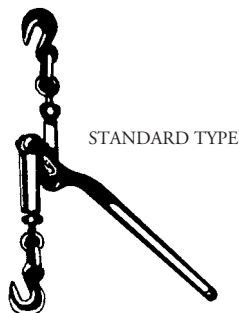
1. 56 ML-4010HW Handwheel

13.11.6: LASHING BARS

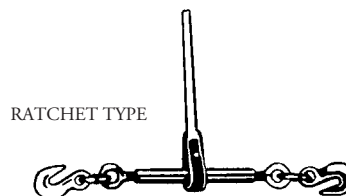
 L=Length in mm from pressure point to pressure point. Please specify when ordering Breakload: 50 tons (other breakloads and diameters available upon request) Weight is 6.1 kg for first meter incl. end fittings plus 1.9 kg for each additional meter of material.				 L=Length in mm from pressure point to pressure point. Please specify when ordering Breakload: 50 tons (other breakloads and diameters available upon request) Weight is 6.1 kg for first meter incl. end fittings plus 1.9 kg for each additional meter of material.			
Material Construction	Treatment	Weight		Material Construction	Treatment	Weight	
Drop forged	Hot dipped galvanized	see above		Drop forged	Hot dipped galvanized	see above	
1. 56 ML 4070 Lashing Bar				1. 65 ML R-EE-50 Lashing Bar			
 length pressure point / pressure point = abt. 4950n5100 Breakload: Tension 500 kN				 length pressure point / pressure point = abt. 2400n2550 Breakload: Tension 500 kN			
Material Construction	Item Code	Treatment	Weight (kg)	Material Construction	Item Code	Treatment	Weight (kg)
Drop forged high tens. steel	R-4002.LNG	Hot dipped galvanized	~25.0	Drop forged high tens. steel	R-4002.SHO	Hot dipped galvanized	~14.0
1. 65 ML R-ES/LNG Lashing Bar				1. 65 ML R-ES/SHO			

13.11.7: HEAVY DUTY LOAD BINDERS

Completely drop-forged and heat-treated, made from special Mn-Alloy steel, strength to break high test chain, red colored.



STANDARD TYPE



RATCHET TYPE

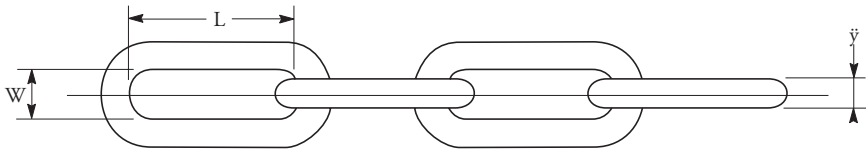
Model Number	Type	Construction	For Chain Size	Length of Handle	Take Up	Breaking Strength	Weight Each
W.M.	STD	Drop Forged and Wire	3/16-1/4	12	3	1,000 lbs.	3
M.M.	STD	Drop Forged	3/16-1/4	12	3	4,500 lbs.	3
B-1	STD	Drop Forged	5/16-1/4	18	4 1/2	19,000 lbs.	8
7-1	STD	Drop Forged	5/16-3/8	16	4 1/2	19,000 lbs.	7.4
B-2	STD	Drop Forged	1/2-5/8	19	4 1/2	26,000 lbs.	13
A-1	STD	Drop Forged	3/8-1/2	18 1/2	4 1/2	33,000 lbs.	11.9
R-7	Ratchet	Mall and Forged	3/8	14	8	19,000 lbs.	10.8
R-A	Ratchet	Mall and Forged	1/2	14	8	33,000 lbs.	12.75



CHAIN, HIGH TEST
Packed in drums of 300 and 600 Lbs.

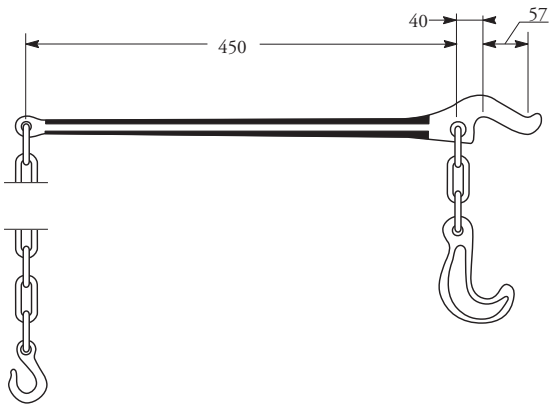
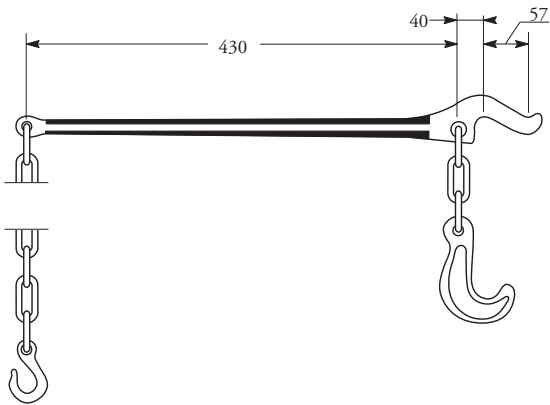
Trade Size, Inches	Material Size, Inches	Inside Length of Link, Inches	Inside Width of Link, Inches	Outside Length of Link, Inches	Outside Width of Link, Inches	Feet per Std. Drum	Approx. Wt. per 100 feet, pounds	Working Load Limit, Pounds	Trade Size, Inches
1/4	9/32	0.82	0.39	1.38	0.95	800	80	2600	1/4
5/16	11/32	1.01	0.48	1.70	1.17	550	123	3900	5/16
3/8	13/32	1.15	0.56	1.96	1.37	400	175	5400	3/8
7/16	15/32	1.29	0.65	2.23	1.59	300	235	7200	7/16
1/2	17/32	1.43	0.75	2.49	1.81	200	300	9200	1/2
5/8	21/32	1.79	0.90	3.10	2.21	150	450	14000	5/8
3/4	25/32	1.96	1.06	3.52	2.62	100	655	19750	3/4

13.11.8: LASHING CHAINS AND COMPONENTS



Part #	Description	Material	Treatment	Inside Length Diameter "L" (mm)	Inside Width Diameter "W" (mm)	Breakload (tons)	Weight (lbs/ft)
56 ML 5151	11 mm chain	C Mn Si Steel	Painted (blue)	63.0	18.0	15.0	1.25
56 ML 5162	13 mm chain	C Mn Si Steel	Painted (orange)	80.0	23.0	20.0	1.98

1. 56 ML-516 Lashing chain

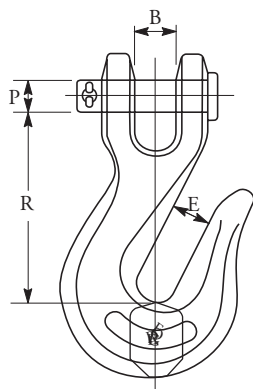


1. 56 ML-5140 11 mm Tensioner

1. 56 ML-5150 13 mm Tensioner

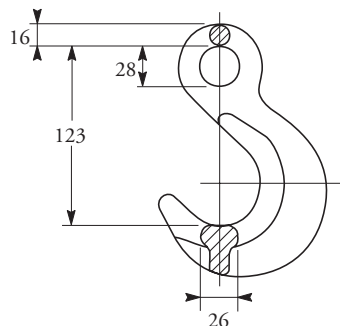
Part #	Description	Material	Treatment	Breakload (tons)	Weight per pc. (kg)
56 ML-5140	11 mm Tensioner	C Mn Steel	Painted (blue)	15.0	4.4
56 ML-5150	13 mm Tensioner	C Mn Steel	Painted (orange)	20.0	5.0

13.11.8: LASHING CHAINS AND COMPONENTS



Size of Chain	Safe Working Load		Dimensions in Inches				Wt. (lbs)
	H-330	A-330	B	E	P	R	
3/8"	5,400	7,500	19/3	1/2	15/3	2 15/32	1.00

1. H-330 Forged Carbon Steel Grab Hook

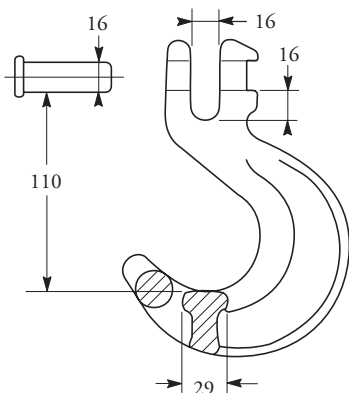


Breakload: 20 Tons

Note: Used with 13 mm chain.

Material	Treatment	Weight (kg)
C Mn Steel (Grade 80)	Painted	1.25

1. 56 ML-5030 Eye Hook

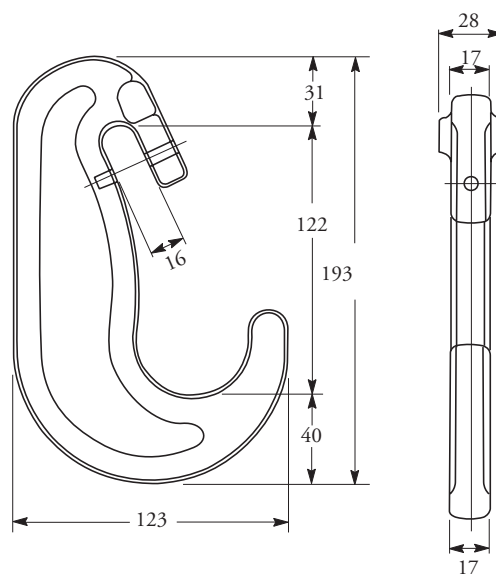


Breakload: 20 Tons

Note: Used with 13 mm chain.

Material	Treatment	Weight (kg)
C Mn Steel (Grade 80)	Painted	1.46

1. 56 ML-5050 Clevis Hook



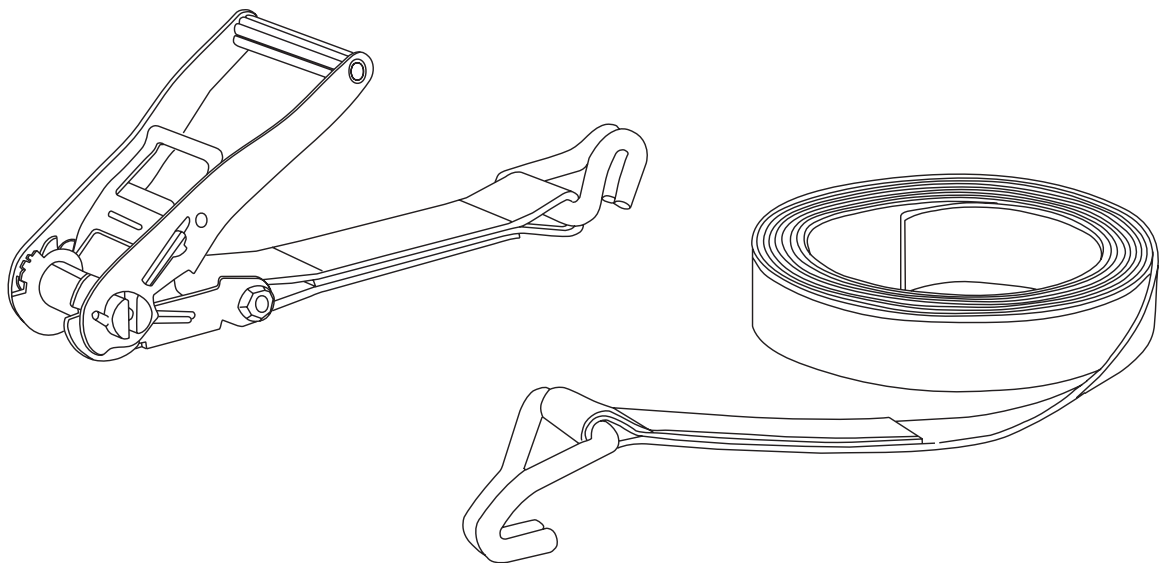
Breakload: 20 Tons

Note: Used with 13 mm chain.

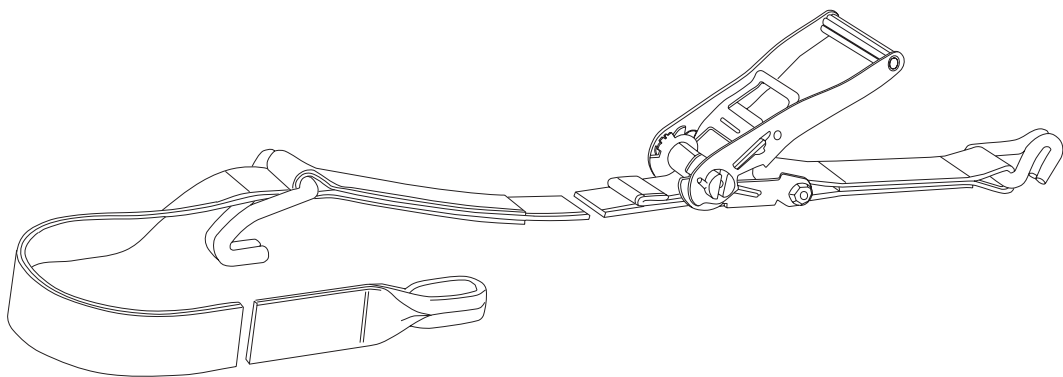
Material	Treatment	Weight (kg)
C Mn Steel (Grade 80)	Painted	1.5

1. 56 ML-5057 Clevis Hook

13.11.9: RO-RO/LO-LO EQUIPMENT - WEB LASHINGS



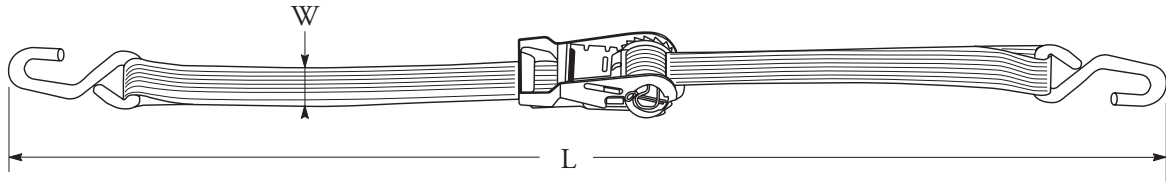
Breakload	Length	Width
8800 lb	30 feet	2 inch
1. 61 ML-RAT4 Ratchet Strap Assembly		



Length hook to eye 1 m dubplex webbing

Breakload	Length	Weight
5000 kg	B/B 3.2 m (or upon request)	2.3 kg
1. 61 ML-ROLLASH Rollash		

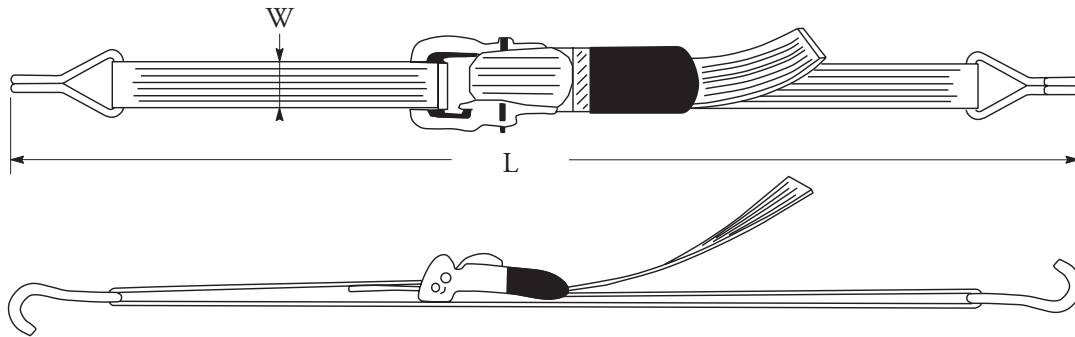
13.11.9: RO-RO/LO-LO EQUIPMENT - WEB LASHINGS



Offered with PVC-dipped Thread Hooks and White webbing

Webbing Width (W) mm	Length (L) Min-Max (mm)	Breakload (kg)
25	500-2400	3600

61 ML-CL-RAT Ratchet Strap Assembly



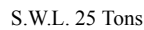
Offered with PVC-dipped Flat Hooks or Thread Hooks. Please specify when ordering.

Webbing untreated, unless otherwise requested.

Webbing Width (W) mm	Length (L) Min-Max (mm)	Breakload (kg)
25	500-2000	1500
27	500-2000	1500
28	500-2000	2000

61 ML-CL-K Car Lashing

13: Cargo Control



Technical drawing of a cabinet showing dimensions and material callouts. The overall width is 1420 and the overall height is 1250. The cabinet features a central panel and two side panels, each with a handle. A spring mechanism is shown at the bottom center, with a dimension of 200. The base is labeled 'HARDWOOD'.

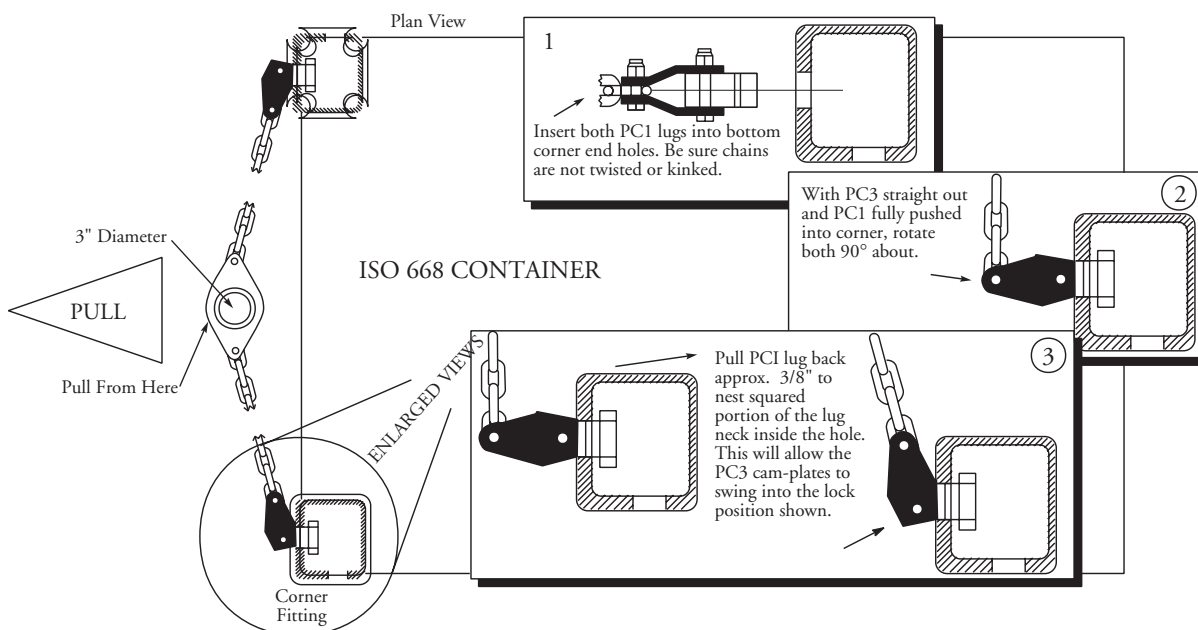
Technical drawing of the 'WOODEN PLATE' component. The main view shows a tripod-like structure with a central vertical rod and a horizontal rod passing through a circular 'HANDWHEEL' at the top. The base is a rectangular plate with a width of 400 mm and a height of 7 mm. The total height of the structure is labeled 'L'. A detail view on the right shows a cross-section of the top assembly, including a 'TR 50 x 6' threaded rod and a 'HEX 19' nut. A note indicates '(Pneumatic Drive Optional)'.

1.	65 ML-ML-TL Trailer Jack
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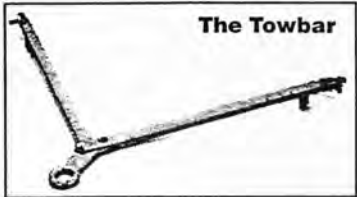
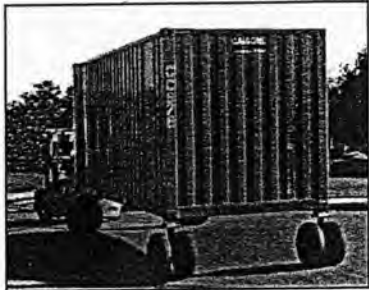
Characteristic/ Type	Height Adjustment Min/Max (mm)	Unit Weight	Breaking Load (tons)
Handwheel	750-1050	36 kg	48.0
Pneumatic	750-1050	38 kg	48.0
Handwheel	950-1250	39 kg	48.0
Pneumatic	950-1250	41 kg	48.0

13.11.11: MISC. EQUIPMENT - PULLING CHAIN ASSEMBLY

WEIGHT: 46 LB. • PAINTED



13.11.12: CONTAINER CASTERS



Polyurethane Tread Casters

CASTER CAPACITY	DIAMETER (INCHES)	WIDTH (INCHES)	OVERALL HEIGHT	WEIGHT (APPROX)	BOLT HOLE PATTERN
2,500	8	3	10 1/8	19.5	3 3/8 X 5 1/4
3,000	10	3	11 1/2	22.5	3 3/8 X 5 1/4
5,000	10	5	12 1/2	32.0	4 1/2 X 6
6,000	12	5	15 1/2	48.0	4 1/2 X 6
8,400	16	5	19	60.0	4 1/2 X 6
10,000	10 DUAL WHEELS	5	13 1/2	115.0	7 X 7
12,000	12 DUAL WHEELS	5	15 1/2	90.0	7 X 7
16,800	16 DUAL WHEELS	5	19 1/2	200.0	7 X 7

Shock Absorbing Casters

CASTER CAPACITY	DIAMETER (INCHES)	WIDTH (INCHES)	OVERALL HEIGHT	WEIGHT (APPROX)	BOLT HOLE PATTERN
min 1000 max 2000	8	3	11	27	7 x 7
min 4400 max 6000	12	5	17	290	7 x 7
min 5000 max 7000	16	5	21	345	7 x 7

Pneumatic Casters

CASTER CAPACITY	DIAMETER (INCHES)	WIDTH (INCHES)	OVERALL HEIGHT	WEIGHT (APPROX)	BOLT HOLE PATTERN
2,460	16	6.50	19 1/8	71	7 x 7
3,120	18	5.70	21 1/2	82	7 x 7
4,840	21	6.90	24 1/4	130	7 x 7
5,550	23	6.50	26 1/4	135	7 x 7
7,250	25	7.50	28 3/4	140	7 x 7
10,000	19.54	8.0	23 5/8	CALL	7 x 7
15,000	24.88	11.0	30.0	CALL	7 x 7

Forged Steel

CASTER CAPACITY	DIAMETER (INCHES)	WIDTH (INCHES)	OVERALL HEIGHT	WEIGHT (APPROX)	BOLT HOLE PATTERN	CASTER PART NO.	SWIVEL RIGID	
40,000	8	4	11 1/2	86	7 x 7	2125FST0840	S	R
40,000	10	4	13 1/2	100	7 x 7	295FST1040	S	R



14.1: Bolts	3
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**This Section is Designed for
Reference Only**

In many cases, these parts are not stocked at the distribution center, but may be stocked at your local Martec warehouse. Please contact your local distributor for more information.



Martec International has made every attempt to publish this parts catalog as error-free as possible.

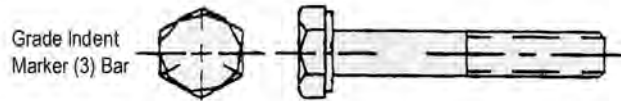
In the event that you discover an error, please fax the correction to the Martec Parts Marketing Department at:

1-800-8MARTEC

Thank you.

14.1 Bolts

14.1.1: GRADE 5 HEX HEAD BOLTS (BLT1)



Part Number	Size	Threads/ Inch	Length
BLT1-100	.25"	20	.50"
BLT1-101	.25"	28	.50"
BLT1-102	.25"	20	.62"
BLT1-104	.25"	28	.75"
BLT1-105	.25"	28	1.00"
BLT1-108	.25"	20	1.00"
BLT1-109	.25"	20	1.25"
BLT1-11	.25"	20	1.25"
BLT1-110	.25"	20	1.25"
BLT1-111	.25"	20	1.50"
BLT1-112	.25"	28	1.50"
BLT1-113	.25"	28	1.75"
BLT1-114	.25"	28	1.75"
BLT1-115	.25"	20	2.00"
BLT1-116	.25"	28	2.00"
BLT1-117	.25"	20	2.25"
BLT1-118	.25"	28	2.50"
BLT1-119	.25"	20	2.50"
BLT1-12	.25"	28	2.50"
BLT1-122	.25"	20	3.00"
BLT1-123	.25"	28	3.00"
BLT1-126	.25"	20	3.50"
BLT1-127	.25"	28	3.50"
BLT1-13	.25"	20	4.00"
BLT1-130	.25"	28	4.00"
BLT1-131	.25"	20	4.50"
BLT1-133	.25"	20	5.00"
BLT1-140	.25"	20	7.00"
BLT1-146	.31"	18	.50"
BLT1-148	.31"	18	.62"
BLT1-15	.31"	18	.75"
BLT1-150	.31"	24	.75"
BLT1-152	.31"	24	.88"
BLT1-153	.31"	18	1.00"
BLT1-154	.31"	24	1.00"
BLT1-155	.31"	18	1.25"
BLT1-156	.31"	24	1.25"
BLT1-157	.31"	18	1.50"

Part Number	Size	Threads/ Inch	Length
BLT1-158	.31"	24	1.50"
BLT1-159	.31"	18	1.75"
BLT1-16	.31"	24	1.75"
BLT1-160	.31"	18	2.00"
BLT1-161	.31"	24	2.00"
BLT1-162	.31"	18	2.25"
BLT1-171	.31"	18	3.50"
BLT1-172	.31"	24	3.50"
BLT1-173	.31"	18	3.75"
BLT1-175	.31"	18	4.00"
BLT1-176	.31"	24	4.00"
BLT1-177	.31"	18	4.50"
BLT1-178	.31"	24	4.50"
BLT1-179	.31"	18	5.00"
BLT1-18	.31"	24	5.00"
BLT1-180	.31"	18	5.50"
BLT1-182	.31"	18	6.00"
BLT1-183	.31"	24	6.00"
BLT1-184	.31"	18	6.50"
BLT1-191	.38"	16	6.25"
BLT1-193	.38"	24	.75"
BLT1-194	.38"	24	.75"
BLT1-197	.38"	16	1.00"
BLT1-198	.38"	24	1.00"
BLT1-199	.38"	16	1.25"
BLT1-2	.38"	24	1.25"
BLT1-20	.38"	16	1.50"
BLT1-200	.38"	24	1.50"
BLT1-201	.38"	16	1.75"
BLT1-202	.38"	24	1.75"
BLT1-203	.38"	16	2.00"
BLT1-204	.38"	24	2.00"
BLT1-205	.38"	16	2.25"
BLT1-206	.38"	24	2.25"
BLT1-207	.38"	16	2.50"
BLT1-208	.38"	24	2.50"
BLT1-209	.38"	16	2.75"
BLT1-21	.38"	24	2.75"

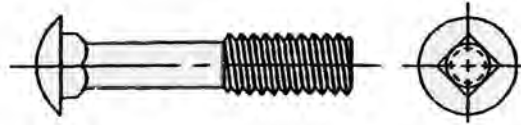
Part Number	Size	Threads/ Inch	Length
BLT1-210	.38"	16	3.00"
BLT1-211	.38"	24	3.00"
BLT1-212	.38"	16	3.25"
BLT1-214	.38"	16	3.50"
BLT1-215	.38"	24	3.50"
BLT1-218	.38"	16	4.00"
BLT1-219	.38"	24	4.00"
BLT1-22	.38"	16	4.50"
BLT1-220	.38"	24	4.50"
BLT1-221	.38"	16	5.00"
BLT1-222	.38"	24	5.00"
BLT1-223	.38"	16	5.50"
BLT1-163	.31"	24	2.25"
BLT1-164	.31"	18	2.50"
BLT1-165	.31"	24	2.50"
BLT1-167	.31"	24	2.75"
BLT1-168	.31"	18	3.00"
BLT1-169	.31"	24	3.00"
BLT1-28	.50"	13	1.00"
BLT1-280	.50"	20	1.00"
BLT1-281	.50"	13	1.25"
BLT1-283	.50"	13	1.50"
BLT1-284	.50"	20	1.50"
BLT1-285	.50"	13	1.75"
BLT1-286	.50"	20	1.75"
BLT1-287	.50"	13	2.00"
BLT1-288	.50"	20	2.00"
BLT1-289	.50"	13	2.25"
BLT1-29	.50"	20	2.25"
BLT1-290	.50"	13	2.50"
BLT1-291	.50"	13	2.50"
BLT1-292	.50"	13	2.75"
BLT1-293	.50"	20	2.75"
BLT1-294	.50"	13	3.00"
BLT1-295	.50"	20	3.00"
BLT1-298	.50"	13	3.50"
BLT1-299	.50"	20	3.50"
BLT1-300	.50"	20	4.00"
BLT1-301	.50"	13	4.00"
BLT1-302	.50"	13	4.50"
BLT1-303	.50"	20	4.50"
BLT1-304	.50"	13	5.00"
BLT1-305	.50"	20	5.00"
BLT1-306	.50"	13	5.50"
BLT1-307	.50"	20	5.50"

Part Number	Size	Threads/ Inch	Length
BLT1-308	.50"	13	6.00"
BLT1-309	.50"	20	6.00"
BLT1-31	.50"	13	6.50"
BLT1-311	.50"	13	7.00"
BLT1-313	.50"	13	7.50"
BLT1-314	.50"	20	7.50"
BLT1-315	.50"	13	8.00"
BLT1-355	.62"	11	1.00"
BLT1-356	.62"	18	1.00"
BLT1-357	.62"	11	1.25"
BLT1-358	.62"	18	1.25"
BLT1-359	.62"	11	1.50"
BLT1-36	.62"	18	1.50"
BLT1-360	.62"	11	1.75"
BLT1-361	.62"	18	1.75"
BLT1-362	.62"	11	2.00"
BLT1-363	.62"	18	2.00"
BLT1-225	.38"	16	6.00"
BLT1-226	.38"	24	6.00"
BLT1-24	.44"	20	1.00"
BLT1-240	.44"	20	1.25"
BLT1-241	.44"	14	1.50"
BLT1-242	.44"	20	1.50"
BLT1-369	.62"	18	2.75"
BLT1-37	.62"	11	3.00"
BLT1-370	.62"	18	3.00"
BLT1-373	.62"	11	3.50"
BLT1-374	.62"	18	3.50"
BLT1-377	.62"	11	4.00"
BLT1-378	.62"	18	4.00"
BLT1-379	.62"	11	4.50"
BLT1-380	.62"	11	5.00"
BLT1-381	.62"	18	5.00"
BLT1-381A	.62"	18	5.25"
BLT1-382	.62"	11	5.50"
BLT1-383	.62"	18	5.50"
BLT1384	.62"	11	6.00"
BLT1-385	.62"	18	6.00"
BLT1-388	.62"	11	7.00"
BLT1-395	.75"	10	1.25"
BLT1-396	.75"	16	1.25"
BLT1-397	.75"	10	1.50"
BLT1-398	.75"	16	1.50"
BLT1-4	.75"	16	1.50"
BLT1-40	.75"	10	2.00"

Part Number	Size	Threads/ Inch	Length
BLT1-400	.75"	16	2.00"
BLT1-402	.75"	16	2.25"
BLT1-403	.75"	10	2.50"
BLT1-404	.75"	16	2.50"
BLT1-407	.75"	10	3.00"
BLT1-408	.75"	16	3.00"
BLT1-410	.75"	10	3.50"
BLT1-411	.75"	16	3.50"
BLT1-414	.75"	10	4.00"
BLT1-415	.75"	16	4.00"
BLT1-416	.75"	10	4.50"
BLT1-417	.75"	16	4.50"
BLT1-418	.75"	10	5.00"
BLT1-419	.75"	16	5.00"
BLT1-42	.75"	10	5.50"
BLT1-421	.75"	10	6.00"
BLT1-428	.75"	16	7.50"
BLT1-456	.88"	9	4.00"
BLT1-46	.88"	9	5.00"
BLT1-461	.88"	9	5.50"
BLT1-462	.88"	14	5.50"

[illegible]

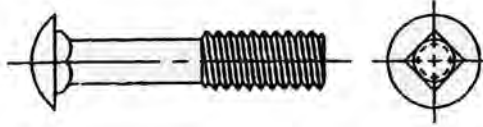
14.1.2: ROUND HEAD SQUARE NECK CARRIAGE BOLTS (BLT2)



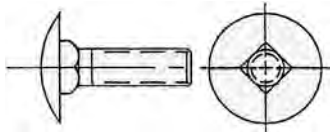
Part Number	Size	Threads/ Inch	Length
BLT2-1	.25"	20	.38"
BLT2-108	.25"	28	1.00"
BLT2-109	.25"	28	1.00"
BLT2-11	.25"	20	1.25"
BLT2-110	.25"	28	1.25"
BLT2-111	.25"	20	1.50"
BLT2-112	.25"	28	1.50"
BLT2-113	.25"	20	1.75"
BLT2-115	.25"	20	2.00"
BLT2-116	.25"	28	2.00"
BLT2-117	.25"	20	2.25"
BLT2-119	.25"	20	2.50"
BLT2-120	.25"	20	2.75"
BLT2-122	.25"	20	3.00"
BLT2-123	.25"	28	3.00"
BLT2-124	.25"	20	3.25"
BLT2-126	.25"	20	3.50"
BLT2-127	.25"	28	3.50"
BLT2-13	.25"	20	4.00"
BLT2-131	.25"	20	4.50"
BLT2-133	.25"	20	4.50"
BLT2-134	.25"	28	5.00"
BLT2-137	.25"	20	6.00"
BLT2-139	.25"	20	6.50"
BLT2-140	.25"	20	7.00"
BLT2-142	.25"	20	7.50"
BLT2-144	.25"	20	8.00"
BLT2-153	.31"	18	1.00"
BLT2-155	.31"	18	1.25"
BLT2-156	.31"	24	1.25"
BLT2-157	.31"	18	1.50"
BLT2-158	.31"	24	1.50"
BLT2-159	.31"	18	1.75"
BLT2-160	.31"	18	2.00"
BLT2-164	.31"	18	2.50"
BLT2-166	.31"	18	2.75"
BLT2-168	.31"	18	3.00"
BLT2-171	.31"	18	3.50"

Part Number	Size	Threads/ Inch	Length
BLT2-175	.31"	16	4.00"
BLT2-176	.31"	24	4.00"
BLT2-177	.31"	18	4.50"
BLT2-179	.31"	18	5.00"
BLT2-180	.31"	18	5.50"
BLT2-182	.31"	18	6.00"
BLT2-184	.31"	18	6.50"
BLT2-19	.31"	18	8.00"
BLT2-197	.38"	16	1.00"
BLT2-199	.38"	16	1.25"
BLT2-20	.38"	16	1.50"
BLT2-200	.38"	24	1.50"
BLT2-201	.38"	16	1.75"
BLT2-203	.38"	16	2.00"
BLT2-204	.38"	16	2.00"
BLT2-205	.38"	16	2.25"
BLT2-207	.38"	16	2.50"
BLT2-208	.38"	24	2.50"
BLT2-210	.38"	16	3.00"
BLT2-214	.38"	16	3.50"
BLT2-218	.38"	16	4.00"
BLT2-22	.38"	16	4.50"
BLT2-221	.38"	16	5.00"
BLT2-223	.38"	16	5.50"
BLT2-225	.38"	16	6.00"
BLT2-229	.38"	16	7.00"
BLT2-283	.50"	13	1.50"
BLT2-284	.50"	20	1.50"
BLT2-287	.50"	13	2.00"
BLT2-288	.50"	20	2.00"
BLT2-291	.50"	20	2.50"
BLT2-359	.62"	11	1.50"
BLT2-36	.62"	18	1.50"
BLT2-363	.62"	18	2.00"
BLT2-40	.75"	10	2.00"
BLT2-403	.75"	10	2.50"
BLT2-407	.75"	10	3.00"
BLT2-410	.75"	10	3.50"

14.1.3: ROUND HEAD SHORT SQUARE NECK CARRIAGE BOLTS (BLT3)

[illegible][illegible]

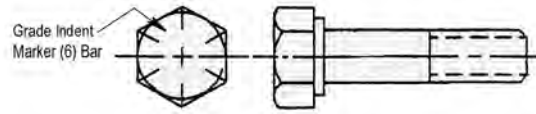
14.1.4: STEP BOLTS (BLT4)



Part Number	Size	Threads/ Inch	Length
BLT4-108	.25"	20	1.00"
BLT4-11	.25"	20	1.25"
BLT4-119	.25"	20	2.50"
BLT4-12	.25"	28	2.50"
BLT4-122	.25"	20	3.00"
BLT4-123	.25"	28	3.00"
BLT4-153	.31"	18	1.00"
BLT4-155	.31"	18	1.25"
BLT4-157	.31"	18	1.50"
BLT4-158	.31"	24	1.50"
BLT4-160	.31"	24	1.50"
BLT4-161	.31"	24	2.00"
BLT4-164	.31"	18	2.50"
BLT4-165	.31"	24	2.50"
BLT4-168	.31"	18	3.00"
BLT4-169	.31"	24	3.00"
BLT4-199	.38"	16	1.25"
BLT4-20	.38"	16	1.50"
BLT4-200	.38"	24	1.50"

[illegible]

14.1.5: GRADE 8 HEX HEAD BOLTS (BLT5)



Part Number	Size	Threads/ Inch	Length
BLT5-100	.25"	20	.50"
BLT5-104	.25"	20	.75"
BLT5-108	.25"	20	1.00"
BLT5-109	.25"	28	1.00"
BLT5-11	.25"	20	1.25"
BLT5-110	.25"	28	1.25"
BLT5-111	.25"	20	1.50"
BLT5-112	.25"	28	1.50"
BLT5-113	.25"	20	1.75"
BLT5-115	.25"	20	2.00"
BLT5-116	.25"	28	2.00"
BLT5-117	.25"	20	2.25"
BLT5-119	.25"	20	2.50"
BLT5-12	.25"	28	2.50"
BLT5-122	.25"	20	3.00"
BLT5-123	.25"	28	3.00"
BLT5-126	.25"	20	3.50"
BLT5-127	.25"	28	3.50"
BLT5-13	.25"	20	4.00"
BLT5-130	.25"	28	4.00"
BLT5-131	.25"	20	4.50"
BLT5-132	.25"	28	4.50"
BLT5-133	.25"	20	5.00"
BLT5-134	.25"	28	5.00"
BLT5-146	.31"	18	.50"
BLT5-15	.31"	18	.75"
BLT5-150	.31"	24	.75"
BLT5-153	.31"	18	1.00"
BLT5-154	.31"	24	1.00"
BLT5-155	.31"	18	1.25"
BLT5-156	.31"	24	1.25"
BLT5-157	.31"	18	1.50"
BLT5-158	.31"	24	1.50"
BLT5-159	.31"	18	1.75"
BLT5-160	.31"	18	2.00"
BLT5-161	.31"	24	2.00"
BLT5-164	.31"	24	2.50"
BLT5-165	.31"	24	2.50"

Part Number	Size	Threads/ Inch	Length
BLT5-168	.31"	18	3.00"
BLT5-169	.31"	24	3.00"
BLT5-171	.31"	18	3.50"
BLT5-172	.31"	18	3.50"
BLT5-175	.31"	18	4.00"
BLT5-176	.31"	24	4.00"
BLT5-177	.31"	18	4.50"
BLT5-178	.31"	24	4.50"
BLT5-179	.31"	18	4.50"
BLT5-18	.31"	24	5.00"
BLT5-182	.31"	18	6.00"
BLT5-193	.38"	16	.75"
BLT5-194	.38"	24	.75"
BLT5-197	.38"	16	1.00"
BLT5-198	.38"	24	1.00"
BLT5-199	.38"	16	1.25"
BLT5-2	.38"	24	1.25"
BLT5-20	.38"	16	1.50"
BLT5-200	.38"	24	1.50"
BLT5-201	.38"	16	2.00"
BLT5-203	.38"	16	2.00"
BLT5-204	.38"	24	2.00"
BLT5-205	.38"	16	2.25"
BLT5-206	.38"	24	2.25"
BLT5-207	.38"	16	2.50"
BLT5-208	.38"	24	2.50"
BLT5-210	.38"	16	3.00"
BLT5-211	.38"	16	3.25"
BLT5-214	.38"	16	3.50"
BLT5-215	.38"	24	3.50"
BLT5-218	.38"	16	4.00"
BLT5-219	.38"	24	4.00"
BLT5-22	.38"	16	4.50"
BLT5-220	.38"	24	4.50"
BLT5-221	.38"	16	5.00"
BLT5-222	.38"	24	5.00"
BLT5-225	.38"	16	6.00"
BLT5-238	.44"	14	1.00"

Part Number	Size	Threads/ Inch	Length
BLT5-24	.44"	14	1.25"
BLT5-241	.44"	14	1.50"
BLT5-243	.44"	14	1.75"
BLT5-245	.44"	14	2.00"
BLT5-249	.44"	14	2.50"
BLT5-28	.50"	13	1.00"
BLT5-280	.50"	20	1.00"
BLT5-281	.50"	13	1.25"
BLT5-282	.50"	20	1.25"
BLT5-283	.50"	13	1.50"
BLT5-284	.50"	20	1.50"
BLT5-285	.50"	13	1.75"
BLT5-286	.50"	20	1.75"
BLT5-287	.50"	13	2.00"
BLT5-288	.50"	20	2.00"
BLT5-289	.50"	13	2.25"
BLT5-290	.50"	13	2.50"
BLT5-291	.50"	20	2.50"
BLT5-292	.50"	13	2.75"
BLT5-293	.50"	20	2.75"
BLT5-294	.50"	13	3.00"
BLT5-295	.50"	20	3.00"
BLT5-298	.50"	13	3.50"
BLT5-299	.50"	20	3.50"
BLT5-300	.50"	13	4.00"
BLT5-301	.50"	20	4.00"
BLT5-302	.50"	13	4.50"
BLT5-303	.50"	20	4.50"
BLT5-304	.50"	13	5.00"
BLT5-305	.50"	20	5.00"
BLT5-306	.50"	13	5.50"
BLT5-307	.50"	20	5.50"
BLT5-308	.50"	13	6.00"
BLT5-31	.50"	13	6.50"
BLT5-311	.50"	13	7.00"
BLT5-312	.50"	20	7.00"
BLT5-313	.50"	13	7.50"
BLT5-315	.50"	13	8.00"
BLT5-317	.56"	12	1.00"
BLT5-322	.56"	12	1.75"
BLT5-331	.56"	12	3.00"
BLT5-335	.56"	12	3.50"
BLT5-355	.62"	11	1.00"
BLT5-357	.62"	11	1.25"
BLT5-359	.62"	11	1.50"

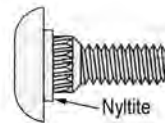
Part Number	Size	Threads/ Inch	Length
BLT5-36	.62"	18	1.50"
BLT5-360	.62"	11	1.75"
BLT5-361	.62"	18	1.75"
BLT5-361A	.62"	18	1.88"
BLT5-362	.62"	11	2.00"
BLT5-363	.62"	18	2.00"
BLT5-364	.62"	11	2.25"
BLT5-365	.62"	18	2.25"
BLT5-366	.62"	11	2.50"
BLT5-367	.62"	18	2.50"
BLT5-368	.62"	11	2.75"
BLT5-369	.62"	18	2.75"
BLT5-37	.62"	11	3.00"
BLT5-370	.62"	18	3.00"
BLT5-373	.62"	11	3.50"
BLT5-374	.62"	18	3.50"
BLT5-377	.62"	11	4.00"
BLT5-378	.62"	18	4.00"
BLT5-379	.62"	11	4.50"
BLT5-38	.62"	18	4.50"
BLT5-380	.62"	11	5.00"
BLT5-381	.62"	18	5.00"
BLT5-382	.62"	11	5.50"
BLT5-383	.62"	18	5.50"
BLT5-384	.62"	11	6.00"
BLT5-385	.62"	18	6.00"
BLT5-386	.62"	11	6.50"
BLT5-387	.62"	18	6.50"
BLT5-388	.62"	11	7.00"
BLT5-389	.62"	18	7.00"
BLT5-397	.75"	10	1.50"
BLT5-398	.75"	16	1.50"
BLT5-399	.75"	10	1.75"
BLT5-4	.75"	16	1.75"
BLT5-40	.75"	10	2.00"
BLT5-400	.75"	16	2.00"
BLT5-401	.75"	10	2.25"
BLT5-403	.75"	10	2.50"
BLT5-404	.75"	16	2.50"
BLT5-405	.75"	10	2.75"
BLT5-407	.75"	10	3.00"
BLT5-408	.75"	16	3.00"
BLT5-410	.75"	10	3.50"
BLT5-411	.75"	16	3.50"
BLT5-412	.75"	10	3.75"

Part Number	Size	Threads/ Inch	Length
BLT5-414	.75"	10	4.00"
BLT5-415	.75"	16	4.00"
BLT5-416	.75"	10	4.50"
BLT5-417	.75"	16	4.50"
BLT5-418	.75"	10	5.00"
BLT5-42	.75"	10	5.50"
BLT5-421	.75"	10	6.00"
BLT5-449	.88"	9	3.00"
BLT5-457	.88"	14	4.00"
BLT5-458	.88"	9	4.50"
BLT5-46	.88"	9	5.00"
BLT5-460	.88"	14	5.00"
BLT5-461	.88"	9	5.50"
BLT5-463	.88"	9	6.00"

Part Number	Size	Threads/ Inch	Length
BLT5-464	.88"	14	6.00"
BLT5-500	1.00"	8	5.00"
BLT5-501	1.00"	14	5.00"
BLT5-502	1.00"	8	5.50"
BLT5-504	1.00"	8	6.00"
BLT5-505	1.00"	14	6.00"
BLT5-507	1.00"	14	6.50"
BLT5-510	1.00"	14	7.50"
BLT5-540	1.12"	18	6.00"
BLT5-544	1.12"	7	7.00"
BLT5-6	1.12"	7	9.50"
BLT5-61	1.12"	7	10.00"
BLT5-98	1.12"	12	10.00"

14.1.6: FRP BOLTS (BLT6)

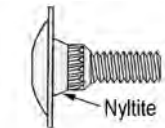
14.1.6.1: STANDARD HEAD FRP BOLTS



Part Number	Size	Threads/ Inch	Length	Shoulder
BLT6-1	M6	1.00 RISO	.75"	.25"
BLT6-2	.31"	18	.88"	.25"
BLT6-3	.31"	18	1.00"	.38"

Part Number	Size	Threads/ Inch	Length	Shoulder
BLT6-4	.31"	18	1.25"	.50"
BLT6-5	.31"	18	1.44"	.50"
BLT6-6	.31"	18	1.69"	.88"

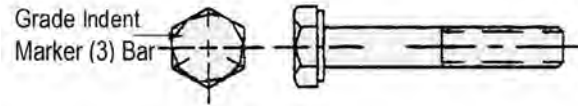
14.1.6.2: WASHER HEAD FRP BOLTS



Part Number	Size	Threads/ Inch	Length	Shoulder
BLT6-7	.31"	18	.88"	
BLT6-8	.31"	18	1.00"	.38"

Part Number	Size	Threads/ Inch	Length	Shoulder

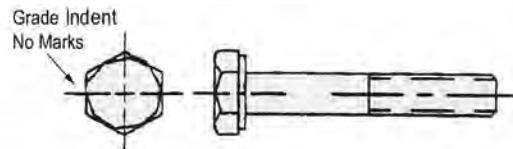
14.1.7: GRADE 5 HEX HEAD LOCK BOLTS (BLT7)



Part Number	Size	Threads/ Inch	Length
Reserved for future part numbers			

Part Number	Size	Threads/ Inch	Length

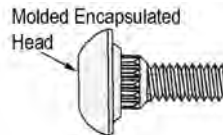
14.1.8: GRADE 2 HEX HEAD BOLTS (BLT8)



Part Number	Size	Threads/ Inch	Length
BLT8-306	.50"	13	5.50"

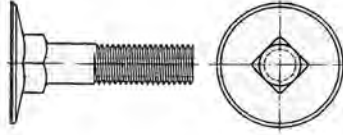
Part Number	Size	Threads/ Inch	Length

14.1.9: FRP BOLTS (ENCAPSULATED HEAD) (BLT9)



Part Number	Nominal Size	Threads/Inch	Length	Shoulder	Head Color
BLT9-1	M6	100 RISO	.62"	.25"	Gray
BLT9-10	M6	100 RISO	20.6"	-----	Gray
BLT9-11	.31"	18	.73"	.22"	Gray
BLT9-2	.31"	18	.73"	.22"	White
BLT9-3	.31"	18	.88"	.25"	Gray
BLT9-4	.31"	18	.88"	.25"	White
BLT9-5	.31"	18	1.00"	.38"	Gray
BLT9-6	.31"	18	1.00"	.38"	White
BLT9-7	.31"	18	1.25"	.50"	Gray
BLT9-8	.31"	18	1.25"	.50"	White
BLT9-9	.38"	16	1.88"	-----	Gray

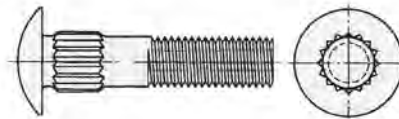
14.1.10: FLAT "C" SUNK HEAD ELEVATOR BOLTS (BLT10)



Part Number	Size	Threads/ Inch	Length
BLT10-10	.25"	28	.38"
BLT10-108	.25"	20	1.00"
BLT10-11	.25"	20	1.25"
BLT10-110	.25"	28	1.25"
BLT10-111	.25"	20	1.50"
BLT10-115	.25"	20	2.00"
BLT10-117	.25"	20	2.25"
BLT10-122	.25"	20	3.00"
BLT10-123	.25"	28	3.00"
BLT10-155	.31"	18	1.25"
BLT10-156	.31"	24	1.25"
BLT10-157	.31"	18	1.50"
BLT10-158	.31"	24	1.50"
BLT10-160	.31"	18	2.00"
BLT10-161	.31"	24	2.00"

Part Number	Size	Threads/ Inch	Length
BLT10-20	.38"	16	1.50"
BLT10-200	.38"	24	1.25"
BLT10-201	.38"	24	1.25"
BLT10-203	.38"	16	2.00"
BLT10-205	.38"	16	2.25"
BLT10-207	.38"	16	2.50"
BLT10-210	.38"	16	3.00"

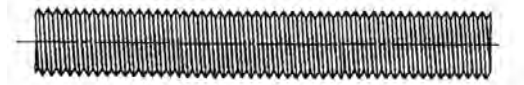
14.1.11: ROUND HEAD, RIBBED NECK CARRIAGE BOLTS (BLT11)



Part Number	Size	Threads/ Inch	Length
BLT11-20	.38"	16	1.50"
BLT11-201	.38"	16	1.75"
BLT11-207	.38"	16	2.50"

Part Number	Size	Threads/ Inch	Length

14.1.12: THREADED RODS (BLT14)



Threaded rods are grade 2 unless noted.

Part Number	Size	Threads/ Inch	Length
BLT14-1	.50"	20	12.00"
BLT14-10	.75"	16	30.00"
BLT14-11	.75"	16	32.00"
BLT14-12	.75"	16	34.00"
BLT14-13	.75"	16	36.00"
BLT14-14	.75"	16	38.00"
BLT14-15	.75"	16	40.00"
BLT14-16	.75"	16	42.00"
BLT14-17	.75"	16	44.00"
BLT14-18	.75"	16	46.00"
BLT14-19	.88"	14	24.00"
BLT14-2	.75"	16	14.00"
BLT14-20	.88"	14	26.00"
BLT14-21	.88"	14	28.00"
BLT14-22	.88"	14	30.00"
BLT14-23	.88"	14	32.00"
BLT14-24	.88"	14	34.00"
BLT14-25	.88"	14	36.00"

Part Number	Size	Threads/ Inch	Length
BLT14-26	.88"	14	38.00"
BLT14-27	.88"	14	40.00"
BLT14-28	.88"	14	42.00"
BLT14-29	.88"	14	44.00"
BLT14-3	.75"	16	16.00"
BLT14-30	.88"	14	46.00"
BLT14-31	1.00"	14	28.00"
BLT14-32	1.00"	14	30.00"
BLT14-33	1.00"	14	32.00"
BLT14-34	1.00"	14	34.00"
BLT14-35	1.00"	14	36.00"
BLT14-4	.75"	16	18.00"
BLT14-5	.75"	16	20.00"
BLT14-6	.75"	16	22.00"
BLT14-7	.75"	16	24.00"
BLT14-8	.75"	16	26.00"
BLT14-9	.75"	16	28.00"
BLT15-5A	.25"	18	24.00"

14.1.13: THREADED ROD (ALL THREAD) (BLT15)



Threaded rods are grade 2 unless noted.

Part Number	Size	Threads/ Inch	Length
BLT15-1	.25"		36.00"
BLT15-2	.31"		36.00"
BLT15-3	.38"		36.00"
BLT15-4	.50"		36.00"
BLT15-5	.62"	18	36.00"

Part Number	Size	Threads/ Inch	Length
BLT15-5A	.62"	18	24.00"

14.2 Clips

14.2.1: HEAVY DUTY STEEL VINYL COATED CLOSED CLIPS (CLP1)



Part Number	Tube Size (ID)	Hole Diameter	Pieces per Package
CLP1-1	.25"	.38"	25
CLP1-2	.31"	.38"	25
CLP1-3	.38"	.38"	25
CLP1-4	.50"	.38"	25
CLP1-5	.62"	.38"	25
CLP1-8	1.00"	.38"	25

Part Number	Tube Size (i.D.)	Hole diameter	Pieces per Package

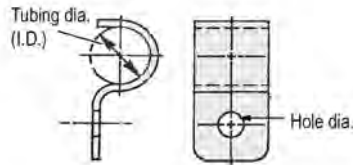
14.2.2: LOOM CLIPS (CLP2)



Part Number	Tube Size (ID)	Pieces per Package
CLP2-1	.25"	100
CLP2-2	.38"	100
CLP2-3	.50"	100

Part Number	Tube Size (ID)	Pieces per Package

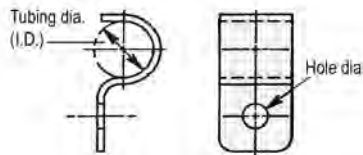
14.2.3: PLAIN ALUMINUM CLIPS (CLP3)



Part Number	Tube Size (ID)	Hole Diameter
CLP3-1	.38"	None
CLP3-2	.50"	None
CLP3-3	.62"	None

Part Number	Tube Size (ID)	Hole Diameter

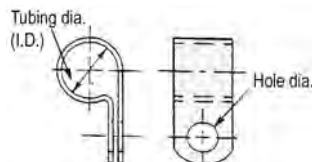
14.2.4: PLAIN STEEL CLIPS (CLP4)



Part Number	Tube Size (ID)	Hole Diameter
CLP4-1	.38"	None
CLP4-2	.50"	None

Part Number	Tube Size (ID)	Hole Diameter

14.2.5: NYLON CLOSED CLIPS (CLP5)

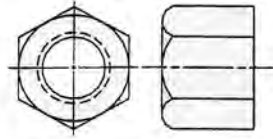


Part Number	Tube Size (ID)	Hole Diameter
CLP5-1	.25"	.204"
CLP5-2	.38"	.204"

Part Number	Tube Size (ID)	Hole Diameter

14.3 Nuts

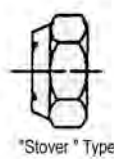
14.3.1: HEXAGON FINISHED HIGH NUTS (NUT1)



Part Number	Size	Threads/Inch
NUT1-4	.25"	20
NUT1-7	.38"	16
NUT1-7A	1.12"	12
NUT1-25	.50"	20

Part Number	Size	Threads/Inch
NUT1-32A	.88"	14

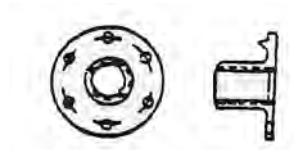
14.3.2: GRADE 5 FINISHED HEX LOCK NUTS (NUT2)



Part Number	Size	Threads/Inch
NUT2-1	#6	32
NUT2-13	#10	24
NUT2-14	#10	32
NUT2-15	#12	24
NUT2-16	#12	28
NUT2-17	.25"	20
NUT2-18	.25"	28
NUT2-19	.31"	18
NUT2-2	.31"	24
NUT2-20	.38"	16
NUT2-21	.38"	24
NUT2-22	.44"	14

Part Number	Size	Threads/Inch
NUT2-23	.44"	20
NUT2-24	.50"	13
NUT2-25	.50"	20
NUT2-28	.62"	11
NUT2-29	.62"	18
NUT2-30A	.75"	16
NUT2-32	.88"	16
NUT2-4	1.00"	8
NUT2-5	1.00"	14
NUT2-6	1.12"	7

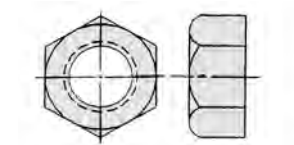
14.3.3: TEE TYPE NUTS (NUT3)



Part Number	Size	Thread/Inch	Shoulder Length
NUT3-2	.31"	-----	-----
NUT3-14	#10	32	.28"

Part Number	Size	Thread/Inch	Shoulder Length

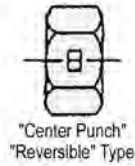
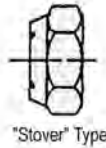
14.3.4: GRADE 2 REGULAR HEX NUTS (NUT4)



Part Number	Size	Threads/Inch
NUT4-1	#6	32
NUT4-11	#8	32
NUT4-12	#8	36
NUT4-13	#10	24
NUT4-14	#10	32
NUT4-15	#12	24
NUT4-17	.25"	20
NUT4-18	.25"	28
NUT4-19	.31"	18
NUT4-2	.31"	24
NUT4-20	.38"	16
NUT4-21	.38"	24
NUT4-22	.44"	14

Part Number	Size	Threads/Inch
NUT4-23	.44"	20
NUT4-24	.50"	13
NUT4-25	.50"	20
NUT4-26	.56"	12
NUT4-28	.62"	11
NUT4-29	.62"	18
NUT4-3	.75"	10
NUT4-30	.75"	16
NUT4-31	.88"	9
NUT4-32	.88"	14
NUT4-4	1.00"	8
NUT4-5	1.00"	14

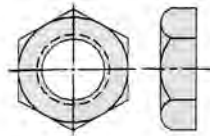
14.3.5: GRADE 8 FINISHED HEX LOCK NUTS (NUT5)



Part Number	Size	Threads/Inch
NUT5-13	#10	24
NUT5-14	#10	32
NUT5-17	.25"	20
NUT5-18	.25"	28
NUT5-19	.31"	18
NUT5-2	.31"	24
NUT5-20	.38"	16
NUT5-21	.38"	24
NUT5-22	.44"	14
NUT5-24	.50"	13
NUT5-24A	.50"	13
NUT5-25	.50"	20
NUT5-26	.56"	12
NUT5-28	.62"	11
NUT5-29	.62"	15
NUT5-3	.75"	16
NUT5-30	.75"	16
NUT5-30A	.75"	16
NUT5-31	.88"	9
NUT5-32	.88"	14

Part Number	Size	Threads/Inch
NUT5-4	1.00"	8
NUT5-5	1.00"	14
With Nylon Insert		
NUT5-5-17	.25"	20
NUT5-5-19	.31"	18
NUT5-5-2	.31"	24
NUT5-5-20	.38"	16
NUT5-5-21	.38"	24
NUT5-5-22	.44"	14
NUT5-5-24	.50"	13
NUT5-5-25	.50"	20
NUT5-5-26	.56"	18
NUT5-5-28	.62"	11
NUT5-5-29	.62"	18
NUT5-5-3	.75"	10
NUT5-5-30	.75"	16
NUT5-5-31	.88"	9
NUT5-5-32	.88"	14
NUT5-5-5	1.00"	8

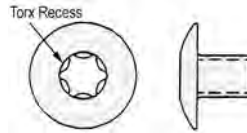
14.3.6: HEX JAM NUTS (NUT6)



Part Number	Size	Threads/Inch
NUT6-28	.62"	11
NUT6-29	.62"	18
NUT6-5	1.00"	14

Part Number	Size	Threads/Inch

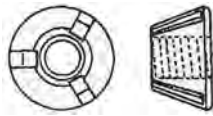
14.3.7: FRP NUTS (NUT9)



Part Number	Size	Threads/Inch	Head Diameter	Shoulder Length
NUT9-1	M6	1.00 RISO	.660"	.31"
NUT9-2	M6	1.00 RISO	.875"	.38"
NUT9-3	M6	1.00 RISO	.875"	.50"
NUT9-4	.31"	18	1.000"	.38"
NUT9-5	.31"	18	1.000"	.50"

Part Number	Size	Threads/Inch	Head Diameter	Shoulder Length
NUT9-6	.31"	18	.743"	.50"
NUT9-7	.31"	18	.618"	.50"
NUT9-8	.31"	18	1.000"	.62"

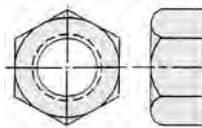
14.3.8: SPECIAL NUTS (NUT15)



Part Number	Size	Threads/Inch
NUT15-1	.38"	16

Part Number	Size	Threads/Inch

14.3.9: GRADE 8 REGULAR HEX NUTS (NUT16)



Part Number	Size	Threads/Inch
NUT16-19	.31"	18
NUT16-20	.38"	16
NUT16-24	.50"	13
NUT16-28	.62"	11
NUT16-29	.62"	18

Part Number	Size	Threads/Inch
NUT16-30	.75"	16
NUT16-32	.88"	14

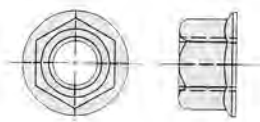
14.3.10: KEPS LOCK NUTS (NUT19)



Part Number	Size	Threads/Inch
NUT19-17	.25"	20

Part Number	Size	Threads/Inch

14.3.11: HEX FLANGE LOCK NUTS (NUT20)

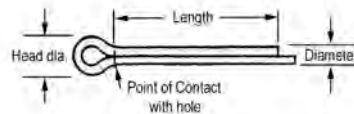


Part Number	Size	Threads/Inch
NUT20-19	.31"	18
NUT20-32	.88"	14

Part Number	Size	Threads/Inch

14.4 Pins

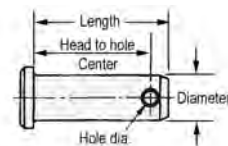
14.4.1: STEEL COTTER PINS (PIN1)



Part Number	Diameter	Length	Head Diameter
PIN1-1	.12"	1.00"	.25"
PIN1-2	.06"	-----	.12"
PIN1-3	.09"	3.00"	.19"
PIN1-4	.19"	-----	.50"
PIN1-5	.25"	1.00"	.50"
PIN1-6	.25"	2.00"	.50"
PIN1-7	.19"	3.00"	.38"
PIN1-8	.12"	2.00"	.25"
PIN1-9	.16"	1.50"	.07"
PIN1-10	.25"	3.00"	.50"
PIN1-11	.09"	1.00"	.19"
PIN1-12	.12"	1.50"	.25"

Part Number	Diameter	Length	Head Diameter
PIN1-13	.19"	2.25"	.38"
PIN1-14	.12"	.75"	.25"
PIN1-15	.31"	1.00"	.62"
PIN1-16	.31"	2.00"	.62"

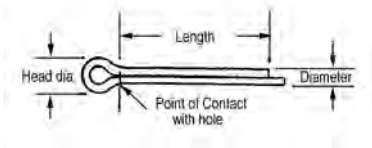
14.4.2: CLEVIS PINS (PIN2)



Part Number	Length	Threads/ Inch	Head to Hole Dia.	Hole Dia.
PIN2-1	-----	.50"		
PIN2-2	1.62"	.56"		

Part Number	Length	Threads/ Inch	Head to Hole Dia.	Hole Dia.

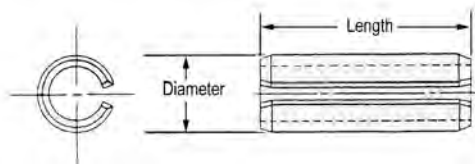
14.4.3: STAINLESS STEEL COTTER PINS (PIN3)



Part Number	Diameter	Length	Head Diameter
Reserved for future part numbers			

Part Number	Diameter	Length	Head Diameter

14.4.4: ROLL PINS (PIN4)



Part Number	Nominal Diameter	Diameter	Length
PIN4-1	.12"	.131"/.135"	1.25"
PIN4-2	.19"	.194"/.199"	1"
PIN4-3	.25"	-----	-----
PIN4-4	.31"	-----	-----
PIN4-5	.06"	-----	1"

Part Number	Nominal Diameter	Diameter	Length

14.5 Uni-tap & Tap-it Fasteners

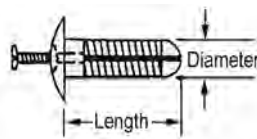
14.5.1: NYLON UNI-TAPS (RVB1)



Part Number	Diameter	Length	Pieces per Package
RVB1-1	.25"	1.00"	1
RVB1-2	.25"	1.62"	1
RVB1-3	.25"	2.12"	1

Part Number	Diameter	Length	Pieces per Package
RVB1-4	.25"	2.62"	1

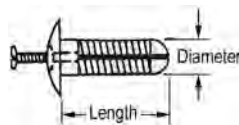
14.5.2: ALUMINUM PIN NYLON TAP-ITS (RVB2)



Part Number	Diameter	Length	Pieces per Package
RVB2-1A	.25"	.50"	50
RVB2-2	.25"	.75"	1
RVB2-2A	.25"	.75"	100
RVB2-3	.25"	1.00"	1
RVB2-3A	.25"	1.00"	100
RVB2-3B	.25"	1.00"	250
RVB2-4	.25"	1.50"	1
RVB2-4A	.25"	1.50"	50
RVB2-4B	.25"	1.50"	100

Part Number	Diameter	Length	Pieces per Package
RVB2-5	.25"	2.00"	1
RVB2-5A	.25"	2.00"	50
RVB2-5B	.25"	2.00"	100
RVB2-6	.25"	3.00"	1
RVB2-6A	.25"	3.00"	50
RVB2-6B	.25"	3.00"	100

14.5.3: STEEL PIN NYLON TAP-ITS (RVB3)

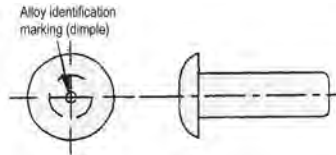


Part Number	Diameter	Length	Pieces per Package
Reserved for future part numbers			

Part Number	Diameter	Length	Pieces per Package

14.6 Rivets

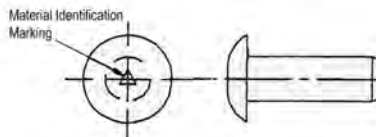
14.6.1: ALUMINUM UNIVERSAL HEAD RIVETS (RVT1)



Part Number	Diameter	Length	Pieces per Pound
RVT1-222	.19"	.38"	633
RVT1-223	.19"	.44"	571
RVT1-224	.19"	.50"	521
RVT1-226	.19"	.62"	441
RVT1-23	.19"	.88"	337
RVT1-262	.25"	.38"	306
RVT1-263	.25"	.44"	279
RVT1-264	.25"	.50"	257
RVT1-265	.25"	.56"	238
RVT1-266	.25"	.62"	222
RVT1-268	.25"	.75"	195
RVT1-27	.25"	.88"	174

Part Number	Diameter	Length	Pieces per Pound
RVT1-305	.31"	.50"	151
RVT1-307	.31"	.62"	132
RVT1-309	.31"	.75"	117
RVT1-310	.31"	.88"	105
RVT1-68	.38"	.75"	81
RVT1-69	.38"	.81"	77
RVT1-7	.38"	.88"	73
RVT1-70	.38"	.94"	69
RVT1-71	.38"	1.00"	66

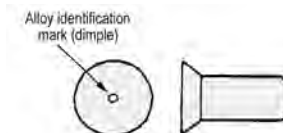
14.6.2: STEEL UNIVERSAL HEAD RIVETS (RVT2)



Part Number	Diameter	Length	Pieces per Pound
Reserved for future part numbers			

Part Number	Diameter	Length	Pieces per Pound

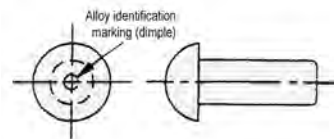
14.6.3: ALUMINUM COUNTER SUNK HEAD RIVETS (RVT3)



Part Number	Diameter	Length	Pieces per Pound
Reserved for future part numbers			

Part Number	Diameter	Length	Pieces per Pound

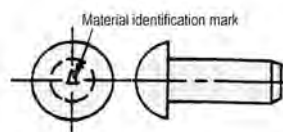
14.6.4: ALUMINUM BUTTON HEAD RIVETS (RVT4)



Part Number	Diameter	Length	Pieces per Pound
RVT4-222	.19"	.38"	561
RVT4-266	.25"	.62"	205
RVT4-268	.25"	.75"	182
RVT4-68	.38"	.75"	69

Part Number	Diameter	Length	Pieces per Pound
RVT4-69	.38"	.81"	66
RVT4-7	.38"	.88"	63
RVT4-71	.38"	1.00"	58

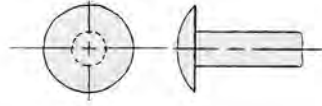
14.6.5: STEEL BUTTON HEAD RIVETS (RVT5)



Part Number	Diameter	Length	Pieces per Pound
Reserved for future part numbers			

Part Number	Diameter	Length	Pieces per Pound

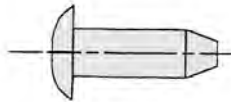
14.6.6: ALUMINUM BRAZIER HEAD RIVETS (RVT6)



Part Number	Diameter	Length	Pieces per Pound
RVT6-220	.19"	.25"	
RVT6-222	.19"	.38"	
RVT6-223	.19"	.44"	
RVT6-224	.19"	.50"	
RVT6-225	.19"	.56"	
RVT6-226	.19"	.62"	
RVT6-228	.19"	.75"	
RVT6-231	.19"	1.00"	
RVT6-262	.25"	.38"	
RVT6-263	.25"	.44"	
RVT6-264	.25"	.50"	
RVT6-265	.25"	.56"	
RVT6-266	.25"	.62"	
RVT6-268	.25"	.75"	
RVT6-269	.25"	.81"	
RVT6-27	.25"	.88"	
RVT6-271	.25"	1.00"	

Part Number	Diameter	Length	Pieces per Pound
RVT6-303	.31"	.38"	
RVT6-305	.31"	.38"	
RVT6-307	.31"	.62"	
RVT6-309	.31"	.75"	
RVT6-64	.38"	.50"	
RVT6-66	.38"	.62"	
RVT6-68	.38"	.75"	
RVT6-69	.38"	.81"	

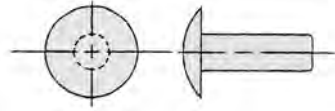
14.6.7: STAINLESS STEEL UNIVERSAL HEAD RIVETS (RVT7)



Part Number	Diameter	Length	Pieces per Pound
RVT7-222	.19"	.38"	209
RVT7-223	.19"	.44"	189

Part Number	Diameter	Length	Pieces per Pound
RVT7-224	.19"	.50"	173

14.6.8: ALUMINUM MODIFIED BRAZIER HEAD RIVETS (RVT10)



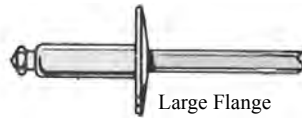
Part Number	Diameter	Length	Pieces per Pound
RVT10-220	.19"	.25"	840
RVT10-222	.19"	.38"	649
RVT10-223	.19"	.44"	584
RVT10-224	.19"	.50"	531
RVT10-228	.19"	.75"	387
RVT10-228A	.19"	1.00"	305
RVT10-262	.25"	.38"	369
RVT10-263	.25"	.44"	331
RVT10-264	.25"	.50"	300
RVT10-266	.25"	.62"	253
RVT10-268	.25"	.75"	218
RVT10-271	.25"	1.00"	172

Part Number	Diameter	Length	Pieces per Pound
RVT10-305	.31"	.50"	169
RVT10-307	.31"	.62"	145
RVT10-309	.31"	.75"	128
RVT10-64	.38"	.50"	-----
RVT10-68	.38"	.75"	81

14.6.9: "POP" RIVETS (POP)



Standard



Large Flange



Sealed

Part Number	Diameter	Length	Material
Standard "POP" Rivets			
POPAD64BS	3/16"	1/4"	Aluminum/Steel
POPAD66BS	3/16"	3/8"	Aluminum/Steel
POPAD68BS	3/16"	1/2"	Aluminum/Steel
POPAD610BS	3/16"	5/8"	Aluminum/Steel
POPAD612BS	3/16"	3/4"	Aluminum/Steel
POPADSD84BS	1/4"	1/8"	Aluminum/Steel
POPXAD86BS	1/4"	1/2"	Aluminum/Steel
POPXAD88BS	1/4"	5/8"	Aluminum/Steel
POPADSD810BS	1/4"	3/4"	Aluminum/Steel
POPXAD816BS	1/4"	1"	Aluminum/Steel
Standard "POP" Rivets Stainless Steel			
POPSSD64SSBS	3/16"	1/4"	Stainless Steel

Part Number	Diameter	Length	Material
Large Flange "POP" Rivets			
POPAD64BSLF	3/16"	1/4"	Aluminum/Steel
POPAD66BSLF	3/16"	3/8"	Aluminum/Steel
POPAD68BSLF	3/16"	1/2"	Aluminum/Steel
POPAD610BSLF	3/16"	5/8"	Aluminum/Steel
POPAD612BSLF	3/16"	3/4"	Aluminum/Steel
Sealed "POP" Rivets			
POPAD62AH	3/16"	.345"	Aluminum/Aluminum
POPAD64AH	3/16"	.470"	Aluminum/Aluminum
POPAD66AH	3/16"	.595"	Aluminum/Aluminum
POPAD68AH	3/16"	.720"	Aluminum/Aluminum
Sealed "POP" Rivets			
POPAD62H	3/16"	.345"	Aluminum/Steel
POPAD64H	3/16"	.470"	Aluminum/Steel
POPAD66H	3/16"	.595"	Aluminum/Steel
POPAD68H	3/16"	.720"	Aluminum/Steel

14.7 Monobolts

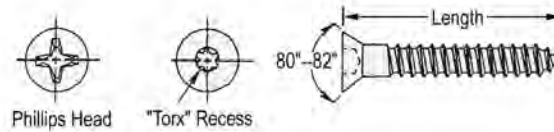
14.7.1: MONOBOLTS

Part Number	Diameter	Length	Pieces per Pound
Reserved for future part numbers			

Part Number	Diameter	Length	Pieces per Pound

14.8 Floor Screws

14.8.1: SELF TAPPING TYPE AB THREAD FORMING FLAT HEAD SCREWS (SCR1)



Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR1-137	#8	18	.75"	
SCR1-262	#10	24	.75"	
SCR1-268	#10	24	1.00"	
SCR1-290	#10	32	2.00"	
SCR1-387	#12	24	.75"	
SCR1-392	#12	24	1.00"	
SCR1-395	#12	24	1.12"	
SCR1-401	#12	14	1.50"	
SCR1-402	#12	24	1.50"	
SCR1-515	.25"	14	1.00"	
SCR1-516	.25"	20	1.00"	
SCR1-537	.25"	14	2.00"	

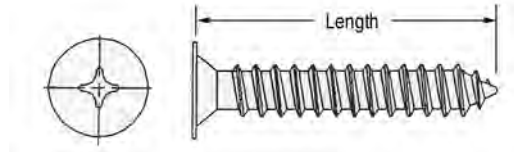
Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR1-538	.25"	20	2.00"	
SCR1-548	.25"	14	2.50"	
SCR1-560	.25"	28	3.00"	
SCR1-636	.31"	24	.75"	
SCR1-910	.44"	10	5.38"	
SCR1-912	.44"	10	5.62"	
SCR1-914	.44"	10	5.88"	

14.8.2: SELF TAPPING TYPE AB THREAD FORMING PAN HEAD SCREW (SCR2)



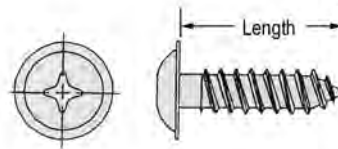
Part Number	Size	Thread/Inch	Length
SCR2-1	#6	20	.38"
SCR2-1000	#6	14	.50"
SCR2-1002	#6	40	.50"
SCR2-1004	#6	32	.62"
SCR2-1006	#6	20	.75"
SCR2-1007	#6	32	.75"
SCR2-1008	#6	40	.75"
SCR2-1009	#6	20	.88"
SCR2-1010	#6	40	.88"
SCR2-1011	#6	20	1.00"
SCR2-1012	#6	32	1.00"
SCR2-1013	#6	40	1.00"
SCR2-1014	#6	20	1.12"
SCR2-1015	#6	32	1.12"
SCR2-1016	#6	40	1.12"
SCR2-129	#8	18	.38"
SCR2-131	#8	18	.50"
SCR2-132	#8	32	.50"
SCR2-134	#8	18	.62"
SCR2-137	#8	18	.75"
SCR2-138	#8	32	.75"
SCR2-142	#8	18	1.00"
SCR2-143	#8	32	1.00"
SCR2-148	#8	18	1.25"
SCR2-153	#8	18	1.50"
SCR2-154	#8	32	1.50"
SCR2-253	#10	16	.38"
SCR2-256	#10	16	.50"
SCR2-257	#10	24	.50"
SCR2-259	#10	16	.62"
SCR2-261	#10	16	.75"
SCR2-262	#10	24	.75"
SCR2-267	#10	16	1.00"
SCR2-268	#10	24	1.00"
SCR2-27	#10	16	1.12"
SCR2-272	#10	16	1.25"

Part Number	Size	Thread/Inch	Length
SCR2-278	#10	16	1.50"
SCR2-279	#10	24	1.50"
SCR2-283	#10	16	1.75"
SCR2-289	#10	16	2.00"
SCR2-29	#10	24	2.00"
SCR2-380	#12	14	.50"
SCR2-381	#12	24	.50"
SCR2-386	#12	14	.75"
SCR2-387	#12	24	.75"
SCR2-391	#12	14	1.00"
SCR2-392	#12	24	1.00"
SCR2-394	#12	24	1.00"
SCR2-397	#12	14	1.25"
SCR2-401	#12	14	1.50"
SCR2-402	#12	24	1.50"
SCR2-407	#12	14	1.75"
SCR2-412	#12	14	2.00"
SCR2-413	#12	24	2.00"
SCR2-421	#12	24	2.38"
SCR2-425	#12	28	2.50"
SCR2-504	.25"	14	.50"
SCR2-505	.25"	20	.50"
SCR2-507	.25"	14	.62"
SCR2-51	.25"	14	.75"
SCR2-510	.25"	20	.75"
SCR2-515	.25"	14	1.00"
SCR2-516	.25"	20	1.00"
SCR2-518	.25"	14	1.12"
SCR2-520	.25"	14	1.25"
SCR2-526	.25"	14	1.50"
SCR2-527	.25"	20	1.50"
SCR2-527	.25"	14	2.00"
SCR2-538	.25"	20	2.00"
SCR2-548	.25"	14	2.50"
SCR2-56	.25"	20	3.00"
SCR2-621	.25"	20	5.88"

14.8.3: S.T. TYPE AB THREAD FORMING COUNTER SUNK FLANGE HEAD SCREW (SCR3)


Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR3-8	.38"	12	2.62"	

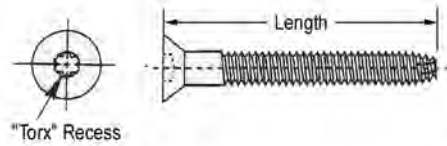
Part Number	Size	Threads/ Inch	Length	Package Qty.

14.8.4: S.T. TYPE AB THREAD FORMING TRUSS WASHER HEAD SCREW (SCR4)


Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR4-2	#8	18	3.62"	
SCR4-262	#10	24	.75"	
SCR4-268	#10	24	1.00"	
SCR4-269	#10	32	1.00"	
SCR4-3	#10	16	2.50"	
SCR4-381	#12	24	.50"	
SCR4-387	#12	24	.75"	
SCR4-392	#12	24	1.00"	
SCR4-505	.25"	20	.50"	
SCR4-510	.25"	20	.75"	

Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR4-516	.25"	20	1.00"	
SCR4-63	.31"	18	.50"	
SCR4-635	.31"	18	.75"	
SCR4-640	.31"	18	1.00"	
SCR4-765	.38"	16	1.00"	
SCR4-766	.38"	16	1.50"	

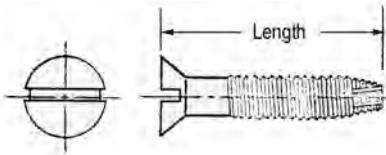
14.8.5: THREAD CUTTING TYPE F FLAT HEAD TX STYLE SCREW (SCR5)



Part Number	Size	Thread/Inch	Length	Package Qty.
SCR5-516	.25"	20	1.00"	50
SCR5-521	.25"	20	1.25"	50
SCR5-527	.25"	20	1.50"	50
SCR5-528	.25"	28	1.50"	50
SCR5-538	.25"	20	2.00"	50
SCR5-543	.25"	20	2.25"	50
SCR5-549A	.25"	20	2.50"	50
SCR5-549B	.25"	20	2.50"	1000
SCR5-56	.25"	20	3.00"	-----
SCR5-56A	.25"	20	3.00"	25
SCR5-57	.25"	14	3.50"	-----
SCR5-581	.25"	20	4.00"	25

Part Number	Size	Thread/Inch	Length	Package Qty.
SCR5-602	.25"	20	5.00"	25
SCR5-624	.25"	20	6.00"	25
SCR5-635	.31"	18	.75"	-----
SCR5-646	.31"	18	1.25"	50
SCR5-651	.31"	18	1.50"	50
SCR5-662	.31"	18	2.00"	50
SCR5-668	.31"	18	2.25"	-----
SCR5-673	.31"	18	2.25"	50
SCR5-684	.31"	18	3.00"	25
SCR5-695	.31"	18	3.50"	-----
SCR5-716	.31"	18	4.50"	-----

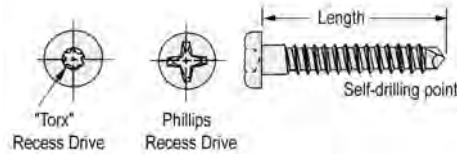
14.8.6: THREAD CUTTING TYPE F FLAT HEAD SLOTTED SCREW (SCR8)



Part Number	Size	Threads/Inch	Length	Package Qty.
SCR8-528	.25"	28	1.50"	
SCR8-668	.31"	18	2.25"	

Part Number	Size	Threads/Inch	Length	Package Qty.

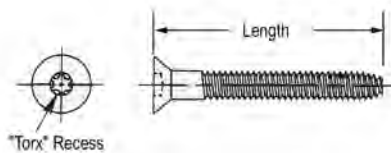
14.8.7: SELF DRILL/TAPPING TYPE AB THREAD FORMING PAN HEAD SCREW (SCR10)



Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR10-267	#10	16	1.00"	
SCR10-386	#12	14	.75"	
SCR10-391	#12	14	1.00"	
SCR10-515	.25"	14	1.00"	

Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR10-518	.25"	14	1.12"	
SCR10-537	.25"	14	2.00"	

14.8.8: THREAD FORMING FLAT HEAD TX STYLE SCREW (SCR11)

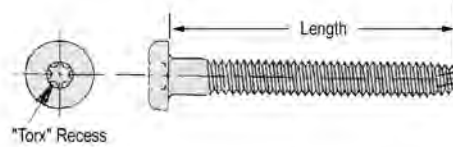


Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR11-14500	.25"	14	5.00"	
SCR11-515	.25"	14	1.00"	
SCR11-516	.25"	20	1.00"	
SCR11-520	.25"	14	1.25"	
SCR11-521	.25"	20	1.25"	
SCR11-526	.25"	14	1.50"	
SCR11-527	.25"	20	1.50"	
SCR11-531	.25"	14	.75"	
SCR11-532	.25"	20	1.75"	
SCR11-537	.25"	14	2.00"	
SCR11-538	.25"	20	2.00"	
SCR11-548	.25"	14	2.50"	
SCR11-549	.25"	20	2.50"	
SCR11-559	.25"	14	3.00"	
SCR11-56	.25"	20	3.00"	
SCR11-56A	.25"	----	5.00"	
SCR11-580	.25"	14	4.00"	50

Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR11-602	.25"	20	5.00"	
SCR11-642	.31"	12	1.12"	
SCR11-657	.31"	18	1.75"	
SCR11-661	.31"	12	2.00"	
SCR11-662	.31"	18	2.00"	
SCR11-665	.31"	18	2.12"	
SCR11-668	.31"	18	2.25"	
SCR11-672	.31"	12	2.50"	
SCR11-673	.31"	18	2.50"	
SCR11-683	.31"	12	3.00"	
SCR11-684	.31"	18	3.00"	
SCR11-695	.31"	18	3.50"	
SCR11-77	.38"	12	1.25"	

14.9 Miscellaneous Screws

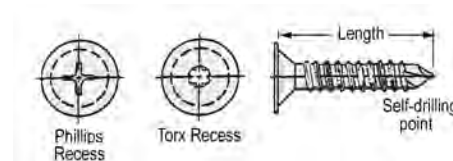
14.9.1: THREAD CUTTING PAN HEAD TX STYLE SCREW (SCR6)



Part Number	Size	Thread/ Inch	Length	Package Qty.
SCR6-261	#10	16	.75"	
SCR6-51	.25"	14	.75"	
SCR6-515	.25"	14	1.00"	
SCR6-526	.25"	14	1.50"	
SCR6-537	.25"	14	2.00"	
SCR6-538	.25"	20	2.00"	2000
SCR6-538A	.25"	20	2.00"	
SCR6-548	.25"	14	2.50"	
SCR6-549	.25"	20	2.50"	1800
SCR6-559	.25"	14	3.00"	

Part Number	Size	Thread/ Inch	Length	Package Qty.
SCR6-649	.31"	18	1.38"	
SCR6-661	.31"	12	2.00"	
SCR6-662	.31"	18	2.00"	
SCR6-695	.31"	18	3.50"	
SCR6-716	.31"	18	4.50"	

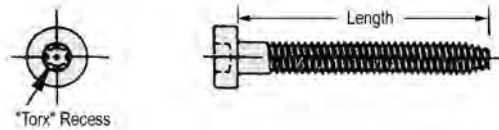
14.9.2: TEKS THREAD FORMING FLAT WASHER SCREW (SCR7)



Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR7-153	#8	18	1.50"	
SCR7-160	#8	36	1.75"	
SCR7-262	#10	24	.75"	
SCR7-267	#10	16	1.50"	

Part Number	Size	Threads/ Inch	Length	Package Qty.
SCR7-278	#10	16	1.50"	

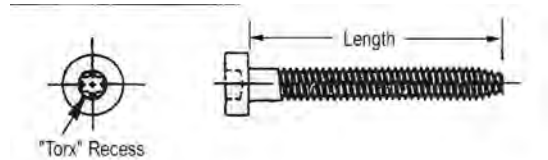
14.9.3: HARDENED THREAD FORMING PAN HEAD TX STYLE SCREW (SCR12)



Part Number	Size	Threads/ Inch	Length	Special Notes
SCR12-643	.31"	18	1.12"	
SCR12-662A	.31"	18	2.00"	

Part Number	Size	Threads/ Inch	Length	Special Notes

14.9.4: THREAD FORMING PAN HEAD TX STYLE SCREW (SCR15)



Part Number	Size	Threads/ Inch	Length	Special Notes
SCR15-657	.31"	18	1.75"	

Part Number	Size	Threads/ Inch	Length	Special Notes

14.9.5: HEXAGON SOCKET SET SCREW (SCRW7)

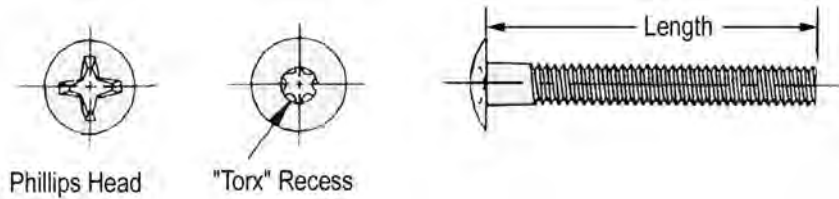


Part Number	Size	Hex Socket Size	Point Type
SCW7-1	#8	.078"	Cup Point
SCW7-2	#10	.094"	Cup Point
SCW7-3	.25"	.12"	Cup Point
SCW7-4	.31"	.156"	Cup Point
SCW7-5	.38"	.18"	Cup Point

Part Number	Size	Hex Socket Size	Point Type
SCW7-6	.38"-16 x 1.25"		Full Dog Point

14.10 Machine Screws

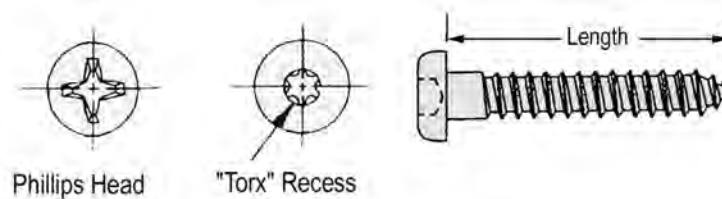
14.10.1: MACHINE SCREWS (SCW3)



Part Number	Size	Threads/Inch	Length	Head Type
SCW3-10	#6	32	.38"	
SCW3-1001	#6	32	.50"	
SCW3-1007	#6	32	.75"	
SCW3-132	#8	32	.50"	
SCW3-134	#8	18	.62"	
SCW3-138	#8	32	.75"	
SCW3-253	#10	16	.38"	
SCW3-257	#10	24	.50"	
SCW3-258	#10	32	.50"	
SCW3-262	#10	24	.75"	

Part Number	Size	Threads/Inch	Length	Head Type
SCW3-263	#10	32	.75"	
SCW3-268	#10	24	1.00"	
SCW3-279	#10	24	1.50"	
SCW3-28	#10	32	1.50"	
SCW3-282	#10	32	1.62"	Phillips
SCW3-381	#12	24	.50"	
SCW3-387	#12	24	.75"	
SCW3-391	#12	14	1.00"	
SCW3-781	.38"	16	1.75"	TX Style

14.10.2: PAN HEAD MACHINE SCREWS (SCW4)



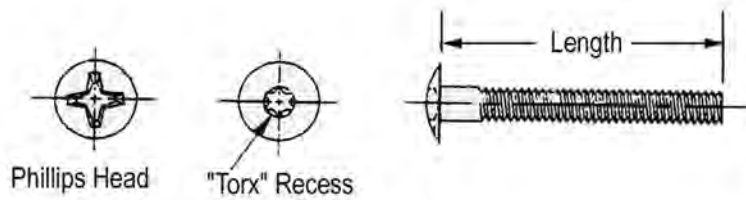
Part Number	Size	Threads/Inch	Length	Head Type
SCW4-1	#6	20	.38"	
SCW4-10	#6	32	.38"	
SCW4-1000	#6	20	.50"	
SCW4-1001	#6	32	.50"	
SCW4-1006	#6	20	.75"	
SCW4-1007	#6	32	.75"	
SCW4-1011	#6	20	1.00"	
SCW4-108	#6	20	4.12"	
SCW4-111	#6	40	5.25"	
SCW4-115	#6	20	5.50"	
SCW4-119	#6	32	5.62"	
SCW4-122	#6	40	5.75"	
SWC4-129	#8	18	.38"	

Part Number	Size	Threads/Inch	Length	Head Type
SCW4-131	#8	18	.50"	
SCW4-132	#8	32	.50"	
SCW4-137	#8	18	.75"	
SCW4-138	#8	32	.75"	
SCW4-142	#8	18	1.00"	
SCW4-143	#8	32	1.00"	
SCW4-253	#10	16	.38"	
SCW4-255	#10	32	.38"	
SCW4-256	#10	16	.50"	
SCW4-257	#10	24	.50"	
SCW4-258	#10	32	.50"	
SCW4-261	#10	16	.75"	
SCW4-262	#10	24	.75"	

Part Number	Size	Threads/ Inch	Length	Head Type
SCW4-263	#10	32	.75"	
SCW4-267	#10	16	1.00"	
SCW4-268	#10	24	1.00"	
SCW4-269	#10	32	1.00"	
SCW4-272	#10	16	1.25"	
SCW4-278	#10	16	1.50"	
SCW4-279	#10	24	1.50"	
SCW4-28	#10	32	1.50"	
SCW4-380	#12	14	.50"	
SCW4-381	#12	24	.50"	
SCW4-386	#12	14	.75"	
SCW4-387	#12	24	.75"	
SCW4-391	#12	14	1.00"	
SCW4-397	#12	14	1.25"	

Part Number	Size	Threads/ Inch	Length	Head Type
SCW4-398	#12	24	1.25"	
SCW4-401	#12	14	1.50"	
SCW4-504	.25"	14	.50"	
SCW4-505	.25"	20	.50"	
SCW4-51	.25"	14	.75"	
SCW4-515	.25"	14	.75"	
SCW4-516	.25"	20	1.00"	
SCW4-524	.25"	20	1.38"	
SCW4-549	.25"	20	2.50"	
SCW4-580	.25"	14	4.00"	
SCW4-657	.31"	18	1.75"	
SCW4-662	.31"	18	2.00"	
SCW4-754	.38"	16	.50"	
SCW4-93	.50"	20	1.25"	

14.10.3: TRUSS HEAD MACHINE SCREWS (SCW5)



Part Number	Size	Threads/ Inch	Length	Recess
SCW5-267	#10	16	1.00"	
SCW5-268	#10	24	1.00"	
SCW5-401	#12	14	1.50"	
SCW5-510	.25"	20	.75"	
SCW5-513	.25"	20	.88"	Phillips
SCW5-516	.25"	20	1.00"	TX Style

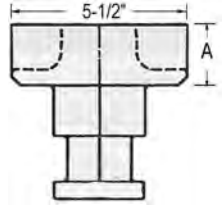
Part Number	Size	Threads/ Inch	Length	Recess
SCW5-521	.25"	20	1.50"	
SCW5-639B	.31"	18X	.94"	TX Style
SCW5-765	.38"	16	1.88"	TX Style

15: Couplers & Hitches

15.11: King Pins & Locks	2
15.12: Fruehauf Drawbar Eye Assemblies & Components	3
15.13: Holland Coupler & Accessories	4

15.14 King Pins & Locks

15.14.1: FRUEHAUF MALTESE CROSS STYLE KING PIN

Part Number	Bottom Plate Thickness	Usage	A	Figure
FRUFXA0061-3	1/4"	Low profile	1-15/16"	Meets AAR Specifications 
FRUFXA0061-5	1/4"	3-1/4" Coupler	2-7/16"	
FRUFXA0061-2	1/4"	4" Coupler	3-5/8"	
FRUFXA0061-6	3/8"	Low profile	2-5/16"	
FRUFXA0061-4	3/8"	4" Coupler	3-5/8"	
FRUFXA0061-8	1/2"	-----	1-7/8"	
HOLKP-AAR-3-C	1/2"	-----	2"	
HOLKP-AAR-5-E	1/2"	-----	2-1/2"	

15.14.2: INDUSTRY STANDARD KING PIN

Part Number	Plate Thickness	Figure
MTR03200001	1/4"	
APTTSK-001	3/8"	
FRUFXB0196	3/8"	
HOLKP-T-809-F	3/8"	
MTR03200005	5/16"	
FRUFXB0196-2	1/2"	
HOLKPT809-BF	1/2"	
* 2" Weld on * 8" diameter head * Heat treated to 302-363° Brinell hardness * Meets AAR specification		

15.14.3: KING PIN LOCK ASSEMBLIES

Part Number	Description	Style	Figure
MTR24750008	Miscellaneous key #'s	A	
MTR24750020	Key #5	A	
MTR770	Miscellaneous key #'s	A	
BWPM770	Miscellaneous key #'s	B	
Special key numbers can be ordered. Call for details.			

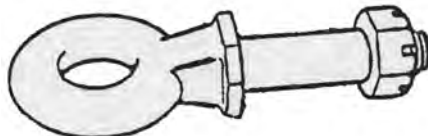
15.15 Fruehauf Drawbar Eye Assemblies & Components

15.15.1: DOUBLE LOCK PINTLE HOOKS

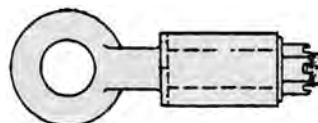


1. FRUCCF5856-1

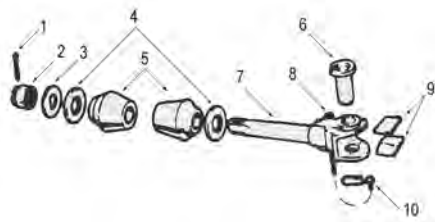
15.15.2: FRUEHAUF DRAWBAR EYE KIT

Part Number	Description	Figure
FRUFCA5316-8	Drawbar eye	
FRUCCA9823	Hex nut	
3" I.D. Eye—6.25" OD—2.0" Shank Diameter 17" Overall length		

15.15.3: FRUEHAUF DRAWBAR EYE BLOCK & WASHER

Part Number	Description	Figure
FRUCCA9880-1	Eye Block	
FRUFCC9439-1	Washer	
For use with 2" shank diameter drawbar eyes		

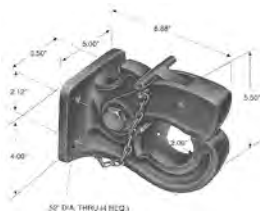
15.15.4: HEAVY DUTY CLEVIS CONNECTOR COMPONENTS

Part Number	Qty	Description	Number	Figure
Not Available	1	Pin, 1/4" x 2-3/4" cotter	1	
FRU530087	1	Hex nut, 1-1/2"—12 SAE	2	
Not Available	1	2" Washer	3	
FRUCCA2279-1	2	Washer	4	
FRUCCA2280	2	Rubber bushing	5	
FRUCCF0348-1	1	Clevis Pin, 2-3/4"	6	
FRU674273	1	Trailer connector shaft	7	
FRUCCA8658	1	Trailer connector clevis	8	
FRUCCA8690	2	Wedge	9	
FRUCCA8682	1	Safety clip	10	

15.16 Holland Couplers & Accessories



1. HOPH-T-60-AOL-8



1. HOPH-75



Less plunger, air cylinder, & bracket
1. HOPH-200-1



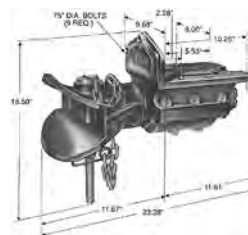
Complete

1. HOPH-400



Less plunger, air cylinder, bracket

1. HOPH-400-1



1. HOPH-T-990



1. HOLJS-300J



16: Sealants, Adhesives, Chemicals & Paints

- 16.1: Sealants & Adhesives 2
- 16.2: Roof Repair Kits & Accessories 3
- 16.3: Roof & Body Tape..... 4
- 16.4: Handi Foam Kits 6
- 16.5: Key Polymer Floor Restore Kits..... 7
- 16.6: Chemicals, Greases, & Degreasers 8
- 16.7: Paints & Accessories 10

16.1 Sealants & Adhesives

					
1. SIK221-121	10.3 oz. White	1. SIK221-521	11 oz. White	1. SIK252-521	10.3 oz. White
2. SIK221-122	10.3 oz. Alum.	2. SIK221-522	11 oz. Aluminum	2. SIK252-523	10.3 oz. Black
		3. SIK221-523	11 oz. Black		
					
1. MAM636	10 oz.	1. MASVIT1987	11 oz.	1. SIL6324	11 oz. White
				2. SIL6325	11 oz. Gray
				3. SIL6328	11 oz. Super White
				4. SIL6330	11 oz. Aluminum
					
1. MAN30A-Alum. 11 oz.		1. MAN501-A-Alum. 11 oz.		1. MAN65A-Alum. 10 oz.	
2. MAN30A-White 11 oz.		2. MAN501-A-White 11 oz. (Same as 37-A)		2. MAN65A-White 10 oz.	
					
				1. MAN73A-Alum. 10 oz.	
				2. MAN73A-Black 10 oz.	
				3. MAN73A-Clear 10 oz.	
				4. MAN73A-White 10 oz.	
		All types are designed for sealing gaps between metal and wood surfaces to keep out air or water penetration. 			
1. MMM90 Spray adhesive		Colors: Standard grey and white. Other colors available upon request. Storage life: Approximately 9 months to 1 year.			
		1. Neoprene, Sikaflex, and GE Silicone Sealants			

16.2 Roof Repair Kits & Accessories

Kemlite Roof Repair Kit 2 quarts of T-Mix (enough to do a 6 sq. ft., 3 ply repair) 1 tube of catalyst (1/2 ounce) 18 sq. ft. of chopped strand mat 1 piece of embossed film (3' x 4') 1 piece of smooth film (3' x 4') 2 mixing cups (1 pint) 2 squeegees 2 mixing sticks 1 pair of gloves T-Mix, chopped strand mat, silicone sealant and embossed and smooth film and panels of .075" thick Kemlite translucent roof material are available. 1. KEMRK387	Translucent Roof Repair Kit  1. KEMR50SNPTCHK	Roof Sealer  1. MASAH-55
Aluminum Roof Coating  1. MAS5180-1GAL	Black Plastic Roof Coating  1. MAS6129-1GAL	Black Plastic Roof Patch  1. MAS6229-1GAL
Aluminum Gray Roof Seal  1. MAN65-B-GAL	Aluminum Gray Roof Seal  1. MAN65-H	Roof Sealer  1. MAM640
Fiberglass Resin  1. MRK101-C	4" x 150' Glass Fabric  1. FRP4-1	Aluminum Roof Repair Kit  1. FRP4-2 2. FRP4-3
 1. MAN11-A 6 oz. 2. MAN11-A-QUART 1 qt.		Add. MAS6229-1GAL

16.3 Roof & Body Tape

16.3.1: VINYL FOAM TAPE

Part Number	Thickness x Width x Length	Figure
TAP62751003	1/16" x 5/8" x 200'	
TAP62751004	1/16" x 1/4" x 200'	
TAP62751005	1/16" x 1-1/4" x 200'	
TAP62751006	1/16" x 1" x 200'	
FRUSTK70071-200	3/16" x 1/4" x 200'	
TAPAAS000498020	3/32" x 6" x 20'	
FRUSTK70070-200	3/32" x 3/16" x 200'	
TAPSTK070069100	1/16" x 1/4" x 100'	
TAPSTK070142020	3/4" x 3/4" x 20'	
MAN64-2A	1/16" x 1" x 100'	
MAN64-2-2A	1/16" x 5/8" x 100'	
MAN64A	1/8" x 5/8" x 60'	

16.3.2: ACRYLIC FOAM TAPE

Part Number	Thickness x Width x Length	Figure
TAPSTK070207108	.045" x 1/2" x 108'	
TAPSTK070207216	.045" x 1" x 216'	

16.3.3: PVC TAPE

Part Number	Thickness x Width x Length	Figure
TAP1-1	.003" x 3" x 72 yds.	
TAP1-2	.003" x 3-1/2" x 72 yds.	
TAP1-3	.003" x 5-1/2" x 72 yds.	
TAP1-4	1/16" x 3/4" x 150'	
TAP1-5	3/32" x 1" x 100'	

16.3.4: TEDLAR TAPE

Part Number	Width x Length	Color	Figure
TAP62751021	6" x 30 yds.	White	
TAP62751024	6" x 30 yds.	Gray	
TAP62751044	2" x 160'	Orange	
TAP62751045	2" x 195'	Orange	
TAP62751046	6" x 90'	Blue	
TAP62751051	6" x 70'	Blue	
TAP73653470	12" x 90'	White	

16.3.5: BODY REPAIR TAPE

Part Number	Width x Length	Color	Figure
TAP2-1	4" x 33.6'	Aluminum	
TAP2-2	4" x 50'	Aluminum	
TAP2-3	6" x 33.6'	Aluminum	
TAP2-4	6" x 50'	Aluminum	
MAN4X50ALUMA	4" x 50'	Aluminum	

16.3.6: MISCELLANEOUS TAPES

Cloth Duct Tape  1. TAPAAA000477 2" x 60 yds.	Vinyl Electrical Tape  1. TAPAAS000172 3/4" x 60 yds.	Butyl Rubber  1. TAPSTK070067065 1/8" x 50'
Mylar Body Tape  1. TAP1-7 4" x 72 yds.	Fiberglass Fabric  1. FRP4-1 4" x 150'	Vinyl Clear Backed Adhesive Tape (non-abrasive)  1. TAPSTK028633108 2" x 108'

16.4 Handi Foam Kits

These are two part kits that quickly fill open spaces.
It insulates, dampens sound, seals & bonds.



- * For small repairs
- * Thumb controls
- * 2 nozzles per kit

1. FOMII-12 Coverage 12 board feet



- * For small repairs
- * Thumb controls
- * 2 nozzles per kit

1. FOMII-22 Coverage 22 board feet



- * For medium repairs
- * Easy to carry
- * 12 nozzles per kit

1. FOMII-105 Coverage 105 board feet



- * For medium repairs
- * Easy to carry
- * 12 nozzles per kit

1. FOMII-205 Coverage 205 board feet



- * For larger jobs
- * 15 foot hose
- * 12 nozzles per kit

1. FOMII-605 Coverage 605 board feet

16.5 Key Polymer Floor Restore Kits

KEY POLYMER



2. KEYEC53AB 53'
3. KEYEC1055ABSF 48'
Solvent Free



1. KEY87-117AB Keyguard



1. KEYSS200 2.5 lbs. Slip stop additive



1. KEYFP100AB Crack filler kit



1. KEYQP300 Kit

16.6 Chemicals, Greases & Degreasers

16.6.1: TRUCK & TRAILER WASHES

Super Renew Concentrate



- | | |
|--------------------|--------------|
| 1. CHMAAS000100001 | 1 gal. |
| 2. CHMAAS000100060 | 60 gal. drum |

Green Concentrate



- | | |
|--------------------|--------|
| 1. CHMAAS000103001 | 1 gal. |
|--------------------|--------|

Super Trailer Bright



- | | |
|----------------|--------|
| 1. CHM62881001 | 1 gal. |
|----------------|--------|

16.6.2: CLEANERS & DEGREASERS



- | | |
|-------------|--------------|
| 1. CRC05021 | 16 oz. spray |
|-------------|--------------|



- | | |
|-------------|--------------|
| 1. CRC05089 | 20 oz. spray |
|-------------|--------------|



- | | |
|----------------|--------------|
| 1. CHM62806720 | 20 oz. spray |
|----------------|--------------|

16.6.3: GREASES

Penetrant/Lubricants	Lithium Grease	Spray Lube	Grease
			
1. CRC05005 9 oz.	1. LUB62753310 14 oz.	1. LUBMLU003463 11 oz.	1. LUBMLU007298 14.5 oz.
Lubricant chain/cable	Auto Marine Grease	Motor Grease #105	Motor Grease #105
			
1. LUBMLU013563 12 oz.	1. LUBMLU020698 12 oz.	1. LUBMLU003401 14 oz.	1. LUBMLU003494 10 oz.
Multipurpose Lubricant			
			
1. LUBMSL000903 5-1/4 oz.			

16.7 Paints & Accessories

16.7.1: SPRAY PAINTS

Part Number	Color	Size	Figure
PNT13-2	Gloss White	10.5 oz.	
PNT13-3	Semi-gloss White	10.5 oz.	
PNT3-2	Gloss Black	10.5 oz.	
PNT3-3	Flat Black	10.5 oz.	
PNT3-4	Hot Rod Black Primer	10.5 oz.	
PNT4-1	Royal Blue	10.5 oz.	
PNT11-1	Bright Red	10.5 oz.	
PNT11-2	Red Metallic	10.5 oz.	
PNT12-1	Chrome Silver	10.5 oz.	
PNT7-2	Machine Gray	10.5 oz.	
PNT7-3	Gray Primer	10.5 oz.	
PNT13-8	White	11.5 oz.	
PNT13-11	Reefer White	11.5 oz.	
PNT3-13	Gloss Black	11.5 oz.	
PNT7-18	Gray Primer	11.5 oz.	
PNT7-13	Gray Primer	11.5 oz.	
PNT7-16	Gray Enamel	11.5 oz.	
PNT7-12	Gray	11.5 oz.	
PNT1-5	Dull Aluminum	11.5 oz.	
PNT1-6	Aluminum	11.5 oz.	
PNT11-10	Old Red	11.5 oz.	
PNT11-12	#89 Red	11.5 oz.	

16.7.2: TECTYL COATINGS

Part Number	Color	Size	Figure
PNT3-15	Black	12 oz.	
PNT8-6	Green	13 oz.	
PNT4-7	Blue	16 oz.	
PNT7-27	Grey	16 oz.	

16.7.3: CONTAINER PAINTS

OWNERS / LESSORS / SHIPPING COMPANIES	HEMPEL SHADE
ACL - Atlantic Container Line, Inc	No. 5063
ACS - Atlantic Cargo Services AB	Nos. 6181 / 1999
ACT - Associated Container Transportation Ltd.	No. 1017
AMFICON - Amphibious Container Leasing Ltd.	No. 3017
ANL - Australian National Line Ltd.	No. 1010
APL - American President Lines Ltd.	No. 3017
Barrons Leasing Company	No. 5010
Bridgehead Container Services Ltd.	No. 3018
CAI - Container Applications International, Inc.	No. 5158
CCNI - Compania Chilena de Navigacion Interoceanica SA	No. 5309
CCR	No. 2025
CGM - Compagnie Generale Maritime	Nos. 1017 / 2045
CMA - Compagnie Maritime d'Affretement	No. 3212
COSCO - China Ocean Shipping Company	No. 1040
CSAV - Compania Sud Americana de Vapores	No. 1115
CSC - Ceylon Shipping Corp Ltd.	No. 1040
Cameron Shipping Lines SA	No. 2025
Canada Maritime Services Ltd.	No. 5309
Capital Lease GmbH	No. 4728
Cast Line Ltd.	No. 3018
Catu Containers SA	No. 4022
China Navigation Co.	Nos. 4090/6181
Cho Yang Shipping Corp.	No. 3724
Consent Equipment AB	No. 4217
Contship Containerlines Ltd.	No. 3393
Croatia Line	No. 5088
Cronos Containers Ltd.	No. 5309
DAL - Deutsche Africa Lines GmbH & Co.	Nos. 1115 / 5309
DFDS A/S	No. 3017
DNOL - Deutsche Nah-Ost Linien KG	No. 1738
d'Amico Societa di Navigazione SpA	No. 3084
A/S Dampskibsselskabet Torm	No. 3018
Delmas	No. 3724
Dolphin Containers	No. 5063
Eimskip	Nos. 2045 / 3724
Eurotainer SA	No. 3353

16.7.3: CONTAINER PAINTS

OWNERS / LESSORS / SHIPPING COMPANIES	HEMPEL SHADE
Evergreen Marine Corp. (Taiwan) Ltd.	No. 4265
Florens Container Corp. SA	No. 5063
Gateway Container International Ltd.	No. 1107
GE SEACO Services Ltd.	No. 3434
* Sea Container Corp.	No. 3434
* Genstar	No. 5440
* Instant Space	No. 1148
Geest North Sea Line BV	Nos. 3703 / 3035
Gold Container Corp.	No. 3703
Gruppo Finmare	No. 3724
* Grimaldi Group	No. 3209
* ICCU Containers SpA	No. 5180
* Italia di Navigazione SpA	No. 1073
* Lloyd Triestino di Navigazione SpA	No. 3724
ECR Gordijn Container BV	No. 1017
Hamburg Suedamerikanische Dampfschiffahrts-Gesellschaft	No. 2045 / 5702
Hanjin Shipping Co. Ltd.	No. 3724
Hapag-Lloyd Containerlinie GmbH	No. 5004
ICE - Inter-Continental Equipment	No. 2047
Interpool Ltd.	Nos. 3018 / 3155
Islamic Republic of Iran Shipping Lines	No. 4005
Jadranska Slobodha Plovidba	No. 3084
K-Line - Kawasaki Kisen Kaisha Ltd.	No. 5545
Losinjaska Plovidba	No. 1217
Lykes Lines Ltd.	No. 3018
MISC - Malaysian International Shipping Corp. Bhd	No. 5741
MOL - Mitsui-OSK Lines Ltd.	No. 1900
MSC - Mediterranean Shipping Co. SA	No. 2690
Maersk Line	No. 1770
Maritainer	No. 3018
Maruba SCA	No. 3284
Matson Navigation Co.	No. 1017 / 5569
Messina Line	No. 5019
NOL - Neptune Orient Lines Ltd.	No. 1150
NYK - Nippon Yusen Kaisha	No. 3393 / 5004
National Shipping Company of Saudi Arabia	No. 4005 / 4021
Naviera Pinillos SA	No. 5720

16.7.3: CONTAINER PAINTS

OWNERS / LESSORS / SHIPPING COMPANIES	HEMPEL CODE
Norasia Line	No. 3010
OOCL - Orient Overseas Container Line Ltd.	No. 1217
OPDR - Oldenburg-Portugiesische Dampfschiffs-Rhederei	No. 5017
OT Africa Line	No. 3018
P&O Nedlloyd Container Line	No. 1731
* Nedlloyd Lines	Nos. 1040 /2045
* P&O Containers	No. 3393
Pacific International Lines (Pte) Ltd.	No. 3724
Polish Ocean Lines	No. 5309
RCL - Regional Container Lines (Pte) Ltd.	No. 3393
Royal Arctic Line A/S	No. 5715
Safmarine	No. 3024
Safmarine & CMBT Lines NV	No. 3024
* CMB Transport	No. 5019
Sea-Land Service Inc.	No. 1234
TMM - Transportacion Maritima Mexicana SA de CV	No. 4061
Tarros International SpA	No. 1148
Textainer Equipment Management (US) Ltd.	No. 5309
* Prime Source	No. 1137
Transamerica Leasing Inc.	No. 52251
* Spacewise	No. 3078
* TOL - Trans Ocean Ltd.	No. 5309
Transatlantica	No. 3724
Trifleet Leasing (NL) BV	No. 5309
Triton Container International Ltd.	No. 6181
UASC - United Arab Shipping Co.	No. 4702
UCS - United Container Systems GmbH	No. 5309
Uniglory Marine Corp.	No. 5548
WEC - West European Container Lines BV	No. 3018
Wan Hai Lines	No. 3045
Waterfront Container Leasing Co. Ltd.	No. 3018
Andrew Weir Shipping Ltd.	No. 4705
Xtra International Ltd.	No. 5569
Yangming Marine Transport Corp.	No. 1900
Zim Israel Navigation Co. Ltd.	No. 5309

Also Available in Spray

16.7.4: MISCELLANEOUS PAINTS & ACCESSORIES

Enamel Thinner		Enamel Enhancer		Enamel Thinner	
					
1. PNT50-1	1 gal.	1. PNT50-5	1 pt.	1. PNT50-6	1 gal.
Metallic Gray Non-Slip Paint		Blaster Penetrating Catalyst			
					
1. PNT7-22	1 gal.	1. VAMBL-16-PB	12 oz.		

17: Splash Guards & Fenders

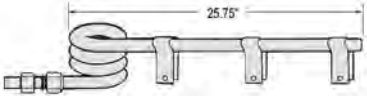
17.1: Splash Guard Holders	2
17.2: Splash Guards	6

17.1 Splash Guard Holders



17.1.1: BETTS STANDARD SPLASH GUARD HOLDERS



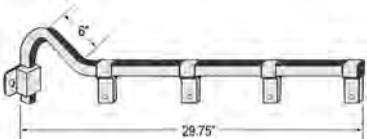
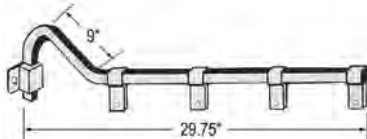
 3/4" Round steel 7" shorter to accommodate door hook ups	 .640" Square steel—interchangeable	 .640" Square steel—interchangeable
1. BETB-21* Set	1. BETA-23L 2. BETA-23R 3. BETB-23S* LH arm RH arm Set	1. BETA-25-R/L 2. BETB-25S* Arms Set

*All sets include 2 spring arms (holders) 2 BETB-711 mounting brackets, clips, nuts & bolts



17.1.2: BETTS OFF-SET SPLASH GUARD HOLDERS



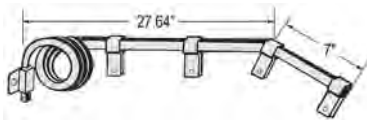
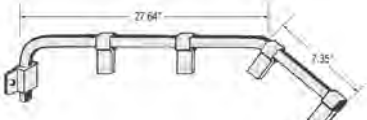
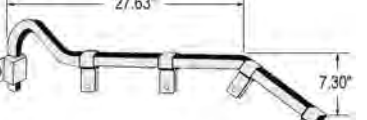
 6" Off-set .640" square steel	 9" Off-set arm .640" square steel
1. BETA-29-L 2. BETA-29-R 3. BETB-29S* LH arm RH arm Set	1. BETA-69-L 2. BETA-69-R 3. BETB-69S* LH RH Set

*All sets include 2 spring arms (holders) 2 BETB-711 mounting brackets, clips, nuts & bolts



17.1.3: BETTS SHORTENED SPLASH GUARD HOLDERS

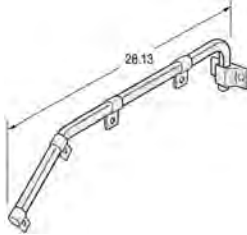


 .640" Square steel—interchangeable	 .640" Square steel—interchangeable	 .640" Square steel—Interchangeable
1. BETA-33L 2. BETA-33R 3. BETB-33S* LH arm RH arm Set	1. BETA-35-R/L 2. BETB-35S* Arms Set	1. BETB-39S* Set

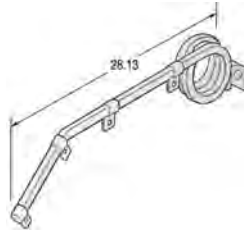
*All sets include 2 spring arms (holders), 2 BETB-711 mounting brackets, clips, nuts & bolts



17.1.1: FLEET ENGINEERS SHORTENED SPLASH GUARD HOLDERS



1. FLT031-00105* Set



1. FLT031-00133* Set

* All sets include 2 spring arms, 2 mounting brackets, clips, nuts, and bolts

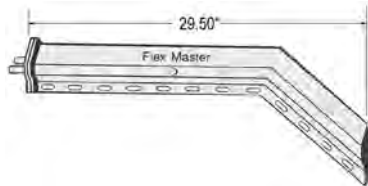


17.1.2: BETTS SPRING LOADED SPLASH GUARD HOLDERS



Indented surface for conspicuity tape

1. BETB-57NT Set

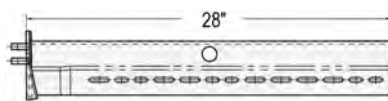


Indented surface for conspicuity tape

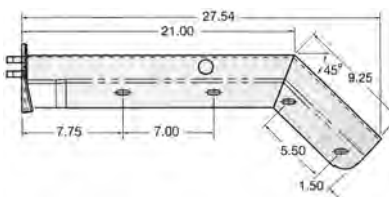
1. BETB-67NT Set



17.1.3: FLEET ENGINEERS SHORTENED SPLASH GUARD HOLDERS



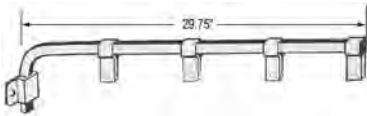
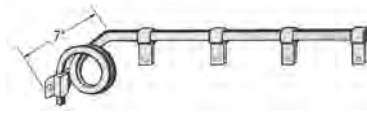
1. FLT033-00270* Set



1. FLT033-00864* Set

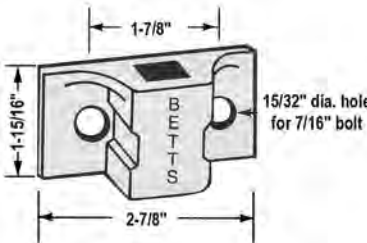
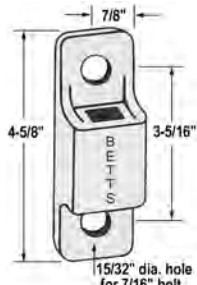
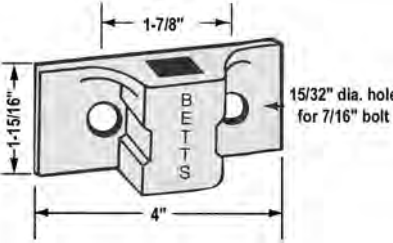
* All sets include 2 spring loaded brackets, mounting hardware, and end cap

17.1.4: BETTS HEAVY DUTY SPLASH GUARD HOLDERS

					
					
3/4" Spring steel—interchangeable		3/4" Spring steel—interchangeable		3/4" Spring steel—45° angle on end	
1. BETB-82*	Set	1. BETB-83HD*	Set	1. BETB-84HD*	Set
					
3/4" Spring steel—7" off-set					
1. BETB-85HD*	Set				

*Each set includes 2 spring arms (holders), 2 B-700 mounting brackets, clips, nuts & bolts.

17.1.5: BETTS MOUNTING BRACKETS & BOLT KITS

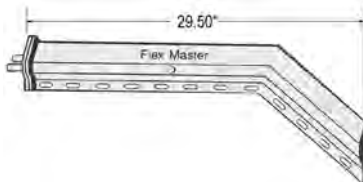
					
					
1. BETK-711*	Kit	1. BETB-650	Bracket	1. BETB-1732	Bracket
2. BETB-711	Bracket				
					
1. BETB-516	Bolt kit (50 kits)				

*Kit includes 2 brackets, nuts, bolts & washers.

17.1.6: CONSPICUITY TYPE SPLASH GUARD HOLDERS & ACCESSORIES


Indented surface for conspicuity tape

1. BETB-57NT Set



Indented surface for conspicuity tape

1. BETB-67NT Set

Straight Bracket Pair


1. BETRT25

Straight Bracket Pair


1. JKG2800 24" x 3" x 4.375"

Angled Bracket Pair


1. JKG2845 24" x 3" x 4.375"

Straight Bracket Kit

 Includes: 1 pair—JKG2000
 2—JKG2000WP
 2—JKG2001WP

1. JKG2800KIT

Angled Bracket Kit

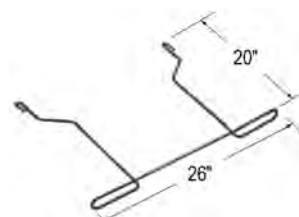
 Includes: 1 pair—JKG2000
 2—JKG2000WP
 2—JKG2001WP

1. JKG2845KIT

17.1.7: ANTI-SAIL SPLASHGUARD BRACKETS


Ruan Style

 1. BETA-91L LH bracket
 2. BETA-91R RH bracket

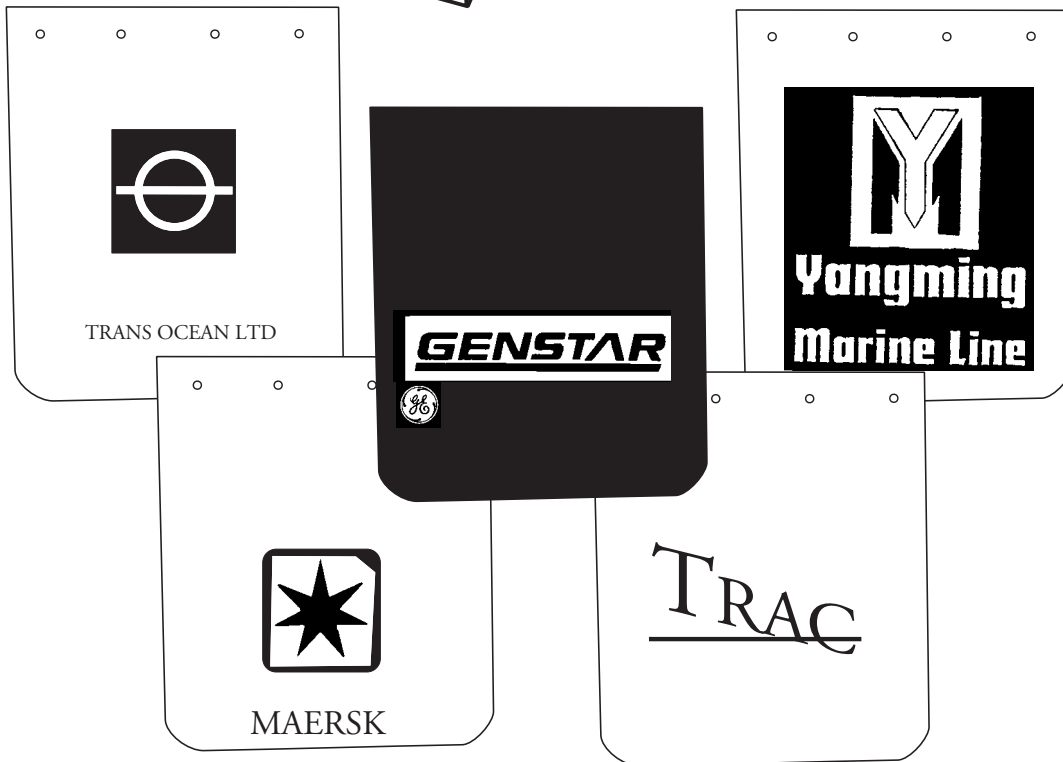
Standard Anti-Sail Bracket Pair

 1. FLT033-00078
 2. FLT033-00079

17.2 Splash Guards

17.2.1: MARTEC SPLASH GUARDS



MARTEC introduces to you THERMOFLEX heavy-duty splash guards, custom made to your needs. Ask about our color selections and give us your logo, so that everyone will be able to see and identify your truck, trailer or chassis on the highways. We also have plain black and white in stock for your Convenience.



1. Heavy-Duty Chassis/Trailer Splash Guards

17.2.2: PLAIN PLASTIC SPLASH GUARDS

3/16" plain white plastic 	3/16" plain black plastic 	3/8" plain white anti-spray ultra rubber 
1. SPL3-1 24" x 24" 2. SPL3-2 24" x 30" 3. SPL3-3 24" x 36"	1. SPL3-4 24" X 24" 2. SPL3-5 24" x 30" 3. SPL3-6 24" x 36"	1. SPL3-7 24" x 24" 2. SPL3-8 24" X 30" 3. SPL3-9 24" x 36" 4. SPL3-10 24" x 41"
" plain black i-spray stic 		
5. SPL3-11 24" x 24" 6. SPL3-12 24" x 30" 7. SPL3-13 24" x 36" 8. SPL3-14 24" x 41"		

17.2.3: PLAIN RUBBER SPLASH GUARDS

1/4" plain black rubber with CHEVRON mprint 		
1. SPL4-1 24" x 24" 2. SPL4-2 24" x 30" 3. SPL4-3 24" x 36"		

17.2.4: SPECIALTY SPLASH GUARDS

1" heavy duty black rubber anti-spray KONETA style "Quick Change" 		
1. SPL5-2 24" x 24" 2. SPL5-3 24" x 30" 3. SPL5-4 24" x 36"		



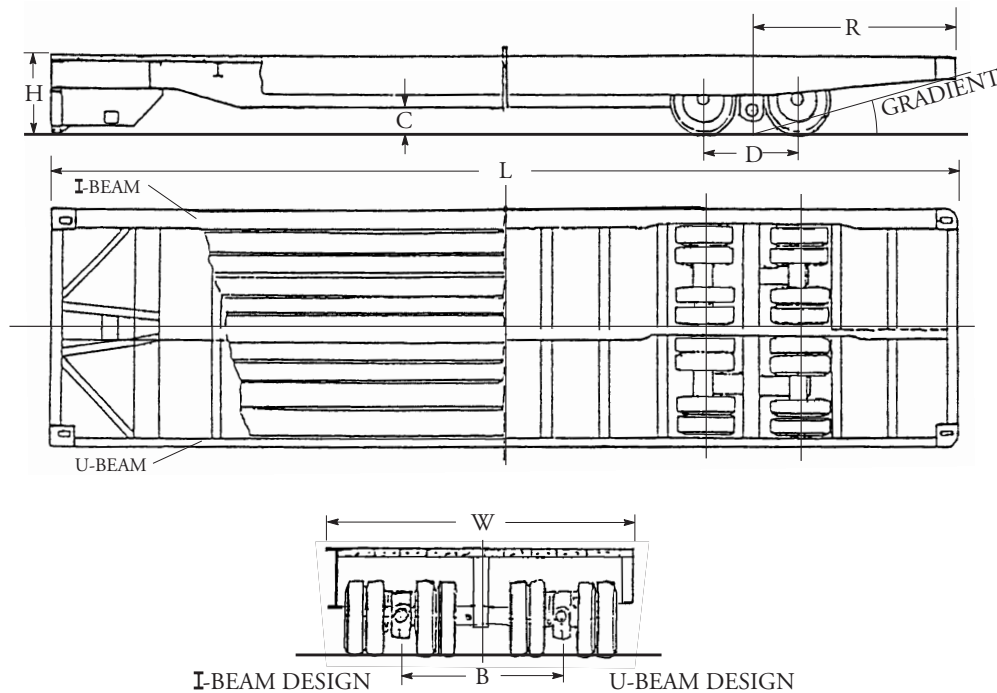
18: Rolltrailers, Specialty Products & Misc.

18.1: Rolltrailers and Accessories	2
18.2: Truck & Trailer Record Holders & Log Books	9
18.3: Smoke Bombs	10
18.4: Tools & Shop Items	11
18.5: RF Identification Devices	12
18.6: Drehtainer/Container Straightening Machine	14
18.7: 20-Ton Tie Down Assembly	16
18.8: Reefer Lashing Points	18

18.10 Rolltrailers and Accessories

18.10.1: ROLLTRAILERS

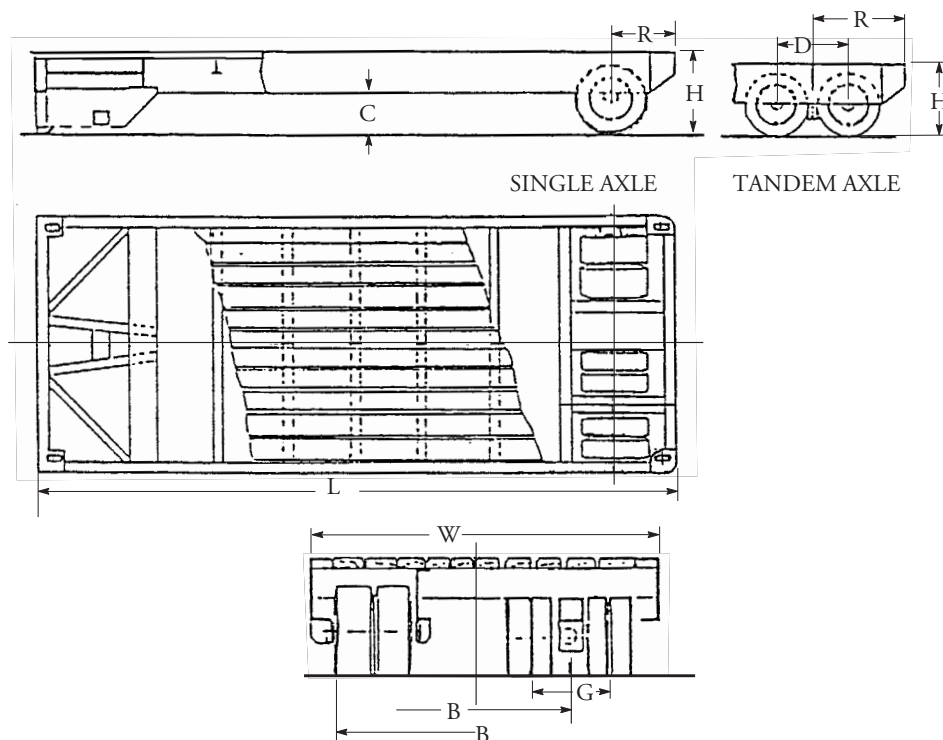
03.05.002



I-BEAM DESIGN U-BEAM DESIGN

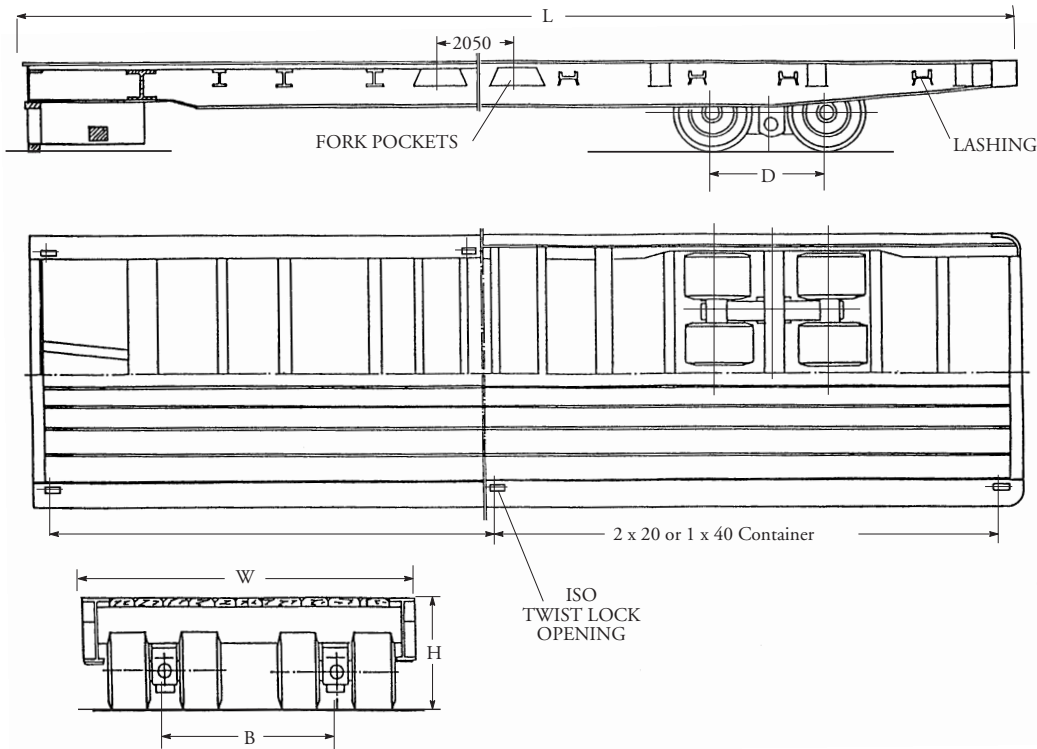
Technical Data	40'/40 Ton	40'/60 Ton	40'/80 Ton
Nominal Capacity (Ton)	40	60	30
Container Capacity (Ton)	40	60	30
Load Configuration	4 x 20' or	1 x 40' + 2 x 20' or	2 x 40
Tare Weight (kg)	5,600	6,600	7,900
Platform Size - L x W	12,260 x 2,500 mm	12,260 x 2,500 mm	12,260 x 2,500 mm
Platform Height (mm)	720	720	840
Gradiability (%)	22	28	25
Ground Clearance (C)	245 mm	320 mm	290 mm
Rear Overhang (R)	3,123 mm	3,123 mm	3,123 mm
Axle Base (B)	1,600 mm	1,350 mm	1,250 mm
Wheel Base (D)	800 mm	1,000 mm	1,000 mm
Wheel Diameter/Width	540 x 200	550 x 320	540 x 400
Axle Load	16,832 kg	24,583 kg	32,445 kg
Wheel Load	4,208 kg	6,146 kg	8,111 kg
Fifth Wheel Load (including gooseneck)	14,437 kg	19,914 kg	25,510 kg

03.05.001



Technical Data	20'/25 Ton	20'/40 Ton
Nominal Capacity (Ton)	25	40
Container Capacity (Ton)	25	40
Load Configuration	1 x 20'	2 x 20'
Tare Weight (kg)	2,370	3,300
Platform Size - L x W	6,118 x 2,500 mm	6,118 x 2,500 mm
Platform Height (H)	650 mm	650 mm
Gradiability (%)	33	33
Ground Clearance (C)	250 mm	250 mm
Rear Overhang (R)	400 mm	400 mm
Axle Base (B)	1,600 mm	1,300 mm
Wheel Base (D)		
Wheel Diameter/Width	540 x 200	540 x 400
Axle Load	18,350 kg	28,828 kg
Wheel Load	4,588 kg	7,207 kg
Fifth Wheel Load (including gooseneck)	11,520 kg	16,672 kg

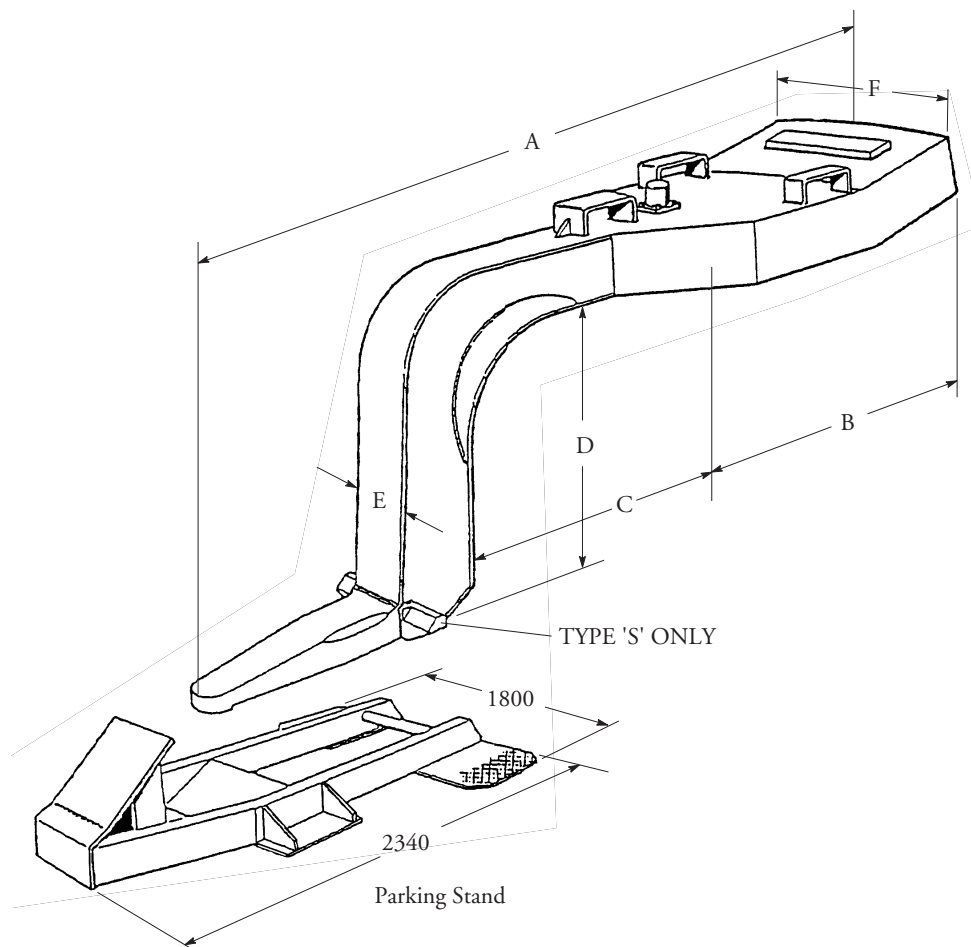
40' Rolltrailer



18: Rolltrailers, Specialty Products & Misc.

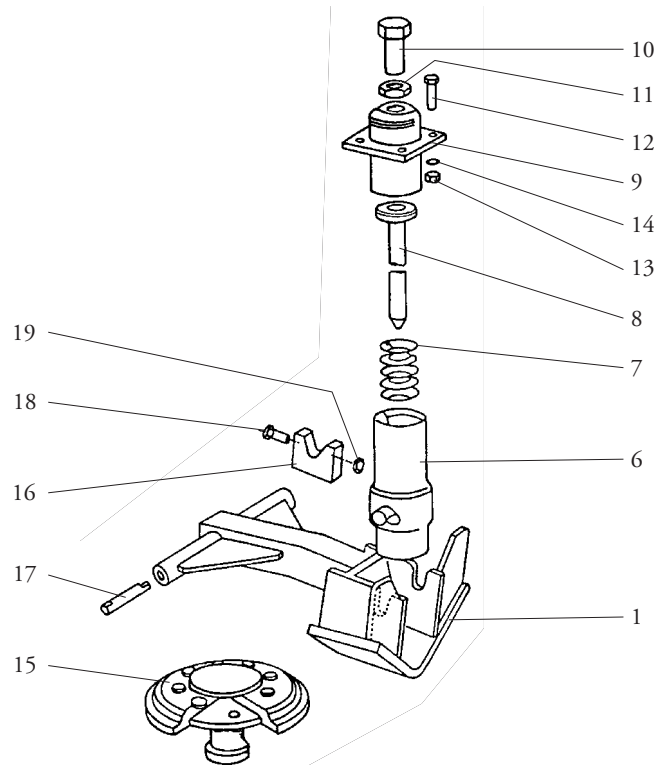
18.10.2: GOOSENECKS

Gooseneck



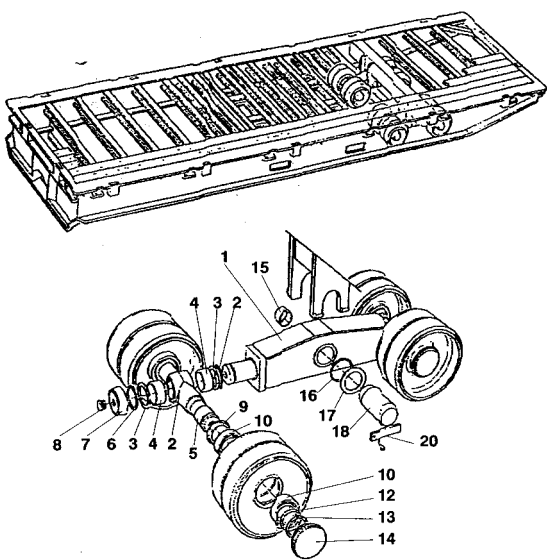
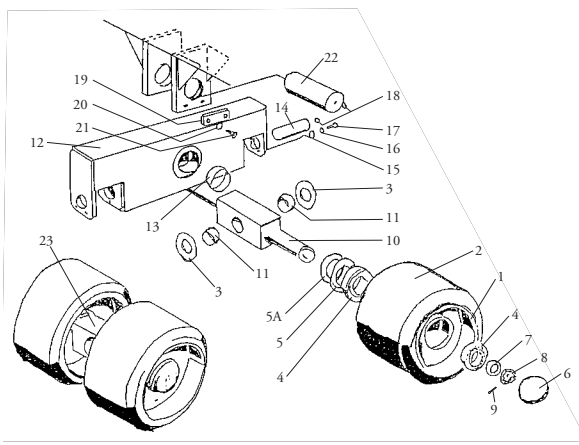
Type	Max. Fifth Wheel Load (Tons)	Max. Trailer Weight (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Dead Weight Approx. (kg)
20 F	20	50	4330	1280	1740	1200	340	900	2440
20 SF	20	50	4350	1300	1740	1200	340	900	2516
25 F	25	80	4430	1340	1740	1235	340	900	2840
25 SF	25	80	4450	1360	1740	1235	340	900	2920
30 SF	32	120	4460	1410	1740	1350	340	900	3170

Gooseneck Brake Complete

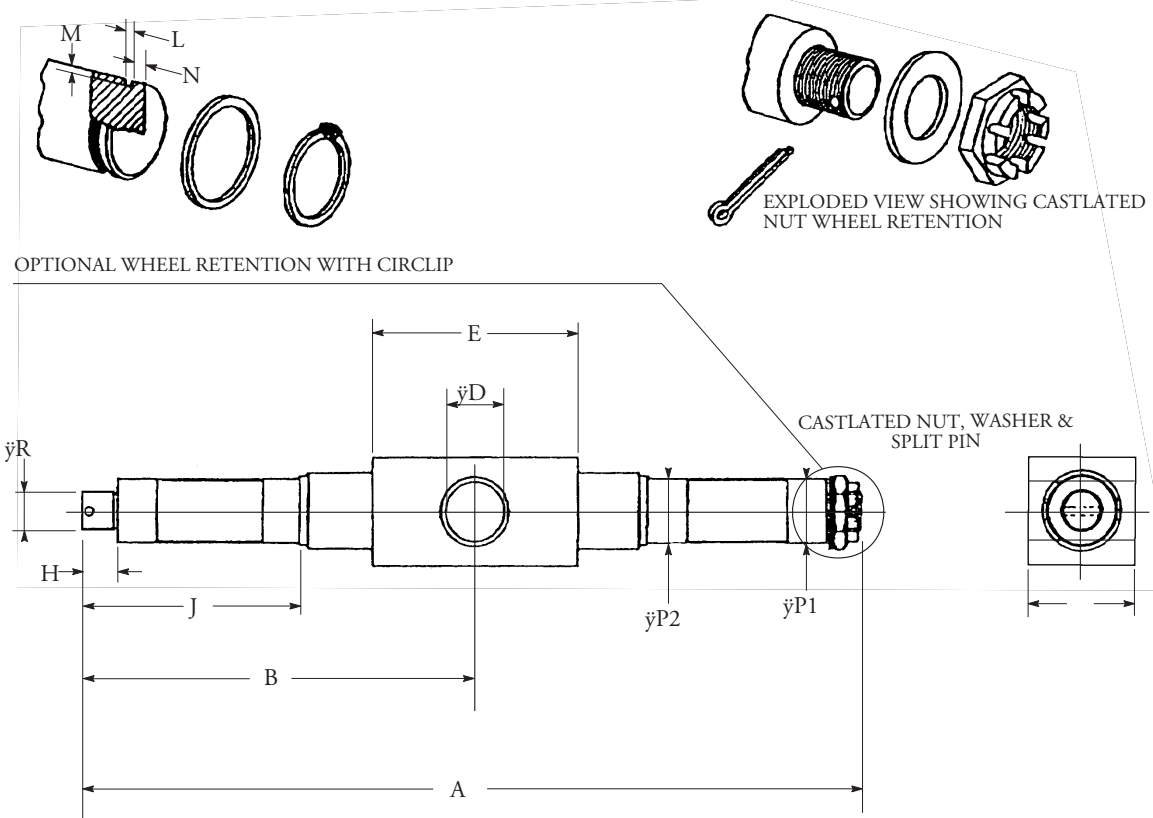


1. Swivelling Key	12. Spanner Bolt
6. Spring Socket	13. Hexagon Nut
7a. Belleville Spring Washer SH 25 Dimensions 60 x 30, 5 x 3.5	14. Spring Ring
7b. Belleville Spring Washer SH 16 Dimensions 60 x 30, 5 x 3.0	15. King-Pin Complete with Mounting Plate
8. Bolt Complete	16. Bearing
9. Covering Cap	17. Bolt
10. Spanner Bolt	18. Spanner Bolt
11. Hexagon Nut	19. Hexagon Nut

18.10.3: RUNNING GEAR/AXLE ASSEMBLIES

40'/40-Ton Rolltrailer Running Gear/Axle Assembly			40'/60-Ton Rolltrailer Running Gear/Axle Assembly		
					
1. Rocker	8. Plug	15. Bushing	1. Rim	8. Locking Nut	16. Washer
2. O-ring	9. Sealing Ring	16. O-ring	2. Rubber Tire	9. Locking Pin	17. Screw
3. Supporting Ring	10. Bearings	17. Adjusting Washer	3. Washer	10. Wheel Axle	18. Greasing Nipple
4. Bearing Ring	11. Wheel	18. Pin	4. Ball Bearing (Roller Bearing)	11. Axle Bushing	19. Locking Plate
5. Pendular Axle	12. Supporting Ring	19. Axle Guard	5. Sealing Ring	12. Rocker Arm	20. Washer
6. Locking Ring	13. Locking Ring	20. Clamping Sleeve	5a. Dust Seal	13. Rocker Arm Bushings	21. Screw
7. Metal Cap	14. Hub Cap		6. Hub Cap	14. Axle Bolt	22. Rocker Arm Bolt

Axle Assembly



18.21 Truck & Trailer Record Holders & Log Books

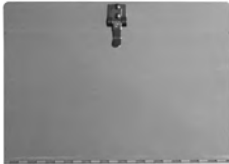


18.11.1: JAMES KING TRUCK & TRAILER RECORD HOLDERS



#300 Aluminum Holder  Outside size: 5.25" x 7" x 2" <table><tr><td>1. JKG300</td><td>Complete</td></tr><tr><td>2. JKG300-LID</td><td>Lid only</td></tr><tr><td>3. JKG300-BOLT-KIT</td><td></td></tr></table>	1. JKG300	Complete	2. JKG300-LID	Lid only	3. JKG300-BOLT-KIT		#350 Xenoy Holder  Outside size: 5.25" x 7" x 2" <table><tr><td>1. JKG350</td><td>Complete</td></tr><tr><td>2. JKG350-LID</td><td>Lid only</td></tr><tr><td>3. MTR300</td><td>Generic</td></tr></table>	1. JKG350	Complete	2. JKG350-LID	Lid only	3. MTR300	Generic	#500 Hi-impact Plastic Holder  Outside size: 11.5" x 16" x 1.5" <table><tr><td>1. JKG500</td><td>Complete</td></tr></table>	1. JKG500	Complete
1. JKG300	Complete															
2. JKG300-LID	Lid only															
3. JKG300-BOLT-KIT																
1. JKG350	Complete															
2. JKG350-LID	Lid only															
3. MTR300	Generic															
1. JKG500	Complete															
#500E Stand Up Envelope  Translucent-waterproof Hardboard stiffener 9.5" x 12.0" <table><tr><td>1. JKG500E</td><td>Complete</td></tr></table>	1. JKG500E	Complete	#550 Hi-impact Plastic Holder  Outside size: 10" x 15" x 1.25" <table><tr><td>1. JKG550</td><td>Complete</td></tr></table>	1. JKG550	Complete											
1. JKG500E	Complete															
1. JKG550	Complete															

18.2.2: MISCELLANEOUS TRUCK & TRAILER RECORD HOLDERS

Round ID Card Holder  <table><tr><td>1. BETPS1</td><td>Complete</td></tr><tr><td>2. BETPS71</td><td>Cover only</td></tr><tr><td>3. MTR1001</td><td>Complete</td></tr><tr><td>4. MTR1007P</td><td>Complete w/Pro-Par logo</td></tr><tr><td>5. 20TL97962</td><td>Cover only</td></tr><tr><td>6. 20TL97960</td><td>Complete</td></tr></table>	1. BETPS1	Complete	2. BETPS71	Cover only	3. MTR1001	Complete	4. MTR1007P	Complete w/Pro-Par logo	5. 20TL97962	Cover only	6. 20TL97960	Complete	Aluminum Manifest Box  8" x 13" x 1.5" <table><tr><td>1. MTR1002W</td><td>Wabash</td></tr><tr><td>2. PEN10-01W</td><td>Wabash</td></tr><tr><td>3. MTR1002P</td><td>Pro-Par</td></tr><tr><td>4. MTR1002</td><td>No logo</td></tr><tr><td>5. PEN10-01</td><td>No logo</td></tr></table>	1. MTR1002W	Wabash	2. PEN10-01W	Wabash	3. MTR1002P	Pro-Par	4. MTR1002	No logo	5. PEN10-01	No logo	Aluminum Tube Registration Holder  <table><tr><td>1. TIS158-CK</td><td>Complete</td></tr><tr><td>2. MTR1003</td><td>Complete</td></tr><tr><td>3. TIS158-E</td><td>Rubber end only</td></tr></table>	1. TIS158-CK	Complete	2. MTR1003	Complete	3. TIS158-E	Rubber end only
1. BETPS1	Complete																													
2. BETPS71	Cover only																													
3. MTR1001	Complete																													
4. MTR1007P	Complete w/Pro-Par logo																													
5. 20TL97962	Cover only																													
6. 20TL97960	Complete																													
1. MTR1002W	Wabash																													
2. PEN10-01W	Wabash																													
3. MTR1002P	Pro-Par																													
4. MTR1002	No logo																													
5. PEN10-01	No logo																													
1. TIS158-CK	Complete																													
2. MTR1003	Complete																													
3. TIS158-E	Rubber end only																													
Registration Holder  12-1/2" x 8-3/4" <table><tr><td>1. JJK1RSP-DD</td><td></td></tr></table>	1. JJK1RSP-DD		Certificate Holder  <table><tr><td>1. 20PMB45</td><td></td></tr></table>	1. 20PMB45																										
1. JJK1RSP-DD																														
1. 20PMB45																														

18: Rolltrailers, Specialty Products & Misc.

18.4 Tools & Shop Items

18.13.1: BITS & HOLDERS

18.13.1.1: TX STYLE BITS

Part Number	Hex Size	Figure
TOL440-TX-20	1/4"	
TOL440-TX-25	1/4"	
TOL440-TX-27	1/4"	
TOL440-TX-30	1/4"	
TOL440-TX-40	1/4"	
TOL440-TX-45	1/4"	
TOL480-TX-30	5/16"	
TOL480-TX-40	5/16"	
TOL480-TX-45	5/16"	
TOL480-TX-50	5/16"	

18.13.1.2: PHILLIPS BITS

Part Number	Hex Size	Point Size	Figure
TOL440-P2	1/4"	No. 2	
TOL480-P2	5/16"	No. 2	
TOL480-P3	5/16"	No. 3	

18.13.1.3: BIT HOLDERS

Part Number	Hex Size	Drive	Figure
TOL855	1/2"	5/16"	
TOL858	1/4"	1/4"	

18.13.2: DRILL BITS

Part Number	Hex Size	Type	Figure
TOL41-11763	7/32"	Heavy duty	
TOL41-11765	1/4"	Heavy duty	
TOL41-11766	17/64"	Heavy duty	

18.13.3: GLOVES

18.13.4: NYLON CABLE TIES

18.13.5: SAFETY GLASSES

18.51 RF Identification Devices

18.14.1: AMTECH TAGS

AT5100 TollTag - 915 MHz Tag, Full Frame	AT5102 Access Control Tag 915 MHz, Half Frame
AT5105 Access Control Tag - Multifrequency (915 MHz/2450 MHz), Half Frame	AT5106 Access Control Tag, Half Frame
AT5107 Access Control Tag - Multifrequency (915 MHz/2450 MHz), Half Frame	AT5110 Transportation Tag - 915 MHz, beam, Full Frame
AT5112 Access Control Transportation Tag - 915 MHz, Half Frame	AT5113 Transportation Tag - 915 MHz, beam, Full Frame
AT5114 Transportation Tag - 64 bits, 915 MHz 10 year battery, Half Frame	AT5125 Transportation Tag - 915 MHz, high temperature case beam
AT5140 License Plate Mount TollTag - 915 MHz, Full Frame	AT5145 License Plate Mount TollTag - 915 MHz, Full Frame
AT5146 License Plate Tag - 64 bits, 915 MHz, Half Frame	AT5147 License Plate Tag - 64 bits, 915 MHz, Half Frame
AT5510 Transportation Tag - multifrequency (915 MHz/2450 MHz), Full Frame	AT5544 TollTag - Multifrequency (915 MHz/2450 MHz) 10 year battery, Full Frame, window mount
AT5545 TollTag - Multifrequency (915 MHz/2450 MHz) 10 year battery, Full Frame, window mount	AT5547 TollTag - Multifrequency (915 MHz/2450 MHz) Full Frame
AT5704 Dynamic Tag - up to 256 frames - multifrequency (915 MHz/2450 MHz)	AT5720 Dynamic Check Tag
IT2221 Interior Type II Tag w/ Buzzer, LED and Battery options, 915 MHz	IT2235 Interior Type III Tag w/ LCD, 3 LEDs, button and buzzer, 915 MHz
AT5801 Tag: 5.8 GHz CEN, GSS, A1 Compliant	

18.52: AMTECH READERS

AI1200 Reader, industrial environment, 915 MHz	AI1202 Reader, 12VDC, harsh environment, 915 MHz
AI1301 Reader on a card	AI1611 SmartPass Reader - 2450 MHz
AI1620 SmartPass Reader - 915 MHz	AH1101 Handheld Reader, 915 MHz
IT2020 ISA Read/Write Reader Card - Multimode Option, 915 MHz	AI5810 Reader Card: 5.8 GHz CEN, GSS, A1 Compliant

18.53: AMTECH RF MODULES

AR2200 RF Module, 915 MHz	AR2602 RF Module, 2450 MHz, 1 ch., 300 MW
AR2603 RF Module, 2450 MHz, 1 ch., 50 MW	IT2611 - RF Read/Write Module - Multimode/Monostatic & Bistatic Options, 915 MHz
AR5800 Antenna/RF Module: 5.8 GHz CEN, GSS, A1 Compliant	

18.54: AMTECH ANTENNAS

AA3100 Yagi Antenna - 915 MHz	AA3110 Parapanel Antenna (SCALA) - 915 MHz
AA3140 PCB Log Periodic Antenna - 915 MHz	AA3152 Universal Toll Antenna - 915 MHz

18.55: AMTECH PROGRAMMER MODULES

AP4110 Programmer Module

18.14.1: AMTECH TOOLS

AS8003 Plug Removal Tool	AS8010 Plug Insertion Tool
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18.56: EGO

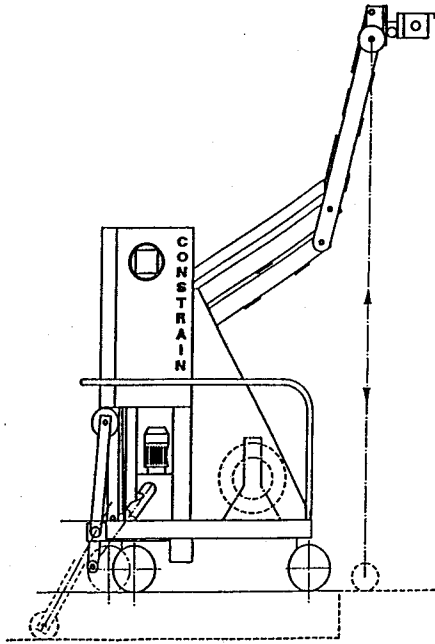
eGo Windshield Sticker Tag	eGo 2110 Reader
eGo 2101 Reader	eGo 2210 Reader
eGo 2201 Reader	

18.14.1: FLEET SOFTWARE

SmartWatch Access

18.6 Drehtainer/Container Straightening Machine

Constrain Machine



Container straightening made efficient, economical and simple. The Constrain Machine reduces labor costs by reducing the amount of labor required to fix a container.

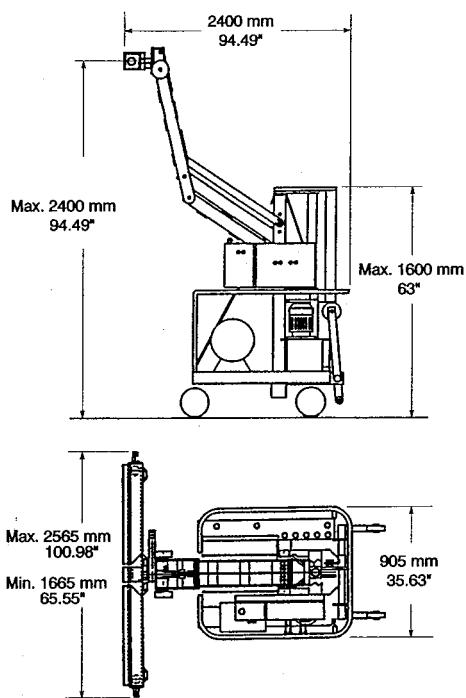
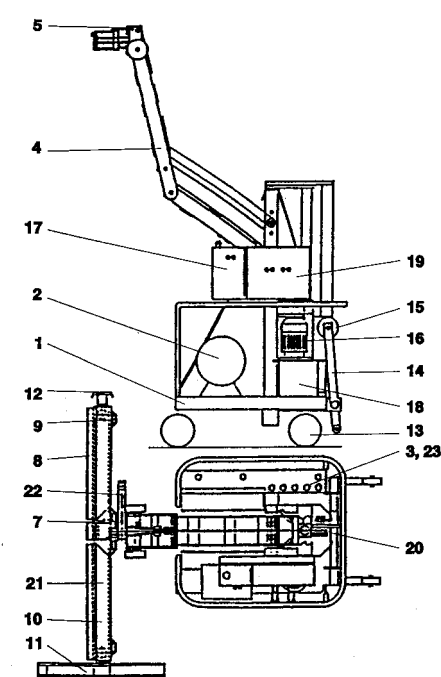
Components that can be straightened:

- All roof, side, front and door panels
- All top, bottom side, front end and rear end rails
- Corner posts
- J-bars
- Crossmembers

The Constrain Machine can push horizontally, perpendicularly, vertically, and diagonally.

There is minimal hammering necessary, improving the quality of repair. Damaged areas can now be easily made square and true. No additional damage to the container coating should occur. The noise level involved in repair is greatly reduced, and worker safety is greatly increased. The whole operation can be simplified to one man.

Electro hydraulic machine
Voltage: 220V/AC, 50 cycles (other voltages on request)
Motor: 1.1 kW
Hydraulic pressures: 320/115 bar
Maximum push force on hydraulic cylinders: 4 metric tons

Constrain Machine			
Dimensions and Weights		Parts	
			
Weight Machine without accessories: 480 kg Machine with accessories and packaging: 665 kg		1. Chassis 2. Cable Drum 3. Extension Rods 4. Beam Supports 5. Beam Support, "Head" 6. (Lamp) 7. Pressure Beam 8. Guide Rail	9. Hook 10. Pressure Arms 11. Support Profile 12. Straight Profile 13. Wheels 14. Swivel Arms 15. Casters 16. Electric Motor 17. Electric Control 18. Pump Unit 19. Hydraulic Control 20. Free-life Cylinder 21. Beam Cylinder 22. Turning Cylinder 23. Hand-held Cylinder

18.7 20-Ton Tie Down Assembly

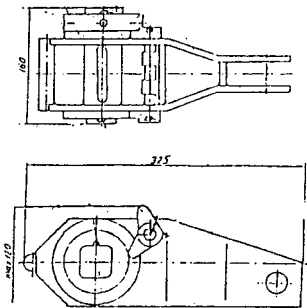


Ratchet

Webbing Assembly

Standard ratchet consists of:

1. Yoke-type body
2. 1 7/8" diameter slotted tensioning spindle with a 1 7/8" square on one end and a 1 1/2" square on the opposite end. (Option: A 3/4" square hole cut into the 1 7/8" square end for use with a ratchet or impact tool.)
3. Two symmetrical locking gears and spring-loaded cogs
4. Deck-fitting attachment, fitted into a one-inch shaft at small end of yoke
5. Handwheel is knurled alloy steel construction with four 1/2" mandral holes. (Optional 72S Aluminum or special wrench for 1 7/8" square end)
6. Alloy steel construction, with a 20-ton certified breaking strength.



Optional stainless steel construction.

Deck fittings can be specified by the individual end user.



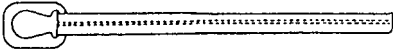
Sling Webbing:

- 3" wide 100% nylon, two-ply weave with stuffer construction
- 9800 lb/inch of width breaking strength
- Red core yarn warning system
- Elasticity - the stretch characteristics depend upon the type yarn and the web finish

Approximate stretch at rated sling capacity is:

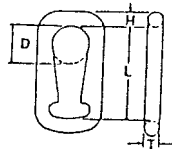
- Nylon - Treated - 10%
- Nylon - Untreated - 6%
- Polyester - Treated - 7%
- Polyester - Untreated - 3%

*Option: Tuff-Edge webbing - polymer coated yarns are woven into the edges of the Tuff-Edge. Independent lab tests prove it to be 67% more resistant to edge abrasion and 30% more resistant to edge cutting than standard sling webbing. Laboratory results may differ from individual application circumstances.



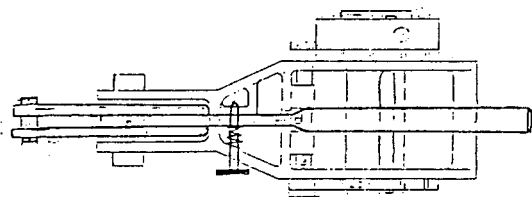
Unilink:

- Forged, high carbon steel with zinc dichromate plated finish to resist corrosion
- May be rewedded with recertification to reduce replacement costs
- Larger hook opening than triangle or choker fittings
- Smooth rounded profile



Web Width	Code	Dimension in Inches				Weight in lbs.	Capacity Rating (lbs.)
		L	D	H	Thick		
3"	SU3	5 1/4	3	1	5/8	3.2	10,800

Ratchet can also be supplied with a quick-release handle, consisting of an over-center lock in conjunction with an "L" type connecting link and a spring-loaded 3/8" locking pin to hold the center lock in the loaded position.



Unilink Attachments:

Pear Link:

- Chain Diameter (inches): 1/2
- Working Load Limit (lbs.): 12,000
- Weight/Pieces (7.5)



Short Link Chain: 1/2" grade 80 alloy steel chain, cut at 3 ft. lengths; attached to pear link



Note: Unilink can be custom outfitted to meet individual customer requirements (i.e., chain, chain fittings, hooks, shackles, etc.)

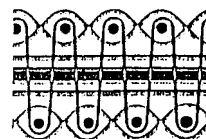
Alterations, adjustments and changes that can be made to meet individual customer needs without compromising the integrity of the design are as follows.

1. Choice of spring device:
 - Coil spring size, number of winds and materials
 - Plunger spring - stainless nose or Delrin
2. Handwheel can be made of 72S aluminum or stainless with knurled shape
3. Deck fitting - fitted into 1" shaft bolt - can be exchanged to suit deck requirements
4. 1" hole can accommodate shaft or bolt with 20-ton shear or better
5. Tiedown assembly can be assembled for left or right tightening
6. Tiedown assembly is field repairable
7. All 3/16" roll pins can be stainless steel, carbon steel or cadmium plated
8. Holes in handwheel can be made to fit any mandril and can be made with 4 or 6 positions.
9. Webbing:
 - Webbing types are interchangeable
 - Webbing end fittings can be made to customer needs and specifications

Sling Webbing

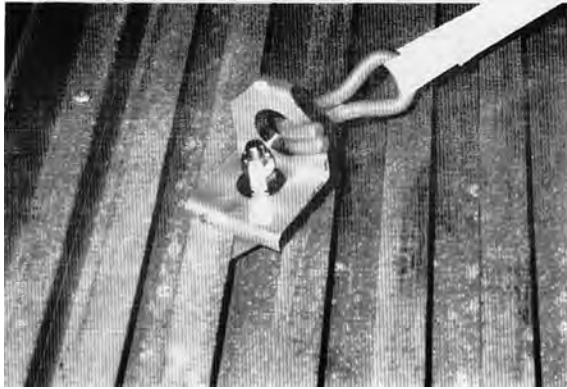
- Transverse pick yarns inter-relate with binder yarns
- Woven surface yarns cover each side and carry a portion of the load
- Strip of longitudinal core yarns bears majority of load
- Binder yarns secure the surface yarns to web core yarns
- Red core warning yarns

Sling webbing, as graphically demonstrated, has its surface yarns connected from side to side to not only protect the core yarns but to position all surface and tensile yarns to work together to support the load. Wear or damage to face yarns does have an immediate strength loss effect on the sling webbing. This is why sling webbing has red core yarns to visually reveal damage and act as a basis for sling rejection.



18.8 Reefer Lashing Points

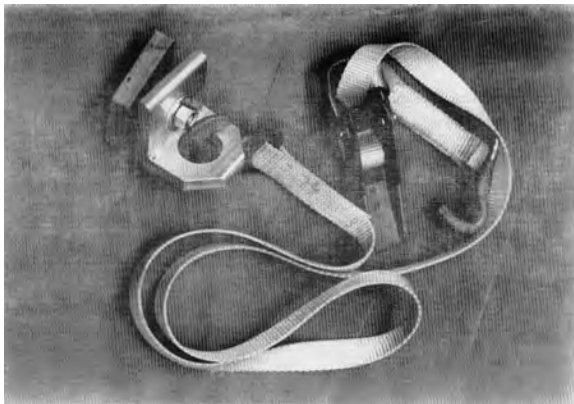
Reefer Lashing Point Application



Lashing Point

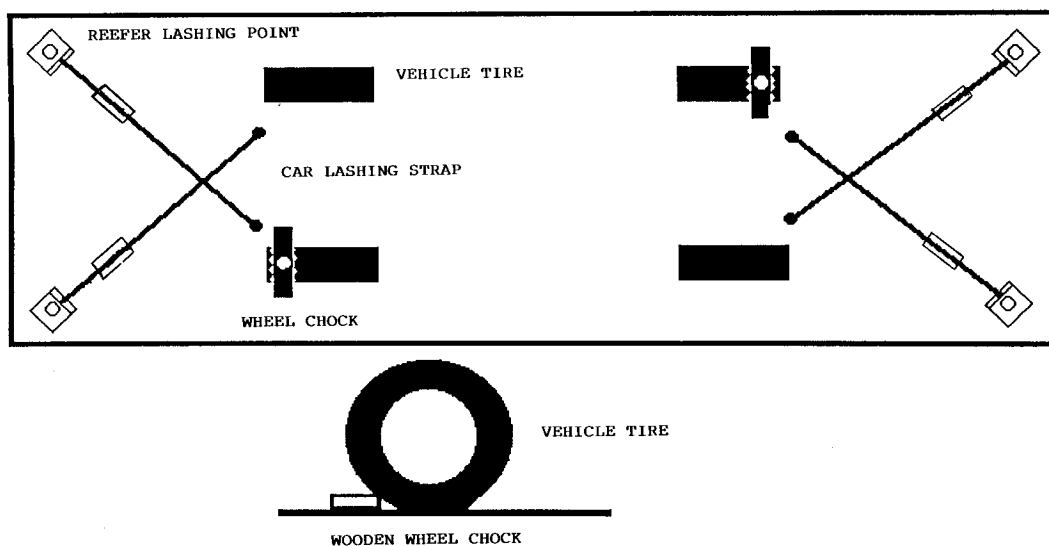


Wheel Chock



Car Lashing Straps





40-45 Foot Reefer

NUMERICS

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