2023
TRAILER Hardware Catalog

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904.696.0010
www.BuffersUSA.com

March 1, 2021

Dear Customer,

On behalf of our valued employees, I want to thank you for choosing Buffers USA, Inc.

Our mission at Buffers USA, Inc. is to provide you with the very best products and customer service. This has been the focus since our inception in Stockholm, Sweden in 1953. Through many years of growth — with expansion to the United States in 1989 and supplying the international market — Buffers USA, Inc. is committed to being your intermodal hardware supplier.

Today, Buffers USA stocks over 6,500 part numbers and carries over 2.5 million items at any given time in our four warehouses in California, Florida, Michigan and Texas. These locations help reduce the landed cost of our parts for as many of our continental U.S. customers as possible.

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Thank you for your business,

John Hove
President / Owner
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In order to make it easier for our customers to determine their delivery costs for each part, Buffers USA now offers prices including freight. Certain minimum orders for delivery and minimum purchase per year applies. Please discuss with your assigned Buffers Sales Representative.

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Any claims of shortage must be submitted in writing to Buffers USA, Inc. within 10 days of receiving the shipment.

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All prices are firm for existing inventory at the date of the most current pricelist. However, Buffers USA Inc. reserves the right to increase prices without prior notice when circumstances outside our control force us to take immediate action.

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# ALPHABETICAL INDEX (By Item Description)

## 1000 LANDING LEG HARDWARE
- **1001**: SAND SHOES (Low-Profile, High-Profile & Oversized), DOLLY WHEEL ASSEMBLY, CUSHION FOOT REPAIR KIT
- **1002**: SAND SHOE AXLES, LOCKING KITS & HARDWARE, AXLE HOUSINGS
- **1003**: CRANK HANDLES & HOLDERS/KEEPERS
- **1004**: SHAFTS (Jack & Shift types) & COMPONENTS
- **1005**: TURNING SHAFTS
- **1006**: BRACES (Adjustable, Cross, Fixed & K-Braces)
- **1007**: MOUNTING BRACKETS (U-type & Wing-type)
- **1008**: BRACE LUGS & KITS
- **1009**: LEG COVERS & GEARBOX COVERS

## 1100 TWISTLOCK ASSEMBLIES & HARDWARE
- **1101**: TWISTLOCK ASSEMBLIES & REPLACEMENT PARTS
- **1102**: DROP-IN TWISTLOCK ASSEMBLIES
- **1105**: TWISTLOCK INNERS, PIN ASSEMBLIES, PINS & PIN SLEEVES
- **1107**: HANDLES, HANDLE EXTENSIONS & KITS
- **1108**: SAFETY LATCHES, TABS & BRACKET
- **1109**: BUSHINGS, HOUSINGS, RISER BLOCKS, SHEAR BLOCKS, GUIDE BOSSES & WASHER (for Twistlocks & Pinlocks), PIN-REDUCING SLEEVE (for Pinlocks)
- **1110**: MISC. HARDWARE (Guide Plates, Springs, Detent Balls, Hole Plugs)
- **1111**: PIN NUT WRENCHES for Screwdown Twistlocks

## 1200 STRUCTURAL STEEL
- **1205**: FRONT CORNER POSTS
- **1206**: CORNER BRACKETS
- **1207**: STRUCTURAL STEEL SHAPES
- **1210**: CROSSMEMBER CLIPS & CROSSMEMBERS
- **1211**: FLAT PANELS
- **1212**: SIDE WALL POSTS, SIDE POSTS w/ LOGISTIC SLOTS, ROOF BOWS & ASSEMBLIES

## 1300 ALUMINUM EXTRUSIONS & STRUCTURAL COMPONENTS
- **1301**: TOP RAILS
- **1303**: CORNER CAPS
- **1304**: ROOF BOWS
- **1306**: FLAT SHEETS & SIDE PANELS
- **1310**: CROSSMEMBERS & T-CLIPS
- **1311**: T-FLOOR & COMPONENTS, BAFFLE PLATES, CONNECTING PLATES, BAFFLE PLATE HINGES & TENSION SPRING
- **1312**: FOLDABLE STEP
- **1313**: FLAT BARS & ANGLES
- **1314**: SIDE POST & Z-POST

## 1400 SWING DOOR HARDWARE
- **1401**: SWING DOOR LOCKING SYSTEMS & COMPONENTS
- **1402**: SWING DOOR HINGES, HARDWARE & HOLDBACKS
- **1404**: SWING DOOR GASKET ASSEMBLIES

## 1500 SLIDER PINS & SUSPENSION COMPONENTS
- **1501**: SLIDER PINS, SLIDER PIN PARTS & SUSPENSION PARTS

## 1600 BRAKE COMPONENTS
- **1602**: AIR TANK BRACKET

## 1900 COUPLINGS & DRAWBAR EYES
- **1901**: TOW RING DRAWBAR

## 2000 CHASSIS & TRAILER COMPONENTS
- **2001**: TIRE CARRIERS (Universal and Nash styles)
- **2002**: MUD FLAP BOLTING PLATES & BRACKETS
- **2003**: LIGHT BOXES & BRACKETS
- **2004**: LARGE LOAD BANNERS, FLUORESCENT FLAGS & CANADIAN D-BANNER, REFLECTIVE SAFETY GEAR

## 2300 MISC. HARDWARE & FASTENERS
- **2301**: FLOOR SCREWS & CROSSMEMBER FASTENERS

## 2900 CARGO CONTROL
- **2901**: SHORT LINK CHAIN ASSEMBLIES, CLEVIS GRAB HOOKS & LOAD BINDERS
- **2902**: D-RINGS (Standard, Bent, Marine) & CHAIN TIE-DOWN ANCHORS
- **2903**: WEB WINCHES, WINCH RAILS & WINCH BARS
- **2904**: WINCH STRAPS, CORNER & WEBBING PROTECTORS & TARP STRAPS
- **2905**: RATCHET STRAP ASSEMBLIES
- **2906**: LOGISTIC TRACK COMPONENTS
- **2907**: LOGISTIC STRAPS (Cam Buckle, Ratchet Type & Rope Tie-Off)
- **2908**: CARGO BARS, COIL RACKS, BRACING LUMBER BRACKETS, DECKING/SHORING BEAMS, SHORING BARS
- **2909**: T-FLOOR TIE-DOWN
- **2910**: DUNNAGE BAGS (Polypropylene & Kraft Paper)

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- **3201**: WHEEL STUD SECURITY SEALS
- **3202**: DOOR SECURITY SEALS
- **3203**: KING PIN LOCK

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- **4403**: DOCUMENT HOLDERS
- **4406**: REEFER DRAIN ASSEMBLIES & COMPONENTS

## 4500 RUBBER PRODUCTS
- **4502**: DOCK BUMPERS & WHEEL CHOCS

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**BUFFERS USA INC**

“The Intermodal Hardware Specialists”

[ToC: H – P]

E-mail: sales@buffersusa.com

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**SAND SHOES – LOW-PROFILE**

**CHASSIS & TRAILERS:**
- AUTO / DRY VAN / FLATBED / REEFER VAN

**Model 1001-1295**
- No Gusset
- 1/4" Patch
- 7 GA. Sides
- 7 GA. Base

SUB FOR: PENZ 05-310  
FINISH: PRIMER  
WEIGHT: 8.44 LBS / 3.83 Kg

**Model 1001-1537**
- HEAVY DUTY
- No Gusset
- 1/4" Patch
- 1/4" Sides
- 1/4" Base

SUB FOR: PENZ 05-311, K/W 73055, HOLLAND 50616034  
FINISH: PRIMER  
WEIGHT: 11.8 LBS / 5.35 Kg

**Model 1001-2026**
- HEAVY DUTY
- No Gusset
- 1/4" Patch
- 1/4" Sides
- 1/4" Base

SUB FOR: PENZ 05-336, K/W 730472, HOLLAND 50616035 & 50616009  
FINISH: PRIMER  
WEIGHT: 15.33 LBS / 6.95 Kg

**Model 1001-2432**
- No Gusset
- Flared Hole
- 4 GA. Sides
- 7 GA. Base

SUB FOR: PENZ 05-349, K/W 730163, HOLLAND 50616008  
FINISH: PRIMER  
WEIGHT: 8.53 LBS / 3.87 Kg

---

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4/3/19
SAND SHOES - LOW-PROFILE
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

**MODEL 1001-6476**

- **Finish:** Primer
- **Weight:** 11 lbs / 4.9 Kg
- **Special Order Only**
- **Dimensions:**
  - I.D. 7/16'' (12 MM)
  - I.D. 2'' (51 MM)
  - 1 3/4''

**SUB FOR:** PENZ 05-321

**FINISH:** Primer
**WEIGHT:** 11 LBS / 4.9 Kg

**MODEL 1001-6493**

- **Finish:** Primer
- **Weight:** 13 lbs / 5.9 Kg
- **Special Order Only**
- **Dimensions:**
  - I.D. 7/16'' (11.8 MM)
  - I.D. 2'' (50.8 MM)
  - 1 3/4''

**SUB FOR:** PENZ 05-308

**FINISH:** Primer
**WEIGHT:** 13 LBS / 5.9 Kg

**MODEL 1001-6494**

- **Finish:** Primer
- **Weight:** 10.4 lbs / 4.7 Kg
- **Special Order Only**
- **Dimensions:**
  - I.D. 7/16'' (11.7 MM)
  - 2 3/16'' (56 MM)

**SUB FOR:** PENZ 05-329

**FINISH:** Primer
**WEIGHT:** 10.4 LBS / 4.7 Kg

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4/3/19
SAND SHOES - HIGH-PROFILE
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

**MODEL 1001-1291**
- Single Gusset
- 7 GA. Sides
- 7 GA. Base

SUB FOR: PENZ 05-300, HOLLAND LG0055
FINISH: PRIMER
WEIGHT: 11.35 LBS / 5.15 Kg

**MODEL 1001-1292**
- Single Gusset
- 1/4" Patch
- 1/4" Sides
- 7 GA. Base

SUB FOR: PENZ 05-330, HOLLAND LG0051-01
FINISH: PRIMER
WEIGHT: 12.94 LBS / 5.87 Kg

**MODEL 1001-1737**
- DOLLY WHEEL FOOT
- 1/4" Sides
- 1/4" Base

WORKS WITH:
- 1002-1736 SOLID AXLE
- 1001-1791 DOLLY WHEEL

SUB FOR: PENZ 05-303, HOLLAND LG2066
FINISH: PRIMER
WEIGHT: 6.35 LBS / 2.88 Kg

**MODEL 1001-1851**
- HEAVY DUTY
- Double Gusset

SUB FOR: PENZ 05-317, HOLLAND 50616012
FINISH: PRIMER
WEIGHT: 17.5 LBS / 7.94 Kg

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6/22/23
SAND SHOES – HIGH-PROFILE
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

**MODEL 1001-1832**
HEAVY DUTY
Double Gusset
1/4" Patch
1/4" Sides
1/4" Base

SUB FOR: PENZ 05-342, HOLLAND 50616013
FINISH: PRIMER
WEIGHT: 19 LBS / 8.62 Kg

**MODEL 1001-2035**
HEAVY DUTY
Double Gusset
1/4" Patch
1/4" Sides
1/4" Base

SUB FOR: PENZ 05-318, HOLLAND 50616036
FINISH: PRIMER
WEIGHT: 15.4 LBS / 7 Kg

**MODEL 1001-2529**
HEAVY DUTY
Double Gusset
1/4" Patch
1/4" Sides
7 GA. Base

SUB FOR: PENZ 05-328
FINISH: PRIMER
WEIGHT: 15.4 LBS / 7 Kg

**MODEL 1001-2930**
Single Gusset
Flared Hole
1/4" Sides
7 GA. Base

SUB FOR: PENZ 05-319
FINISH: PRIMER
WEIGHT: 14.5 LBS / 6.58 Kg

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4/3/19
SAND SHOES – HIGH-PROFILE
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 1001-6103
HEAVY DUTY
Double Gusset
Flared Hole
1/4" Sides
1/4" Base

SUB FOR: PENZ 05-339, HOLLAND LG0065-03
FINISH: PRIMER WEIGHT: 18.8 LBS / 8.53 Kg

MODEL 1001-6231
Single Gusset
Flared Hole
3/16" Sides
3/16" Base

SUB FOR: PENZ 05-301, HOLLAND 50616000 & LG0050
FINISH: PRIMER WEIGHT: 12.85 LBS / 5.83 Kg

MODEL 1001-6492
Double Gusset
Flared Hole
3/16" Sides
3/16" Base

SUB FOR: PENZ 05-350 FINISH: PRIMER WEIGHT: 15.7 LBS / 7.12 Kg

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9/15/23
**SAND SHOES – HIGH-PROFILE**

**CHASSIS & TRAILERS:**

**AUTO / DRY VAN / FLATBED / REEFER VAN**

---

**MODEL 1001-7171**

**MED. HEIGHT PROFILE, LIGHTWEIGHT**

**No Gusset**

**No Patch**

**5/16" Sides**

**3/16" Base**

**SUB FOR:** HOLLAND XA-V-796-WS (WEIGHT SAVER)

**FINISH:** PRIMER

**WEIGHT:** 11.6 LBS / 5.26 Kg

---

**MODEL 1001-7171-KIT-S-F**

**SOLID AXLE**

One Split Roll Pin fitted, one taped to Axle

---

**MODEL 1001-7171-KIT-H-F**

**HOLLOW AXLE**

One Split Roll Pin fitted, one taped to Axle

---

**SUB FOR:** HOLLAND RK-V-315

**WEIGHT:** 18.3 LBS / 8.3 Kg

---

**MODEL 1001-7172**

**Single Gusset**

**No Patch**

**1/4" Sides**

**7/32" Base**

**SUB FOR:** HOLLAND LG0050

**FINISH:** PRIMER

**WEIGHT:** 13.55 LBS / 6.15 Kg

---

**MODEL 1001-7172-KIT-S-F**

**SOLID AXLE**

One Split Roll Pin fitted, one taped to Axle

---

**MODEL 1001-7172-KIT-H-F**

**HOLLOW AXLE**

One Split Roll Pin fitted, one taped to Axle

---

**SUB FOR:** HOLLAND RK-V-115

**WEIGHT:** 14.1 LBS / 6.4 Kg

---

**SUB FOR:** HOLLAND LG0050

**FINISH:** PRIMER

**WEIGHT:** 13.55 LBS / 6.15 Kg

---

**MODEL 1001-7172-KIT-S-F**

**SAND SHOES**

**10" I.D. 7/16" Ø12 MM**

**11-1/2" I.D. 7/16" Ø12 MM**

**10" I.D. 2" Ø51 MM**

---

**MODEL 1001-7172-KIT-H-F**

**SAND SHOES**

**10" I.D. 7/16" Ø12 MM**

**11-1/2" I.D. 7/16" Ø12 MM**

---

**1001-7171-KIT-S-F INCLUDES:** SAND SHOE 1001-7171, SOLID AXLE 1002-6821 & 2 SPLIT ROLL PINS 1002-1460-A

**SUB FOR:** HOLLAND RK-V-315

**WEIGHT:** 18.3 LBS / 8.3 Kg

---

**1001-7171-KIT-H-F INCLUDES:** SAND SHOE 1001-7171, HOLLOW AXLE 1002-6862 & 2 SPLIT ROLL PINS 1002-1460-A

**SUB FOR:** HOLLAND RK-V-115

**WEIGHT:** 14.1 LBS / 6.4 Kg

---

**1001-7172-KIT-S-F INCLUDES:** SAND SHOE 1001-7172, SOLID AXLE 1002-6821 & 2 SPLIT ROLL PINS 1002-1460-A

**WEIGHT:** 20.05 LBS / 9.09 Kg

---

**1001-7172-KIT-H-F INCLUDES:** SAND SHOE 1001-7172, HOLLOW AXLE 1002-6862 & 2 SPLIT ROLL PINS 1002-1460-A

**SUB FOR:** HOLLAND RK-V-105

**WEIGHT:** 15.85 LBS / 7.2 Kg

---

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**904-696-0010**

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---

[return to Table of Contents]
SAND SHOES – OVERSIZED
TRAILERS: AUTO / DRY VAN / FLATBED

**MODEL 1001-1754**
HIGH-PROFILE, HEAVY DUTY
Double Gusset
1/4" Patch
1/4" Sides
1/4" Base

SUB FOR: PENZ 05-348, HOLLAND 50616003
MATERIAL: FAB. STEEL  FINISH: PRIMER
WEIGHT: 37 LBS / 16.8 Kg

**MODEL 1001-1778**
HIGH-PROFILE, HEAVY DUTY
Single Gusset
3/8" Sides
1/4" Base

SUB FOR: HOLLAND 50616004
MATERIAL: FAB. STEEL  FINISH: PRIMER
WEIGHT: 31.55 LBS / 14.31 Kg

**MODEL 1001-1792**
LOW-PROFILE, HEAVY DUTY
Miller style
Double Gusset
1/4" Sides
1/4" Base

SUB FOR: PENZ 05-351  FITS: MILLER TRAILERS
MATERIAL: FAB. STEEL  FINISH: PRIMER
WEIGHT: 31.2 LBS / 14.2 Kg

**MODEL 1001-7460**
LOW-PROFILE, HEAVY DUTY
No Gusset
1/4" Patch
1/4" Sides
1/4" Base

SUB FOR: PENZ 05-353
MATERIAL: FAB. STEEL  FINISH: PRIMER
WEIGHT: 28.1 LBS / 12.75 Kg

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DOLLY WHEEL ASSEMBLY
CHASSIS

MODEL 1002-1736-KIT
SOLID AXLE
INCLUDES LOCKING KIT 1002-1460-KIT
SUB FOR: PENZ 06-430, HOLLAND LG0204-01
FINISH: PRIMER
WEIGHT: 13.24 LBS / 6 Kg

MODEL 1001-1791
DOLLY WHEEL
HEAVY DUTY w/ DISC
SUB FOR: PENZ 05-901, HOLLAND 50616028, XB-V-747-HD-1
FINISH: PRIMER
WEIGHT: 7.9 LBS / 3.58 Kg

MODEL 1001-1737
WHEEL FOOT
SUB FOR: PENZ 05-303, HOLLAND LG2066
FINISH: PRIMER
WEIGHT: 6.35 LBS / 2.88 Kg

MODEL 1002-1460-KIT
AXLE KIT. INCLUDES:
2 EA. PART # 1002-1460-A SPLIT ROLL PINS
2 EA. PART # 1002-1460-B WASHERS
SUB 1002-1460-A FOR: PENZ 06-400-C, HOLLAND XB-21-S-375-3000
SUB 1002-1460-B FOR: PENZ 06-400-B, HOLLAND LG2427
FINISH: SELF-COLOR
WEIGHT: 0.88 LBS / 0.4 Kg

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1001-8
CUSHION FOOT REPAIR KIT

MODEL 1001-9009
CUSHION FOOT REPAIR KIT
10' x 10", J-style

INCLUDES:
Top Ring (2 ea.)
Cushion Plate (1 ea.)
Base Plate (1 ea.)

MATERIAL: STEEL
FINISH: BLACK PRIMER
AND
Cushion (1 EA.)
MATERIAL: NATURAL RUBBER
COLOR: BLACK

Packaged in one box.

SECTION A-A

TOTAL WEIGHT: 9 LBS / 4.08 Kg
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
<th>Material</th>
<th>Finish</th>
<th>Weight</th>
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<tbody>
<tr>
<td>1002-1303-KIT</td>
<td>Heavy Duty w/ Welded Cap</td>
<td>8-1/2&quot; 216 MM</td>
<td>1-1/2&quot; SCH 80 TUBE</td>
<td>PRIMER</td>
<td>2.9 LBS / 1.32 Kg</td>
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<tr>
<td></td>
<td>Includes 1002-1303 Axle w/ 1002-1360-KIT</td>
<td>O.D. 1-7/8&quot; Ø48 MM</td>
<td>Locking Kit</td>
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<td></td>
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<tr>
<td></td>
<td>supplied fitted as shown</td>
<td>I.D. Ø7/16&quot; 11 MM</td>
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<tr>
<td>1002-1304-KIT</td>
<td>Solid</td>
<td>8-13/16&quot; 224 MM</td>
<td>1-1/2&quot; SCH 40 TUBE</td>
<td>PRIMER</td>
<td>6.88 LBS / 3.12 Kg</td>
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<td>Locking Kit</td>
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</tr>
<tr>
<td></td>
<td>supplied loose as shown</td>
<td>I.D. Ø3/8&quot; I.D. 3/8&quot;</td>
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<tr>
<td>1002-1305-KIT</td>
<td>Standard Duty w/ Flared End</td>
<td>8-7/8&quot; 225 MM</td>
<td>1-1/2&quot; SCH 40 TUBE</td>
<td>PRIMER</td>
<td>2.03 LBS / 0.92 Kg</td>
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<tr>
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<td>Includes 1002-1305 Axle w/ 1002-1360-KIT</td>
<td>O.D. 1-7/8&quot; Ø48 MM</td>
<td>Locking Kit</td>
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<tr>
<td></td>
<td>supplied fitted as shown</td>
<td>I.D. Ø7/16&quot; 11 MM</td>
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<td></td>
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<tr>
<td>1002-1307-KIT</td>
<td>Standard Duty w/ Welded Cap</td>
<td>8-1/2&quot; 216 MM</td>
<td>1-1/2&quot; SCH 40 TUBE</td>
<td>PRIMER</td>
<td>2.12 LBS / 0.96 Kg</td>
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<td>Includes 1002-1307 Axle w/ 1002-1460-KIT</td>
<td>O.D. 1-7/8&quot; Ø48 MM</td>
<td>Locking Kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>supplied loose as shown</td>
<td>I.D. Ø7/16&quot; 11 MM</td>
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<td></td>
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<tr>
<td>1002-1736-KIT</td>
<td>Special Order w/ Welded Cap</td>
<td>15-7/8&quot; 403 MM</td>
<td>1-7/8&quot; SOLID STEEL</td>
<td>PRIMER</td>
<td>6.88 LBS / 3.12 Kg</td>
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<tr>
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<td>Includes 1002-1736 Axle w/ 1002-1460-KIT</td>
<td>O.D. 1-7/8&quot; Ø48 MM</td>
<td>Locking Kit</td>
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<tr>
<td></td>
<td>supplied loose as shown</td>
<td>I.D. Ø3/8&quot; I.D. 3/8&quot;</td>
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<td></td>
<td></td>
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<tr>
<td>1002-2440-KIT</td>
<td>Heavy Duty w/ Flared End</td>
<td>8-7/8&quot; 225 MM</td>
<td>1-1/2&quot; SCH 80 TUBE</td>
<td>PRIMER</td>
<td>2.7 LBS / 1.22 Kg</td>
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<td>Includes 1002-2440 Axle w/ 1002-1360-KIT</td>
<td>O.D. 1-7/8&quot; Ø48 MM</td>
<td>Locking Kit</td>
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</tr>
<tr>
<td></td>
<td>supplied loose as shown</td>
<td>I.D. Ø7/16&quot; 11 MM</td>
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<tr>
<td>1002-2775-KIT</td>
<td>SOLID w/ Welded Cap</td>
<td>8-3/8&quot; 213 MM</td>
<td>1-7/8&quot; SOLID STEEL</td>
<td>PRIMER</td>
<td>3.6 LBS / 1.63 Kg</td>
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<tr>
<td></td>
<td>Includes 1002-2775 Axle w/ 1002-1460-A</td>
<td>O.D. 1-7/8&quot; Ø48 MM</td>
<td>Roll Pin &amp; 1002-1460-B</td>
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<tr>
<td></td>
<td>Roll Pin &amp; 1002-1460-B Washer</td>
<td>I.D. Ø3/8&quot; 11 MM</td>
<td>Washer</td>
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<tr>
<td>1002-2896-KIT</td>
<td>Special Order w/ Welded Cap</td>
<td>15-3/8&quot; 391 MM</td>
<td>1-7/8&quot; SOLID STEEL</td>
<td>PRIMER</td>
<td>3.6 LBS / 1.63 Kg</td>
</tr>
<tr>
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<td>Includes 1002-2896 Axle w/ 1002-1360-KIT</td>
<td>O.D. 1-7/8&quot; Ø48 MM</td>
<td>Locking Kit</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>supplied loose as shown</td>
<td>I.D. Ø7/16&quot; 11 MM</td>
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</tr>
</tbody>
</table>

**Additional Notes:**
- **Hollander LG0204-01, Penz 06-411**
  - Material: 1-1/2" SCH 40 TUBE
  - Finish: PRIMER
  - Weight: 2.03 LBS / 0.92 Kg
- **Penz 06-420**
  - Material: 1-1/2" SCH 40 TUBE
  - Finish: PRIMER
  - Weight: 3.6 LBS / 1.63 Kg
- **Penz 06-441**
  - Material: 1-7/8" SOLID STEEL
  - Finish: PRIMER
  - Weight: 6.88 LBS / 3.12 Kg
- **Hollander LG0204-04, Penz 06-431**
  - Material: 1-7/8" SOLID STEEL
  - Finish: PRIMER
  - Weight: 6.88 LBS / 3.12 Kg
- **Penz 06-404**
  - Material: 1-1/2" SCH 40 TUBE
  - Finish: PRIMER
  - Weight: 2.03 LBS / 0.92 Kg
- **Hollander 50616040, Penz 06-411**
  - Material: 1-1/2" SCH 80 TUBE
  - Finish: PRIMER
  - Weight: 2.7 LBS / 1.22 Kg
- **Hollander 50616042, Penz 06-410**
  - Material: 1-1/2" SCH 40 TUBE
  - Finish: PRIMER
  - Weight: 2.12 LBS / 0.96 Kg
- **Hollander 50616043, Penz 06-405**
  - Material: 1-1/2" SCH 40 TUBE
  - Finish: PRIMER
  - Weight: 2.03 LBS / 0.92 Kg
- **Penz 06-404**
  - Material: 1-1/2" SCH 40 TUBE
  - Finish: PRIMER
  - Weight: 2.7 LBS / 1.22 Kg
- **Penz 06-420**
  - Material: 1-1/2" SCH 40 TUBE
  - Finish: PRIMER
  - Weight: 3.6 LBS / 1.63 Kg
- **Penz 06-441**
  - Material: 1-7/8" SOLID STEEL
  - Finish: PRIMER
  - Weight: 6.95 LBS / 3.15 Kg
**SAND SHOE AXLES & LOCKING KITS**

**CHASSIS & TRAILERS:**
- AUTO
- DRY VAN
- FLATBED
- REEFER VAN

---

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---

**SPECIAL ORDER**

**MODEL 1002-6479-KIT**

- **HEAVY DUTY** w/ Welded Cap
- Includes 1002-6479 Axle w/ 1002-1360-KIT Locking Kit supplied fitted as shown
- **1.9” O.D. x 1.5” I.D. (48 x 38 MM)**

**NOTE:** Too short to fit spacer washers

**MODEL 1002-1360-KIT**

- **SPLIT ROLL PIN**
- **SPACER WASHER**
- **1.9” O.D. x 1.5” I.D. (48 x 38 MM)**

---

**SPECIAL ORDER**

**MODEL 1002-6498-KIT**

- **EXTRA HEAVY DUTY** w/ Welded Cap
- Includes 1002-6498 Axle w/ 1002-1460-KIT Locking Kit supplied loose as shown
- **1.9” O.D. x 1.34” I.D. (48 x 34 MM)**

---

**MODEL 1002-6481-KIT**

- **SOLID**
- Includes 1002-6481 Axle w/ 1002-1460-KIT Locking Kit supplied loose as shown
- **3/8” I.D. Ø9.5 MM**

---

**MODEL 1002-6862-KIT**

- Includes 1002-6862 Axle w/ 2 ea. 1002-1460-A Split Roll Pin supplied loose as shown
- **3/16” / Ø5 MM**

---

**MODEL 1002-6821-KIT**

- **SOLID**
- Includes 1002-6821 Axle w/ 2 ea. 1002-1460-A Split Roll Pin supplied loose as shown
- **1.9” O.D. x 1.5” I.D. (48 x 38 MM)**

---

**MODEL 1002-1460-KIT**

- **LOCKING KIT** includes 1 ea. Clip, 1 ea. Hex Bolt, 1 ea. Lock Nut
- Includes 1002-1460-KIT Locking Kit includes 2 ea. Spacer Washer, 2 ea. Split Roll Pin
- **SUB FOR:** PENZ 06-400-B, PENZ 06-400-C
- **WEIGHT:** 0.22 LBS / 0.1 Kg

---

**MODEL 1002-1460-A**

- **SPLIT ROLL PIN**
- **SPACER WASHER**
- **1.9” O.D. x 1.5” I.D. (48 x 39 MM) x 9/64” thick**

---

**SUB FOR:** PENZ 06-400-B, PENZ 06-400-C
- **WEIGHT:** 0.44 LBS / 0.19 Kg

---

**SUB FOR:** PENZ 06-421
- **WEIGHT:** 4.6 LBS / 2.09 Kg

---

**SUB FOR:** PENZ 06-425
- **MATERIAL:** 1-1/2” SCH 160 TUBE
- **FINISH:** PRIMER
- **WEIGHT:** 3.8 LBS / 1.72 Kg

---

**SUB FOR:** PENZ 06-422-A, PENZ 06-422-B
- **WEIGHT:** 0.11 LBS / 0.5 Kg

---

**SUB FOR:** PENZ 06-400-A, PENZ 06-400-C
- **WEIGHT:** 0.44 LBS / 0.19 Kg

---

**SUB FOR:** PENZ 06-400-B, PENZ 06-400-C
- **WEIGHT:** 0.22 LBS / 0.1 Kg

---

**SUB FOR:** PENZ 06-422-A, PENZ 06-422-B
- **WEIGHT:** 0.11 LBS / 0.5 Kg
**Axle Housings**

**Chassis & Trailers:**
- Auto / Dry Van / Flatbed / Reefer Van

---

**Model 1002-1294**

- **Sub For:** HOLLAND 50616027, PENZ 06-345
- **Material:** Fab. Steel
- **Finish:** Primer
- **Weight:** 3.09 LBS / 1.4 Kg

---

**Model 1002-7828**

- **Material:** Fab. Steel
- **Finish:** Primer
- **Weight:** 3.47 LBS / 1.57 Kg

---

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1/3/19
**MODEL 1003-1695**
- **A**, **TRADE SIZE**: 7" / 178 MM
- **B**: 5-7/8" / 149 MM
- **SUB FOR HOLLAND**: 03-207-H
- **WEIGHT**: 2.75 LBS / 1.25 Kg

**MODEL 1003-1296**
- **A**, **TRADE SIZE**: 11" / 279 MM
- **B**: 9-5/8" / 244 MM
- **SUB FOR HOLLAND**: 03-211-H
- **WEIGHT**: 3.28 LBS / 1.49 Kg

**MODEL 1003-6497**
- **A**, **TRADE SIZE**: 12-1/4" / 310 MM
- **B**: 11" / 279 MM
- **SUB FOR HOLLAND**: 03-212-H
- **WEIGHT**: 3.2 LBS / 1.45 Kg

**MODEL 1003-1297**
- **A**, **TRADE SIZE**: 15" / 381 MM
- **B**: 14-1/2" / 368 MM
- **SUB FOR HOLLAND**: 03-215-H
- **WEIGHT**: 3.57 LBS / 1.62 Kg

**MODEL 1003-1298**
- **A**, **TRADE SIZE**: 21" / 533 MM
- **B**: 19-5/8" / 498 MM
- **SUB FOR HOLLAND**: 03-221-H
- **WEIGHT**: 3.82 LBS / 1.73 Kg

---

**MATERIAL**: 1-1/4" O.D. x 14 GA. TUBING

**FINISH**: PRIMER

**CLEARANCE FOR Ø1" TURNING SHAFTS**

**A**, **TRADE SIZE**: 1-1/4" O.D. x 14 GA. TUBING

**WEIGHT**: 2.75 LBS / 1.25 Kg

---

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8/28/20
### CRANK HANDLES
#### VERTICAL FOLDING TYPE
#### CHASSIS & TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

<table>
<thead>
<tr>
<th>A, TRADE SIZE</th>
<th>B</th>
<th>SUB FOR HOLLAND</th>
<th>SUB FOR PENZ</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>7” / 178 MM</td>
<td>9-7/8” / 251 MM</td>
<td>—</td>
<td>03-207-V</td>
<td>2.75 LBS / 1.25 Kg</td>
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<tr>
<td>9” / 229 MM</td>
<td>12-3/8” / 314 MM</td>
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<td>03-209-V</td>
<td>2.9 LBS / 1.32 Kg</td>
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<tr>
<td>11” / 279 MM</td>
<td>15-1/4” / 387 MM</td>
<td>50644050</td>
<td>03-211-V</td>
<td>3.3 LBS / 1.49 Kg</td>
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<tr>
<td>15” / 381 MM</td>
<td>17-3/4” / 451 MM</td>
<td>50644051</td>
<td>03-215-V</td>
<td>3.39 LBS / 1.54 Kg</td>
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<td>21” / 533 MM</td>
<td>19-3/4” / 502 MM</td>
<td>50644052</td>
<td>03-221-V</td>
<td>4.01 LBS / 1.82 Kg</td>
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**MATERIAL:** 1-1/4” O.D. x 14 GA. TUBING  
**FINISH:** PRIMER

---

**CLEARANCE FOR Ø1” TURNING SHAFTS**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>SUB FOR HOLLAND</th>
<th>SUB FOR JOST</th>
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<tbody>
<tr>
<td>9-7/8” / 251 MM</td>
<td>8-1/2” / 216 MM</td>
<td>XA-V-90-0</td>
<td>C10592.2</td>
<td>3.6 LBS / 1.63 Kg</td>
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<td>12-3/8” / 314 MM</td>
<td>11” / 279 MM</td>
<td>XA-V-90-2</td>
<td>C10592.3</td>
<td>3.8 LBS / 1.72 Kg</td>
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<tr>
<td>15-1/4” / 387 MM</td>
<td>13-7/8” / 352 MM</td>
<td>XA-V-90-5</td>
<td>C10592.5</td>
<td>4.04 LBS / 1.83 Kg</td>
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<td>17-3/4” / 451 MM</td>
<td>16-3/8” / 416 MM</td>
<td>XA-V-90-10</td>
<td>C10592.4</td>
<td>3.82 LBS / 1.73 Kg</td>
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<tr>
<td>19-3/4” / 502 MM</td>
<td>18-3/8” / 467 MM</td>
<td>XA-V-90-11</td>
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<td>4.4 LBS / 2 Kg</td>
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</table>

**MATERIAL:** 1-1/4” O.D. x 14 GA. TUBING  
**FINISH:** PRIMER

---

**CRANK HANDLES VERTICAL FOLDING TYPE**

**MATERIAL:** 1-1/4” O.D. x 14 GA. TUBING  
**FINISH:** PRIMER

---

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---

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---

8/28/20
CRANK HANDLE KEEPERS
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 1003-1406

SUB FOR: PENZ 03-400, 03-401;
HOLLAND 50618000, RK-V-06388, XB-LG0085
MATERIAL: SPRING STEEL
FINISH: PRIMER
WEIGHT: 0.21 LBS / 0.1 Kg

MODEL 1003-1789

SUB FOR: PENZ 03-403, HOLLAND 750812
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 0.31 LBS / 0.14 Kg

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1/3/19
**FITS:** HOLLAND FORMULA 150 SERIES
**SUB FOR:** HOLLAND XA-06226-A, PENZ 03-514
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 3.3 LBS / 1.5 Kg

**FITS:** HOLLAND SERIES 50000, 51000, 47000
**SUB FOR:** BINKLEY LG0261-01, PENZ 03-509
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 4.3 LBS / 1.9 Kg

**FITS:** HOLLAND 50000 (Std.) & 51000 (Std.) LEGS
**SUB FOR:** HOLLAND LG0371-01
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 2.1 LBS / 0.95 Kg

**FITS:** AUSTIN LIFT PAK (round & square), CONSTANT MESH (square)
**SUB FOR:** AUSTIN 6943-2, KYSOR-WESTRAN 750003, PENZ 03-501
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 4.3 LBS / 1.9 Kg

**FITS:** AUSTIN LIFT PAK (round & square), CONSTANT MESH
**SUB FOR:** AUSTIN 6943-5, PENZ 03-502
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 2.27 LBS / 1.03 Kg

**FITS:** HOLLAND 50000 (Std.) & 51000 (Std.) LEGS
**SUB FOR:** HOLLAND LG0371-01
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 2.1 LBS / 0.95 Kg

**FITS:** AUSTIN LIFT PAK (round & square), CONSTANT MESH (square)
**SUB FOR:** AUSTIN 6943-2, KYSOR-WESTRAN 750003, PENZ 03-501
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 4.3 LBS / 1.9 Kg

**FITS:** AUSTIN LIFT PAK (round & square), CONSTANT MESH
**SUB FOR:** AUSTIN 6943-5, PENZ 03-502
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 2.27 LBS / 1.03 Kg

**FITS:** AUSTIN LIFT PAK (round & square), CONSTANT MESH
**SUB FOR:** AUSTIN 6943-2, KYSOR-WESTRAN 750003, PENZ 03-501
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 4.3 LBS / 1.9 Kg

**FITS:** AUSTIN LIFT PAK (round & square), CONSTANT MESH (square)
**SUB FOR:** AUSTIN 6943-5, PENZ 03-502
**MATERIAL:** CARBON STEEL  
**FINISH:** SELF-COLOR  
**WEIGHT:** 2.27 LBS / 1.03 Kg
### Model 1004-2427
**Jack Shaft**
- Non-Geared Leg (LH), Universal Mount

<table>
<thead>
<tr>
<th>I.D. Ø13/32&quot;</th>
<th>I.D. Ø1/4&quot;</th>
<th>I.D. Ø3/8&quot;</th>
<th>O.D. Ø1&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/2&quot;</td>
<td>3-3/4&quot;</td>
<td>10&quot;</td>
</tr>
<tr>
<td></td>
<td>6-3/4&quot;</td>
<td>9-1/2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**Fits:**
- Austin Lift Pak (round & square), Constant Mesh (round & square)

**Sub For:**
- Austin 6956-1, Kysor-Westran 750004, Penz 03-511

**Material:** Carbon Steel  
**Finish:** Self-Color  
**Weight:** 2.1 LBS / 0.9 Kg

---

### Model 1004-2631
**Shift Shaft**
- Universal & Inside Mount

<table>
<thead>
<tr>
<th>I.D. Ø3/8&quot;</th>
<th>I.D. Ø5/16&quot;</th>
<th>I.D. Ø3/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-13/16&quot;</td>
<td>18-5/8&quot;</td>
<td>19-1/2&quot;</td>
</tr>
</tbody>
</table>

**Fits:**
- Austin Constant Mesh (round), Holland CMS2 (round and square) & CMS3

**Sub For:**
- Kysor-Westran 751175, Penz 03-512

**Material:** Carbon Steel  
**Finish:** Self-Color  
**Weight:** 4.4 LBS / 2 Kg

---

### Model 1004-6525
**Shift Shaft**
- Outside Mount

<table>
<thead>
<tr>
<th>I.D. Ø5/16&quot;</th>
<th>I.D. Ø3/8&quot;</th>
<th>O.D. Ø7/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9/16&quot;</td>
<td>2-3/8&quot;</td>
<td>10-1/2&quot;</td>
</tr>
</tbody>
</table>

**Fits:**
- Holland Formula 150 Series

**Sub For:**
- Holland XA-06225-C-402, Penz 03-517

**Material:** Carbon Steel  
**Finish:** Self-Color  
**Weight:** 2.1 LBS / 0.9 Kg

---

### Model 1004-7213
**Shift Shaft**
- Universal Mount

<table>
<thead>
<tr>
<th>I.D. Ø3/8&quot;</th>
<th>I.D. Ø3/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4&quot;</td>
<td>1-1/4&quot;</td>
</tr>
</tbody>
</table>

**Fits:**
- Holland Mark V & Mark V Heavy-Duty (after 5/1994) Legs

**Sub For:**
- Holland XA-V-06625-A

**Material:** Steel  
**Finish:** Machined & Lightly Oiled  
**Weight:** 4.02 LBS / 1.82 Kg

---

### Model 1004-7214
**Jack Shaft**
- Geared Leg (RH), Universal Mount

<table>
<thead>
<tr>
<th>3/8&quot; x 4 Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
</tr>
<tr>
<td>3-11/16&quot;</td>
</tr>
<tr>
<td>5-9/16&quot;</td>
</tr>
<tr>
<td>3-11/16&quot;</td>
</tr>
</tbody>
</table>

**Fits:**
- Holland Mark V & Mark V Heavy-Duty (after 5/1994) Legs

**Sub For:**
- Holland XA-V-06624-A

**Material:** Steel  
**Finish:** Machined & Lightly Oiled  
**Weight:** 2.97 LBS / 1.35 Kg

---

### Model 1004-8903
**Jack Shaft**
- Non-Geared Leg (LH), Universal Mount

<table>
<thead>
<tr>
<th>O.D. Ø1&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
</tr>
<tr>
<td>1/4&quot;</td>
</tr>
<tr>
<td>1/2&quot;</td>
</tr>
<tr>
<td>9-5/8&quot;</td>
</tr>
<tr>
<td>13-7/16&quot;</td>
</tr>
</tbody>
</table>

**Fits:**
- Holland 50000 (Std./No Lube) Legs

**Sub For:**
- Holland LG02512

**Material:** Steel  
**Finish:** Self-Color  
**Weight:** 3.1 LBS / 1.4 Kg

---

904-696-0010  
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11/12/21
**FLANGE KH2044**

**SUB FOR:** HOLLAND LG2147

**MATERIAL:** STEEL

**FINISH:** SELF-COLOR

**WEIGHT:** 3.3 LBS / 1.5 Kg

**MODEL 1004-8920**

**JACK SHAFT**

Geared Leg (RH), Universal Mount

- I.D. Ø3/8"
- 1/4"
- 6-15/16"
- 5-1/8"
- I.D. Ø1/4"
- 1/2"
- 3-11/16"
- 15-7/8"
- 15-7/8"
- O.D. Ø1"

**FITS:** HOLLAND FG4000 (Std./No Lube) FAST GEAR LEGS

**SUB FOR:** HOLLAND LG2147 MATERIAL: STEEL

**FINISH:** SELF-COLOR **WEIGHT:** 3.3 LBS / 1.5 Kg

**MODEL 1004-1753-KIT**

This **SHIFT SHAFT ASSEMBLY** contains all parts shown in exploded view below:

- I.D. Ø3/8"
- 2-3/4"
- Ø1"
- 2-3/4"

**SUB FOR:** JOST B10285 SER

**FITS:** JOST A-400, A-401, A-440 & A-441 LEGS

**WEIGHT:** 3.23 LBS / 1.46 Kg

**MODEL 1004-1753-KIT PARTS BREAKDOWN**

- **MODEL 1004-1753-21**
  - **GREASE SEAL**
  - **WEIGHT:** 1.3 LBS / 0.6 Kg

- **MODEL 1004-1753-8**
  - **STEEL BALL**
  - (2 pcs. needed)

- **MODEL 1004-1753-9**
  - **SPRING**

- **MODEL 1004-1753-1**
  - **HOUSING**
  - **WEIGHT:** 1.3 LBS / 0.6 Kg

- **MODEL 1004-1753-2**
  - **SHAFT**
  - **WEIGHT:** 2.1 LBS / 0.9 Kg

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**904-696-0010**

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[7/21/22]
SUB FOR: HOLLAND XB-21-S-187-1000
FITS: HOLLAND 135 & 150 LEGS
MATERIAL: CARBON STEEL
WEIGHT: 0.006 LBS / 0.003 Kg

SUB FOR: HOLLAND XB-0308-PM
FITS: HOLLAND 135 & 150 LEGS
MATERIAL: STEEL
FINISH: SELF-COLOR
WEIGHT: 0.16 LBS / 0.07 Kg

SUB FOR: HOLLAND XA-01792
FITS: HOLLAND 150 LEG
MATERIAL: SOLID STEEL
FINISH: SELF-COLOR
WEIGHT: 0.03 LBS / 0.01 Kg

SUB FOR: HOLLAND XA-CRP-V-06635
FITS: HOLLAND ATLAS 55 & 65 LEGS
MATERIAL: SOLID STEEL
FINISH: SELF-COLOR
WEIGHT: 0.06 LBS / 0.02 Kg
ONE PIECE-TYPE

1-1/4" O.D. x 14 GA. TUBE
w/ 7/16" x 3/4" SLOT ON BOTH ENDS

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>A</th>
<th>WEIGHT</th>
<th>SUB FOR HOLLAND:</th>
<th>SUB FOR PENZ:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1005-6499</td>
<td>42-1/2'</td>
<td>3.7 LBS</td>
<td>LG0094-4250</td>
<td>04-652-42</td>
</tr>
<tr>
<td>1005-1385</td>
<td>65&quot;</td>
<td>5.15 LBS</td>
<td>LG0094-6500</td>
<td>04-652-65</td>
</tr>
<tr>
<td>1005-2387</td>
<td>66-3/4&quot;</td>
<td>8.45 LBS</td>
<td>50618046</td>
<td>--- n/a -----</td>
</tr>
<tr>
<td>1005-2388</td>
<td>69&quot;</td>
<td>6.92 LBS</td>
<td>LG0094-6900</td>
<td>04-652-69</td>
</tr>
</tbody>
</table>

NOMINAL DIMENSIONS SHOWN, COMMERCIAL TOLERANCES APPLY.

ONE PIECE-TYPE

HEAVY DUTY

1" SCH 40 PIPE
w/ 7/16" x 3/4" SLOT ON BOTH ENDS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>WEIGHT</th>
<th>SUB FOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1005-7607</td>
<td>55-7/8&quot;</td>
<td>8.2 LBS</td>
<td>JOST 10363.55.87</td>
</tr>
<tr>
<td>1005-7725</td>
<td>69&quot;</td>
<td>9.4 LBS</td>
<td>PENZ 04-652-69HD</td>
</tr>
</tbody>
</table>

NOMINAL DIMENSIONS SHOWN, COMMERCIAL TOLERANCES APPLY.
## ADJUSTABLE TYPE

**END TUBE**
- PART # 1005-1299-B
- 1-1/4" O.D. x 14 GA. TUBE w/ 7/16" x 3/4" SLOT

**CENTER TUBE**
- PART # 1005-1299-A or 1005-1478-A
- 1-1/2" O.D. x 14 GA.

**END TUBE**
- PART # 1005-1299-B
- 1-1/4" O.D. x 14 GA. TUBE w/ 7/16" x 3/4" SLOT

### Model # | Center Tubes Model # | A CENTER TUBE | B ADJ. LENGTH | End Tubes Model # | Weight | Sub For Holland | Sub For Penz
---|---|---|---|---|---|---|---
1005-1299 | 1005-1299-A | 36" | 37” – 56” | 1005-1299-B | 6.39 LBS | 50618004 | 04-536-X

1005-1478 | 1005-1478-A | 52" | 53” – 72” | 1005-1299-B | 6.97 LBS | 50618005 | 04-552-X

---

[return to Table of Contents]
ADJUSTABLE BRACES
STANDARD & MEDIUM DUTY
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

ADJUSTABLE BRACES
Standard Duty

INNER TUBE
1.5" O.D. x 14 GA.

ADJUSTABLE LENGTHS

OUTER TUBE
1.75" O.D. x 15 GA.

0.65" Dia. Holes
Both ends reinforced

<table>
<thead>
<tr>
<th>MODEL #:</th>
<th>ADJUSTABLE FROM:</th>
<th>WEIGHT:</th>
<th>SUB FOR HOLLAND #:</th>
<th>SUB FOR PENZ #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1006-1308</td>
<td>22&quot; – 30&quot;</td>
<td>3.7 LBS</td>
<td>— n/a —</td>
<td>04-10-22-30</td>
</tr>
<tr>
<td>1006-1309</td>
<td>26&quot; – 41&quot;</td>
<td>4.85 LBS</td>
<td>50618006</td>
<td>04-10-26-41</td>
</tr>
<tr>
<td>1006-1310</td>
<td>42&quot; – 57&quot;</td>
<td>7.45 LBS</td>
<td>50618007</td>
<td>04-10-42-57</td>
</tr>
<tr>
<td>1006-1311</td>
<td>56&quot; – 72&quot;</td>
<td>9.1 LBS</td>
<td>50618008</td>
<td>04-10-56-72</td>
</tr>
<tr>
<td>1006-1312</td>
<td>72&quot; – 88&quot;</td>
<td>11 LBS</td>
<td>— n/a —</td>
<td>04-10-72-88</td>
</tr>
</tbody>
</table>

MATERIAL: STEEL TUBE  FINISH: PRIMER

ADJUSTABLE BRACES
Medium Duty

INNER TUBE
1.63" O.D. x 13 GA.

ADJUSTABLE LENGTHS

OUTER TUBE
1.88" O.D. x 13 GA.

0.65" Dia. Holes
Both ends reinforced

<table>
<thead>
<tr>
<th>MODEL #:</th>
<th>ADJUSTABLE FROM:</th>
<th>WEIGHT:</th>
<th>SUB FOR HOLLAND #:</th>
<th>SUB FOR PENZ #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1006-1613</td>
<td>26&quot; – 41&quot;</td>
<td>6.05 LBS</td>
<td>50618012</td>
<td>04-15-26-41</td>
</tr>
<tr>
<td>1006-1614</td>
<td>42&quot; – 57&quot;</td>
<td>7.83 LBS</td>
<td>50618013</td>
<td>04-15-42-57</td>
</tr>
<tr>
<td>1006-1615</td>
<td>56&quot; – 72&quot;</td>
<td>9.85 LBS</td>
<td>50618014</td>
<td>04-15-56-72</td>
</tr>
</tbody>
</table>

MATERIAL: STEEL TUBE  FINISH: PRIMER

BUFFERS USA INC
“The Intermodal Hardware Specialists”
**ADJUSTABLE BRACES**  
*Heavy Duty*

**INNER TUBE**  
1-5⁄8" O.D. x 11 GA. WALL THICKNESS  
THIS END WELDED

**OUTER TUBE**  
2" O.D. x 10 GA.

**ADJUSTABLE LENGTHS**

**21⁄32" Dia. Holes**

---

**MODEL #:**  
<table>
<thead>
<tr>
<th>ADJUSTABLE FROM:</th>
<th>WEIGHT:</th>
<th>SUB FOR PENZ #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1006-1766</td>
<td>26&quot; – 41&quot;</td>
<td>8.05 LBS 04-40-26-41</td>
</tr>
<tr>
<td>1006-1767</td>
<td>42&quot; – 57&quot;</td>
<td>10.8 LBS 04-40-42-57</td>
</tr>
<tr>
<td>1006-1768</td>
<td>58&quot; – 72&quot;</td>
<td>14.65 LBS 04-40-56-72</td>
</tr>
</tbody>
</table>

**MATERIAL:** STEEL TUBE  
**FINISH:** PRIMER

---

![Diagram of adjustable braces](image-url)
ADJUSTABLE BRACES
EXTRA HEAVY DUTY
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

INNER TUBES
2” O.D. x 0.188” WALL THICKNESS
THIS END WELDED

OUTER TUBE
2” SCH. 40 PIPE

0.65” DIA. HOLES
ADJUSTABLE LENGTHS

ADJUSTABLE BRACES
Extra Heavy Duty
w/ Chamfered Ends

NOTE: The only difference between Model 1006-2470
and Model 1006-1529 is the Chamfered Ends.

MODEL 1006-2470
ADJUSTABLE FROM 26” – 41” 13.2 LBS
SUB FOR: PENZ 04-80-26-41

MATERIAL: STEEL TUBE  FINISH: PRIMER

1006-1527
20” – 24” 8.9 LBS — n/a — 04-80-20-24
1006-1528
25” – 34” 11.9 LBS — n/a — 04-80-25-34
1006-1529
26” – 41” 13.55 LBS 50618009 04-80-26-41
1006-1530
35” – 54” 17.95 LBS 50618010 04-80-35-54
1006-1531
56” – 72” 24.3 LBS 50618011 04-80-56-72

MATERIAL: STEEL TUBE  FINISH: PRIMER

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1/4/19
CROSS-BRACE
LANDING LEG
TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

SUB FOR: WABASH 13S00544
MATERIAL: FAB. STEEL
FINISH: BLACK WELDABLE PRIMER
WEIGHT: 19 LBS / 8.62 Kg

MODEL 1006-7602
C-Channel

BUFFERS USA INC ©
"The Intermodal Hardware Specialists"

904-696-0010
E-mail: sales@buffersusa.com

1006-4
**MATERIAL:** STEEL TUBE  
**FINISH:** PRIMER

**FIXED LENGTHS**

- **1.88” O.D. x 13 GA. TUBE**

**0.65” DIA. HOLES**

**CHAMFERED ENDS**

<table>
<thead>
<tr>
<th>MODEL #:</th>
<th>FIXED LENGTH:</th>
<th>WEIGHT:</th>
<th>SUB FOR HOLLAND #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1006-1966</td>
<td>21”</td>
<td>3.41 LBS</td>
<td>— n/a —</td>
</tr>
<tr>
<td>1006-1967</td>
<td>24”</td>
<td>3.8 LBS</td>
<td>LG0646-2400-P</td>
</tr>
<tr>
<td>1006-1968</td>
<td>27”</td>
<td>4.2 LBS</td>
<td>LG0646-2700-P</td>
</tr>
<tr>
<td>1006-1969</td>
<td>32-7/8”</td>
<td>4.7 LBS</td>
<td>LG0646-3300-P</td>
</tr>
<tr>
<td>1006-1970</td>
<td>42-1/4”</td>
<td>5.9 LBS</td>
<td>LG0646-4200-P</td>
</tr>
<tr>
<td>1006-1960</td>
<td>42-1/2”</td>
<td>6 LBS</td>
<td>LG0646-4300-P</td>
</tr>
<tr>
<td>1006-1971</td>
<td>48-1/4”</td>
<td>6.5 LBS</td>
<td>LG0646-4800-P</td>
</tr>
<tr>
<td>1006-1961</td>
<td>48-1/2”</td>
<td>6.6 LBS</td>
<td>— n/a —</td>
</tr>
<tr>
<td>1006-1972</td>
<td>55-3/16”</td>
<td>7.5 LBS</td>
<td>LG0646-5500-P</td>
</tr>
<tr>
<td>1006-1996</td>
<td>60-1/4”</td>
<td>7.8 LBS</td>
<td>LG0646-6000-P</td>
</tr>
</tbody>
</table>

**SPECIAL ORDER**

**MATERIAL:** STEEL TUBE  
**FINISH:** PRIMER

**FIXED BRACES**

- **Medium Duty w/ Chamfered Ends**
- **Heavy Duty w/ Chamfered Ends**

**2” O.D. x 0.2’ WALL THICKNESS**

<table>
<thead>
<tr>
<th>MODEL: 1006-1966</th>
<th>FIXED LENGTH:</th>
<th>WEIGHT:</th>
<th>SUB FOR HOLLAND #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>24”</td>
<td>6.7 LBS</td>
<td>— n/a —</td>
<td></td>
</tr>
</tbody>
</table>

**SPECIAL ORDER**

**MATERIAL:** STEEL TUBE  
**FINISH:** PRIMER

**FIXED BRACES**

- **Medium Duty w/ Chamfered Ends**
- **Heavy Duty**

**2” O.D. x 0.2’ WALL THICKNESS**

<table>
<thead>
<tr>
<th>MODEL: 1006-6496</th>
<th>FIXED LENGTH:</th>
<th>WEIGHT:</th>
<th>SUB FOR: PENZ 04-20-40</th>
</tr>
</thead>
<tbody>
<tr>
<td>40”</td>
<td>12.7 LBS</td>
<td>— n/a —</td>
<td></td>
</tr>
</tbody>
</table>

**904-696-0010**  
E-mail: sales@buffersusa.com

BUFFERS USA INC  
“The Intermodal Hardware Specialists”

1006-5
**Fixed Braces**

**Angle Type**

Trailers: Auto / Dry Van / Flatbed / Reefer Van

**Model 1006-6532**

- Sub for: TRAILMOBILE 6004-8-100A
- Material: 3/16" Fab. Steel
- Finish: Hot-Dip Galvanized (HDG)
- Weight: 5.5 LBS / 2.5 Kg

**Model 1006-6533**

- Sub for: TRAILMOBILE 6004-8-100L
- Material: 3/16" Fab. Steel
- Finish: Hot-Dip Galvanized (HDG)
- Weight: 5.5 LBS / 2.5 Kg

**Model 1006-7601**

- Sub for: WABASH 13S00542
- Material: 3/16" Steel
- Finish: Self-Color
- Weight: 4.5 LBS / 2.04 Kg

Buffers USA Inc.

“The Intermodal Hardware Specialists”

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E-mail: sales@buffersusa.com

1/4/19
**Model 1006-2015**

- **End Brackets**
- **Dimensions:**
  - Curbside: 18-1/4" (45.72 cm)
  - Roadside: 15-1/4" (38.42 cm)
- **Angles:**
  - Curbside: 30°
  - Roadside: 30°
- **Material:** Fab. Steel
- **Finish:** Primer
- **Weight:** 59 LBS / 26.75 Kg

**Model 1006-2016**

- **End Brackets**
- **Dimensions:**
  - Curbside: 69-1/4" (175.95 cm)
  - Roadside: 63-1/4" (160.38 cm)
- **Angles:**
  - Curbside: 30°
  - Roadside: 30°
- **Material:** Fab. Steel
- **Finish:** Primer
- **Weight:** 55.8 LBS / 25.3 Kg
WING BRACKETS
MODELS 1007-2665-RS & 1007-2665-CS
ALSO SOLD SEPARATELY

SUB FOR: GREAT DANE 31721, PENZ 02-500-102
MATERIAL: 3/16" FAB. STEEL  FINISH: PRIMER  WEIGHT: 135.8 LBS / 61.6 Kg

CURBSIDE
ROADSIDE

13-3/8"  9-1/4"  24-1/4"
11-1/2"  3/16"

30º  30º

23-1/2"  26-1/2"
70-1/8"  3/16"

K-BRACES
w/ WING BRACKETS
TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 1006-2317
MODEL 1006-2317-US-KIT
*Made in the U.S.A

BUFFERS USA INC
"The Intermodal Hardware Specialists"

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904-696-0010
7/30/19
LANDING LEG MOUNTING BRACKETS
U-TYPE
CHASSIS & TRAILERS: AUTO / FLATBED

MODEL 1007-1476
ACL style

SUB FOR: HOLLAND 50618036, PENZ 02-03
MATERIAL: 3/8" FAB. STEEL  FINISH: PRIMER
WEIGHT: 23.5 LBS / 10.7 Kg

MODEL 1007-1477

SUB FOR: PENZ 02-04
MATERIAL: 1/4" FAB. STEEL  FINISH: PRIMER
WEIGHT: 18.7 LBS / 8.5 Kg

MODEL 1007-2033
Loadcraft style

SUB FOR: PENZ 02-09
MATERIAL: 3/8" FAB. STEEL  FINISH: PRIMER
WEIGHT: 31.1 LBS / 14.1 Kg

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LANDING LEG MOUNTING BRACKETS
U-TYPE
CHASSIS & TRAILERS: AUTO / FLATBED

MODEL 1007-2640
Great Dane style

SUB FOR: PENZ 02-43
MATERIAL: 3/8" FAB. STEEL  FINISH: PRIMER
WEIGHT: 20.75 LBS / 9.4 Kg

MODEL 1007-2646

SUB FOR: PENZ 02-51
MATERIAL: 3/8" FAB. STEEL  FINISH: PRIMER
WEIGHT: 19 LBS / 8.6 Kg

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1007-2999-CS (Curbside) shown dimensioned. 
1007-2999-RS (Roadside) is the mirror opposite.

MODEL 1007-2999-CS
MODEL 1007-2999-RS
Utility style

2999-CS SUB FOR: UTILITY 03-1103-0-124
2999-RS SUB FOR: UTILITY 03-1103-0-123
FITS: DBLR HT50 LANDING LEG
MATERIAL: 1/8" FAB. STEEL  FINISH: PRIMER
WEIGHT: 3.85 LBS / 1.74 Kg
LANDING LEG MOUNTING BRACKETS
U-TYPE, LONG
CHASSIS & TRAILERS: AUTO / FLATBED

MODEL 1007-2787
Hyundai style

I.D. Ø5/8" × 10 HOLES
27"
10-1/2"

I.D. Ø3-3/4"
6-7/8"
9"
2"

I.D. Ø11/16" × 2 HOLES
1-7/8"
1-7/8"

SUB FOR: HYUNDAI 20000497
MATERIAL: 1/4" FAB. STEEL  FINISH: PRIMER
WEIGHT: 33.1 LBS / 15 Kg

MODEL 1007-6379
Cheetah style

I.D. Ø5/8" × 10 HOLES
25-3/4"
10-1/2"

I.D. Ø11/16" × 2 HOLES
3-11/16"
3-1/4"

SUB FOR: HOLLAND 50618017
MATERIAL: 1/4" FAB. STEEL  FINISH: PRIMER
WEIGHT: 35.9 LBS / 16.3 Kg

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5/6/21
LANDING LEG MOUNTING BRACKETS
U-TYPE, LONG
CHASSIS & TRAILERS: AUTO / FLATBED

MODEL 1007-7327
Ajax / Hercules style

MATERIAL: STEEL
FINISH: PRIMER
WEIGHT: 32.1 LBS / 14.6 Kg

MODEL 1007-8045
Cheetah / Strick style

SUB FOR: PENZ 02-61, STRICK AD-14C-0007-01-00
MATERIAL: 1/4" FAB. STEEL
FINISH: PRIMER
WEIGHT: 33.7 LBS / 15.3 Kg

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LANDING LEG MOUNTING BRACKETS
U-TYPE, LONG
CHASSIS & TRAILERS: AUTO / FLATBED

1/4" 6.5 MM
I.D. Ø5/8" x 12 HOLES
23-5/8"
10-1/2"

I.D. Ø3-3/4"
8-7/16"
2-1/2"
4"
11-1/4" 4"

SUB FOR: HYUNDAI 20041436
MATERIAL: 1/4" FAB. STEEL  FINISH: PRIMER
WEIGHT: 34.6 LBS / 15.7 Kg

Hyundai style

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LANDING LEG MOUNTING BRACKETS
WING TYPE
TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

SUB FOR: HOLLAND 50618033, PENZ 02-01, TRAILMOBILE 4-A1-223 & 700-4-507
MATERIAL: 7 GA. FAB. STEEL  FINISH: PRIMER  WEIGHT: 74 LBS / 33.6 Kg

SUB FOR: HOLLAND 50618033, PENZ 02-30, STOUGHTON 01-09945-000-00, TRAILMOBILE 01-700-4-481
MATERIAL: 7 GA. FAB. STEEL  FINISH: PRIMER  WEIGHT: 32 LBS / 14.5 Kg

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10/10/23
LANDING LEG MOUNTING BRACKETS

WING TYPE

TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

1007-CS SUB FOR: GREAT DANE 136-46, HOLLAND 50618038, PENZ 02-07-CS, TRAILMOBILE 01-700-4-502R (Curbside)

1007-RS SUB FOR: GREAT DANE 136-47, HOLLAND 50618037, PENZ 02-07-RS, TRAILMOBILE 01-700-4-502L (Roadside)

MATERIAL: 7 GA. FAB. STEEL  FINISH: PRIMER  WEIGHT: 24.7 LBS / 11.2 Kg

MODEL 1007-1779-CS
MODEL 1007-1779-RS

Great Dane style

1779-CS SUB FOR: GREAT DANE 136-46, HOLLAND 50618038, PENZ 02-07-CS, TRAILMOBILE 01-700-4-502R (Curbside)

1779-RS SUB FOR: GREAT DANE 136-47, HOLLAND 50618037, PENZ 02-07-RS, TRAILMOBILE 01-700-4-502L (Roadside)

MATERIAL: 7 GA. FAB. STEEL  FINISH: PRIMER  WEIGHT: 24.7 LBS / 11.2 Kg

MODEL 1007-1607-CS
MODEL 1007-1607-RS

Trailmobile style

1607-CS SUB FOR: HOLLAND 50618034, PENZ 02-02-CS, TRAILMOBILE 700-4-508R (Curbside)

1607-RS SUB FOR: HOLLAND 50618035, PENZ 02-02-RS, TRAILMOBILE 700-4-508L (Roadside)

MATERIAL: 7 GA. FAB. STEEL  FINISH: PRIMER  WEIGHT: 39.7 LBS / 18 Kg

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1007-8

10/10/23
LANDING LEG MOUNTING BRACKETS

WING TYPE

TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 1007-1780-CS
MODEL 1007-1780-RS

Wabash style

1007-1780-CS (Curbside) shown dimensioned.
1007-1780-RS (Roadside) is the mirror opposite.

1780-CS SUB FOR: PENZ 02-34-CS, TRAILMOBILE 01-700-4-420R (Curbside), WABASH 13S00047
1780-RS SUB FOR: PENZ 02-34-RS, TRAILMOBILE 01-700-4-420L (Roadside), WABASH 13S00048
MATERIAL: 7 GA. FAB. STEEL  FINISH: PRIMER  WEIGHT: 22.5 LBS / 10.2 Kg

MODEL 1007-1781-CS
MODEL 1007-1781-RS

Pines style

1007-1781-CS (Curbside) shown dimensioned.
1007-1781-RS (Roadside) is the mirror opposite.

1781-CS SUB FOR: GREAT DANE GDP00013646008, PENZ 02-36-CS, PINES LGB 1315R (Curbside), TRAILMOBILE 01-700-4-422R
1781-RS SUB FOR: GREAT DANE GDP00013647008, PENZ 02-36-RS, PINES LGB 1315L (Roadside), TRAILMOBILE 01-700-4-422L
MATERIAL: 10 GA. FAB. STEEL  FINISH: PRIMER  WEIGHT: 33 LBS / 15 Kg

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10/11/23
LANDING LEG MOUNTING BRACKETS
WING TYPE
TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 1007-1793-CS
MODEL 1007-1793-RS
Pines style

1007-1793-CS (Curbside) shown dimensioned.
1007-1793-RS (Roadside) is the mirror opposite.

MODEL 1007-2665-CS
MODEL 1007-2665-RS
Monon style

1007-2665-CS (Curbside) shown dimensioned.
1007-2665-RS (Roadside) is the mirror opposite.

1793-CS SUB FOR: GREAT DANE GDP49900207, PENZ 02-35-CS, PINES LGB 1314R, TRAILMOBILE 01-700-4-421R (Curbside)
1793-RS SUB FOR: GREAT DANE GDP49900208, PENZ 02-35-RS, PINES LGB 1314L, TRAILMOBILE 01-700-4-421L (Roadside)
MATERIAL: 7 GA. FAB. STEEL FINISH: PRIMER WEIGHT: 28 LBS / 12.7 Kg

2665-CS SUB FOR: MONON V09-189B-CS, PENZ 02-41-CS, TRAILMOBILE 01-700-4-501R (Curbside)
2665-RS SUB FOR: MONON V09-189A-RS, PENZ 02-41-RS, TRAILMOBILE 01-700-4-501L (Roadside)
MATERIAL: 7 GA. FAB. STEEL FINISH: PRIMER WEIGHT: 27.9 LBS / 12.7 Kg
MODEL 1007-2666
Fruehauf style.
Non-handed

MODEL 1007-2667-CS
MODEL 1007-2667-RS
Strick style

1007-2667-CS (Curbside) shown dimensioned.
1007-2667-RS (Roadside) is the mirror opposite.

SUB FOR: PENZ 02-55, FRUEHAUF FCF 001671 001
MATERIAL: 7 GA. FAB. STEEL  FINISH: PRIMER
WEIGHT: 26.8 LBS / 12.2 Kg

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LANDING LEG MOUNTING BRACKETS

WING TYPE

TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 1007-2668-CS

MODEL 1007-2668-RS

Strick style

MODEL 1007-2669

Non-handed

1007-2668-CS (Curbside) shown dimensioned.
1007-2668-RS (Roadside) is the mirror opposite.

2668-CS SUB FOR: PENZ 02-59-CS, STRICK 03691 (Curbside)
2668-RS SUB FOR: PENZ 02-59-RS, STRICK 03690 (Roadside)

MATERIAL: 7 GA. FAB. STEEL  FINISH: PRIMER
WEIGHT: 23.1 LBS / 10.5 Kg

SUB FOR: PENZ 02-60, STRICK AA13D-0506-01-00
MATERIAL: 7 GA. FAB. STEEL  FINISH: PRIMER
WEIGHT: 24.5 LBS / 11.1 Kg

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5/3/21
LANDING LEG MOUNTING BRACKETS
WING TYPE
TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

SUB FOR:
HYUNDAI 20002893 (Curbside),
HYUNDAI 20000492 (Roadside)

MATERIAL: 5/32" FAB. STEEL
FINISH: PRIMER
WEIGHT: 43.3 LBS / 19.6 Kg

1007-2998-CS (Curbside) is shown dimensioned.
1007-2998-RS (Roadside) is the mirror opposite.

SUB FOR:
UTILITY 03-1103-0-078 (Curbside),
UTILITY 03-1103-0-077 (Roadside)

MATERIAL: 1/8" FAB. STEEL
FINISH: PRIMER
WEIGHT: 25.6 LBS / 11.6 Kg

1007-2998-CS (Curbside) is shown dimensioned.
1007-2998-RS (Roadside) is the mirror opposite.
MODEL 1007-2788
LOWER WING SUPPORT
Hyundai style

MODEL 1007-6380-CS
MODEL 1007-6380-RS
WING SKIRT, Cheetah style

1007-6380-CS (Curbside) is shown dimensioned.
1007-6380-RS (Roadside) is the mirror opposite.

SUB FOR: HYUNDAI 20000735
MATERIAL: 3/16" FAB. STEEL  FINISH: PRIMER
WEIGHT: 20.15 LBS / 9.14 Kg

6380-CS SUB FOR: CHEETAH 76232-CS,
PENZ 02-62-CS, STRICK AD-14C-0009-01-00 CS
6380-RS SUB FOR: CHEETAH 76231-RS,
PENZ 02-62-RS, STRICK AD-14C-0010-01-00 RS
MATERIAL: 3/16" FAB. STEEL  FINISH: PRIMER
WEIGHT: 16.95 LBS / 7.69 Kg
LANDING LEG MOUNTING BRACKETS
WING TYPE
TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

**MODEL 1007-6465-CS**
**MODEL 1007-6465-RS**

**Pines style**

**1007-6465-CS** (Curbside) is shown dimensioned.
**1007-6465-RS** (Roadside) is the mirror opposite.

**MODEL 1007-7598-CS**
**MODEL 1007-7598-RS**

**Wabash style**

**1007-7598-CS** (Curbside) is shown dimensioned.
**1007-7598-RS** (Roadside) is the mirror opposite.

**SUB FOR:**
PINES GB4382R (CS), PINES GB4382L (RS)

**MATERIAL:** 1/8” FAB. STEEL

**FINISH:** PRIMER

**WEIGHT:** 31.7 LBS / 14.4 Kg

---

**SUB FOR:**
WABASH 13S01021 (CS), 13S01022 (RS)

**MATERIAL:** 3/16” FAB. STEEL

**FINISH:** PRIMER

**WEIGHT:** 27.85 LBS / 12.6 Kg

---

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7/6/21
LANDING LEG MOUNTING BRACKETS

WING TYPE

TRAILERS: AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 1007-8973-CS

MODEL 1007-8973-RS

Hyundai style

1007-8973-CS (Curbside) is shown dimensioned. 1007-8973-RS (Roadside) is the mirror opposite.

MODEL 1007-8845-CS

MODEL 1007-8845-RS

8845-CS SUB FOR: HYUNDAI 20014038
8845-RS SUB FOR: HYUNDAI 20037741
MATERIAL: STEEL  FINISH: HOT-DIP GALVANIZED (HDG)
WEIGHT: 37.2 LBS / 16.9 Kg

MODEL 1007-8973-CS

MODEL 1007-8973-RS

Wabash style

1007-8973-CS (Curbside) is shown dimensioned. 1007-8973-RS (Roadside) is the mirror opposite.

8973-CS SUB FOR: WABASH WAB13S01503GALV  8973-RS SUB FOR: WAB13S01504GALV
MATERIAL: 3/16" FAB. STEEL  FINISH: HOT-DIP GALVANIZED (HDG)  WEIGHT: 36 LBS / 16.3 Kg

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7/6/21
**1008-1306**

**BRACE LUG** for Square Leg, 90°, 2-Hole

**Kit includes:** 1008-1306 Brace Lug, 1003-1789 Crank Handle Keeper, 1005-1385 65° Turning Shaft

**1306 SUB FOR:** HOLLAND 50618018, PENZ 02-14-A

**MATERIAL:** 3/8" STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 1.32 LBS / 0.6 Kg

---

**1008-1307**

**BRACE LUG** for Round Leg, Curved, 2-Hole

**Kit includes:** 1008-1307 Brace Lug, 1003-1789 Crank Handle Keeper, 1005-1385 65° Turning Shaft

**SUB FOR:** HOLLAND 50618020, PENZ 02-15-A

**MATERIAL:** 3/8" STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 1.65 LBS / 0.75 Kg

---

**1008-1361**

**BRACE LUG** Curved, 1-Hole

**SUB FOR:** PENZ 02-16-A

**MATERIAL:** 3/8" STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 1.33 LBS / 0.6 Kg

---

**1008-1364**

**BRACE LUG** Short, 1-hole

**SUB FOR:** HOLLAND 50618039, PENZ 02-10-A

**MATERIAL:** 3/8" STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 0.44 LBS / 0.2 Kg

---

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4/15/19
LANDING LEG HARDWARE

MODEL 1008-1378
BRACE LUG
1-Hole, T-Shape

SUB FOR: PENZ 02-38
MATERIAL: 3/8" STEEL
FINISH: PRIMER
WEIGHT: 1.4 LBS / 0.64 Kg

MODEL 1008-1381
BRACE LUG, 2-Hole, 30°+30°, off-center

SUB FOR: HOLLAND 730052, PENZ 02-25
MATERIAL: 3/8" STEEL
FINISH: PRIMER
WEIGHT: 1.9 LBS / 0.86 Kg

MODEL 1008-1382
BRACE LUG
2-Hole, 30°+30°

SUB FOR: HOLLAND 50618047, PENZ 02-32
MATERIAL: 3/8" STEEL
FINISH: PRIMER
WEIGHT: 2 LBS / 0.91 Kg

MODEL 1008-1467
BRACE LUG
Straight, 2-hole

SUB FOR: HOLLAND 730624, PENZ 02-37
MATERIAL: 3/8" STEEL
FINISH: PRIMER
WEIGHT: 1.78 LBS / 0.81 Kg
MODEL 1008-1473
BRACE LUG, 2-Hole, 90°

SUB FOR: HOLLAND 50618021, PENZ 02-11-A
MATERIAL: 3/8" STEEL  FINISH: PRIMER
WEIGHT: 1.65 LBS / 0.75 Kg

MODEL 1008-1630
BRACE LUG, Straight, 2-Hole

SUB FOR: HOLLAND 50618022, PENZ 02-12-A
MATERIAL: 3/8" STEEL  FINISH: PRIMER
WEIGHT: 1.63 LBS / 0.74 Kg

MODEL 1008-1631
BRACE LUG, 1-Hole, 90°

SUB FOR: HOLLAND 50618023, PENZ 02-13-A
MATERIAL: 3/8" STEEL  FINISH: PRIMER
WEIGHT: 0.93 LBS / 0.42 Kg

MODEL 1008-1634
BRACE LUG, 2-Hole, 90°

SUB FOR: HOLLAND 50618024, PENZ 02-39
MATERIAL: 3/8" STEEL  FINISH: PRIMER
WEIGHT: 0.9 LBS / 0.41 Kg

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MODEL 1008-1757
BRACE LUG
3-Hole, Straight

SUB FOR: HOLLAND 50618025, PENZ 02-40
MATERIAL: 3/8" STEEL  FINISH: PRIMER
WEIGHT: 1.8 LBS / 0.82 Kg

MODEL 1008-1788
BRACE LUG
2-Hole, 90+90°

SUB FOR: PENZ 02-21-A
MATERIAL: 3/8" STEEL  FINISH: PRIMER
WEIGHT: 1.7 LBS / 0.77 Kg

MODEL 1008-2007
BRACE LUG
2-Hole, Straight

SUB FOR: HOLLAND 50618026, PENZ 02-22-A
MATERIAL: 3/8" STEEL  FINISH: PRIMER
WEIGHT: 1.38 LBS / 0.63 Kg

MODEL 1008-2015-A
UPPER ANGLE BRACKET
for K-Brace

FITS: BUFFERS 1006-2015, 1006-2016 & PENZ 02-501-096, 02-501-102 K-BRACES
MATERIAL: 3/16" STEEL  FINISH: PRIMER
WEIGHT: 2.7 LBS / 1.23 Kg

BUFFERS USA INC
“The Intermodal Hardware Specialists”
**Model 1008-2015-B**

**Lower C-Bracket**

**Fits:** Buffers 1006-2015, 1006-2016 & PENZ 02-501-096, 02-501-102 K-Braces

**Material:** 3/16" steel  
**Finish:** Primer  
**Weight:** 4.2 lbs / 1.91 Kg

---

**Model 1008-2034**

**Brace Lug, 2-Hole, Universal**

**Sub For:** Holland 730051, PENZ 02-20  
**Material:** 3/8" steel  
**Finish:** Primer  
**Weight:** 2 lbs / 0.91 Kg

---

**Model 1008-2101**

**Brace Lug, 2-Hole, 90+90°, Universal**

**Sub For:** Cheetah, PENZ 02-24-A  
**Material:** 3/8" steel  
**Finish:** Primer  
**Weight:** 1.8 lbs / 0.82 Kg

---

**Model 1008-2641**

**Brace Lug for Great Dane**

**Sub For:** Great Dane 09954, Holland 50618041, PENZ 02-44  
**Material:** 3/8" steel  
**Finish:** Primer  
**Weight:** 2.5 lbs / 1.14 Kg

---

**Buffers USA Inc.**

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**MODEL 1008-2642**

**BRACE LUG** for Great Dane

- **SUB FOR:** GREAT DANE 09955, HOLLAND 50618042, PENZ 02-45
- **MATERIAL:** 3/8" STEEL  
- **FINISH:** PRIMER
- **WEIGHT:** 2.68 LBS / 1.22 Kg

**MODEL 1008-2643**

**BRACE LUG** for Great Dane

- **SUB FOR:** GREAT DANE 09758 & 43960005, HOLLAND 50618043, PENZ 02-46
- **MATERIAL:** 3/8" STEEL  
- **FINISH:** PRIMER
- **WEIGHT:** 4.17 LBS / 0.83 Kg

**MODEL 1008-2644**

**BRACE LUG, 2-Hole**

- **SUB FOR:** AUSTIN 8910-5, PENZ 02-47
- **MATERIAL:** 3/8" STEEL  
- **FINISH:** PRIMER
- **WEIGHT:** 2.2 LBS / 1 Kg

**MODEL 1008-2645**

**BRACE LUG, L-shape**

- **SUB FOR:** PENZ 02-50
- **MATERIAL:** 1/4" STEEL  
- **FINISH:** PRIMER
- **WEIGHT:** 0.7 LBS / 0.32 Kg

---

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**MODEL 1008-2647**

**Brace Lug, L-shape**

- **MATERIAL:** 5/16" STEEL  
- **FINISH:** PRIMER  
- **WEIGHT:** 0.79 LBS / 0.36 Kg

**SUB FOR:** KYSOR/WESTRAN, PENZ 02-56

---

**MODEL 1008-2648**

**Brace Lug, Flat, 2-Hole**

- **MATERIAL:** 3/8" STEEL  
- **FINISH:** PRIMER  
- **WEIGHT:** 1.83 LBS / 0.83 Kg

**SUB FOR:** HOLLAND 50618027, KYSOR/WESTRAN, PENZ 02-57

---

**MODEL 1008-2765**

**Brace Lug, 2-Hole for Round Leg**

- **MATERIAL:** 3/8" STEEL  
- **FINISH:** PRIMER  
- **WEIGHT:** 1.35 LBS / 0.61 Kg

---

**MODEL 1008-2774**

**Brace Lug, 2-Hole, Universal**

- **MATERIAL:** 3/8" STEEL  
- **FINISH:** PRIMER  
- **WEIGHT:** 2 LBS / 0.91 Kg

**SUB FOR:** PENZ 02-25/MOD
**MODEL 1008-2967**
**BRACE LUG,** Double for Jost Leg

- **SUB FOR:** JOST JOSC10108, PENZ 02-66
- **FITS:** JOST A400, A401 LEG
- **MATERIAL:** 3/8" STEEL  
  **FINISH:** PRIMER  
- **WEIGHT:** 1.54 LBS / 0.7 Kg

---

**MODEL 1008-2974**
**BRACE LUG**  
Straight, 2-Hole

- **SUB FOR:** HOLLAND 50618028  
  **MATERIAL:** 7/16" STEEL  
  **FINISH:** PRIMER  
- **WEIGHT:** 2.65 LBS / 1.2 Kg

---

**MODEL 1008-2986**
**BRACE LUG,** Double for Square Leg

- **MODEL 1008-2986-KIT**  
  **Kit includes:** Brace Lug & Brace Ear

- **2986 SUB FOR:** HOLLAND XA-V-1938  
  **2986-KIT SUB FOR:** HOLLAND LG2790  
  **MATERIAL:** 3/8" STEEL  
  **FINISH:** PRIMER  
- **WEIGHT:** 1.35 LBS / 0.61 Kg

---

**MODEL 1008-2992**
**BRACE LUG PLATE,** 2-Hole

- **FITS:** HOLLAND MARK V LEG  
  **MATERIAL:** 3/16" STEEL  
  **FINISH:** PRIMER  
- **WEIGHT:** 0.58 LBS / 0.26 Kg

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**Model 1008-6338**

**Brace Lug, 2-Hole, Round Leg**

- **Dimensions:**
  - Ø11/16" x 2 HOLES
  - 5-5/16" x 4-5/16" x 3/8" x 2-1/2"

**Model 1008-6338-KIT**

**Kit includes:**
- 1008-6338 Brace Lug
- 1003-1406 Crank Handle Keeper
- 1005-2388 69" Turning Shaft

**Specifications:**
- **Material:** 1/4" Steel
- **Finish:** PRIMER
- **Weight:** 0.55 LBS / 0.25 Kg

---

**Model 1008-7124**

**Brace Lug, 2-Hole, 75+75°**

- **Dimensions:**
  - Ø21/32" x 2 HOLES
  - 3-1/8" x 4-5/16" x 3/8" x 1-1/2"

**Specifications:**
- **Material:** 3/8" Steel
- **Finish:** PRIMER
- **Weight:** 1.2 LBS / 0.54 Kg

---

**Model 1008-7332**

**Brace Lug, 1-Hole**

- **Dimensions:**
  - Ø5/8" x 1-1/4" x 2-3/8" x 3-1/8" x 1/4"

**Specifications:**
- **Material:** 1/4" Steel
- **Finish:** PRIMER
- **Weight:** 0.55 LBS / 0.25 Kg

---

**Model 1008-7333**

**Brace Lug, 2-Hole, 90+90°**

- **Dimensions:**
  - Ø5/8" x 2 HOLES
  - 4-7/8" x 2" x 2-1/4" x 2-1/2" x 1/4"

**Specifications:**
- **Material:** 1/4" Steel
- **Finish:** PRIMER
- **Weight:** 1.16 LBS / 0.53 Kg

---

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**Address:**

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1008-9

3/8/19
BRACE LUGS & CONNECTIONS

MODEL 1008-7334
BRACE LUG
Universal, V-shape

SUB FOR: PENZ 02-23-A
MATERIAL: 3/8" STEEL
FINISH: PRIMER
WEIGHT: 4.18 LBS / 1.9 Kg

MODEL 1008-7603
BRACE CONNECTION
Upper

SUB FOR: WABASH 13S00397
MATERIAL: 1/4" FAB. STEEL
FINISH: BLACK PRIMER
WEIGHT: 2.2 LBS / 1 Kg

MODEL 1008-7604
BRACE CONNECTION
Lower

SUB FOR: WABASH 13S00398
MATERIAL: 1/4" FAB. STEEL
FINISH: BLACK PRIMER
WEIGHT: 1.71 LBS / 0.78 Kg

MODEL 1008-7605
BRACE LUG
Square Leg

SUB FOR: WABASH 13S00018
MATERIAL: FAB. STEEL
FINISH: BLACK PRIMER
WEIGHT: 2.89 LBS / 1.31 Kg

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**MODEL 1009-2398**
LANDING LEG COVER
Square

- **SUB FOR:** HOLLAND XA-06218, XA-LG0880
- **FITS:** HOLLAND 51000 (std./no lube), ATLAS 55, FG4000, CLASSIC, 150, 4700/4701, CMS2/3, G/NG LEGS
- **MATERIAL:** FAB. STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 0.3 LBS / 0.14 Kg

**MODEL 1009-6466**
LANDING LEG COVER
Square

- **SUB FOR:** JOST C10217
- **FITS:** ALL JOST GEARBOX LEGS (2-SPEED)
- **MATERIAL:** FAB. STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 0.63 LBS / 0.29 Kg

**MODEL 1009-6467**
LANDING LEG COVER
Round

- **SUB FOR:** JOST C10259
- **FITS:** ALL JOST SLAVE LEGS (SINGLE-SPEED)
- **MATERIAL:** FAB. STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 0.62 LBS / 0.29 Kg

**MODEL 1009-2399**
LANDING LEG COVER
Round

- **SUB FOR:** K/W 751568
- **FITS:** K/W AUSTIN LIFT-PAK
- **MATERIAL:** FAB. STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 0.29 LBS / 0.13 Kg
**LANDING LEG HARDWARE**

**HOLLAND 150 LEG**

**MODEL 1004-6522**
- **SHAFT AXLE BEARING**
- **SUB FOR:** XB-0308-PM
- **WEIGHT:** 0.16 LBS / 0.07 Kg

**MODEL 1110-6523**
- **SPLIT ROLL PIN**
- **SUB FOR:** XB-21-S-187-1000
- **WEIGHT:** 0.006 LBS / 0.003 Kg

**MODEL 1004-6524-125**
- **STOP PIN**
- **SUB FOR:** XA-01702
- **WEIGHT:** 0.03 LBS / 0.01 Kg

**MODEL 1009-6527**
- **GEARBOX COVER**
- **SUB FOR:** HOLLAND XB-LG0663
- **FITS:** HOLLAND 4700, 4701 & 51000 LEG
- **MATERIAL:** FAB. STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 3.4 LBS / 1.52 Kg

**MODEL 1009-2758**
- **GEARBOX COVER**
- **SUB FOR:** HOLLAND XA-06224-A
- **FITS:** HOLLAND 150 LEG
- **MATERIAL:** FAB. STEEL
- **FINISH:** SELF-COLOR
- **WEIGHT:** 3.67 LBS / 1.67 Kg

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1111-1  PIN NUT WRENCHES for Screwdown Twistlocks
TWISTLOCKS - FLATBED TYPE
RETRACTABLE
FLATBED TRAILERS

MODEL 1101-1132

Please note that not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

ALSO AVAILABLE:

MODEL 1101-1132-OS28

WEIGHT: 13.6 LBS / 6.2 Kg
FINISH: WELDABLE PRIMER

MODEL 1101-1132-OS70

WEIGHT: 14.1 LBS / 6.4 Kg

• HOUSE DESIGN SUITABLE FOR FLATBEDS.
• LEFT- OR RIGHT-LOCKING EASILY CHANGED w/ PATENTED HANDLE POSITIONER.
• CAST STEEL HOUSING & FORGED STEEL PIN.
• DISTINCT INDEXING OF LOCKED & UNLOCKED POSITIONS.

1105-1132-INNER CONTAINS:
1105-1132-2 PIN
1110-4502 SPRING
1110-4501 BALL (2 PCS.)
1110-4548 SPLIT ROLL PIN
1109-1132-3 SHEARBLOCK
1109-1132-1 HOUSING
1110-4503 GREASE FITTING
1111-1132-5 GUIDE PLATE
1110-1132-6 HANDLE POSITIONER (shown in position for right-locking)
1107-1133-4 HANDLE
1110-4504-G5 HEX BOLT
1110-4505 LOCK NUT
1101-1132-2 PIN
1110-4502 SPRING
1110-4548 SPLIT ROLL PIN
1109-1132-3 SHEARBLOCK
1110-4503 GREASE FITTING (2 PCS.)
1110-1132-5 GUIDE PLATE
1110-1132-6 HANDLE POSITIONER

Please note that not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

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1101
TWISTLOCKS - FLATBED TYPE

WEIGHT: 16.2 LBS / 7.4 Kg
FINISH: WELDABLE PRIMER

EXPLODED VIEW

1105-3532-2 PIN
1110-4502 SPRING
1110-4501 BALL (2 pcs.)
1109-3532-3 SHEARBLOCK
1110-4503 GREASE FITTING
1110-3532-5 GUIDE PLATE
1110-3532-6 HANDLE POSITIONER (shown in position for right-locking)
1109-3532-1 HOUSING
1110-4518 SPLIT ROLL PIN
1110-4511 LOCK NUT
1107-8533-4 HANDLE

WEIGHT: 16.8 LBS / 7.62 Kg
WEIGHT: 16.33 LBS / 7.41 Kg

MODELS 1101-3532
w/ 1-3/8” / 35 MM EXTENDED HANDLE
w/ 2-3/4” / 70 MM EXTENDED HANDLE

ALSO AVAILABLE:

MODEL 1101-3532-OS35
MODEL 1101-3532-OS70

• HOUSE DESIGN SUITABLE FOR FLATBEDS.
• LEFT OR RIGHT-LOCKING HANDLE EASILY CHANGED w/ PATENTED HANDLE POSITIONER.
• CAST STEEL HOUSING & FORGED STEEL PIN.
• DISTINCT INDEXING OF LOCKED & UNLOCKED POSITIONS.

MODELS 1101-3532-INNER CONTAINS:
1105-3532-2 PIN
1110-4501 DETENT BALL (2 pcs.)
1110-4502 SPRING
1110-4504 SPLIT ROLL PIN
1109-3532-3 SHEARBLOCK
1110-4503 GREASE FITTING
1110-3532-5 GUIDE PLATE
1110-3532-6 HANDLE POSITIONER

Please note that not all twistlocks are supplied with an integral handle latch. All twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

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5/13/19
TWISTLOCKS – FLATBED TYPE
RETRACTABLE, SHORT RETRACTED LENGTH
FLATBED TRAILERS

MODEL 1101-3836-R
Round Body w/ Spring-loaded Latch

**EXPLODED VIEW**

- **NON-HANDED DESIGN, LOCKS TO EITHER LEFT OR RIGHT**
- **SPRING-LOADED LATCH**
- **ONLY 6-7/8” BELOW DECK IN RETRACTED POSITION FOR EXTRA TIRE CLEARANCE WHERE NEEDED**
- **CAST STEEL HOUSING & FORGED STEEL PIN**
- **ROUND HOUSING TOP w/ LARGE WELD CHAMBER FOR DECK INSTALLATION**
- **DUAL GREASE FITTINGS**

**MATERIAL:** CAST/FORGED STEEL
**FINISH:** WELDABLE PRIMER
**WEIGHT:** 13.65 LBS / 6.19 Kg

**1105-3836-INNER CONTAINS:**
- 1105-3836-2 PIN
- 1110-4501 DETENT BALL (2 PCS)
- 1110-4502 SPRING
- 1110-4548 SPLIT ROLL PIN
- 1109-3533-3 SHEARBLOCK
- 1110-4503 GREASE FITTING (2 PCS)
- 1110-3533-5 GUIDE PLATE

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4/16/19
TWISTLOCKS – FLATBED TYPE
RETRACTABLE, SHORT RETRACTED LENGTH
FLATBED TRAILERS

MODELL 1101-3152

- HOUSE DESIGN SUITABLE FOR FLATBEDS
- LEFT- OR RIGHT-LOCKING HANDLE
- CAST STEEL HOUSING & FORGED STEEL PIN
- ONLY 5-9/16" BELOW DECK IN RETRACTED POSITION FOR EXTRA TIRE CLEARANCE WHERE NEEDED
- DISTINCT INDEXING OF LOCKED & UNLOCKED POSITIONS
- STAINLESS STEEL LATCH SPRING TO ELIMINATE BOUNCE

MATERIAL: CAST/FORGED STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 12.9 LBS / 5.85 Kg

EXPLODED VIEW

1105-3151-2 PIN
1110-4502 SPRING
1110-4501 BALL (2 PCS.)
1109-3151-3 SHEARBLOCK
1110-3152-5 GUIDE PLATE (FOR LOCKING BOTH LEFT & RIGHT)
1110-3152-19 LATCH SPRING
1110-4512 FLAT WASHER
1110-3151-22 CLEVIS PIN
1110-3151-4 HANDLE
1101-3152 TWISTLOCK LOCKS RIGHT & LEFT.

1108-3151-18-PR LATCH
1110-4514 LATCH PIN
1501-4591-SS COTTER PIN
1107-3151-4 COTTER PIN

1110-4503 GREASE FITTING (2 PCS.)
1110-4512 GREASE FITTING (2 PCS.)
1110-4548 SPLIT ROLL PIN
1109-3151-3 SHEARBLOCK
1110-3152-5 GUIDE PLATE
1110-4503 GREASE FITTING (2 PCS.)

1105-3152-INNER CONTAINS:
1105-3151-2 PIN
1110-4501 DETENT BALL (2 PCS)
1110-4502 SPRING
1110-4548 SPLIT ROLL PIN
1109-3151-3 SHEARBLOCK
1110-3152-5 GUIDE PLATE
1110-4503 GREASE FITTING (2 PCS.)

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TWISTLOCKS - FLATBED TYPE
RETRACTABLE & NON-RETRACTABLE SCREWDOWN
FLATBED TRAILERS

WEIGHT: 16.4 LBS / 7.44 Kg  FINISH: WELDABLE PRIMER

EXPLODED VIEW

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

MODEL 1101-3539-RS
* Kits w/ Extended Handles also available (see below)

MODEL 1101-3539-NRS

• House design suitable for Flatbeds
• Left- or right-locking Handle is easily changed w/ patented Handle Positioner
• Cast steel Housing & forged steel Pin
• Distinct indexing of locked & unlocked positions

MODEL 1111-1244

WORKS WITH: BUFFERS 1101-1240, 1101-3539-RS/-NRS TWISTLOCKS
MATERIAL: CAST STEEL  FINISH: HDG
WEIGHT: 2.19 LBS / 0.99 Kg

* VARIATIONS OF THIS TWISTLOCK w/ EXTENDED HANDLES ARE ALSO AVAILABLE:
1101-3539-RS-7382-76  3" ext.
1101-3539-RS-7382-102  4" ext.
1101-3539-RS-7382-127  5" ext.
1101-3539-RS-7382-152  6" ext.

NOTE: Ext. Handles shown for reference; see end of the 1107 section for Replacement Handle part numbers and further dimensions/specs.

1109-3539-3 SHEAR BLOCK
1110-4501 DETENT BALL (2 pcs.)
1110-4502 SPRING
1110-4503 GREASE FITTING
1110-3539-6 HANDLE POSITIONER
1110-3532-5 GUIDE PLATE
1110-3539-2 Pin
1110-4531-G5 HEX BOLT
1110-3532-1 HOUSING
1110-1129-14 PIN NUT
1110-4511 HEX LOCK NUT
1110-3539-4 HANDLE
1110-3539-5 Guide Plate
1110-1129-14 Pin Nut
1107-3529-4 Handle
1110-4531-G5 Hex Bolt
1110-4511 Hex Nut

1105-3539-RS-INNER contains:
1105-3539-2 Pin
1110-4501 Detent Ball (2 pcs.)
1110-4502 Spring
1110-4503 Grease Fitting
1110-4548 Split Roll Pin
1109-3539-3 Shear Block
1110-3539-5 Guide Plate
1110-3539-6 Handle Positioner
1110-1129-14 Pin Nut
1107-3529-4 Handle
1110-4531-G5 Hex Bolt
1110-4511 Hex Nut

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5/4/22
TWISTLOCKS - FLATBED TYPE
HEIGHT EXTENDER
FLATBED TRAILERS

MODEL 1101-2959

SHOWN IN LOCKED POSITION.
Gravity latch keeps handle in locked position.

- Improves the cargo-carrying capability for double drop deck trailers
- Fits over & locks onto welded-in twistlock on flatbed
- Designed to bridge the 6" difference in deck height from the main drop level to the level over the rear axles
- Portable for easy storage & transport
- Heavy duty & galvanized

WEIGHT: 43.5 LBS / 19.73 Kg
FINISH: HOT-DIP GALVANIZED

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11/19/20
**TWISTLOCKS – FLATBED TYPE**

**HEIGHT-ADJUSTABLE & RETRACTABLE (1 of 2)**

**FLATBED TRAILERS**

**MODEL 1101-3600-HA-WL-KIT**

**HEIGHT-ADJUSTABLE TWISTLOCK**

w/ T-Handle & Latch

- Fully retracted
- 3" max.
- DECK LEVEL
- DECK LEVEL
- EXTENDED
- EXTENDED

**OPERATING GUIDE**

1101-3600-HA-WL-KIT illustrated below:

- Fully retracted
- Disengage latch, lift and turn handle to "READY" position.
- Turn handle 90° so Pin head is in "LOCKED" position. Engage latch.
- Disengage latch and turn handle clockwise to desired extended height (max. 3”).
- Turn handle 90° so Pin head is in "LOCKED" position. Engage latch.

**FINISH:** PRIMER

**WEIGHT:** 51.3 LBS / 23.3 Kg

- Improves loading & securing container on flatbeds w/ camber
- Can be used as a standard retractable twistlock
- Rotate handle clockwise to extend upward (max. 3”) to compensate for trailer camber
- Cast steel housing & forged steel pin
- Non-handed design locks to either left or right
- 3 grease fittings for easy operation

**MODEL 1101-3600-HA-9-WL-KIT**

**HEIGHT-ADJUSTABLE TWISTLOCK**

w/ 9" Extension Tube, T-Handle & Latch

**MODEL 1101-3600-HA-9-NH-WL-KIT**

**HEIGHT-ADJUSTABLE TWISTLOCK**

w/ 9" Extension Tube & Latch (no Handle)

- Fully retracted
- 3” max.
- DECK LEVEL
- DECK LEVEL
- EXTENDED
- EXTENDED

**FINISH:** PRIMER

**WEIGHT:** 55.1 LBS / 25 Kg

**WEIGHT:** 53.8 LBS / 24.2 Kg

**INSTALLATION NOTES**

This twistlock can be installed so that latch swings in transverse or longitudinal direction of flatbed.

FOR LONGITUDINAL LATCH OPERATION:
- Install Handle Bolt in Handle’s Upper Bolt Hole
- Install Twistlock w/ Welded Latch in positions A or B

FOR TRANSVERSAL LATCH OPERATION:
- Install Handle Bolt in Handle’s Lower Bolt Hole
- Install Twistlock w/ Welded Latch in positions C or D

For additional information, please do not hesitate to call our Engineering Department.

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**1105-3600-INNER**

CONTAINS:

- 1105-3600-2 PIN
- 1109-3600-3 SHEAR BLOCK
- 1110-3600-5 GUIDE PLATE
- 1110-4635 SPLIT ROLL PIN
- 1110-4501 DETENT BALL (Ø10mm, 2 pcs.)
- 1110-4899 DETENT SPRING
- 1110-4503 GREASE FITTING (1/4"-28, 2 pcs.)

**FINISH:** PRIMER

**WEIGHT:** 12.7 LBS / 5.76 Kg

---

**INSTALLATION NOTES**

For additional information, please do not hesitate to call our Engineering Department.
### Exploded Views

**Model 1101-3600-HA-WL-KIT**

1. **Components**
   - **Handle Assembly for 1101-3600-HA-WL-KIT**
   - **Extension Tube w/ T-Handle Assembly for 1101-3600-HA-9-WL-KIT**
   - **Extension Tube Assembly for 1101-3600-HA-9-NH-WL-KIT**

**Item Buffers Model # | QTY. | Description**
--- | --- | ---
1. 1105-3600-INN | 1 | 1 | Pin Inner Assembly
1.1 1105-3600-2 | 1 | 1 | Pin
1.2 1110-4501 | 2 | 2 | Detent Ball, Ø10mm
1.3 1110-4999 | 1 | 1 | Detent Spring
1.4 1110-4635 | 1 | 1 | Split Roll Pin
1.5 1109-3600-3 | 1 | 1 | Shear Block
1.6 1110-4503 | 2 | 2 | Grease Fitting, 1/4”-28
1.7 1110-3600-5 | 1 | 1 | Guide Plate
2. 1109-3600-1/1HB-WLA | 1 | 1 | Complete Housing Assembly w/ Latch Assembly welded on
2.1 1110-3600-26-TOP | 1 | 1 | Top Retainer Ring
2.2 1109-3600-1 | 1 | 1 | Housing
2.3 1109-3600-1HB | 1 | 1 | Housing Base
2.4 1108-3600-HA-18-SL-SQ | 1 | 1 | Latch Assembly
3. 1110-4768-G8 | 1 | 2 | 1 | Hex Bolt, 1/2”-13 x 2.75”, Grade 8
4. 1110-4511-J | 1 | 2 | 1 | Hex Jam Nut, Nyloc, 1/2”-13
5. 1107-3600-4-SQ | 1 | 0 | 0 | Square Handle
6. 1107-3600-4-9-SQ | 0 | 1 | 1 | Square Handle Extension Tube
7. 1107-3600-4 | 0 | 1 | 0 | T-Handle

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**1101-8**
TWISTLOCKS - FLATBED TYPE
RETRACTABLE & NON-RETRACTABLE SCREWDOWN
FLATBED TRAILERS

MODEL 1101-3729-RS

EXPLODED VIEW

- Non-handed design; locks to either left or right
- Cast steel Housing and forged steel Pin
- Square corners on top plate for easy weld-in
- Stainless steel Latch Spring to eliminate bounce

WORKS WITH: BUFFERS 1101-3629, 1101-3729 & 1101-3929 TWISTLOCKS
MATERIAL: CAST STEEL
FINISH: HOT-DIP GALVANIZED (HDG)
WEIGHT: 2.1 LBS / 0.95 Kg

See page 1107-29 for additional handles.

WORKS WITH: BUFFERS 1101-3629, 1101-3729 & 1101-3929 TWISTLOCKS
MATERIAL: CAST STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 20.7 LBS / 9.4 Kg

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904-696-0010
• Non-handed design; locks to either left or right
• Cast steel Housing and forged steel Pin
• Square corners on top plate for easy weld-in
• Stainless steel Latch Spring to eliminate bounce

FINISH: WELDABLE PRIMER

WEIGHT: 19.8 LBS / 8.98 Kg

EXPLODED VIEW

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1101-10
12/16/20
TWISTLOCKS - FLATBED TYPE
RETRACTABLE FLATBED TRAILERS

MODEL 1101-3743-R-SC/HDG

- Non-handed design; locks to either left or right
- Cast steel Housing and forged steel Pin
- Square corners on top plate for easy weld-in
- Self-colored housing (to be hot-dip galvanized w/ Flatbed frame)
- Hot-dip galvanized Inner, Latch, Latch Pin & Handle
- Stainless steel Grease Fittings, Washers, Cotter Pin & Latch Spring

Complete 1101-3743-R-SC/HDG lock is only sold under the following two part numbers:

MODEL 1101-3743-R-WOH-HDG-KIT
MODEL 1109-3733-1-SC

EXPLODED VIEW

1109-3733-1-SC WEIGHT: 11 LBS / 5 Kg
1101-3743-R-WOH-HDG-KIT WEIGHT: 9.2 LBS / 4.17 Kg

COMPLETE 1101-3743-R-SC/HDG

* Components are supplied loose, but w/ 1105-3533-HDG-INNER assembled

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[return to Table of Contents]
TWISTLOCKS – CHASSIS TYPE
RETRACTABLE & NON-RETRACTABLE SCREWDOWN

EXPLODED VIEW

MODEL 1101-3629-RS
MODEL 1101-3629-NRS

FINISH: WELDABLE PRIMER
WEIGHT: 20.8 LBS / 9.43 Kg

MODEL 1111-8122

FINISH: HOT-DIP GALVANIZED (HDG)
WEIGHT: 20.8 LBS / 9.43 Kg

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See page 1107-29 for additional handles.
TWISTLOCKS - CHASSIS TYPE
RETRACTABLE & NON-RETRACTABLE
STRAIGHT or BENT HANDLE

MODEL 1101-3633-R
MODEL 1101-3633-NR
w/ Straight Handle

MODEL 1101-3623-R
MODEL 1101-3623-NR
w/ L-Handle

EXPLODED VIEW

• Non-handed design; locks to either left or right
• Cast steel Housing and forged steel Pin
• Easy conversion from Retractable to Non-Retractable w/ 1109-4630 Bushing
• Heavy-duty Housing for End-of-Bolster use
• Stainless steel Latch Spring to eliminate bounce
• Dual Grease Fittings

1105-3533-2 PIN
1110-4548 SPLIT ROLL PIN
1109-3533-3 SHEAR BLOCK
1110-4502 DETENT SPRING
1110-4501 DETENT BALL (2 pcs.)
1110-4503 GREASE FITTING (2 pcs.)
1109-3533-5 GUIDE PLATE
1109-4630 BUSHING
used on 1101-3633-NR & 1101-3623-NR (NON-RETRACTABLE TWISTLOCKS ONLY)
1110-3533-19 LATCH SPRING
1110-4667 LATCH PIN
1110-4768-GB HEX BOLT
1107-8533-4 STRAIGHT HANDLE
1107-8543-4 BENT HANDLE
1110-4612 FLAT WASHER
1108-3633-18 LATCH
1110-4511-J HEX JAM NUT
1105-3533-IN inner contains:
1105-3533-2 Pin
1110-4501 Detent Ball (2 pcs.)
1110-4502 Detent Spring
1110-4548 Split Roll Pin
1109-3533-3 Shear Block
1110-4503 Grease Fitting (2 pcs.)
1110-3533-5 Guide Plate

FINISH: WELDABLE PRIMER
3633-NR WEIGHT: 19 LBS / 8.62 Kg
3623-NR WEIGHT: 19.8 LBS / 8.89 Kg

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9/13/22
TWISTLOCKS - CHASSIS TYPE
NON-RETRACTABLE STRAIGHT or BENT HANDLE
CHASSIS

FINISH: WELDABLE PRIMER
WEIGHT: 18.9 LBS / 8.6 Kg

- Non-handed design; locks to either left or right
- Cast steel Housing and forged steel Pin
- Heavy-duty Housing for End-of-Bolster use
- Stainless steel Latch Spring to eliminate bounce
- Grease Fitting

MODEL 1101-3634-NR
w/ Straight Handle

MODEL 1101-3624-NR
w/ L-Handle

EXPLODED VIEW

BUFFERS USA INC
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TWISTLOCKS – CHASSIS TYPE
RETRACTABLE & NON-RETRACTABLE
STRAIGHT or BENT HANDLE

MODEL 1101-3690-R
MODEL 1101-3690-NR
w/ Straight Handle & long backplate

MODEL 1101-3695-R
MODEL 1101-3695-NR
w/ L-Handle & long backplate

OVERSIZED BACK PLATE: Same as 1101-3633 & 1101-3623 Twistlocks except length & width of Back Plate.

FINISH: WELDABLE PRIMER
3690-NR WEIGHT: 19.64 LBS / 8.91 Kg
3695-NR WEIGHT: 19.6 LBS / 8.89 Kg

- Non-handed design; locks to either left or right
- Oversized Back Plate for larger Bolster
- Cast steel Housing and forged steel Pin
- Easy conversion from Retractable to Non-Retractable w/ 1109-4630 Bushing
- Heavy-duty Housing for End-of-Bolster use
- Stainless steel Latch Spring to eliminate bounce
- Dual Grease Fittings

BUFFERS USA INC
“The Intermodal Hardware Specialists”
TWISTLOCKS - CHASSIS TYPE
NON-RETRACTABLE
CHASSIS

MODEL 1101-3694-NR
w/ Straight Handle
& long Back Plate

MODEL 1101-3693-NR
w/ L-Handle
& long Back Plate

EXPLODED VIEW

OVERSIZED BACK PLATE: Same as 1101-3634 & 1101-3624 Twistlocks except length & width of Back Plate.

FINISH: WELDABLE PRIMER
WEIGHT: 18.9 LBS / 8.6 Kg

• Non-handed design; locks to either left or right
• Cast steel Housing and forged steel Pin
• Oversized Back Plate for larger Bolster
• Stainless steel Latch Spring to eliminate bounce
• Grease Fitting

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10/11/21
**MODEL 1101-3829-NRS**
SPECIAL ORDER ONLY
for Oshkosh-made equipment

**MODEL 1101-3829-NRS-HDG**
SPECIAL ORDER ONLY
for Oshkosh-made equipment

**FINISH:** WELDABLE PRIMER or HDG
3829-NRS WEIGHT: 20.9 LBS / 9.5 Kg
3829-NRS-HDG WEIGHT: 19.9 LBS / 9 Kg

**EXPLODED VIEW**

- 1105-3829-2 PIN
- 1109-3829-1 HOUSING
- 1110-3533-19 LATCH SPRING
- 1110-4667-HDG LATCH PIN
- 1108-3529-18 LATCH
- 1110-4531-G5 HEX BOLT
- 1110-4511 LOCK NUT
- 1110-4503 GREASE FITTING (2 pcs.)
- 1110-4513-SS COTTER PIN
- 1110-4512-SS WASHER
- 1110-4501 DETENT BALL (2 pcs.)
- 1110-4502 DETENT SPRING

**WORKS WITH:** BUFFERS 1101-3629, 1101-3729 & 1101-3829 TWISTLOCKS
**MATERIAL:** CAST STEEL
**FINISH:** HOT-DIP GALVANIZED (HDG)
**WEIGHT:** 2.12 LBS / 0.96 Kg

- Non-handed design: locks to either left or right
- Cast steel Housing and forged steel Pin
- Screwdown Nut with Latch for tighter securing
- Stainless steel Latch Spring to eliminate bounce

**NOTE:** THE FOLLOWING PARTS ARE NOT INCLUDED IN 1105-3829-INNER:
- 1110-4501 Detent Ball (2 pcs.)
- 1110-4502 Detent Spring

**MODEL 1111-8122**
**WRENCH**

- 1110-3629-14 PIN NUT
- 1.3/16" 30 MM
- 4.1/8" 104.7 MM

**BUFFERS USA INC**
"The Intermodal Hardware Specialists"
TWISTLOCKS - CHASSIS TYPE
RETRACTABLE & NON-RETRACTABLE, SHORT
RETRACTED LENGTH, STRAIGHT or BENT HANDLE

MODEL 1101-3837-R
MODEL 1101-3837-NR
w/ Straight Handle & long Back Plate

MODEL 1101-3843-R
MODEL 1101-3843-NR
w/ L-Handle & long Back Plate

EXPLODED VIEW

OVERSIZED BACK PLATE

MODEL 1105-3837-INNER contains:
1105-3837-2 Pin
1110-3837-3 Shear Block
1110-3837-5 Guide Plate
1110-3335-19 Latch Spring
1110-4667 Latch Pin
1110-4768-QB Hex Bolt
1107-8533-4 Straight Handle
1105-3637-INNER-H* contains:
1110-3637-2-H Pin
1110-3637-3-H Shear Block
1110-3637-5-H Guide Plate

FINISH: WELDABLE PRIMER
3837-NR WEIGHT: 19.33 LBS / 8.77 Kg
3843-NR WEIGHT: 19.27 LBS / 8.74 Kg

- Non-handed design; locks to either left or right
- Cast steel Housing & forged steel Pin
- Easy conversion from Retractable to Non-Retractable
  w/ 1109-4515 Bushing
- Only 6-3/8" below deck in retracted position for extra tire clearance where needed
- Oversized Back Plate for larger Bolster
- Dual Grease Fittings

*ONLY FITS DISCONTINUED MODELS
1101-3137-R/-NR, 1101-3637-R/-NR & 1101-3643-R/-NR

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4/30/21
TWISTLOCKS - CHASSIS TYPE
NON-RETRACTABLE w/ LIGHT HOLES

CHASSIS

MODEL 1101-1131-L
for Rear Roadside
(& Front Curbside if 20’)
1 Light Hole

MODEL 1101-1131-R
for Rear Curbside
(& Front Roadside if 20’)
1 Light Hole

FINISH: WELDABLE PRIMER
WEIGHT: 22.9 LBS / 10.4 Kg

MODEL 1101-1131-L is shown dimensioned.
MODEL 1101-1131-R is the mirror opposite.

EXPLODED VIEW

• Cast steel Housing & forged steel Pin
• Meets AAR specifications for Rail use
• Dual Grease Fittings
• Ledge extended to protect Light

MODEL 1101-1131-L
MODEL 1101-1131-R

BUFFERS USA INC
“The Intermodal Hardware Specialists”

1101-19

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9/13/22
TWISTLOCKS – CHASSIS TYPE
NON-RETRACTABLE w/ LIGHT HOLES

EXPLODED VIEW

- Cast steel Housing & forged steel Pin
- Meets AAR specifications for Rail use
- Easily changed from left-hand to right-hand with no extra parts
- 3 Light Holes in Housings for added flexibility
- Unused Light Holes can be blanked off with 1110-1209 Rubber Hole Plug
- Dual Grease Fittings
- Ledges extended to protect Lights

MODEL 1101-1206-L is the mirror opposite (except for housing).

MODEL 1101-1206-R is shown dimensioned.

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9/13/22
EXPLODED VIEW

MODEL 1101-1207-L
- I.D. 2-5/16" Ø59 MM
- 2 Light Holes
- Finish: Weldable Primer
- Weight: 22.3 LBS / 10.1 Kg

MODEL 1101-1207-R
- I.D. 2-5/16" Ø59 MM
- 1 Light Hole
- Finish: Weldable Primer
- Weight: 22 LBS / 10 Kg

MODELS 1101-1207-75-L & 1101-1207-75-R
- I.D. 2-5/16" Ø59 MM
- 2 Light Holes
- Finish: Weldable Primer
- Weight: 22.5 LBS / 10.2 Kg

MODEL 1101-1207-275-L
- I.D. 2-5/16" Ø59 MM
- 2 Light Holes
- Finish: Weldable Primer
- Weight: 22.5 LBS / 10.2 Kg

MODEL 1101-1207-275-R
- I.D. 2-5/16" Ø59 MM
- 1 Light Hole
- Finish: Weldable Primer
- Weight: 22.5 LBS / 10.2 Kg

MODEL 1110-8400
- Ø2-5/16" light hole to Ø3/4" light hole
- Material: Cast Steel
- Finish: Weldable Primer
- Weight: 8400: 0.3 LBS / 0.136 Kg
- 8400-MOD: 0.33 LBS / 0.15 Kg

MODEL 1110-8674
- Converts Ø2-5/16" light hole to Ø3/4"
- Material: Steel
- Finish: Weldable Primer
- Weight: 0.28 LBS / 0.127 Kg

- • Cast steel Housing & forged steel Pin
- • Meets AAR specifications for Rail use
- • Easy-to-operate Gravity Latch
- • Angled corner for Side & Rear Light visibility
TWISTLOCKS - CHASSIS TYPE
NON-RETRACTABLE w/ LIGHT HOLES

FINISH: PRIMER
WEIGHT: 24.7 LBS / 11.2 Kg

FINISH: PRIMER
WEIGHT: 25.1 LBS / 11.4 Kg

- Cast steel Housing & forged steel Pin
- Meets AAR specifications for Rail use
- Easy-to-operate Gravity Latch
- Angled corner for Side & Rear Light visibility

CONVERTS Ø2-5/16" LIGHT HOLE TO Ø3/4"
MATERIAL: CAST STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 0.3 LBS / 0.136 Kg

CONVERTS Ø2-5/16" LIGHT HOLE TO Ø3/4"
MATERIAL: STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 0.28 LBS / 0.127 Kg
MODEL 1101-3817-LP-L is shown dimensioned.
MODEL 1101-3817-LP-R is the mirror opposite (w/ only one light hole).

EXPLODED VIEW

MODEL 1101-3817-LP-L
for Rear Roadside
(& Front Curbside if 20')
2 Light Holes
FINISH: PRIMER
WEIGHT: 24.3 LBS / 11 Kg

MODEL 1101-3817-LP-R
for Rear Curbside
(& Front Roadside if 20')
1 Light Hole
FINISH: PRIMER
WEIGHT: 24.7 LBS / 11.2 Kg

• Low-profile Pin Head works w/ low-clearance corner fittings on ALL 53’ containers in U.S. & Canadian markets
• Cast steel Housing & forged steel Pin
• Meets AAR specifications for Rail use
• Easy-to-operate Gravity Latch
• Angled corner for Side & Rear Light visibility

MODEL 1101-3817-LP-L/R Twistlocks are the same as 1101-3817-L/R Twistlocks except Pin Design.
### MODEL 1101-3206-ABS-L
for Rear Roadside
(& Front Curbside if 20')
3 Light Holes

**FINISH:** WELDABLE PRIMER  
**WEIGHT:** 26.2 LBS / 11.88 Kg

### MODEL 1101-3206-L
for Rear Roadside
(& Front Curbside if 20')
2 Light Holes

**FINISH:** WELDABLE PRIMER  
**WEIGHT:** 26.6 LBS / 12.07 Kg

- Heavy-duty cast steel Housing & forged steel Pin
- Meets AAR specifications for Rail use
- Easy-to-operate Gravity Latch
- Unused Light Holes can be blanked off with 1110-1209 Rubber Hole Plug
- Ledges extended to protect Lights

### MODEL 1110-8400
**LIGHT HOLE PLUG**  
Weld-on

**CONVERTS** Ø2-5/16" LIGHT HOLE TO Ø3/4"

**MATERIAL:** CAST STEEL  
**FINISH:** WELDABLE PRIMER  
**WEIGHT:** 0.3 LBS / 0.136 Kg

### MODEL 1110-8674
**LIGHT HOLE PLUG**  
Bolt-on

**CONVERTS** Ø2-5/16" LIGHT HOLE TO Ø3/4"

**MATERIAL:** STEEL  
**FINISH:** WELDABLE PRIMER  
**WEIGHT:** 0.28 LBS / 0.127 Kg

---

Explosion View

1105-3206-2 PIN

1109-3206-1-L-ABS HOUSING (3 Light Holes) used on 1101-3206-L Twistlock

1109-3206-1-L HOUSING (2 Light Holes) used on 1101-3206-L Twistlock

1109-3206-1-R HOUSING (2 Light Holes) used on 1101-3206-R Twistlock

1107-3206-4 HANDLE

1104-452 DETENT SPRING

1104-4501 DETENT BALL (2 pcs.)

1104-4503 GREASE FITTING

1108-1207-18 LATCH

1110-4556-GS HEX BOLT

1110-3706-19L LATCH SPRING for 1101-3206-R Twistlock

1110-3706-19R LATCH SPRING for 1101-3206-L Twistlock

1110-4551 HEX NUT

1110-4542 HEX NUT

1110-4769-G8 HEX BOLT

---

**MODEL 1101-3206-L** is shown dimensioned.  
**MODEL 1101-3206-R** is the mirror opposite.
**MODEL 1110-3207-L**  
**MODEL 1110-3207-R**  
*with High-profile Pin*

- Heavy-duty cast steel Housing & forged steel Pin
- Meets AAR specifications for Rail use
- Easy-to-operate Gravity Latch
- Unused Light Holes can be blanked off with 1110-1209 Rubber Hole Plug
- Angled corner for Side & Rear Light visibility

---

**EXPLODED VIEW**

- **1110-4501** DETENT BALL (2 pcs.)
- **1110-4502** DETENT SPRING
- **1110-4503** GREASE FITTING
- **1108-1207-18** LATCH
- **1110-4556-GS** HEX BOLT
- **1110-3706-19R** LATCH SPRING for 1101-3207-L Twistlock
- **1110-3706-19L** LATCH SPRING for 1101-3207-R Twistlock
- **1110-4511** HEX NUT
- **1107-3206-4** HANDLE
- **1105-3206-2** PIN

---

**MODEL 1110-8400**  
**LIGHT HOLE PLUG**  
*Weld-on*

- **D.O. 2-5/8" Ø66 MM**
- **1/8" 3.5 MM**

*CONVERTS 2-5/16" LIGHT HOLE TO 03/4"*  
**MATERIAL:** CAST STEEL  
**FINISH:** WELDABLE PRIMER  
**WEIGHT:** 0.3 LBS / 0.136 Kg

**MODEL 1110-8674**  
**LIGHT HOLE PLUG**  
*Bolt-on*

- **D.O. 3-1/8" Ø79.4 MM**  
- **x 3 HOLES**
- **1/8" 3.5 MM**

*CONVERTS 2-5/16" LIGHT HOLE TO 03/4"*  
**MATERIAL:** STEEL  
**FINISH:** WELDABLE PRIMER  
**WEIGHT:** 0.28 LBS / 0.127 Kg

---

**MODEL 1101-3207-L**  
**for Rear Roadside**  
(& Front Curbside if 20')  
2 Light Holes

**MODEL 1101-3207-R**  
**for Rear Curbside**  
(& Front Roadside if 20')  
1 Light Hole

---

**FINISH:** WELDABLE PRIMER  
**WEIGHT:** 27.8 LBS / 12.6 Kg

---

- **MODEL 1101-3207-R** is shown dimensioned.  
**MODEL 1101-3207-L** is the mirror opposite (w/ two light holes).
### EXPLODED VIEW

**MODEL 1101-3406-L**
- **FINISH**: WELDABLE PRIMER
- **WEIGHT**: 26.4 LBS / 11.98 Kg

**MODEL 1101-3406-L**
- **FINISH**: WELDABLE PRIMER
- **WEIGHT**: 26.8 LBS / 12.11 Kg

- Heavy-duty cast steel Housing & forged steel Pin
- Meets AAR specifications for Rail use
- Easy-to-operate Gravity Latch
- Unused Light Holes can be blanked off with 1110-1209 Rubber Hole Plug
- Ledges extended to protect Lights
- Fits most shallow Corner Castings

**MODEL 1110-3406**
- **LATCH SPRING**
- **GREASE FITTING**
- **HEX BOLT**
- **HEX NUT**
- **HANDLE**
- **DETECT BALL**
- **DETECT SPRING**

**MODEL 1110-8400**
- **LIGHT HOLE PLUG**
   - **Weld-on**
   - **CONVERTS Ø2.5/16" LIGHT HOLE TO Ø3/4"**
   - **MATERIAL**: CAST STEEL
   - **FINISH**: WELDABLE PRIMER
   - **WEIGHT**: 0.3 LBS / 0.136 Kg

**MODEL 1110-8674**
- **LIGHT HOLE PLUG**
   - **Bolt-on**
   - **CONVERTS Ø2.5/16" LIGHT HOLE TO Ø3/4"**
   - **MATERIAL**: STEEL
   - **FINISH**: WELDABLE PRIMER
   - **WEIGHT**: 0.28 LBS / 0.127 Kg
TWISTLOCKS - CHASSIS TYPE
NON-RETRACTABLE w/ LIGHT HOLES
HEAVY DUTY for SHALLOW CORNER CASTINGS
CHASSIS

MODEL 1101-3407-L
MODEL 1101-3407-R

MODEL 1101-3407-L
for Rear Roadside
(& Front Curbside if 20')
2 Light Holes

MODEL 1101-3407-R
for Rear Curbside
(& Front Roadside if 20')
1 Light Hole

FINISH: WELDABLE PRIMER
WEIGHT: 26.8 LBS / 12.2 Kg

• Heavy-duty cast steel Housing & forged steel Pin
• Meets AAR specifications for Rail use
• Easy-to-operate Gravity Latch
• Unused Light Holes can be blanked off with 1110-1209 Rubber Hole Plug
• Ledges extended to protect Lights
• Fits most shallow Corner Castings
• Angled corner for Side & Rear Light visibility

EXPLODED VIEW
MODEL 1101-3407-L is shown dimensioned.
MODEL 1101-3407-R is the mirror opposite (w/ only one light hole).

MODEL 1110-8400
LIGHT HOLE PLUG
Weld-on

CONVERTS Ø2.5/16" LIGHT HOLE TO Ø3/4"
MATERIAL: CAST STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 0.3 LBS / 0.136 Kg

MODEL 1110-8674
LIGHT HOLE PLUG
Bolt-on

CONVERTS Ø2.5/16" LIGHT HOLE TO Ø3/4"
MATERIAL: STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 0.28 LBS / 0.127 Kg

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9/13/22
TWISTLOCKS - CHASSIS TYPE
NON-RETRACTABLE w/ LIGHT HOLES

MODEL 1101-3606-L is the same as 1101-3606-LP except Pin Design.

SUB FOR: SCHULZ F33NS-XX
FINISH: WELDABLE PRIMER
WEIGHT: 28.3 LBS / 12.8 Kg

- Heavy-duty cast steel Housing & forged steel Pin
- Meets AAR specifications for Rail use
- Easy-to-operate Gravity Latch
- Unused Light Holes can be blanked off with 1110-1209 Rubber Hole Plug
- Ledges extended to protect Light

MODEL 1101-3606-R is shown dimensioned.
MODEL 1101-3606-L is the mirror opposite.

EXPLODED VIEW

MODLEL 1110-8400
LIGHT HOLE PLUG
Weld-on

CONVERTS Ø2.5/16" LIGHT HOLE TO Ø3/4"
MATERIAL: CAST STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 0.3 LBS / 0.136 Kg

MODEL 1110-8674
LIGHT HOLE PLUG
Bolt-on

CONVERTS Ø2.5/16" LIGHT HOLE TO Ø3/4"
MATERIAL: STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 0.28 LBS / 0.127 Kg

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9/19/22
**Twistlocks - Chassis Type**

**Non-Retractable w/ Light Holes**

**Chassis**

**Model 1101-3606-LP-L**

W/ Low-profile Head

**Model 1101-3606-LP-R**

**FINISH:** Weldable Primer

**WEIGHT:** 28.3 LBS / 12.8 Kg

- Heavy-duty cast steel Housing & forged steel Pin
- Meets AAR specifications for Rail use
- Easy-to-operate Gravity Latch
- Unused Light Holes can be blanked off with 1110-1209 Rubber Hole Plug
- Ledges extended to protect Light

---

**Model 1101-3606-LP-L**

For Rear Roadside (& Front Curbside if 20')

1 Light Hole

**Model 1101-3606-LP-R**

For Rear Curbside (& Front Roadside if 20')

1 Light Hole

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**Exploded View**

**Model 1101-3606-LP-R** is shown dimensioned. **Model 1101-3606-LP-L** is the mirror opposite.

---

**Model 1110-8400**

Light Hole Plug

Weld-on

**Model 1110-8674**

Light Hole Plug

Bolt-on

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9/10/22
TWISTLOCKS - CHASSIS TYPE  
with LIGHT HOLES

CHASSIS

MODEL 1101-3706-L

J.B. Hunt style w/ Low-profile Head

for Rear Roadside  
& Front Curb side if 20’
3 Light Holes

MODEL 1101-3706-L

for Rear Curb side  
& Front Roadside if 20’
2 Light Holes

SUB FOR: SCHULZ F33NS-LP-JBH-XX-2
FINISH: WELDABLE PRIMER
WEIGHT: 28 LBS / 12.7 Kg

• Heavy-duty cast steel Housing & forged steel Pin
• Meets AAR specifications for Rail use
• Easy-to-operate Gravity Latch
• Unused Light Holes can be blanked off with 1110-1209 Rubber Hole Plug
• Ledges extended to protect Lights

EXPLODED VIEW

1105-7470
PIN

1110-4549
DETENT BALL  
(2 pcs.)

1110-4550
DETENT SPRING

1110-4503
GREASE FITTING  
(2 pcs.)

1110-4773-G5
HEX BOLT

1108-1345
LATCH

1110-1344
HANDLE

1110-4511
HEX NUT

1107-1342
HEX NUT

1110-4542
HEX NUT

1109-3706-1-L
HOUSING  
for 1101-3706-L
Twistlock

1109-3706-1-R
HOUSING  
for 1101-3706-R
Twistlock

1110-3706-19L
LATCH SPRING  
for 1101-3706-L
Twistlock

1110-3706-19R
LATCH SPRING  
for 1101-3706-R
Twistlock

1110-8400
LIGHT HOLE PLUG
Weld-on

1110-8674
LIGHT HOLE PLUG
Bolt-on

CONVERTS Ø2-5/16” LIGHT HOLE TO Ø3/4”
MATERIAL: STEEL  
FINISH: WELDABLE PRIMER
WEIGHT: 0.28 LBS / 0.127 Kg

CONVERTS Ø2-5/16” LIGHT HOLE TO Ø3/4”
MATERIAL: CAST STEEL  
FINISH: WELDABLE PRIMER
WEIGHT: 0.3 LBS / 0.136 Kg

MODEL 1101-3706-R

for Rear Curb side  
& Front Roadside if 20’
2 Light Holes

BUFFERS USA INC
“The Intermodal Hardware Specialists”
TWISTLOCKS - CHASSIS TYPE
w/ LIGHT HOLES
CHASSIS

MODEL 1101-3707-L
MODEL 1101-3707-R
J.B. Hunt style w/ Low-profile Head

SUB FOR:
SCHULZ F33NS-45-LP-XX-JBH
FINISH: WELDABLE PRIMER
WEIGHT: 28 LBS / 12.7 Kg

• Cast steel Housing & forged steel Pin
• Meets AAR specifications for Rail use
• Easy-to-operate Gravity Latch
• Angled corner for Side & Rear Light visibility

MODEL 1101-3707-L
for Rear Roadside
(& Front Curbside if 20')
2 Light Holes

MODEL 1101-3707-R
for Rear Curbside
(& Front Roadside if 20')
1 Light Hole

EXPLODED VIEW

1110-8400
LIGHT HOLE PLUG
Weld-on

MODEL 1110-8674
LIGHT HOLE PLUG
Bolt-on

CONVERTS Ø2-5/16" LIGHT HOLE TO Ø3/4"
MATERIAL: CAST STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 0.28 LBS / 0.127 Kg

CONVERTS Ø2-5/16" LIGHT HOLE TO Ø3/4"
MATERIAL: STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 0.3 LBS / 0.136 Kg

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[return to Table of Contents]
TWISTLOCKS - EURO TYPE
RETRACTABLE, SWAP BODY
CHASSIS

MODEL 1101-1319

EXPLoded VIEW

FINISH: WELDABLE PRIMER
WEIGHT: 22.3 LBS / 10.1 Kg

- Special design that engages and retracts w/ Container still loaded on Chassis
- For use on ISO Standard Chassis Trailers or Swap-Body Chassis
- Exceeds ADR 6.8.1.2 strength requirements
- Load criteria based on 18,000 Kg total mass, as specified by ADR 6.8.2.1.2

1105-1319-INNER CONTAINS:
1105-1319-2 PIN
1110-4501 DETENT BALL (4 pcs.)
1110-4502 DETENT SPRING (2 pcs.)
1109-1319-3 SHEAR BLOCK
1110-4588 GREASE FITTING (2 pcs.)
1110-1319-5 SUPPORT PLATE
1110-4587 SPLIT ROLL PIN

ALSO AVAILABLE: 1105-1316-INNER-HDG

BUFFERS USA INC
"The Intermodal Hardware Specialists"
TWISTLOCKS – EURO TYPE
RETRACTABLE SCREWDOWN, SWAP BODY CHASSIS

MODEL 1101-1320

FINISH: WELDABLE PRIMER
WEIGHT: 23.4 LBS / 10.61 Kg

- Special design that engages and retracts w/ Container still loaded on Chassis
- For use on ISO Standard Chassis Trailers or Swap-Body Chassis
- Exceeds ADR 6.8.1.2 strength requirements
- Load criteria based on 18,000 Kg total mass, as specified by ADR 6.8.1.2

1105-1320-INNER CONTAINS:
1105-1320-2 PIN (209 MM LONG UNDER HEAD)
1110-4501 DETENT BALL (4 pcs.)
1110-4502 DETENT SPRING (2 pcs.)
1110-4588 GREASE FITTING (2 pcs.)
1110-4586-G8.8 HEX BOLT
1110-4586-G8.8 HEX NUT
1109-1319-5 SUPPORT PLATE
1110-4587 SPLIT ROLL PIN
1109-1129-14 HAND NUT
1109-1129-14 HAND NUT
1107-1320-4 HANDLE

ALSO AVAILABLE: 1105-1320-INNER-MOD
w/ LONGER PIN (222 MM) UNDER HEAD.

BUFFERS USA INC
“The Intermodal Hardware Specialists”

904-696-0010
E-mail: sales@buffersusa.com

9/20/22
TWISTLOCKS - EURO TYPE
NON-RETRACTABLE SCREWDOWN
CHASSIS

Model 1101-3240-NRS
Blair style

- Non-handed design; locks to either left or right
- Euro-dimensioned Top & Back Plates
- Grease Fitting
- Cast Steel Housing & Forged Steel Pin
- Screwdown Nut for tighter securing

NOTE: Handle welded by installer.

Sub for: Blair 149
Finish: Weldable Primer
Weight: 18.1 LBS / 8.21 Kg

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904-696-0010
E-mail: sales@buffersusa.com

1101-34
9/21/22
TWISTLOCKS - EURO TYPE
NON-RETRACTABLE
CHASSIS

MODEL 1101-3541-NR

EXPLODED VIEW

1110-4501 DETENT BALL (2 pcs.)
1105-3534-2 PIN
1110-4502 DETENT SPRING
1110-4503 GREASE FITTING
1119-3541-1 HOUSING
1110-4514 LATCH PIN
1108-3534-18 LATCH
1110-4531-G5 HEX BOLT
1107-3133-4 HANDLE
1110-4511-J HEX JAM NUT
1110-4512 FLAT WASHER
1110-4513-SS COTTER PIN

SUB FOR: BLAIR 149/2NR, NSN 5325-01-487-5196, & REINKE 217222
FINISH: WELDABLE PRIMER
WEIGHT: 18.8 LBS / 8.53 Kg

• Non-handed design; locks to either left or right
• Euro-dimensioned Top & Back Plates
• Grease Fitting
• Cast Steel Housing & Forged Steel Pin

BUFFERS USA INC
“The Intermodal Hardware Specialists”
TWISTLOCK REPLACEMENT PARTS
FOR DISCONTINUED MODELS
CHASSIS | FLATBED TRAILERS

**MODEL 1101-1129-RS/NRS**
Replaced first by 3529-RS/NRS, then by 3629-RS/NRS (Chassis use) and 3729-RS/NRS (Flatbed Trailer use)

**MODEL 1101-1133-R/NR**
Replaced first by 3133-R/NR, then by 3533-R/NR, then by 3633-R/NR (Chassis use) and 3733-R/NR (Flatbed Trailer use)

**MODEL 1101-1217-L/R**
Replaced by 3817-L/R

**MODEL 1101-3133-R/NR**
Replaced first by 3533-R/NR, then by 3633-R/NR (Chassis use) and 3733-R/NR (Flatbed Trailer use)
TWISTLOCK REPLACEMENT PARTS FOR DISCONTINUED MODELS

CHASSIS | FLATBED TRAILERS

MODEL 1101-3137-R/NR
Replaced first by 3637-R/NR, then by 3837-R/NR

MODEL 1101-3187-R/NR
Replaced first by 3189-R/NR, then by 3190-R/NR, then by 3590-R/NR, then by 3690-R/NR

MODEL 1101-3189-R/NR
Replaced first by 3190-R/NR, then by 3590-R/NR, then by 3690-R/NR

MODEL 1101-3190-R/NR
Replaced first by 3590-R/NR, then by 3690-R/NR

*PLEASE NOTE: When replacing Pin, use 1105-3637-INNER-H w/ Guide Plate:

1105-3637-INNER-H contains:
1106-3637-2-H PIN
1110-4501 DETENT BALL (2 pcs.)
1110-4502 SPRING
1110-4548 SPLIT ROLL PIN
1109-3637-3-H SHEAR BLOCK
1110-4503 GREASE FITTINGS (2 pcs.)
1110-4640 GUIDE PLATE

HANDLE WELDED BY CUSTOMER
**MODEL 1101-3600-HA-KIT**

HEIGHT-ADJUSTABLE TWISTLOCK* w/ T-HANDLE (no Latch)

FINISH: PRIMER  WEIGHT: 45.6 LBS / 20.68 Kg

---

**IMPORTANT NOTICE**

*Canadian Customers:* In order to meet Canadian road regulations, a secondary lock is REQUIRED to ensure the 1101-3600-HA Twistlock (older style w/ round handle extension) does not rotate to the unlocked position:

See table below for Latch retrofit guide:

<table>
<thead>
<tr>
<th>Twistlock Assembly</th>
<th>Components Needed to Retrofit Latch Assy.***</th>
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<tbody>
<tr>
<td>MODEL 1101-3600-HA-KIT</td>
<td>1108-3600-HA-18-SL Latch for handle on round tube</td>
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</table>

** Only needed for longitudinal latch operation. Can use existing INNER if transversal latch operation works.

*** NOTE: Retrofit Installation Guide with detailed, step-by-step instructions is available; ask your Sales Representative.

---

**COMPONENTS USED ON 1101-3600-HA TWISTLOCKS** (old style w/ round handle extension):

**MODEL 1107-3600-4**

T-Handle

FINISH: PRIMER  WEIGHT: 1.4 LBS / 0.64 Kg

---

**MODEL 1105-3600-INNER**

Pin Assembly (older design w/ 1 Handle Bolt Hole)

FINISH: PRIMER  WEIGHT: 16.45 LBS / 7.46 Kg

---

**MODEL 1101-3600-HA-9-NH-KIT**

HEIGHT-ADJUSTABLE TWISTLOCK* w/ EXTENSION TUBE ONLY (no handle or latch)

FINISH: PRIMER  WEIGHT: 48.6 LBS / 22.04 Kg

---

**MODEL 1101-3600-29-91**

Pin Sleeve

**MODEL 1104-4594-G8**

Upper Hex Bolt

**MODEL 1110-4511**

Upper Hex Nut

**MODEL 1105-3600-29-112**

Pin Sleeve

**MODEL 1110-4594-G8**

Upper Hex Bolt

**MODEL 1110-4594-G8**

Lower Hex Bolt

---

**IMPORTANT NOTICE**

*Canadian Customers:* In order to meet Canadian road regulations, a secondary lock is REQUIRED to ensure the 1101-3600-HA Twistlock (older style w/ round handle extension) does not rotate to the unlocked position:

---

**COMPONENTS USED ON 1101-3600-HA TWISTLOCKS** (old style w/ round handle extension):

**MODEL 1107-3600-4**

T-Handle

FINISH: PRIMER  WEIGHT: 1.4 LBS / 0.64 Kg

---

**MODEL 1105-3600-INNER**

Pin Assembly (older design w/ 1 Handle Bolt Hole)

FINISH: PRIMER  WEIGHT: 16.45 LBS / 7.46 Kg

---

**IMPORTANT NOTICE**

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---

**COMPONENTS USED ON 1101-3600-HA TWISTLOCKS** (old style w/ round handle extension):

**MODEL 1107-3600-4**

T-Handle

FINISH: PRIMER  WEIGHT: 1.4 LBS / 0.64 Kg

---

**MODEL 1105-3600-INNER**

Pin Assembly (older design w/ 1 Handle Bolt Hole)

FINISH: PRIMER  WEIGHT: 16.45 LBS / 7.46 Kg

---

**IMPORTANT NOTICE**

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*** NOTE: Retrofit Installation Guide with detailed, step-by-step instructions is available; ask your Sales Representative.

---

**COMPONENTS USED ON 1101-3600-HA TWISTLOCKS** (old style w/ round handle extension):

**MODEL 1107-3600-4**

T-Handle

FINISH: PRIMER  WEIGHT: 1.4 LBS / 0.64 Kg

---

**MODEL 1105-3600-INNER**

Pin Assembly (older design w/ 1 Handle Bolt Hole)

FINISH: PRIMER  WEIGHT: 16.45 LBS / 7.46 Kg

---

**IMPORTANT NOTICE**

*Canadian Customers:* In order to meet Canadian road regulations, a secondary lock is REQUIRED to ensure the 1101-3600-HA Twistlock (older style w/ round handle extension) does not rotate to the unlocked position:

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---

**COMPONENTS USED ON 1101-3600-HA TWISTLOCKS** (old style w/ round handle extension):

**MODEL 1107-3600-4**

T-Handle

FINISH: PRIMER  WEIGHT: 1.4 LBS / 0.64 Kg

---

**MODEL 1105-3600-INNER**

Pin Assembly (older design w/ 1 Handle Bolt Hole)

FINISH: PRIMER  WEIGHT: 16.45 LBS / 7.46 Kg

---

**IMPORTANT NOTICE**

*Canadian Customers:* In order to meet Canadian road regulations, a secondary lock is REQUIRED to ensure the 1101-3600-HA Twistlock (older style w/ round handle extension) does not rotate to the unlocked position:

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** Only needed for longitudinal latch operation. Can use existing INNER if transversal latch operation works.

*** NOTE: Retrofit Installation Guide with detailed, step-by-step instructions is available; ask your Sales Representative.

---

**COMPONENTS USED ON 1101-3600-HA TWISTLOCKS** (old style w/ round handle extension):
TWISTLOCKS – DROP-IN TYPE
70° HANDLE ROTATION
CHASSIS

MODEL 1102-1257-R
MODEL 1102-1257-L
MODEL 1102-1257-LP-R
MODEL 1102-1257-LP-L

EXPLODED VIEW

FINISH: PRIMER
WEIGHT: 9.2 LBS / 4.17 Kg

- Standard locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS - DROP-IN TYPE
70° HANDLE ROTATION
CHASSIS

MODEL 1102-3027
Non-handed

1105-3027-2
PIN

1110-4502
DETENT SPRING

1110-4503
GREASE FITTING
(2 pcs.)

1110-4501
DETENT BALL
(2 pcs.)

1109-3027-1
HOUSING

1110-4927-SS
HEX BOLT

1107-3027-4
HANDLE

EXPLODED VIEW

FINISH: PRIMER
WEIGHT: 5.5 LBS / 2.5 Kg

- Compact design which can fit directly over pinlocks on front bolster of combo chassis
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
**MODEL 1102-3247-L**
for Front Curbside & Rear Roadside

**MODEL 1102-3247-R**
for Front Roadside & Rear Curbside

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>70° Handle Rotation</td>
<td>70º</td>
</tr>
<tr>
<td>5-3/8&quot;</td>
<td>136.1 MM</td>
</tr>
<tr>
<td>4-1/4&quot;</td>
<td>107.6 MM</td>
</tr>
<tr>
<td>7-1/8&quot;</td>
<td>180.2 MM</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>31.8 MM</td>
</tr>
<tr>
<td>1-1/16&quot;</td>
<td>27 MM</td>
</tr>
<tr>
<td>3-3/16&quot;</td>
<td>80.9 MM</td>
</tr>
<tr>
<td>O.D. 3/4&quot;</td>
<td>Ø19 MM</td>
</tr>
<tr>
<td>O.D. 3-3/16&quot;</td>
<td>Ø81 MM</td>
</tr>
</tbody>
</table>

**FINISH:** PRIMER

**WEIGHT:** 8.38 LBS / 3.8 Kg

- J.B. Hunt style for Thin Flange Container Fittings
- Does not lock over standard ISO Corner Fitting
- Dual Grease Fittings

**PLEASE NOTE:** Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE
70° HANDLE ROTATION
CHASSIS

MODEL 1102-3248-R
MODEL 1102-3248-L
J.B. Hunt style

MODEL 1102-3248-R
for Front Roadside & Rear Curbside

MODEL 1102-3248-L
for Front Curbside & Rear Roadside

EXPLoded VIEW

1110-4501 DETENT BALL (2 pcs.)
1110-4502 DETENT SPRING
1110-4503 GREASE FITTING (2 pcs.)
1110-4524-G5 HEX BOLT
1107-3248-4 HANDLE
1110-1257-2 PIN
1109-3248-1 HOUSING
1110-4511 LOCK NUT

FINISH: PRIMER
WEIGHT: 9.48 LBS / 4.3 Kg

• J.B. Hunt style for Thin Flange Container Fittings
• Does not lock over standard ISO Corner Fitting
• Dual Grease Fittings

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE
70° HANDLE ROTATION
CHASSIS

MODEL 1102-3257-R
for Front Roadside & Rear Curbside

MODEL 1102-3257-L
for Front Curbside & Rear Roadside

EXPLODED VIEW

- Same as 1102-1257-L/-R except for longer handle
- Standard locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

FINISH: PRIMER
WEIGHT: 8.45 LBS / 3.83 Kg

BUFFERS USA INC
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TWISTLOCKS – DROP-IN TYPE
70° HANDLE ROTATION
CHASSIS

MODEL 1102-3267-R
for Front Roadside & Rear Curbside

MODEL 1102-3267-L
for Front Curbside & Rear Roadside

EXPLODED VIEW

FINISH: WELDABLE PRIMER
WEIGHT: 9.3 LBS / 4.2 Kg

- Standard locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding
- Approved for use on Maersk chassis

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE
70° HANDLE ROTATION
CHASSIS

**MODEL 1102-3557-R**
for Front Roadside & Rear Curbside

**MODEL 1102-3557-L**
for Front Curbside & Rear Roadside

---

**EXPLoded VIEW**

- 1110-4549 DETENT BALL (2 pcs.)
- 1110-4550 DETENT SPRING
- 1105-3557-2 PIN
- 1110-4503 GREASE FITTING (2 pcs.)
- 1110-4524-G5 HEX BOLT
- 1110-4511 LOCK NUT
- 1107-1257-4 HANDLE
- 1109-1257-1 HOUSING

**FINISH:** PRIMER

**WEIGHT:** 10.6 LBS / 4.81 Kg

- Standard locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding
- Approved for use on Maersk chassis
- High Cone design

**PLEASE NOTE:** Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

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1102-7
12/1/20
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION
CHASSIS

MODEL 1102-1259-R
MODEL 1102-1259-L

PLEASE NOTE:
Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE

90° HANDLE ROTATION

CHASSIS

MODEL 1102-1690-R
for Front Bolster, Roadside

MODEL 1102-1690-L
for Front Bolster, Curbside

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION
CHASSIS

**SPECIAL ORDER ONLY**

**MODEL 1102-1691**

**FINISH:** PRIMER

**WEIGHT:** 7.57 LBS / 3.43 Kg

- Designed for Front Bolsters w/ limited space
- High locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding

**PLEASE NOTE:** Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

---

**EXPLODED VIEW**

- **1110-4501 DETENT BALL** (2 pcs.)
- **1110-4502 DETENT SPRING**
- **1110-4503 GREASE FITTING** (2 pcs.)
- **1110-4511 LOCK NUT**
- **1110-4511 HEX BOLT**
- **1107-1691-4 HANDLE**
- **105-1691-2 PIN**
- **1109-1690-1 HOUSING**

---

BUFERS USA INC

“The Intermodal Hardware Specialists”
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION
CHASSIS

MODEL 1102-3229-R
for Front Roadside & Rear Curbside

MODEL 1102-3229-L
for Front Curbside & Rear Roadside

FINISH: PRIMER
WEIGHT: 9.15 LBS / 4.15 Kg

- Standard locking clearance
- Dual Grease Fittings
- Handle designed for narrow Bolsters w/ limited space

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION
CHASSIS

**MODEL 1102-3258**

**FINISH:** PRIMER  
**WEIGHT:** 8.28 LBS / 3.76 Kg

- Standard locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding

**PLEASE NOTE:** Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION, LOW PROFILE
CHASSIS

MODEL 1102-3259-R
for Front Roadside
& Rear Curbside

MODEL 1102-3259-L
for Front Curbside
& Rear Roadside

FINISH: PRIMER
WEIGHT: 8.78 LBS / 3.98 Kg

- Standard locking clearance
- Low-profile Head for shallow Container Fittings
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION, LOW PROFILE
CHASSIS

MODEL 1102-3260-R
MODEL 1102-3260-L

1102-3260-R
for Front Roadside & Rear Curbside

1102-3260-L
for Front Curbside & Rear Roadside

FINISH: PRIMER
WEIGHT: 9.5 LBS / 4.31 Kg

- Standard locking clearance
- Low-profile Head for shallow Container Fittings
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION
CHASSIS

MODEL 1102-3261-R
for Front Roadside & Rear Curbside

MODEL 1102-3261-L
for Front Curbside & Rear Roadside

MODEL 1102-3261-R SHOWN DIMENSIONED
MODEL 1102-3261-L IS MIRROR OPPOSITE

EXPLDED VIEW

1110-4549 DETENT BALL (2 pcs.)
1110-4550 DETENT SPRING
1110-4503 GREASE FITTING (2 pcs.)
1110-4524-G5 HEX BOLT
1107-3260-4 HANDLE
1105-1257-2 PIN
1109-1257-1 HOUSING
1110-4511 LOCK NUT

FINISH: WELDABLE PRIMER
WEIGHT: 9 LBS / 4.08 Kg

- Standard locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION

MODEL 1102-3262-R
MODEL 1102-3262-L

MODEL 1102-3262-R
for Front Roadside & Rear Curbside

MODEL 1102-3262-L
for Front Curbside & Rear Roadside

PLEASE NOTE:
Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

- Standard locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding
- High Cone design

FINISH: PRIMER
WEIGHT: 10.27 LBS / 4.66 Kg
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION
CHASSIS

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

MODEL 1102-3269-R
for Front Roadside & Rear Curbside

MODEL 1102-3269-L
for Front Curbside & Rear Roadside

FINISH: WELDABLE PRIMER
WEIGHT: 9.26 LBS / 4.2 Kg

- Same as 1102-1259 Twistlocks except for Handle to Pin c/c
- Standard locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding

EXPLODED VIEW

1110-4769-G8
HEX BOLT

1102-1257-1
HOUSING

1110-4511
LOCK NUT

1107-3269-4
HANDLE

1110-4503
GREASE FITTING
(2 pcs.)

1110-4549
DETENT BALL
(2 pcs.)

1110-4510
DETENT SPRING

1105-1257-2
PIN

2-9/16" 65 MM
1-5/16" 33.5 MM
3-15/16" 100.5 MM
7" 178 MM
2-3/16" 55.2 MM
1-3/16" 30 MM
6-7/16" 164 MM
3-3/16" 80 MM
1-5/16" 33.5 MM
90º
2-9/16" 65 MM
TWISTLOCKS – DROP-IN TYPE
90° HANDLE ROTATION
CHASSIS

MODEL 1102-3559-R
for Front Roadside & Rear Curbside

MODEL 1102-3559-L
for Front Curbside & Rear Roadside

EXPLODED VIEW

- Standard locking clearance
- Dual Grease Fittings
- Weld chamfer on Housing
- Designed to hang straight for welding
- High Cone design

PLEASE NOTE: Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

MODEL 1102-3559-R

MODEL 1102-3559-L

FINISH: PRIMER
WEIGHT: 10.64 LBS / 4.8 Kg

BUFFERS USA INC
“The Intermodal Hardware Specialists”

904-696-0010
E-mail: sales@buffersusa.com

3/23/23
**DISCONTINUED DROP-IN TWISTLOCKS**

90° HANDLE ROTATION

**CHASSIS**

**MODEL 1102-3532-MOD-3/8-R**
for Front Roadside & Rear Curbside

**MODEL 1102-3532-MOD-3/8-L**
for Front Curbside & Rear Roadside

---

**EXPLODED VIEW**

- **1110-4502** DETENT SPRING
- **1110-4501** DETENT BALL (2 pcs.)
- **1109-3532-3-MOD-3/8** SHEARBLOCK
- **1110-4503** GREASE FITTING
- **1109-3532-1-MOD-3/8** HOUSING
- **1110-4511-J** HEX JAM NUT
- **1110-4768-G8** HEX BOLT
- **1107-1259-4** HANDLE

---

**NOTE:** USE 1105-1257-2 PIN for Aftermarket Pin replacement.

---

**FINISH:** PRIMER

**WEIGHT:** 12.17 LBS / 5.52 Kg

---

- Pin Head works with standard ISO 1161 corner fittings
- Designed for use on 20' & 40' chassis with a 3/8"-thick bolster
- Standard locking clearance

---

**PLEASE NOTE:** Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.

---

**BUFFERS USA INC**

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**904-696-0010**

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---

3/23/23
**PLEASE NOTE:** Not all Twistlocks are supplied with an integral handle latch. All Twistlocks should be outfitted with a handle latch upon installation. See section 1108 for latches that may work for your application.
<table>
<thead>
<tr>
<th>Diameter of Twi Pin (inches)</th>
<th>Length of Twi Pin Under Head</th>
<th>Item #</th>
<th>Penz #</th>
<th>Chassis Manufacturer(s) or Twistlock Model(s)</th>
<th>Handle Model(s)</th>
<th>Latch Model(s)</th>
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TWISTLOCK PINS
SORTED IN ORDER OF SIZE
CHASSIS | FLATBED TRAILERS
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<tr>
<th>Diameter of Twi Pin (inches)</th>
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<td>Penz 90-11, 90-11-OT, 90-11-OT/A</td>
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<td>Straight: 1107-3133-4/-4-HDG (forged), 1107-8533-4/-4-HDG (cast) OR Bent: 1107-8534-4/-4-HDG (forged), 1107-8543-4/-4-HDG (cast), 1107-8723-4/-4-HDG (cast)</td>
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<td>1105-1321</td>
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<td>Penz 90-32C-XX &amp; 90-32CABS-XX</td>
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<td>Penz 90-06-XX (newer style w/ Split Pin)</td>
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**SORTED IN ORDER OF SIZE**

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**BUFFERS USA INC**

"The Intermodal Hardware Specialists"
INNER PIN ASSEMBLIES
for NON-SCREWDOWN TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1105-1132-INNER
SOLD ONLY AS ASSEMBLY: Shear Block, Guide Plate, Handle Positioner, Detent Balls, Spring, Grease Fittings & Split Roll Pin (fitted onto Pin) are included.

FITS: BUFFERS 1101-1132 TWISTLOCK
MATERIAL: STEEL
FINISH: PRIMER or HOT-DIP GALVANIZED (HDG)
WEIGHT: 8.5 LBS / 3.86 Kg

MODEL 1105-1132-INNER-HDG
SPECIAL ORDER ONLY

FITS: BUFFERS 1101-1132 TWISTLOCK
MATERIAL: STEEL
FINISH: PRIMER or HOT-DIP GALVANIZED (HDG)
WEIGHT: 8.5 LBS / 3.86 Kg

MODEL 1105-1133-INNER
SOLD ONLY AS ASSEMBLY: Shear Block, Detent Balls (2), Spring, Grease Fitting & Split Roll Pin (fitted onto Pin) are included.

FITS: BUFFERS 1101-1133 TWISTLOCK
WORKS WITH: BUFFERS 1107-1133-4 HANDLE
MATERIAL: STEEL
FINISH: PRIMER
WEIGHT: 6.75 LBS / 3.06 Kg

MODEL 1105-1319-INNER

SOLD ONLY AS ASSEMBLY: Shear Block, Support Plate, Detent Balls (4), Springs (2), Grease Fittings (2) & Split Roll Pin (fitted onto Pin) are included.

FITS: BUFFERS 1101-1319 TWISTLOCK
WORKS WITH: BUFFERS 1107-3133-4 & 1107-8533-4 HANDLES
MATERIAL: STEEL
FINISH: PRIMER or HOT-DIP GALVANIZED (HDG)
WEIGHT: 8.35 LBS / 3.79 Kg
INNER PIN ASSEMBLIES
for NON-SCREWDOWN TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1105-2023-INNER
for Blair 151/2 twistlock

SOLD ONLY AS ASSEMBLY:
Shear Block, Detent Balls (2), Spring, Grease Fittings (2) & Split Roll Pin are included.

SUB FOR: BLAIR 1090/1000, PENZ 15-147 (Pin only)
FITS: BLAIR 151/2 TWISTLOCK
WORKS WITH: BUFFERS 1107-1542-A HANDLE & 1107-1542-B COLLAR
MATERIAL: STEEL  FINISH: PRIMER  WEIGHT: 7 LBS / 3.18 Kg

MODEL 1105-3133-INNER
for Buffers 3133, 3190 & 3423 Twistlocks

SOLD ONLY AS ASSEMBLY:
Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fittings (2) & Split Roll Pin (fitted onto Pin) are included.

FITS: BUFFERS 1101-3133-R/NR, 1101-3190-R/NR & 1101-3423-R/NR TWISTLOCKS
WORKS WITH: BUFFERS 1107-3133-4 & 1107-8533-4 STRAIGHT HANDLES
or 1107-3423-4 & 1107-8723-4 BENT HANDLES, 1108-3133-18 LATCH
MATERIAL: STEEL  FINISH: PRIMER or HOT-DIP GALVANIZED  WEIGHT: 6.6 LBS / 2.99 Kg

MODEL 1105-3152-INNER-HDG
for Buffers 3152 Twistlock

SOLD ONLY AS ASSEMBLY:
Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fittings (2) & Split Roll Pin (fitted onto Pin) are included.

FITS: BUFFERS 1101-3152 TWISTLOCK
WORKS WITH: BUFFERS 1107-3151-4 HANDLE & 1108-3151-18-PR LATCH
MATERIAL: STEEL  FINISH: PRIMER or HOT-DIP GALVANIZED  WEIGHT: 6.3 LBS / 2.9 Kg

BUFFERS USA INC
“The Intermodal Hardware Specialists”
### Inner Pin Assemblies

**Model 1105-3532-INNER**

- **For:** Buffers 3532 Series Retractable Twistlocks
- **Fits:** Buffers 1101-3532 Series Twistlocks
- **Works with:** Buffers 1107-3133-4 & 1107-8533-4 Straight Handles, 1107-3532-4-OS35 & 1107-3532-4-OS70 Extended Handles
- **Material:** Steel
- **Finish:** Primer
- **Weight:** 8 LBS / 3.63 Kg

**SOLD ONLY AS ASSEMBLY:**
- Shear Block, Guide Plate, Handle Positioner, Detent Balls (2), Spring, Grease Fitting & Split Roll Pin (fitted onto Pin) are included.

**Model 1105-3533 INNER**

- **For:** Buffers 3500, 3600 & 3700 Series Non-Screwdown Twistlocks (except for 3637 & 3643)
- **Fits:** Buffers 3500, 3600 (except for 3637 & 3643) & 3700 Series Non-Screwdown Twistlocks
- **Material:** Steel
- **Finish:** Primer or Hot-Dip-Galvanized
- **Weight:** 6.75 LBS / 3.1 Kg

**SOLD ONLY AS ASSEMBLY:**
- Shear Block, Guide Plate, Detent Balls, Spring, Grease Fittings & Split Roll Pin are included.

**Model 1105-3600-INNER**

- **For:** 1101-3600-HA Series Height-Adjustable Twistlocks
- **Fits:** 1101-3600-HA Series Height-Adjustable Twistlocks
- **Works with:** 1107-3600-4 & 1107-3600-4-SQ T-Handles; 1107-3600-4-9 (Older/round style) & 1107-3600-4-9-SQ (Newer/sq. style) Extension Tubes
- **Material:** Steel
- **Finish:** Self-Color
- **Weight:** 12.7 LBS / 5.76 Kg

**SOLD ONLY AS ASSEMBLY:**
- Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fittings (2) & Split Roll Pin (fitted onto Pin) are included.

**Compare against 1105-3133-INNER**

**Model 1105-3533-INNER HDG**

- **For:** Buffers 3500, 3600 & 3700 Series Non-Screwdown Twistlocks (except for 3637 & 3643)
- **Fits:** Buffers 3500, 3600 (except for 3637 & 3643) & 3700 Series Non-Screwdown Twistlocks
- **Material:** Steel
- **Finish:** Primer or Hot-Dip-Galvanized
- **Weight:** 6.75 LBS / 3.1 Kg

**SOLD ONLY AS ASSEMBLY:**
- Shear Block, Guide Plate, Detent Balls, Spring, Grease Fittings & Split Roll Pin are included.

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**Buffers USA Inc.**

“The Intermodal Hardware Specialists”

**E-mail:** sales@buffersusa.com

**Phone:** 904-696-0010

**6/16/22**
INNER PIN ASSEMBLIES
for NON-SCREWDOWN TWISTLOCKS
CHASSIS | FLATBED TRAILERS

**MODEL 1105-3633-INNER-HDG**

- **FOR:** 1101-3633-R-HDG TWISTLOCK WORKS WITH: 1107-3633-4-HDG & 1107-8533-4-HDG STRAIGHT HANDLES, 1108-3633-18-KIT-HDG LATCH
- **MATERIAL:** STEEL  **FINISH:** HOT-DIP GALVANIZED  **WEIGHT:** 6.77 LBS / 3.07 Kg

**SOLD ONLY AS ASSEMBLY:**
Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fittings (2) & Split Roll Pin (fitted onto Pin) are included.

**FITTED ASSEMBLY:**
BUFFERS 1101-3136-R/NR, 1101-3137-R/NR, 1101-3637-R/NR & 1101-3643-R/NR TWISTLOCKS WORKS WITH: 1107-8533-4 (straight) or 1107-8543-4 (bent) HANDLES, 1108-3633-18 LATCH
- **MATERIAL:** STEEL  **FINISH:** PRIMER  **WEIGHT:** 5.9 LBS / 2.68 Kg

**MODEL 1105-3637-INNER-H**

- **FOR:** 1101-3637-R-NR & 1101-3643-R-NR TWISTLOCKS WORKS WITH: 1107-8533-4 (straight) or 1107-8543-4 (bent) HANDLES
- **MATERIAL:** STEEL  **FINISH:** PRIMER  **WEIGHT:** 6.45 LBS / 2.93 Kg

**SOLD ONLY AS ASSEMBLY:**
Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fittings (2) & Split Roll Pin (fitted onto Pin) are included.

**FITTED ASSEMBLY:**
BUFFERS 1101-3136-R/NR, 1101-3137-R/NR, 1101-3637-R/NR & 1101-3643-R/NR TWISTLOCKS WORKS WITH: 1107-8533-4 (straight) or 1107-8543-4 (bent) HANDLES
- **MATERIAL:** STEEL  **FINISH:** PRIMER  **WEIGHT:** 6.45 LBS / 2.93 Kg

**MODEL 1105-3837-INNER**

- **FOR:** 1101-3837-R-NR & 1101-3843-R-NR TWISTLOCKS WORKS WITH: 1107-8533-4 (straight) or 1107-8543-4 (bent) HANDLES
- **MATERIAL:** STEEL  **FINISH:** PRIMER  **WEIGHT:** 6.45 LBS / 2.93 Kg

**SOLD ONLY AS ASSEMBLY:**
Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fittings (2) & Split Roll Pin (fitted onto Pin) are included.

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10/19/23
## INNER PIN ASSEMBLIES
for NON-SCREWDOWN TWISTLOCKS
CHASSIS | FLATBED TRAILERS

### SPECIAL ORDER ONLY
**MODEL 1105-6428-INNER**
for Holland GL-726-099-196 Retractable Twistlock

- **O.D.** 2-1/4” (56 MM)
- **I.D.** 1-3/8” (34.8 MM)
- **Length:** 6-1/4” (158 MM)
- **Weight:** 7.38 LBS / 3.35 Kg

**SUB FOR:** HOLLAND GL-726-099-198
**FITS:** HOLLAND GL-726-099-196 RETRACTABLE TWISTLOCK
**WORKS WITH:** BUFFERS 1107-6429-KIT HANDLE
**MATERIAL:** STEEL  **FINISH:** PRIMER

### SOLD ONLY AS ASSEMBLY:
Pin, Shear Block, Grease Fittings (2), Detent Balls (2), Spring & Bushing are included.

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### SPECIAL ORDER ONLY
**MODEL 1105-8311-INNER**
PIN ASSEMBLY for Retractable Twistlock, Complete w/ Handle welded as shown

- **O.D.** 2-1/4” (56 MM)
- **I.D.** 1-3/8” (34.8 MM)
- **Length:** 6-1/16” (158 MM)
- **Weight:** 11.35 LBS / 5.15 Kg

**MATERIAL:** STEEL  **FINISH:** PRIMER

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6/16/22
INNER PIN ASSEMBLIES
for NON-SCREWDOWN TWISTLOCKS
CHASSIS | FLATBED TRAILERS

8700-INNER PIN ASSEMBLY CONSISTS OF:
- 1105-8700-2 PIN
- 1105-3637-3-H SHEAR BLOCK
- 1110-3637-5-H GUIDE PLATE
- 1110-4501 DETENT BALLS (2 ea.)
- 1110-4502 DETENT SPRING
- 1110-4503 GREASE FITTINGS (2 ea.)
- 1110-4548 SPLIT ROLL PIN

ASSEMBLED AS SHOWN

ITEM # | PARTS / DESCRIPTION
--- | ---
1105-8700-INNER | Includes Pin, Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fittings (2), Split Roll Pin, Assembled

8700-INNER WEIGHT: 6.6 LBS / 2.99 Kg
8700-KIT WEIGHT: 9.06 LBS / 4.11 Kg

MODEL 1105-8700-INNER
SOLD ONLY AS ASSEMBLY:
Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fittings (2), Split Roll Pin,
Handle & Bolts are included.

MODEL 1101-8700-KIT
PIN ASSEMBLY for CIMC Housing:
Inner w/ Guide Plate, Latch & Handle

ITEM # | QTY. | PARTS / DESCRIPTION
--- | --- | ---
1105-8700-INNER | 1 | Includes Pin, Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fittings (2), Split Roll Pin, Assembled
1108-3633-18 | 1 | Latch
1110-4667 | 1 | Latch Pin
1110-4512 | 1 | Flat Washer
1110-3532-19 | 1 | Latch Spring
1110-4513-SS | 1 | Cotter Pin
1105-8459-4 | 1 | Handle
1110-4767-G8 | 1 | Hex Bolt
1110-4511-J | 1 | Hex Nut (Jam type) w/ Nylon Insert

PARTS / DESCRIPTION
- 4-11/16" | 119 MM
- 6-1/4" | 158.5 MM
- 5-1/2" | 139 MM
- 2-1/4" | 56 MM
- 3-11/16" | 94 MM
- O.D. 1-1/2" | Ø38 MM
- 5/4" | 19.5 MM
- 4-11/16" | 119 MM

BUFFERS USA INC
“The Intermodal Hardware Specialists”
### 1105-10 Inner Pin Assemblies

**Model 1105-1129-INNER**

- **Fits:** Buffers 1101-1129 Twistlock, Duraloc 1101-1150 Twistlock & West Lake 60-16 Twistlock w/ Buffers 1109-1129-60 Conversion Bushing
- **Works with:** Buffers 1107-1133-4 Handle
- **Material:** Steel
- **Finish:** Primer
- **Weight:** 6.77 LBS / 3.07 Kg

**Dimensions:**
- O.D. 1-1/2" Ø38 MM
- O.D. 1-1/4" Ø31.5 MM
- O.D. 1-3/16" Ø26 MM
- 2-1/4" Ø56 MM

**SOLD ONLY AS ASSEMBLY:**
Shear Block, Detent Balls, Spring, Grease Fittings, Hand Nut, Split Roll Pin, Handle & Bolts are included.

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**Model 1105-1320-INNER**

- **Fits:** Buffers 1101-1320, 1101-1320-RS-MOD Twistlocks
- **Works with:** 1107-1320-4 & 1107-8533-4 Handles
- **Material:** Steel
- **Finish:** Primer
- **Weight:** 10.3 LBS / 4.67 Kg

**Dimensions:**
- O.D. 1-1/2" Ø38 MM
- O.D. 1-1/2" Ø38 MM
- O.D. 8-1/4" Ø209.5 MM
- O.D. 8-3/4" Ø222.25 MM

**SOLD ONLY AS ASSEMBLY:**
Riser Block, Support Plate, Detent Balls (4), Springs (2), Grease Fittings (2), Split Roll Pin, Handle, Hex Bolt & Hex Lock Nut are included.

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**Model 1105-2008-KIT**

- **For:** Blair Screwdown Twistlock
- **Sub for:** Blair 1713 Pin & Blair 1010 Hand Nut
- **Fits:** Blair Twistlock
- **Material:** Steel
- **Finish:** Primer
- **Weight:** 6.1 LBS / 2.77 Kg

**Dimensions:**
- O.D. 1-1/2" Ø38 MM
- O.D. 2-1/4" Ø56 MM
- O.D. 1-3/16" Ø30 MM

**Note:** Handle to be welded by customer.

**Kit consists of:** 1105-2008 Pin, 1110-2009 Hand Nut & 1107-2008-4 Handle.

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**Phone:** 904-696-0010

**Date:** 10/25/23
INNER PIN ASSEMBLIES
for SCREWDOWN TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1105-2029-KIT
for Blair 149/NRS Twistlock

SUB FOR: BLAIR 1024 PIN, BLAIR 1010 HAND NUT
FITS: BUFFERS 1101-3529-RS/NRS, BLAIR 149/NRS TWISTLOCKS
WORKS WITH: BUFFERS 1107-1542-A ROUND HANDLE & 1107-1542-B COLLAR
MATERIAL: STEEL  FINISH: PRIMER  WEIGHT: 5.54 LBS / 2.51 Kg

MODEL 1105-3529-INNER
for Buffers 3529 Series Screwdown Twistlocks

SOLD ONLY AS ASSEMBLY: Shear Block, Detent Balls (2), Spring, Grease Fittings (2), Split Roll Pin, Handle & Nut Bolt are included.

FITs: BUFFERS 1101-3529-RS/NRS TWISTLOCKS
MATERIAL: STEEL  FINISH: PRIMER  WEIGHT: 8.45 LBS / 3.83 Kg

MODEL 1105-3539-INNER
w/ Handle

SOLD ONLY AS ASSEMBLY: Shear Block, Guide Plate, Detent Balls (2), Spring, Grease Fitting, Split Roll Pin, Handle Positioner, Handle & Bolts are included.

FITs: BUFFERS 1101-3539-RS/NRS TWISTLOCKS
MATERIAL: STEEL  FINISH: SELF-COLOR  WEIGHT: 6.6 LBS / 2.99 Kg

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INNER PIN ASSEMBLIES
for SCREWDOWN TWISTLOCKS
CHASSIS | FLATBED TRAILERS

FITS: BUFFERS 1101-3629-RS/NRS & 1101-3729-RS/NRS TWISTLOCKS
WORKS WITH: 1108-3529-18 LATCH
MATERIAL: STEEL
FINISH: PRIMER
WEIGHT: 6.6 LBS / 2.99 Kg

SOLD ONLY AS ASSEMBLY: Pin Nut, Shear Block, Detent Balls (2), Spring, Grease Fittings (2), Split Roll Pin, Handle, Hex Bolts & Hex Nut are included.

MODEL 1105-3629-INNER
MODEL 1105-3629-INNER-HDG
w/ Handle

MODEL 1105-3829-INNER
w/ Handle; does not include Detent Balls & Spring

SOLD ONLY AS ASSEMBLY: Pin, Screwdown Nut, Handle, Hex Bolt & Hex Lock Nut are included. Detent Balls (2) & Detent Spring are SOLD SEPARATELY.

FITS: BUFFERS 1101-3829-NRS TWISTLOCK
WORKS WITH: 1108-3529-18 LATCH
MATERIAL: STEEL
FINISH: PRIMER
WEIGHT: 6.4 LBS / 2.9 Kg

1105-12

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6/16/22
**MODEL 1105-1130SA-2**

**FITS:** BUFFERS 1101-1130SA SEMI-AUTOMATIC TWISTLOCK  
**WORKS WITH:** BUFFERS 1107-1130SA-4 HANDLE & 1108-1130SA-18 LATCH  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.85 LBS / 2.2 Kg

**MODEL 1105-1131-2**

**FITS:** BUFFERS 1101-1131, 1101-1206 & 1101-1207 Series TWISTLOCKS  
**WORKS WITH:** BUFFERS 1107-1131-4 & 1107-1207-4 HANDLE  
**SUB FOR:** PENZ 15-157, 15-161 & 15-162  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.85 LBS / 2.2 Kg

**MODEL 1105-1131-2-LP**

**FITS:** BUFFERS 1101-1207-LP-L/R TWISTLOCKS  
**WORKS WITH:** BUFFERS 1107-1207-4 HANDLE  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.89 LBS / 2.22 Kg

---

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1105-13

11/16/22
**MODEL 1105-1131-29**

**PIN SLEEVE** for Buffers 1131, 1206 & 1207 Series Twistlocks

**FITS:** BUFFERS 1101-1131, 1101-1206 & 1101-1207 SERIES

**WORKS WITH:** BUFFERS 1105-1131-2 PIN

**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 0.93 LBS / 0.42 Kg

**MODEL 1105-1132-2**

**PIN SLEEVE** for Buffers 1131, 1206 & 1207 Series Twistlocks

**FITS:** BUFFERS 1101-1131, 1101-1206 & 1101-1207 SERIES

**WORKS WITH:** BUFFERS 1105-1131-2 PIN

**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 0.93 LBS / 0.42 Kg

**MODEL 1105-1132-2-MOD**

**Drilled perpendicular to standard**

**FITS:** BUFFERS 1101-1132 & 1101-1132-OS-R TWISTLOCKS

**WORKS WITH:** BUFFERS 1107-1133-4 & 1107-1132-4OS HANDLES

**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.41 LBS / 2 Kg

*NOTE:* This Twistlock Pin is used for SPECIAL HANDLE POSITION REQUIREMENTS ONLY.
### TWISTLOCK PINS

**Model: 1105-1133-2**

- **Fits:** Buffers 1101-1130, 1101-1133, 1101-1187, 1101-1423 & Duraloc 1133, 1140 Twistlocks
- **Works With:** Buffers 1107-1130-4, 1107-1133-4, 1107-1187-4 & 1107-1423-4 Handles
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 4.15 Lbs / 1.88 Kg

**Model: 1105-1148-2**

Drop-In Type

- **Sub For:** Penz 15-160 & 15-162-C
- **Fits:** Buffers 1102-1148, 1102-1235, 1102-1236, 1102-3270 & 1102-3290 Drop-In Twistlocks
- **Works With:** Buffers 1107-1148-4, 1107-1207-4 & 1107-3270-4 Handles
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 3.75 Lbs / 1.7 Kg

**Model: 1105-1217-2**

- **Fits:** Buffers 1101-1217-L/R Twistlocks
- **Works With:** Buffers 1107-1207-4 Handle & 1108-1207-18 Latch
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 4.95 Lbs / 2.25 Kg

---

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12/5/22
**MODEL 1105-1257-2** Drop-In type

**SUB FOR:** PENZ 15-69 & WEST LAKE 1780  
**FITS:** BUFFERS 1102-1257, 1102-1259, 1102-3229, 1102-3248, 1102-3257, 1102-3258, 1102-3261, 1102-3267 & SCHULZ F66NS-XX, F77ANS DROP-IN TWISTLOCKS  
**WORKS WITH:** BUFFERS 1107-1257-4, 1107-1259-4, 1107-1399-4, 1107-3229-4, 1107-3248-4, 1107-3257-4, 1107-8200, 1107-8533-4 HANDLES & 1108-1224-2L/R LATCHES  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 3.8 LBS / 1.72 Kg

---

**FOR LOW PROFILE (20MM), SEE MODEL 1105-7096**

---

**MODEL 1105-1301** for West Lake ML85-2/3 Twistlocks (older body style w/o washer)*

**SUB FOR:** PENZ 15-110 & WEST LAKE 1220-2/3  
**FITS:** WEST LAKE ML85-2/3 TWISTLOCKS (older body style w/o washer)*  
**WORKS WITH:** BUFFERS 1107-1269-L/R HANDLES & 1108-1271-L/R LATCHES  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.9 LBS / 2.2 Kg

---

**MODEL 1105-1319-2**

**FITS:** BUFFERS 1101-1319 TWISTLOCK  
**WORKS WITH:** BUFFERS 1107-3133-4 & 1107-8533-4 HANDLES  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.85 LBS / 2.2 Kg

---

*NOTE:* This Pin fits the West Lake ML85-2/3 Twistlocks w/ *OLDER* Body style (w/o washer). Compare against Model 1105-2037 Pin, for use w/ *NEWER* Body style (w/ washer).
TWISTLOCK PINS
CHASSIS | FLATBED TRAILERS

MODEL 1105-1321
for West Lake 85-4 & 85-5 Twistlocks
SUB FOR: PENZ 15-128 & WEST LAKE 1220-4/5
FITS: WEST LAKE 85-4 & 85-5 TWISTLOCKS
WORKS WITH: BUFFERS 1107-1300-L/R HANDLES & 1109-1271 LATCH
MATERIAL: FORGED STEEL  FINISH: PRIMER  WEIGHT: 4.95 LBS / 2.25 Kg

MODEL 1105-1351
for Strick chassis
SUB FOR: PENZ 15-41  WORKS WITH: BUFFERS 1107-1387 & 1107-1480 HANDLES
MATERIAL: FORGED STEEL  FINISH: PRIMER  WEIGHT: 5.08 LBS / 2.3 Kg

MODEL 1105-1356-L  MODEL 1105-1356-R
for Hyundai chassis
SUB FOR: PENZ 15-96-XX  WORKS WITH: BUFFERS 1107-1353 HANDLE
MATERIAL: FORGED STEEL  FINISH: PRIMER  WEIGHT: 5.18 LBS / 2.35 Kg

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1105-17
10/25/23
**MODEL 1105-1359**

Undrilled for Utility chassis

- O.D. 1-1/2" Ø38.1 MM
- 5/8" 15.9 MM
- 5-3/4" 146.1 MM
- O.D. 1-1/4" Ø31.8 MM

**SUB FOR:** PENZ 15-56

**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.81 LBS / 2.18 Kg

**MODEL 1105-1389**

6” PIN for Fruehauf chassis

- I.D. 3/4" Ø19.5 MM
- 3-7/8" 98.4 MM
- 6" 152.4 MM
- O.D. 1-3/4" Ø44.5 MM

**SUB FOR:** PENZ 15-36-A  
**WORKS WITH:** BUFFERS 1107-1394 HANDLE  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 6.63 LBS / 3.01 Kg

**MODEL 1105-1390**

4” PIN for Fruehauf chassis

- O.D. 2-1/4" Ø57.2 MM
- 1/4" 6.4 MM
- 3-1/8" 79.4 MM
- 4-1/4" 108 MM
- I.D. 3/4" Ø19.8 MM
- O.D. 1-3/4" Ø44.5 MM

**SUB FOR:** PENZ 15-36-B  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 5.4 LBS / 2.45 Kg

---

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12/5/22
**TWISTLOCK PINS**

**CHASSIS | FLATBED TRAILERS**

---

**MODEL 1105-1408-L**
**MODEL 1105-1408-R**

for Strick chassis

- **O.D.**: 2-1/4” Ø57.2 MM
- **I.D.**: 9/16” Ø14.3 MM
- **2”**: 50.8 MM
- **2-15/16”**: 74.6 MM
- **5/8”**: 15.9 MM
- **4-9/16”**: 115.9 MM
- **1-5/8”**: 41.3 MM

**SUB FOR**: PENZ 15-59-XX
**WORKS WITH**: BUFFERS 1107-1387, 1107-1480 & 1107-2031 HANDLES
**MATERIAL**: FORGED STEEL  **FINISH**: PRIMER  **WEIGHT**: 5.4 LBS / 2.45 Kg

---

**MODEL 1105-1447**

for Buffers 3606 & Schulz F33NS Twistlocks

- **O.D.**: 1-1/2” Ø38 MM
- **I.D.**: 1/2” Ø12.5 MM
- **1-1/2”**: 49.3 MM
- **1/16”**: 1.5 MM
- **7.9/16”**: 192 MM

**SUB FOR**: PENZ 15-68  **WORKS WITH**: BUFFERS 1101-3606-L/R & SCHULZ F33NS-XX TWISTLOCKS
**MATERIAL**: FORGED STEEL  **FINISH**: PRIMER  **WEIGHT**: 6.3 LBS / 2.86 Kg

---

**MODEL 1105-1448-L**
**MODEL 1105-1448-R**

for Budd chassis

- **O.D.**: 1-3/4” Ø44.5 MM
- **I.D.**: 1-5/8” Ø41.3 MM
- **5/8”**: 15.9 MM
- **6-1/2”**: 165.1 MM
- **4-5/16”**: 109.5 MM

**SUB FOR**: PENZ 15-63-XX  **MATERIAL**: FORGED STEEL  **FINISH**: PRIMER  **WEIGHT**: 6.3 LBS / 2.86 Kg

---

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12/5/22
**MODEL 1105-1449**

for J.B. Hunt chassis

**SUB FOR:** PENZ 15-115F

**FITS:** PENZ 90-34-XXF & 90-36-XXF TWISTLOCKS

**WORKS WITH:** BUFFERS 1107-1400-L/R HANDLES

**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 3.7 LBS / 1.68 Kg

---

**MODEL 1105-1450**

for Penz Drop-in Twistlocks

**SUB FOR:** PENZ 15-130F & 15-132

**FITS:** PENZ 90-36-H-XXF, 90-36/ST-XXF, 90-37-XXF & 90-43-XXF TWISTLOCKS

**WORKS WITH:** BUFFERS 1107-1400-L/R HANDLES

**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 3.75 LBS / 1.7 Kg

---

**MODEL 1105-1451**

for Theurer chassis

**SUB FOR:** PENZ 15-115F

**FITS:** PENZ 90-34-XXF & 90-36-XXF TWISTLOCKS

**WORKS WITH:** BUFFERS 1107-1400-L/R HANDLES

**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 5.6 LBS / 2.54 Kg
**SUB FOR:** PENZ 15-09  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 6.55 LBS / 2.97 Kg

**SUB FOR:** PENZ 15-28-A-XX  
**WORKS WITH:** BUFFERS 1107-1376 & 1107-1556 HANDLES, 1109-1566 RISER BLOCK & 1110-1641 SPRING  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 7.78 LBS / 3.53 Kg

**SUB FOR:** PENZ 15-86  
**FITS:** PENZ 90-05-XX & 90-05/A-XX TWISTLOCKS  
**WORKS WITH:** BUFFERS 1107-1344 HANDLE  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 5.03 LBS / 2.28 Kg

**SUB FOR:** PENZ 15-09  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 6.55 LBS / 2.97 Kg

---

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**TWISTLOCK PINS**

**CHASSIS | FLATBED TRAILERS**

**MODEL 1105-1458-L**
- **Model:** 1105-1458-L
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 4.52 lbs / 2.05 Kg
- **Works with:** Buffers 1107-1354 Handle
- **Sub for:** PENZ 15-57-XX
- **Model for:** SeaLand Chassis

**MODEL 1105-1458-R**
- **Model:** 1105-1458-R
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 4.63 lbs / 2.1 Kg
- **Works with:** Buffers 1107-1354 Handle
- **Sub for:** PENZ 15-57-XX
- **Model for:** SeaLand Chassis

**MODEL 1105-1461-L**
- **Model:** 1105-1461-L
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 4.63 lbs / 2.1 Kg
- **Works with:** Buffers 1107-1619 Handle
- **Sub for:** PENZ 15-45-XX
- **Model for:** Trailmobile Chassis

**MODEL 1105-1461-R**
- **Model:** 1105-1461-R
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 4.63 lbs / 2.1 Kg
- **Works with:** Buffers 1107-1619 Handle
- **Sub for:** PENZ 15-45-XX
- **Model for:** Trailmobile Chassis

**MODEL 1105-1462**
- **Model:** 1105-1462
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 6.05 lbs / 2.74 Kg
- **Sub for:** PENZ 15-75

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12/5/22
SUB FOR: PENZ 15-12
MATERIAL: FORGED STEEL
FINISH: PRIMER
WEIGHT: 8.6 LBS / 3.9 Kg

MODEL 1105-1507
for Budd & Gindy chassis

SUB FOR: PENZ 15-12
MATERIAL: FORGED STEEL
FINISH: PRIMER
WEIGHT: 8.6 LBS / 3.9 Kg

MODEL 1105-1508
for Penz 90-32-ABS Twistlock

SUB FOR: PENZ 15-123
FITS: PENZ 90-32ABS-XX TWISTLOCKS
WORKS WITH: BUFFERS 1107-1519-L/R HANDLES & 1108-1465 LATCH
MATERIAL: FORGED STEEL
FINISH: PRIMER
WEIGHT: 4.6 LBS / 2.09 Kg

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10/13/23
**Model 1105-1509**

For J.B. Hunt chassis

<table>
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**Sub For:** PENZ 15-124  
**Fits:** BUFFERS 1102-3247 & PENZ 90-33-XXF TWISTLOCKS  
**Works With:** BUFFERS 1107-1618-L/R HANDLES  
**Material:** FORGED STEEL  
**Finish:** PRIMER  
**Weight:** 3.67 LBS / 1.67 Kg

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**Model 1105-1510**

For Budd & Gindy chassis

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<td>2-1/4&quot;</td>
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**Sub For:** PENZ 15-31  
**Works With:** BUFFERS 1107-1386 HANDLE (Bent 90°)  
**Material:** FORGED STEEL  
**Finish:** PRIMER  
**Weight:** 6.7 LBS / 3.04 Kg

---

**Model 1105-1511**

For Budd & Gindy chassis

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</table>

**Sub For:** PENZ 15-32  
**Material:** FORGED STEEL  
**Finish:** PRIMER  
**Weight:** 6.5 LBS / 2.95 Kg

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12/13/22
**SUB FOR:** PENZ 15-49-XX  
**WORKS WITH:** BUFFERS 1107-1387 & 1107-1480 HANDLES  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 7.25 LBS / 3.29 Kg

**SUB FOR:** PENZ 15-84-XX  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 5.2 LBS / 2.36 Kg

**SUB FOR:** PENZ 15-43-XX  
**WORKS WITH:** BUFFERS 1107-1387 & 1107-1480 HANDLES  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 7.25 LBS / 3.29 Kg

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12/5/22
**TWISTLOCK PINS**

**CHASSIS | FLATBED TRAILERS**

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**MODEL 1105-1532**
for Miller chassis

- **SUB FOR:** PENZ 15-27
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.2 LBS / 1.91 Kg

---

**MODEL 1105-1533-L**
**MODEL 1105-1533-R**
for Budd chassis

- **SUB FOR:** PENZ 15-46-XX
- **WORKS WITH:** 1109-1492 RISER BLOCK
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.2 LBS / 1.91 Kg

---

**MODEL 1105-1538**
for Allied & Strick chassis

- **SUB FOR:** PENZ 15-54
- **WORKS WITH:** BUFFERS 1107-1388 HANDLE
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 6.6 LBS / 2.99 Kg

---

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1105-27

12/5/22
**SUB FOR:** PENZ 15-119  |  **MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  |  **WEIGHT:** 4.48 LBS / 2.03 Kg

**NOTE:** This Pin is used on the Blair 149/2NR Twistlock w/ ROUND Handle. Use model 1105-2445 Pin for FLAT Handle.

**MODEL 1105-1540**

- **SUB FOR:** BLAIR 1067 (for Round Handle)  
- **FITS:** BLAIR 149/2NR TWISTLOCK (w/ Round Handle)  
- **WORKS WITH:** BUFFERS 1107-1542-A ROUND HANDLE & 1107-1542-B COLLAR  
- **MATERIAL:** FORGED STEEL  
- **FINISH:** PRIMER  
- **WEIGHT:** 3.95 LBS / 1.79 Kg

**MODEL 1105-1543**

- **SUB FOR:** PENZ 15-126  
- **FITS:** PENZ 90-32C-XX & 90-32CABS-XX TWISTLOCKS  
- **WORKS WITH:** BUFFERS 1107-1728-L/R HANDLES  
- **MATERIAL:** FORGED STEEL  
- **FINISH:** PRIMER  
- **WEIGHT:** 4.98 LBS / 2.26 Kg

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12/6/22
**TWISTLOCK PINS**

**CHASSIS | FLATBED TRAILERS**

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**MODEL 1105-1555-L**

- **SUB FOR:** PENZ 15-116-XX
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.19 LBS / 1.9 Kg

---

**MODEL 1105-1555-R**

- **SUB FOR:** PENZ 15-28-B
- **WORKS WITH:** BUFFERS 1107-1376 & 1107-1556 HANDLES
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 7.3 LBS / 3.31 Kg

---

**MODEL 1105-1579**

- **SUB FOR:** PENZ 15-28-B
- **WORKS WITH:** BUFFERS 1107-1376 & 1107-1556 HANDLES
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 7.3 LBS / 3.31 Kg

---

**MODEL 1105-1616**

- **SUB FOR:** PENZ 15-311F
- **FITS:** PENZ 90-35-XXF & 90-35A-XX TWISTLOCKS
- **WORKS WITH:** BUFFERS 1107-1647-L/R (for 90-35) & 1107-7351-L/R (for 90-35A) HANDLES
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 3.59 LBS / 1.63 Kg

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12/6/22
TWISTLOCK PINS
CHASSIS | FLATBED TRAILERS

MODEL 1105-1636
for Penz 90-03 Drop-in Twistlock

SUB FOR: PENZ 15-78  FITS: PENZ 90-03 TWISTLOCK
WORKS WITH: BUFFERS 1107-1561 HANDLE  MATERIAL: FORGED STEEL
FINISH: PRIMER  WEIGHT: 3.87 LBS / 1.76 Kg

MODEL 1105-1637-10
MODEL 1105-1637-12
UNDRILLED w/ High Cone

SEE ALSO:
1105-1454 FOR 8-1/4" PIN HEIGHT

SUB 12" FOR: PENZ 15-79
MATERIAL: FORGED STEEL
FINISH: PRIMER
10" WEIGHT: 7.6 LBS / 3.45 Kg
12" WEIGHT: 8.5 LBS / 3.86 Kg

MODEL 1105-1661
for Penz 90-12 series Twistlocks

SUB FOR: PENZ 15-98  FITS: PENZ 90-12, 90-12-OT & 90-12-OT/A TWISTLOCKS
WORKS WITH: BUFFERS 1107-1725 & 1107-1726 HANDLES, 1108-1633 LATCH
MATERIAL: FORGED STEEL  FINISH: PRIMER  WEIGHT: 4.7 LBS / 2.13 Kg

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TWISTLOCK PINS
CHASSIS | FLATBED TRAILERS

**MODEL 1105-1662**
for Penz 90-07 & 90-16 series (newer style) Twistlocks

- **SUB FOR:** PENZ 15-105 & 15-139
- **FITS:** PENZ 90-07 & 90-16 SERIES TWISTLOCKS (newer style)
- **WORKS WITH:** BUFFERS 1107-1725 & 1107-1726 (/A models only) HANDLES, 1108-1633 LATCH
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 5.1 LBS / 2.31 Kg

**MODEL 1105-1663**
for Penz 90-16 series (older style) Twistlocks

- **SUB FOR:** PENZ 15-101
- **FITS:** PENZ 90-16, 90-16-OT, 90-16-OT/A TWISTLOCKS (older style)
- **WORKS WITH:** BUFFERS 1107-1725 & 1107-1726 HANDLES, 1108-1633 LATCH
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.7 LBS / 2.14 Kg

**MODEL 1105-1669**

- **SUB FOR:** PENZ 15-77
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.85 LBS / 2.2 Kg

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**MODEL 1105-1670**

For Trailmobile chassis

- **Fits:** Buffers 1102-1690-L/R Drop-in Twistlocks
- **Works With:** Buffers 1107-1690-4 Handle & 1108-1224-2L/2R Latch
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 3.26 LBS / 1.48 Kg

**Model 1105-1690-2**

For CIMC & Max-Atlas chassis, Buffers 1102-1690 Drop-in Twistlock

- **Fits:** Buffers 1102-1690-L/R Drop-In Twistlocks
- **Works With:** Buffers 1107-1690-4 Handle & 1108-1224-2L/2R Latch
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 3.26 LBS / 1.48 Kg

**Special Order Only**

**MODEL 1105-1691-2**

For Buffers 1102-1691 Drop-In Twistlock

- **Fits:** Buffers 1102-1691 Drop-In Twistlock (non-handed)
- **Works With:** Buffers 1107-1691-4 Handle
- **Material:** Forged Steel
- **Finish:** Primer
- **Weight:** 3.26 LBS / 1.48 Kg
TWISTLOCK PINS
CHASSIS | FLATBED TRAILERS

**MODEL 1105-1772**
UNDRLLED, 1” x 7”
SUB FOR: PENZ 15-05-A
MATERIAL: FORGED STEEL
FINISH: PRIMER
WEIGHT: 4.3 LBS / 1.95 Kg

**MODEL 1105-1773**
UNDRLLED, Low-Profile for Dorsey chassis
SUB FOR: PENZ 15-05-A
MATERIAL: FORGED STEEL
FINISH: PRIMER
WEIGHT: 4.3 LBS / 1.95 Kg

**MODEL 1105-1774**
for Budd & Gindy chassis
SUB FOR: PENZ 15-23
MATERIAL: FORGED STEEL
FINISH: PRIMER
WEIGHT: 7.2 LBS / 3.27 Kg

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**TWISTLOCK PINS**

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**MODEL 1105-1776**

for Penz 90-30/A Twistlock

- **SUB FOR:** PENZ 15-111-A
- **FITS:** PENZ 90-30/A-XX TWISTLOCKS
- **WORKS WITH:** BUFFERS 1107-1519-L/R HANDLES & 1108-1465 LATCH
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.78 LBS / 2.17 Kg

---

**MODEL 1105-1799**

for Schulz QA18NS Twistlock

- **FITS:** SCHULZ QA18NS TWISTLOCK
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.3 LBS / 1.9 Kg

---

**MODEL 1105-2008**

for Blair Screwdown Twistlock

- **SUB FOR:** BLAIR 1713
- **FITS:** BLAIR TWISTLOCK
- **MATERIAL:** STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.4 LBS / 2 Kg

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**1105-34**

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**MODEL 1105-2029**
for Blair 149/NRS Twistlock

**MODEL 1105-2029-MOD**
Modified to fit Buffers 1101-1240-NRS Twistlock

**SUB FOR:** BLAIR 1024  **FITS:** BUFFERS 1101-3240-NRS & BLAIR 149/NRS TWISTLOCKS
**WORKS WITH:** BUFFERS 1107-1542-A ROUND HANDLE & 1107-1542-B COLLAR
**MATERIAL:** STEEL  **FINISH:** PRIMER  **WEIGHT:** 4.03 LBS / 1.83 Kg

---

**MODEL 1105-2036**
for Allied & Trailco chassis

**SUB FOR:** PENZ 15-06  **WORKS WITH:** BUFFERS 1109-1498 & 1109-1502 RISER BLOCKS
**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 8.7 LBS / 3.95 Kg

---

**MODEL 1105-2037**
for West Lake ML85-2/3 Twistlocks (newer body style w/ washer)*

**SUB FOR:** PENZ 15-143  **FITS:** WEST LAKE ML85-2/3 TWISTLOCKS
(newer body style w/ washer)  **WORKS WITH:** BUFFERS 1107-1269-L/R HANDLES, 1108-1271-L/R LATCHES & 1110-4528 WASHER  **MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 4.5 LBS / 2.04 Kg

---

*NOTE:* The Pin fits West Lake ML85-2/3 Twistlocks w/ NEWER Body style (w/ washer). Compare against Model 1105-1301 Pin for use w/ OLDER Body style (w/o washer).

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TWISTLOCK PINS
CHASSIS | FLATBED TRAILERS

**MODEL 1105-2038-L**
**MODEL 1105-2038-R**
for Trailmobile chassis

<table>
<thead>
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<th>Measurement</th>
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**SUB FOR:** PENZ 15-20-XX  **MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 5.3 LBS / 2.4 Kg

**MODEL 1105-2039-L**
**MODEL 1105-2039-R**
for Budd & Trailmobile chassis

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**SUB FOR:** PENZ 15-37-XXF  **WORKS WITH:** BUFFERS 1107-1619 HANDLE  **MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 4.5 LBS / 2.04 Kg

**MODEL 1105-2040-L**
**MODEL 1105-2040-R**
for Fruehauf chassis & Penz 90-24 Twistlock

<table>
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**SUB FOR:** PENZ 15-66-1-XX  **FITS:** PENZ 90-24-XX TWISTLOCKS  **MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 2.6 LBS / 1.18 Kg

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1105-36

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MODEL 1105-2053
for Penz 90-10 Twistlock

SUB FOR: PENZ 15-100  FITS: PENZ 90-10-XX TWISTLOCKS
MATERIAL: FORGED STEEL  FINISH: PRIMER  WEIGHT: 6.25 LBS / 2.84 Kg

MODEL 1105-2054

SUB FOR: PENZ 15-114  MATERIAL: FORGED STEEL
FINISH: PRIMER  WEIGHT: 4.6 LBS / 2.09 Kg

MODEL 1105-2144
for CMCI 2106 chassis & Seaco container

WORKS WITH: BUFFERS 1107-2146-L/R-KIT HANDLES & 1108-2145 LATCH
MATERIAL: FORGED STEEL  FINISH: PRIMER  WEIGHT: 4.35 LBS / 1.97 Kg

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**Model 1105-2243-L**

- **For**: Budd & Utility chassis
- **Sub For**: PENZ 15-30
- **Material**: FORGED STEEL
- **Finish**: PRIMER
- **Weight**: 8.8 LBS / 3.99 Kg

**Model 1105-2243-R**

- **For**: Budd & Utility chassis
- **Sub For**: PENZ 15-30
- **Material**: FORGED STEEL
- **Finish**: PRIMER
- **Weight**: 4.4 LBS / 2 Kg

---

**Model 1105-2245**

- **Undrilled**: 1-3/4" x 5-3/4"
- **Sub For**: BLAIR 1027 & PENZ 15-11
- **Material**: FORGED STEEL
- **Finish**: PRIMER
- **Weight**: 6.5 LBS / 2.95 Kg

---

**Model 1105-2441**

- **For**: Brown chassis
- **Sub For**: PENZ 15-30
- **Material**: FORGED STEEL
- **Finish**: PRIMER
- **Weight**: 8.8 LBS / 3.99 Kg

---

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**NOTE:** This Pin is used on the Blair 149/2NR Twistlock w/ FLAT Handle. Use model 1105-1540 Pin for ROUND Handle.

**MODEL 1105-2445**
for Blair 149/2NR Twistlock (w/ Flat Handle)

- **SUB FOR:** BLAIR 1026 (for Flat Handle)
- **FITS:** BLAIR 149/2NR TWISTLOCK (w/ Flat Handle)
- **WORKS WITH:** BUFFERS 1107-1541 FLAT HANDLE
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 3.96 LBS / 1.8 Kg

**MODEL 1105-2476**
for Fruehauf chassis

- **SUB FOR:** PENZ 15-51
- **WORKS WITH:** BUFFERS 1107-1394 HANDLE paired w/ 1110-2477 CLEVIS BOLT + 1110-4551-SS COTTER PINS (2 pcs.), 1109-1504 RISER BLOCK
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 6.7 LBS / 3.04 Kg

**MODEL 1105-2545**
for Penz 90-09 Twistlock (newer style w/ Split Pin)

- **SUB FOR:** PENZ 15-137
- **FITS:** PENZ 90-09-XX TWISTLOCKS (newer style w/ Split Pin)
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.94 LBS / 2.24 Kg

**COMPARE AGAINST PIN 1105-2853**

---

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MODEL 1105-2671
for Penz 90-06 Twistlock (newer style w/ Split Pin)

SUB FOR: PENZ 15-135  FITS: PENZ 90-06-XX TWISTLOCKS (newer style w/ Split Pin)
MATERIAL: FORGED STEEL  FINISH: PRIMER  WEIGHT: 6.3 LBS / 2.86 Kg

MODEL 1105-2672
for Penz 90-08 Twistlock (newer style w/ Split Pin)

SUB FOR: PENZ 15-136  FITS: PENZ 90-08-XX TWISTLOCKS (newer style w/ Split Pin)
WORKS WITH: BUFFERS 1107-2776 HANDLE  MATERIAL: FORGED STEEL
FINISH: PRIMER  WEIGHT: 6.8 LBS / 3.08 Kg

MODEL 1105-2673
for Penz 90-11 series Twistlocks

SUB FOR: PENZ 15-94  FITS: PENZ 90-11, 90-11-OT, 90-11-OT/A TWISTLOCKS
WORKS WITH: BUFFERS 1107-2777 (for 90-11-OT/A) & 1107-7346 (for 90-11 & 90-11-OT) HANDLES
MATERIAL: FORGED STEEL  FINISH: PRIMER  WEIGHT: 5.24 LBS / 2.38 Kg

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**MODEL 1105-2841-L**

**MODEL 1105-2841-R**

for Strick chassis

**SUB FOR:** PENZ 15-42-XX  **WORKS WITH:** BUFFERS 1107-1387 & 1107-1480 HANDLES  
**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 7.9 LBS / 3.58 Kg

---

**MODEL 1105-2840-L**

**MODEL 1105-2840-R**

for Utility chassis

**SUB FOR:** PENZ 15-29-XX  **WORKS WITH:** BUFFERS 1107-1760 & PENZ 20-09-RD HANDLES  
**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 4.1 LBS / 1.86 Kg

---

**MODEL 1105-2850**

1" stem

**SUB FOR:** PENZ 15-25-B  **MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 4.2 LBS / 1.91 Kg

---

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MODEL 1105-2889
for Budd & Gindy chassis,
2" stem

SUB FOR: PENZ 15-35 MATERIAL: FORGED STEEL
FINISH: PRIMER WEIGHT: 8.7 LBS / 3.95 Kg

MODEL 1105-2919-10
UNDRILLED, 1-1/2" x 10'
Also available in 7" & 8" pin heights:
MODEL 1105-2919-7
MODEL 1105-2919-8

MATERIAL: FORGED STEEL FINISH: PRIMER 10" WEIGHT: 6.52 LBS / 2.96 Kg
8" WEIGHT: 5.51 LBS / 2.5 Kg 7" WEIGHT: 4.98 LBS / 2.26 Kg

MODEL 1105-2821
SPECIAL ORDER ONLY
UNDRILLED, High Cone,
1-15/16" stem

SUB FOR: PENZ 15-157 MATERIAL: FORGED STEEL
FINISH: PRIMER WEIGHT: 10.83 LBS / 4.91 Kg

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**MODEL 1105-2926**
for Continental chassis, 1" stem

SUB FOR: PENZ 15-25-A  
MATERIAL: FORGED STEEL  
FINISH: PRIMER  
WEIGHT: 4 LBS / 1.81 Kg

**MODEL 1105-2959-2**
for Buffers 1101-2959 Flatbed Height Extender Twistlock

FITS: BUFFERS 1101-2959 FLATBED HEIGHT EXTENDER TWISTLOCK  
WORKS WITH: BUFFERS 1107-2959-4 HANDLE & 1108-2959-18 LATCH TAB  
MATERIAL: FORGED STEEL  
FINISH: HOT-DIP GALVANIZED  
WEIGHT: 5.01 LBS / 2.27 Kg

**MODEL 1105-2995**

SUB FOR: PENZ 15-152  
MATERIAL: FORGED STEEL  
FINISH: PRIMER  
WEIGHT: 5 LBS / 2.27 Kg

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**MODEL 1105-2996**
for Utility chassis

**SUB FOR:** PENZ 15-53  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 5.4 LBS / 2.45 Kg

---

**MODEL 1105-3027-2**
for Buffers 3027 Drop-in Twistlock  
w/ 70° handle rotation

**FITS:** BUFFERS 1102-3027 DROP-IN TWISTLOCK  
**WORKS WITH:** BUFFERS 1107-3027-4 HANDLE  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 2.65 LBS / 1.2 Kg

---

**MODEL 1105-3133-2**
for Buffers 3133, 3190  
& 3423 Twistlocks

**SUB FOR:** PENZ 15-164F  
**FITS:** BUFFERS 1101-3133-R/NR, 1101-3190-R & 1101-3423-R/NR TWISTLOCKS  
**WORKS WITH:** BUFFERS 1101-3133-4 & 1101-3423-4 STRAIGHT HANDLES  
or 1107-3423-4 & 1107-8723-4 BENT HANDLES, 1108-3133-18Latch  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.3 LBS / 1.95 Kg

---

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**Model 1105-3187-2**

FITS: BUFFERS 1101-3136 series, 1101-3137-R/NR, 1101-3137-R/NR & 1101-3143-R/NR TWISTLOCKS

WORKS WITH: BUFFERS 1107-3133-4 & 1107-8533-4 STRAIGHT HANDLES or 1107-3643-4, 1107-8543-4 & 1107-8723-4 BENT HANDLES, 1108-3133-18 & 1108-3633-18 LATCHES

MATERIAL: FORGED STEEL  
FINISH: PRIMER  
WEIGHT: 3.8 LBS / 1.72 Kg

---

**Model 1105-3151-2**

SPECIAL ORDER ONLY

FITS: BUFFERS 1101-3151 SERIES & 1101-3152 TWISTLOCKS

WORKS WITH: BUFFERS 1107-3151-4 HANDLE & 1108-3151-18 LATCH

MATERIAL: FORGED STEEL  
FINISH: PRIMER or HOT-DIP GALVANIZED  
WEIGHT: 3.71 LBS / 1.68 Kg

---

**Model 1105-3187-2**

FITS: BUFFERS 1101-3187-R/NR TWISTLOCKS

WORKS WITH: BUFFERS 1107-3187-4 & 1107-8533-4 HANDLES, 1108-3187-18 LATCH

MATERIAL: FORGED STEEL  
FINISH: PRIMER  
WEIGHT: 3.9 LBS / 1.77 Kg

---

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**Model 1105-3206-2**

For Buffers 3206 & 3207 series Twistlocks

**Fits:** Buffers 1101-3206-L/R & 1101-3207-L/R Twistlocks

**Works with:** Buffers 1107-3206-4 Handle & 1108-3206-18 Latch

**Material:** Forged Steel

**Finish:** Primer

**Weight:** 6.18 Lbs / 2.8 Kg

**Dimensions:**
- O.D.: 1-1/2" Ø38.1 MM
- I.D.: 7/16" Ø11 MM
- 1-5/16" 33 MM
- 1-3/4" 45 MM
- 6-13/16" 173.5 MM
- 2-1/4" 57.2 MM

---

**Model 1105-3259-2**

For Buffers 1257-LP, 3259 & 3260 Drop-in Twistlocks w/ 90° handle rotation

**Fits:** Buffers 1102-1257-LP-L/R, 1102-3259-L/R & 1102-3260-L/R Drop-In Twistlocks

**Works with:** Buffers 1107-1257-4, 1107-1259-4, 1107-3260-4 Handles & 1108-1224-2L/R Latches

**Material:** Forged Steel

**Finish:** Primer

**Weight:** 3.65 Lbs / 1.66 Kg

**Dimensions:**
- O.D.: 2-1/8" Ø54 MM
- I.D.: 1/2" Ø13 MM
- 4-7/16" 112 MM
- 5-1/16" 129 MM
- 1-11/16" 26 MM
- 2-1/3" 71 MM

---

**Model 1105-3406-2-Mod**

Low-Profile / Cut Type for Crowley chassis

**Fits:** Buffers 1101-3406-L/R & 1101-3407-L/R Twistlocks

**Works with:** Buffers 1107-3206-4 Handle & 1108-1207-18 Latch

**Material:** Forged Steel

**Finish:** Primer

**Weight:** 5.25 Lbs / 2.38 Kg

**Dimensions:**
- O.D.: 1-1/2" Ø38.1 MM
- I.D.: 7/16" Ø11 MM
- 1-5/16" 33 MM
- 7-5/8" 194 MM
- 6-7/8" 173.5 MM
- 2-1/4" 57.2 MM

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**MODEL 1105-3529-2**
for Buffers 1101-3529 series
Screwdown Twistlocks

**FITS:** BUFFERS 1101-3529 SERIES SCREWDOWN TWISTLOCKS
**WORKS WITH:** 1110-3529-14 PIN NUT, BUFFERS 1107-3529-4 HANDLE,
1110-4531-G5 HEX BOLT & 1110-4511 HEX NUT
**MATERIAL:** FORGED STEEL
**FINISH:** PRIMER
**WEIGHT:** 4.65 LBS / 2.11 Kg

**MODEL 1105-3532-2**
for Buffers 3532 series
Retractable Twistlocks

**FITS:** BUFFERS 1101-3532 SERIES TWISTLOCKS
**WORKS WITH:** BUFFERS 1107-3133-4 & 1107-8533-4 STRAIGHT HANDLES
**MATERIAL:** FORGED STEEL
**FINISH:** PRIMER
**WEIGHT:** 5 LBS / 2.27 Kg

**MODEL 1105-3533-2**
for Buffers 3100, 3500, 3600 & 3700 series Non-Screwdown Twistlocks

**FITS:** BUFFERS 1101-3529 SERIES SCREWDOWN TWISTLOCKS
**WORKS WITH:** BUFFERS 1107-3133-4 & 1107-8533-4 STRAIGHT HANDLES,
1110-3529-14 PIN NUT, BUFFERS 1107-3529-4 HANDLE,
1110-4531-G5 HEX BOLT & 1110-4511 HEX NUT
**MATERIAL:** FORGED STEEL
**FINISH:** PRIMER
**WEIGHT:** 4.65 LBS / 2.11 Kg

**MODEL 1105-3533-2-HDG**
for Buffers 3100, 3500, 3600 & 3700 series Non-Screwdown Twistlocks

**FITS:** BUFFERS 1101-3133-R/NR, 1101-3190-R/NR, 1101-3523-R/NR, 1101-3533-R/NR, 1101-3590-R/NR, 1101-3623-R/NR,
1101-3633-R/NR, 1101-3690-R/NR, 1101-3695-R/NR & 1101-3733-R & SCHULZ QA15NS TWISTLOCKS
**WORKS WITH:** BUFFERS 1107-3133-4 & 1107-8533-4 STRAIGHT HANDLES, 1107-3533-4-OS70 & 1107-3533-4-OS127 EXTENDED HANDLES or 1107-3423-4, 1107-8543-4 & 1107-8723-4 BENT HANDLES, 1108-3133-18 & 1108-3633-18 LATCHES
**MATERIAL:** FORGED STEEL
**FINISH:** PRIMER
**WEIGHT:** 4.28 LBS / 1.94 Kg

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**FITS:** BUFFERS 1101-3524-NR, 1101-3534-NR, 1101-3541-NR, 1101-3593-NR, 1101-3594-NR, 1101-3624-NR, 1101-3634-NR & 1101-3694-NR NON-RETRACTABLE TWISTLOCKS

**WORKS WITH:** BUFFERS 1107-1257-4 & 1107-1259-4 STRAIGHT HANDLES or 1107-3643-4 & 1107-8723-4 BENT HANDLES, 1108-3534-18 LATCH

**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 4.02 LBS / 1.82 Kg

---

**Model 1105-3600-2**

**FITS:** 1101-3600-HA SERIES TWISTLOCKS  **WORKS WITH:** 1107-3600-4 & 1107-3600-4-SQ T-HANDLES; 1107-3600-4-9 (older/round style) & 1107-3600-4-9-SQ (newer/sq. style) EXTENSION TUBES

**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 9.4 LBS / 4.26 Kg

---

**Model 1105-3534-2**

**FITS:** most Buffers 3500 & 3600 series Non-Retractable Twistlocks

**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 4.02 LBS / 1.82 Kg

---

**Model 1105-3557-2**

**High Cone** for Buffers 3262, 3557 & 3559 Drop-in Twistlocks

**FITS:** BUFFERS 1102-3262-L/R, 1102-3557-L/R & 1102-3559-L/R TWISTLOCKS  **WORKS WITH:** BUFFERS 1107-1257-4, 1107-1259-4 & 1107-3260-4 HANDLES

**MATERIAL:** FORGED STEEL  **FINISH:** PRIMER  **WEIGHT:** 4.93 LBS / 2.23 Kg
**Model 1105-3817-2**

**Fits:** Buffers 3817 & 3817-18 Series Screwdown Twistlocks

**Works With:** 1105-3806-4 Bent Handle & 1108-3817-18 Latch

**Material:** Forged Steel  
**Finish:** Primer

**Weight:** 4.95 LBS / 2.25 Kg  
**HDG Weight:** 5.05 LBS / 2.29 Kg

---

**Model 1105-3629-2**

**Fits:** Buffers 1101-3629 & 1101-3729 Series Twistlocks

**Works With:** 1105-3629-2 PIN & 1105-3600-INNER PIN ASSEMBLY

**Material:** Forged Steel  
**Finish:** Primer

**Weight:** 4.65 LBS / 2.11 Kg  
**HDG Weight:** 4.85 LBS / 2.2 Kg

---

**Model 1105-51**

**Fits:** Buffers 1101-3817-L/R Twistlocks

**Works With:** 1107-3206-4 Bent Handle & 1108-3817-18 Latch

**Material:** Forged Steel  
**Finish:** Primer or HDG

**Weight:** 4.95 LBS / 2.25 Kg  
**HDG Weight:** 5.05 LBS / 2.29 Kg

---

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12/6/22
**MODEL 1105-3817-2-LP**
Low-Profile for Buffers 3817-LP Twistlocks

- **FITS:** BUFFERS 1101-3817-LP-L/R TWISTLOCKS
- **WORKS WITH:** 1107-3206-4 BENT HANDLE & 1108-3817-18 LATCH
- **MATERIAL:** FORGED STEEL  
  **FINISH:** PRIMER  
  **WEIGHT:** 4.92 LBS / 2.23 Kg

**MODEL 1105-3837-2**
Low-Profile for Buffers 3837 & 3843 series Twistlocks

- **FITS:** BUFFERS 1101-3837-R/NR & 3843-R/NR TWISTLOCKS
- **WORKS WITH:** 1107-8533-4 (straight) or 1107-8543-4 (bent) HANDLES & 1108-3633-18 LATCH
- **MATERIAL:** FORGED STEEL  
  **FINISH:** PRIMER  
  **WEIGHT:** 3.77 LBS / 1.71 Kg

**SPECIAL ORDER ONLY**
**MODEL 1105-6386**
for Flip-up / Tank chassis

- **FITS:** CHASSIS KING  
  **MATERIAL:** FORGED STEEL  
  **FINISH:** PRIMER  
  **WEIGHT:** 4.3 LBS / 1.95 Kg

---

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10/19/23
TWISTLOCK PINS
CHASSIS | FLATBED TRAILERS

**MODEL 1105-6387**
for Rear Hi-Lo / Tank chassis

**FITS:** CHASSIS KING  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 6.92 LBS / 3.14 Kg

---

**MODEL 1105-6388**
for Penz 90-02 series Twistlocks

**SUB FOR:** PENZ 15-85  
**FITS:** PENZ 90-02-XX & 90-02-A-XX TWISTLOCKS  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 6.1 LBS / 2.77 Kg

---

**MODEL 1105-6433**  
**MODEL 1105-6433-KIT**
for Holland Non-Retractable Twistlock

**FITS:** HOLLAND GL-726-099-195-GF NON-RETRACTABLE TWISTLOCK  
**PIN MATERIAL:** FORGED STEEL  
**PIN FINISH:** PRIMER  
**PIN WEIGHT:** 3.75 LBS / 1.72 Kg

---

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1105-53  
10/19/23
MODEL 1105-6462

- **Sub For:** PENZ 15-117
- **Material:** FORGED STEEL
- **Finish:** PRIMER
- **Weight:** 5.3 LBS / 2.4 Kg

MODEL 1105-6463

- **Sub For:** PENZ 15-117
- **Material:** FORGED STEEL
- **Finish:** PRIMER
- **Weight:** 6.1 LBS / 2.77 Kg

MODEL 1105-6474

- **Special Order Only**
- **Sub For:** PENZ 15-74
- **Material:** FORGED STEEL
- **Finish:** PRIMER
- **Weight:** 6.1 LBS / 2.77 Kg

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**MODEL 1105-6512**
for Brown & Dunham chassis

- **SUB FOR:** PENZ 15-10-A
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 8 LBS / 3.63 Kg

**MODEL 1105-6855-L**
**MODEL 1105-6855-R**
for Budd & Trailmobile chassis

- **SUB FOR:** PENZ 15-38-XX
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 3.55 LBS / 1.61 Kg

**MODEL 1105-7096**
Low-profile (20 MM) for West Lake ML85-2/3 Twistlocks

- **FOR STANDARD HEAD SIZE, SEE MODEL 1105-1301**
- **FITS:** WEST LAKE ML85-2/3 TWISTLOCKS (older body style w/o washer)
- **WORKS WITH:** BUFFERS 1107-1269-L/R HANDLES & 1108-1271-L/R LATCHES
- **MATERIAL:** FORGED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 4.9 LBS / 2.22 Kg

**NOTE:** This Pin fits the West Lake ML85-2/3 Twistlocks w/ OLDER Body style (w/o washer).
Compare against Model 1105-2037 Pin for use w/ NEWER Body style (w/ washer).
**Model 1105-7337**

**Sub For:** PENZ 15-14-A  
**Material:** FORGED STEEL  
**Finish:** PRIMER  
**Weight:** 5.18 LBS / 2.35 Kg

**Model 1105-7338-L**  
**Model 1105-7338-R**

**Sub For:** PENZ 15-81-XX  
**Material:** FORGED STEEL  
**Finish:** PRIMER  
**Weight:** 4.55 LBS / 2.06 Kg

**Model 1105-7339**

**Sub For:** PENZ 15-87  
**Fits:** PENZ 90-06 Series Twistlocks (older style w/ Retainer Ring)  
**Works With:** BUFFERS 1107-1344 HANDLE  
**Material:** FORGED STEEL  
**Finish:** PRIMER  
**Weight:** 4.95 LBS / 2.25 Kg

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1105-56

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10/19/23
**MODEL 1105-7340-L**

O.D. 1-1/2" Ø38.1 MM

1-1/2" 38.1 MM

3-3/8" 85.7 MM

4-5/8" 111.1 MM

**MODEL 1105-7340-R**

O.D. 1-1/2" Ø38.1 MM

1-1/2" 38.1 MM

3-3/8" 85.7 MM

4-5/8" 111.1 MM

**SUB FOR:** PENZ 15-125-XX  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.9 LBS / 2.22 Kg

---

**MODEL 1105-7341**

O.D. 2" Ø50.8 MM

1-1/4" 31.8 MM

1/16" 1.6 MM

1/16" 1.6 MM

7-9/16" 192.1 MM

6-13/16" 173 MM

I.D. 5/16" Ø7.9 MM

I.D. 1-1/2" Ø38.1 MM

**SUB FOR:** PENZ 15-159F  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.9 LBS / 2.22 Kg

---

**MODEL 1105-7353**

O.D. 2-3/16" Ø55 MM

1-1/2" 38.1 MM

3-3/8" 85.7 MM

4-5/8" 111.1 MM

**SUB FOR:** PENZ 15-125-XX  
**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.63 LBS / 2.1 Kg

---

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**904-696-0010**  
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**MODEL 1105-7400**

for Pratt GN2040EZ chassis

MATERIAL: FORGED STEEL  
FINISH: PRIMER  
WEIGHT: 4.14 LBS / 1.88 Kg

---

**MODEL 1105-7402**

for Pratt chassis, short stem

MATERIAL: FORGED STEEL  
FINISH: PRIMER  
WEIGHT: 4.14 LBS / 1.88 Kg

---

**MODEL 1105-7403**

UNDRAilled, High Cone, 2” x 6”

SUB FOR: PENZ 15-144  
MATERIAL: FORGED STEEL  
FINISH: PRIMER  
WEIGHT: 7.9 LBS / 3.58 Kg

---

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10/19/23
**MODEL 1105-7470**

For Buffers 3606-LP, 3706, 3707 series & Schulz F33NS-LP series Twistlocks

**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 5.2 LBS / 2.36 Kg

**FITS:** BUFFERS 1101-3606-LP-L/R, 1101-3706-L/R, 1101-3707-L/R, SCHULZ F33NS-LP-XX & F33NS-45-LP-XX TWISTLOCKS

**WORKS WITH:** 1107-1344 HANDLE & 1108-1345 LATCH

**MODEL 1105-7657**

**MATERIAL:** FORGED STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 4.37 LBS / 1.98 Kg

**SPECIAL ORDER ONLY**

**MODEL 1105-8459-2**

Low Profile for CIMC Housing

**WORKS WITH:** BUFFERS 1107-8459-4 HANDLE

**MATERIAL:** FORGED STEEL  
**FINISH:** WELDABLE PRIMER  
**WEIGHT:** 3.8 LBS / 1.72 Kg

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TWISTLOCK PINS
CHASSIS | FLATBED TRAILERS

MODEL 1105-8629

MATERIAL: FORGED STEEL
FINISH: RED PRIMER
WEIGHT: 4.5 LBS / 2.04 Kg

MODEL 1105-8640

SUB FOR: PENZ 15-14-C
MATERIAL: FORGED STEEL
FINISH: PRIMER
WEIGHT: 8.2 LBS / 3.72 Kg

MODEL 1105-8779

SUB FOR: PENZ 15-156F
FITS: PENZ 90-41-XXF & 90-41/ST-XXF TWISTLOCKS
WORKS WITH: BUFFERS 1107-1400-L/-R (for 90-41), 1107-1647-L/-R (for 90-41/ST) HANDLES
MATERIAL: FORGED STEEL
FINISH: RED PRIMER
WEIGHT: 4.47 LBS / 2.03 Kg

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# HANDLES for TWISTLOCKS

## CHASSIS | FLATBED TRAILERS

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<td>DURALOC 1101-1130</td>
<td>Buffers 1105-1133-2 Pin, 1110-4504-G5 Hex Bolt &amp; 1110-4505 Hex Lock Nut</td>
<td>Fab. Steel</td>
<td>Zinc-Plated</td>
<td>0.62 Lbs</td>
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<td>1107-1130SA-4</td>
<td>Twistlock Handle</td>
<td>O.D. Ø5/8&quot;</td>
<td>DURALOC 1101-1130SA</td>
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<td>Fab. Steel</td>
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<td>0.62 Lbs</td>
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<td>Twistlock Handle</td>
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<td>Fab. Steel</td>
<td>Zinc-Plated</td>
<td>0.6 Lbs</td>
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<td>1107-1132-4-OS28</td>
<td>Twistlock Handle</td>
<td>O.D. Ø5/8&quot;</td>
<td>Buffers 1101-1132 Series</td>
<td>Buffers 1105-1132-2 &amp; 1105-1132-2 Mod Pins, 1110-4504-G5 Hex Bolt &amp; 1110-4505 Hex Lock Nut</td>
<td>Fab. Steel</td>
<td>Zinc-Plated</td>
<td>0.65 Lbs</td>
</tr>
</tbody>
</table>

**SUB FOR**: Penz 20-127

**FITS**: Buffers 1101-1131-L/R & 1101-1206-L/R Twistlocks

**Works With**: Buffers 1105-1131-2 Pin, 1110-4504-G5 Hex Bolt & 1110-4505 Hex Lock Nut

**Material**: Fab. Steel

**Finish**: Zinc-Plated

**Weight**: 0.6 Lbs
**FITS:** BUFFERS 1101-1132 Series TWISTLOCKS

**WORKS WITH:** BUFFERS 1105-1132-2 & 1105-1132-2 MOD PINS, 1110-4504-G5 HEX BOLT & 1110-4505 HEX LOCK NUT

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 0.85 LBS
**model 1107-1207-4**
**Twistlock Handle**

- **I.D. Ø9/32”**
- **O.D. Ø5/8”**
- **O.D. 7/8”**
- **I.D. Ø9/32”**

**Sub for:** PENZ 20-126

**Fits:** BUFFERS 1101-1207 Series & 1217-L/R Twistlocks

**Works with:** BUFFERS 1105-1131-2 & 1105-1217-2 pins, 1108-1207-18 Latch, 1110-4504-G5 Hex Bolt & 1110-4505 Hex Lock Nut

**Material:** FAB. STEEL

**Finish:** ZINC-PLATED

**Weight:** 0.79 lbs

---

**Model 1107-1212-4**
**Pinlock Handle**

- **I.D. Ø9/32”**
- **O.D. Ø3/4”**
- **O.D. 55º**

**Sub for:** PENZ 20-65

**Fits:** BUFFERS 1103-1212-L/R Pinlocks

**Works with:** BUFFERS 1105-1212-2 pin, 1110-4504-G5 Hex Bolt & 1110-4505 Hex Lock Nut

**Material:** FAB. STEEL

**Finish:** ZINC-PLATED

**Weight:** 0.89 lbs

---

**Model 1107-1235-4**
**Twistlock Handle**

- **I.D. Ø9/32”**
- **O.D. Ø5/8”**
- **O.D. 7”**

**Fits:** BUFFERS 1102-1203A-L/R, 1102-1235-L/R & 1102-3290-L/R Drop-In Twistlocks

**Works with:** BUFFERS 1105-1148-2 pin, 1110-4504-G5 Hex Bolt & 1110-4505 Hex Lock Nut

**Material:** FAB. STEEL

**Finish:** ZINC-PLATED

**Weight:** 0.8 lbs

---

**Model 1107-1257-4**
**Twistlock Handle**

- **I.D. Ø1-17/32”**
- **O.D. Ø3/4”**
- **O.D. 1-5/32”**

**Sub for:** PENZ 20-65

**Fits:** BUFFERS 1102-1257 Series, 1102-3557-L/R & SCHULZ F77 Series Drop-In Twistlocks

**Works with:** BUFFERS 1105-1257-2 pin, 1105-3557-2 pins, 1110-4524-G5/G8 Hex Bolt & 1110-4511 Hex Lock Nut

**Material:** FAB. STEEL

**Finish:** ZINC-PLATED

**Weight:** 1.6 lbs

---

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12/10/20
MODEL 1107-1259-4
TWISTLOCK HANDLE

O.D. Ø1-9/16"
I.D. Ø1/2"
1-3/16"
3-3/16"
4-3/8"
7-1/2"

SUB FOR: PENZ 20-57
FITS: BUFFERS 1102-1259-L/R, 1102-3259-L/R & SCHULZ F66NS-XX DROP-IN TWISTLOCKS
WORKS WITH: BUFFERS 1105-1257-2 & 1105-3259-2 PINS, 1110-4524-G5/G8 HEX BOLT & 1110-4511 HEX LOCK NUT
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED  WEIGHT: 1.55 LBS

MODEL 1107-1269-L
MODEL 1107-1269-R
TWISTLOCK HANDLES

MODEL 1269-L HANDLE
O.D. Ø2-1/4"
I.D. Ø1-9/16"
3-1/16"
1108-1257-2 LATCHES, 1110-4504-G5 HEX BOLT & 1110-4505 HEX LOCK NUT
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED  WEIGHT: 0.85 LBS

MODEL 1269-R HANDLE
O.D. Ø1/4"
I.D. Ø1/2"

SUB FOR: PENZ 20-98-XX, WEST LAKE 1222-L/R  FITS: WEST LAKE ML85-2/3 TWISTLOCK
WORKS WITH: BUFFERS 1105-1301, 1105-2037 & 1105-7096 PINS, 1108-1271-L/R LATCHES, 1110-4504-G5 HEX BOLT & 1110-4505 HEX LOCK NUT
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED  WEIGHT: 0.85 LBS

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10/25/23
**Model 1107-1300-L**

**Model 1107-1300-R**

**Twistlock Handles**

- **Model 1107-1300-L**
- **Model 1107-1300-R**

**Handles**

For Pinlocks & Twistlocks

**Chassis | Flatbed Trailers**

**Handle Sub For:** PENZ 20-113-XX, WEST LAKE 1222-L/R  
**Fits:** WEST LAKE ML85-4 & ML85-5 Twistlocks

**Works With:** Buffers 1105-1321 Pin & 1108-1271 Latch

**Material:** Fab. Steel  
**Finish:** Zinc-Plated  
**Weight:** 1.6 LBS

---

**Model 1107-1341**

**Pinlock Handle**

**Model 1107-1344**

**Twistlock Handle**

**Model 1107-1344-Kit**

**Included:**

- 1110-4511 Nut & 1110-4529-G8 Bolt

**Handle Sub For:** PENZ 20-99-2, WEST LAKE 1306  
**Fits:** WEST LAKE ML90-2/3 Pinlock

**Works With (shown above):** Buffers 1106-1340 Pin, 1110-4599 Split Roll Pin  
**Material:** Fab. Steel  
**Finish:** Zinc-Plated  
**Pin Finish:** Primer  
**Handle Weight:** 0.45 LBS  
**Pin Weight:** 3.1 LBS

---

**Model 1107-1344**

**Twistlock Handle**

**Model 1107-1344-Kit**

**Included:**

- 1110-4511 Hex Lock Nut  
**Handle Material:** Cast Steel  
**Handle Finish:** Primer  
**Handle Weight:** 2.87 LBS  
**Kit Weight:** 3.15 LBS

---

**Sub For:** PENZ 20-153-XX, WEST LAKE 1222-L/R  
**Fits:** WEST LAKE ML85-4 & ML85-5 Twistlocks

**Works With:** Buffers 1105-1447, 1105-1452, 1105-7339 & 1105-7470 Pins, 1108-1271 Latch, 1110-4529-G8 Hex Bolt & 1110-4511 Hex Lock Nut  
**Handle Material:** Cast Steel  
**Handle Finish:** Primer  
**Handle Weight:** 2.87 LBS  
**Kit Weight:** 3.15 LBS

---

**Handles for Pinlocks & Twistlocks**

**Chassis | Flatbed Trailers**

**Buffers USA Inc.**

"The Intermodal Hardware Specialists"

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**Phone:** 904-696-0010

**Date:** 10/25/23
**Model 1107-1352**

**Twistlock Handle**

- **SUB FOR:** PENZ 20-25
- **WORKS WITH:** PENZ 15-47-XX PIN
- **FOR USE ON:** Trailmobile Chassis
- **MATERIAL:** Fab. Steel
- **FINISH:** Zinc-Plated
- **WEIGHT:** 1.85 lbs

**Model 1107-1353**

**Twistlock Handle**

- **SUB FOR:** PENZ 20-76-MOD
- **FOR USE ON:** Hyundai Chassis
- **WORKS WITH:** Buffers 1105-1356-L/R & PENZ 15-96-XX PINS
- **MATERIAL:** Fab. Steel
- **FINISH:** Zinc-Plated
- **WEIGHT:** 2.1 lbs

**Model 1107-1354**

**Twistlock Handle**

- **SUB FOR:** PENZ 20-27
- **FOR USE ON:** Sealand Chassis
- **WORKS WITH:** Buffers 1105-1458-L/R & PENZ 15-57-XX PINS
- **MATERIAL:** Fab. Steel
- **FINISH:** Zinc-Plated
- **WEIGHT:** 1.3 lbs

**Model 1107-1355**

**Twistlock Handle**

- **SUB FOR:** PENZ 20-34
- **FOR USE ON:** Strick Chassis
- **MATERIAL:** Fab. Steel
- **FINISH:** Zinc-Plated
- **WEIGHT:** 0.88 lbs

---

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6/4/20
**Model 1107-1357**

**Twistlock Handle**

- I.D. Ø5/16"  
- O.D. Ø3/4"  
- 9/16"  
- 2"  
- 4-15/16"  
- 120°  
- 4-1/2"  

**Sub For:** Penz 20-52  
**Material:** Fab. Steel  
**Finish:** Zinc-Plated  
**Weight:** 1.1 LBS

---

**Model 1107-1374-1**

**Pinlock Handle**

**Model 1106-1374-2**

**Pin**

- O.D. Ø3/4"  
- 4-1/2"  
- 8"  
- 1"  

**For Use On:** Bertolini Chassis  
**Sub Handle For:** Penz 20-45-1  
**Handle Material:** Round Rod  
**Sub Pin For:** Penz 20-45-2 Pin  
**Pin Material:** Fab. Steel  
**Finish:** Primer  
**Handle Weight:** 2.11 LBS  
**Pin Weight:** 3.45 LBS

---

*Handle & Pin are sold separately & unassembled.*
**MODEL 1107-1375-L**
Rear Roadside / Front Roadside

**MODEL 1107-1375-R**
Rear Curbside / Front Roadside

**SUB FOR:** PENZ 20-01-XX  
**FOR USE ON:** THEURER CHASSIS  
**WORKS WITH:** BUFFERS 1105-1451 & PENZ 15-26 PINS;  
BUFFERS 1108-1785-L/R & PENZ 20-25-XX LATCHES  
**MATERIAL:** CAST STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 3.67 LBS

---

**MODEL 1107-1376**  
**TWISTLOCK HANDLE**

**SUPPLIED w/:**  
Ø1/4" x 1-1/4" SPLIT ROLL PIN

**SUB FOR:** PENZ 20-13  
**FOR USE ON:** BERTOLINI CHASSIS  
**WORKS WITH:** BUFFERS 1105-1453-L/R, 1105-1455-L/R & 1105-1579-L/R PINS  
**MATERIAL:** CAST STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 2.28 LBS

---

**MODEL 1107-1377**  
**PINLOCK HANDLE**

**SUB FOR:** PENZ 20-115  
**FOR USE ON:** STRICK CHASSIS  
**WORKS WITH:** BUFFERS 1106-1518-L/R PINS  
**MATERIAL:** FAB. STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 0.9 LBS

---

**SUB FOR:** PENZ 20-01-XX  
**FOR USE ON:** THEURER CHASSIS  
**WORKS WITH:** BUFFERS 1105-1451 & PENZ 15-26 PINS;  
BUFFERS 1108-1785-L/R & PENZ 20-25-XX LATCHES  
**MATERIAL:** CAST STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 3.67 LBS
**HANDLEs for TWISTLOCKS**

**CHASSIS | FLATBED TRAILERS**

---

**Model 1107-1386**

- **Twistlock Handle**
- **Sub for:** PENZ 20-06
- **For use on:** BUDD & GINDY CHASSIS
- **Works with:** BUFFERS 1105-1510 & PENZ 15-31 PINS
- **Material:** FAB. STEEL
- **Finish:** ZINC-PLATED
- **Weight:** 2.68 LBS

---

**Model 1107-1387**

- **Twistlock Handle**
- **Sub for:** PENZ 20-16
- **For use on:** STRICK CHASSIS
- **Material:** FAB. STEEL
- **Finish:** PRIMER
- **Weight:** 2.1 LBS

---

**Model 1107-1388**

- **Twistlock Handle**
- **Sub for:** PENZ 20-33
- **For use on:** ALLIED & STRICK CHASSIS
- **Works with:** BUFFERS 1105-1538 & PENZ 15-54 PINS
- **Material:** FAB. STEEL
- **Finish:** ZINC-PLATED
- **Weight:** 1.53 LBS

---

**Model 1107-1394**

- **Twistlock Handle**
- **Sub for:** PENZ 20-36
- **For use on:** FRUEHAUF & MAERSK CHASSIS
- **Works with:** BUFFERS 1105-1389, 1105-1538, 1105-2476, 1105-2853 & PENZ 15-36-A, 15-51, 15-54 & 15-134 PINS paired w/ 1110-2477 CLEVIS BOLT + 1110-4551-SS COTTER PINS (2 pcs.)
- **Material:** FAB. STEEL
- **Weight:** 1.5 LBS

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“*The Intermodal Hardware Specialists”*

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**MODEL 1107-1399**

**TWISTLOCK HANDLE**

- **I.D. 1-5/8’’ Ø41.3 MM**
- **I.D. 9/16’’ Ø14.3 MM**
- **O.D. 3/4’’ Ø19 MM**
- **1-1/8’’ 28.6 MM**
- **40º 150 MM**
- **5-7/8’’ 82.5 MM**
- **7-15/16’’ 219.2 MM**

**SUB FOR:** PENZ 20-57

**FITS:** SCHULZ F66NS-XX TWISTLOCKS

**WORKS WITH:** BUFFERS 1105-1257-2 PIN & 1108-1224-2L/R LATCHES  
MATERIAL: FAB. STEEL  
FINISH: ZINC-PLATED  
WEIGHT: 1.66 LBS

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**MODEL 1107-1400-L**  
**MODEL 1107-1400-R**

**TWISTLOCK HANDLES**

- **SUB FOR:** PENZ 20-108-XX  
  **FITS:** PENZ 90.34-XXF, 90.36-XXF, 90.36/H-XXF, 90.37-XXF, 90.41-XXF & 90.43-XXF DROP-IN TWISTLOCKS

**WORKS WITH:** BUFFERS 1105-1449, 1105-1450, 1105-8779 PINS

**MATERIAL:** FAB. STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 1.7 LBS

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**SUB FOR:** PENZ 20-57

**FITS:** SCHULZ F66NS-XX TWISTLOCKS

**WORKS WITH:** BUFFERS 1105-1257-2 PIN & 1108-1224-2L/R LATCHES  
MATERIAL: FAB. STEEL  
FINISH: ZINC-PLATED  
WEIGHT: 1.66 LBS
**HANDLE FOR PINLOCKS**

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**HANDLE MODEL 1107-1417-4**

- **O.D.**: Ø1-1/2"  
- **Height**: 4-3/4"

**PIN MODEL 1106-1417-2**

- **O.D.**: Ø1-1/2"  
- **Height**: 4-3/4"

**MODEL 1106-1417-2**

- **LH CONFIGURATION Roadside**
- **RH CONFIGURATION Curbside**

**MODEL 1106-1617-2**

- **LH CONFIGURATION Roadside**
- **RH CONFIGURATION Curbside**

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**THESE PARTS ARE SOLD SEPARATELY.**

- Pin & Handle must be welded together after installation.

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**SUB 1107-1417-4 HANDLE FOR**: PENZ 20-111

- **HANDLE FITS**: BUFFERS 1103-1417, 1103-1617 & PENZ 90-19/H-XX PINLOCKS
- **1106-1417-2 PIN FITS**: BUFFERS 1103-1417-L/R, PENZ 90-20-XX & 90-20/CR-XX PINLOCKS

**MATERIAL**: FAB. STEEL  
**FINISH**: PRIMER  
**HANDLE WEIGHT**: 0.6 LBS  
**1106-1417-2 PIN WEIGHT**: 2.4 LBS  
**1106-1617-2 PIN WEIGHT**: 2 LBS

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**MODEL 1107-1464**

**PINLOCK HANDLE**

- **I.D.**: Ø3/8"  
- **O.D.**: Ø1-1/2"  
- **Height**: 2" REF

**SUB FOR**: PENZ 20-56  
**FITS**: PENZ 90-01-XX & SCHULZ FB55HL-XX PINLOCKS  
**MATERIAL**: CAST STEEL  
**FINISH**: PRIMER  
**WEIGHT**: 2.05 LBS

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**MODEL 1107-1469**

**PINLOCK HANDLE**

- **I.D.**: Ø3/8"  
- **O.D.**: Ø1-1/2"  
- **Height**: 1/2"

**SUB FOR**: PENZ 20-84HDC  
**FITS**: BUFFERS 1103-1624-L/R, PENZ 90-14HDC-XX & SCHULZ FB88HL-XX PINLOCKS  
**WORKS WITH**: BUFFERS 1108-1350 LATCH & 1110-4537 SPLIT ROLL PIN  
**MATERIAL**: FAB. STEEL  
**FINISH**: PRIMER  
**WEIGHT**: 4.55 LBS

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1107-11  
12/10/20
**Model 1107-1481-R**

**Twistlock Handle**

- **Model:** 1107-1481-R
- **I.D.:** Ø1-7/8" to Ø2" (2"
- **O.D.:** Ø3/4" (1"
- **Material:** Fab. Steel
- **Finish:** Primer
- **Weight:** 2 LBS

**Specifications**

- **I.D.:** Ø1-7/8" to Ø2"
- **O.D.:** Ø3/4"
- **Length:** 6-7/8"
- **Angle:** 20°, 30°

**Uses**

- Sub for: PENZ 20-67-XX
- Fits: PENZ 90-02-XX Drop-In Twistlocks
- Works with: Buffers 1106-1417-2; PENZ 30-28/CR & 30-30 Pins
- **Material:** Fab. Steel
- **Finish:** Zinc-Plated
- **Weight:** 1.8 LBS

**Builder's Information**

- CHASSIS | FLATBED TRAILERS
- E-mail: sales@buffersusa.com

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**Model 1107-1481-L**

**Twistlock Handles**

- **Model:** 1107-1481-L
- **I.D.:** Ø5/8" to Ø1-7/8"
- **O.D.:** Ø3/4"
- **Material:** Fab. Steel
- **Finish:** Primer
- **Weight:** 2 LBS

**Specifications**

- **I.D.:** Ø5/8" to Ø1-7/8"
- **O.D.:** Ø3/4"
- **Length:** 6.75"
- **Angle:** 45°

**Uses**

- Sub for: PENZ 20-32
- For use on: STRICK Chassis
- **Material:** Fab. Steel
- **Finish:** Primer
- **Weight:** 2 LBS

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**Model 1107-1481-R**

**Pinlock Handle**

- **Model:** 1107-1481-R
- **I.D.:** Ø5/8" to Ø5/8"
- **O.D.:** 6.75"
- **Material:** Fab. Steel
- **Finish:** Primer
- **Weight:** 2 LBS

**Specifications**

- **I.D.:** Ø5/8"
- **O.D.:** 6.75"
- **Length:** 3-7/16"

**Uses**

- Sub for: PENZ 20-86
- Fits: Buffers 1103-1517-L/R; PENZ 90-19-XX, 90-20-XX & 90-20/CR-XX Pinlocks
- Works with: Buffers 1106-1417-2; PENZ 30-28/CR & 30-30 Pins
- **Material:** Fab. Steel
- **Finish:** Primer
- **Weight:** 0.59 LBS

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10/16/23
MODEL 1107-1519-L
MODEL 1107-1519-R
TWISTLOCK HANDLES

SUB FOR: PENZ 20-41-XX
FITS: PENZ 90-30-XX, 90-30/A-XX, 90-32-XX & 90-32ABS-XX TWISTLOCKS
WORKS WITH: BUFFERS 1105-1508, 1105-1776 & PENZ 15-111-A, 15-123 PINS; BUFFERS 1108-1465 LATCH
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED  WEIGHT: 1.04 LBS

MODEL 1107-1534
PINLOCK HANDLE

SUB FOR: PENZ 20-41-A
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED  WEIGHT: 1 LB

MODEL 1107-1535
PINLOCK HANDLE

SUB FOR: PENZ 20-41-B
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED  WEIGHT: 1.5 LBS

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12/10/20
**MODEL 1107-1536**

**TWISTLOCK HANDLE**

- **O.D:** Ø5/8"
- **I.D:** Ø1-17/32"
- **Length:** 5"

For ⅜" diameter handle, see Model 1107-1562

**SUB FOR:** PENZ 20-62
**Material:** FAB. STEEL **Finish:** ZINC-PLATED
**Weight:** 0.9 LBS

**Model 1107-1542-A**

**TWISTLOCK HANDLE**

- **I.D.:** Ø1-9/16"
- **O.D.:** Ø15/32"
- **Length:** 4-3/8"

**Handle & Collar are sold separately.**

**SUB HANDLE FOR:** BLAIR 988, PENZ 20-91 & 20-92
**SUB COLLAR FOR:** BLAIR 987 **FITS:** BLAIR 148, 149 & 151 SERIES & BUFFERS 1101-3240-NRS (Handle only) TWISTLOCKS **WORKS WITH:** BLAIR 1024, 1067, 1090/1000, BUFFERS 1105-1540, 1105-2023-INNER & 1105-2029-KIT, PENZ 15-147 PINS
**Material:** FAB. STEEL **Finish:** PRIMER
**Handle Weight:** 0.35 LBS
**Collar Weight:** 0.25 LBS

**Model 1107-1541**

**TWISTLOCK HANDLE**

- **I.D.:** Ø1-17/32"
- **O.D.:** Ø5/8"
- **Length:** 1-1/4"

**SUB FOR:** BLAIR 1026
**Fits:** BLAIR 149/2 & SCHULZ QA18NS TWISTLOCKS **Works With:** BUFFERS 1105-2445 PIN
**Material:** CAST STEEL **Finish:** PRIMER
**Weight:** 0.9 LBS

**Model 1107-1556**

**TWISTLOCK HANDLE**

- **I.D.:** Ø1/4" x 1-1/4" SPLIT ROLL PIN
- **Length:** 5/8"

**SUB FOR:** PENZ 20-12
**Designed To Work With:** BERTOLINI CHASSIS **Works With:** BUFFERS 1105-1453-L/R, 1105-1455-L/R & 1105-1579; PENZ 15-28-A-XX, 15-28-B, 15-28-C-XX & 15-44-XX PINS **Material:** FAB. STEEL **Finish:** ZINC-PLATED **Weight:** 2.45 LBS

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MODEL 1107-1618-L
TWISTLOCK HANDLES
J.B. Hunt style

MODEL 1107-1618-R
TWISTLOCK HANDLES
J.B. Hunt style


SUB FOR: PENZ 20-63
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.23 LBS

SUB FOR: PENZ 20-72
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 1.76 LBS

SUB FOR: PENZ 20-107-XX
FITS: BUFFERS 1102-3247-L/R, PENZ 90-33-XXF & 90-35-XXF DROP-IN TWISTLOCKS
FOR USE ON: J.B. HUNT CHASSIS
WORKS WITH: BUFFERS 1105-1509, PENZ 15-124 & 15-131 PINS,
1110-4524-G5 HEX BOLT & 1110-4511 HEX LOCK NUT
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.68 LBS

FOR 5/8" DIAMETER HANDLE, SEE MODEL 1107-1536
FOR 1/2" DIAMETER HANDLE, SEE MODEL 1107-6940

COMPARE w/ HANDLES 1107-7345 & 1107-7348

MODEL 1107-1562
TWISTLOCK HANDLE

MODEL 1107-1563
PINOCK HANDLE

I.D. Ø1-9/16”
1/4”
10”
MODEL 1107-1618-R is shown dimensioned.
MODEL 1107-1639-L
MODEL 1107-1639-R
TWISTLOCK HANDLES

SUB FOR: PENZ 20-97-XX
FITS: SCHULZ DROP-IN TWISTLOCK
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 2.85 LBS

MODEL 1107-1639-R is shown dimensioned.

SUB FOR: PENZ 20-20
FOR USE ON: BUDD & TRAILMOBILE CHASSIS
WORKS WITH: BUFFERS 1105-1461-L/R, 1105-2039-L/R,
PENZ 15-37XXF & 15-45-XX PINS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.5 LBS

SUB FOR: PENZ 20-03
FOR USE ON: THEURER CHASSIS
WORKS WITH: BUFFERS 1105-1451 & PENZ 15-26 PINS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.85 LBS

SUB FOR: PENZ 20-03
FOR USE ON: THEURER CHASSIS
WORKS WITH: BUFFERS 1105-1451 & PENZ 15-26 PINS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.85 LBS

BUFFERS USA INC
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**MODEL 1107-1642-4**

**PINLOCK HANDLE**

- **I.D.**: Ø3/8"
- **O.D.**: Ø2-7/8"
- **L**: 12"
- **1-1/4"**
- **2" REF**
- **7-3/8"**
- **2-7/8"**

**FITS:** Buffers 1103-1642-L/R & West Lake ML80-2/3 Pins

**WORKS WITH:** Buffers 1106-1363 & West Lake 1211 Pins

**MATERIAL:** Cast Steel  
**FINISH:** Primer  
**WEIGHT:** 2.1 LBS

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**MODEL 1107-1645**

**PINLOCK HANDLE**

- **I.D.**: Ø5/8"
- **O.D.**: Ø2-1/16"
- **L**: 10-5/8"
- **1-3/8"**
- **2-1/4"**

**SUB FOR:** Penz 20-05

**MATERIAL:** Fab. Steel  
**FINISH:** Primer  
**WEIGHT:** 3 LBS

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**MODEL 1107-1647-L**

**MODEL 1107-1647-R**

**TWISTLOCK HANDLES**

- **I.D.**: Ø1-1/2"
- **O.D.**: Ø2-1/16"
- **L**: 1-5/8"
- **1-3/4"**
- **7-1/4"**

**MODEL 1107-1647-R** is shown dimensioned.

**SUB FOR:** Penz 20-114-XX

**FITS:** Buffers 1102-1625-L/R; Penz 90-36/ST-XXF, 90-41/ST-XXF & 90-52-XX Twistlocks

**WORKS WITH:** Buffers 1105-1450, 1105-1616 & 1105-8779; Penz 15-130F, 15-132 Pins

**MATERIAL:** Fab. Steel  
**FINISH:** Zinc-Plated  
**WEIGHT:** 1.5 LBS

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**10/25/23**
**MODEL 1107-1690-4**  
TWISTLOCK HANDLE

I.D. Ø1-17/32"  
O.D. Ø5/8"  
4"  
1-11/32"  

**FITS:** BUFFERS 1102-1690-L/R DROP-IN TWISTLOCK  
**WORKS WITH:** BUFFERS 1105-1690-2 PIN,  
1108-1224-2L/-2R LATCHES, 1110-4524-G5 HEX BOLT &  
1110-4511 HEX LOCK NUT  
**MATERIAL:** FAB. STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 1.05 LBS

**MODEL 1107-1691-4**  
TWISTLOCK HANDLE

I.D. Ø1-17/32"  
O.D. Ø5/8"  
4"  
21/32"  

**FITS:** BUFFERS 1102-1691 DROP-IN TWISTLOCK  
**WORKS WITH:** BUFFERS 1105-1691-2 PIN  
**MATERIAL:** FAB. STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 1 LB

**MODEL 1107-1725**  
TWISTLOCK HANDLE

I.D. Ø1-9/16"  
1-1/4"  
9-1/4"  
3/8"  

**SUB FOR:** PENZ 20-81  
**FITS:** PENZ 90-12, 90-12-OT, 90-16 & 90-16-OT TWISTLOCKS  
**WORKS WITH:** BUFFERS 1105-1661, 1105-1662  
& 1105-1663 PINS  
**MATERIAL:** FAB. STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 2.09 LBS

**MODEL 1107-1726**  
TWISTLOCK HANDLE

I.D. Ø1-9/16"  
1-1/4"  
3/8"  
2-3/8"  
5/8"  

**SUB FOR:** PENZ 20-82  
**FITS:** PENZ 90-12-OT/A & 90-16-OT/A TWISTLOCKS  
**WORKS WITH:** BUFFERS 1105-1661, 1105-1662,  
**MATERIAL:** FAB. STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 2.1 LBS
### MODEL 1107-1727
**Twistlock Handle**

- **I.D.:** Ø1-9/16"  
- **O.D.:** Ø7/8"  
- **Length:** 6"  
- **Angle:** 53°

**Specifications:**
- **Sub For:** PENZ 20-30
- **For Use On:** MILLER & UTILITY CHASSIS
- **Material:** FAB. STEEL  
- **Finish:** ZINC-PLATED  
- **Weight:** 1.45 LBS

**Notes:**
- MDL 1107-1727-R is shown dimensioned.

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### MODEL 1107-1758
**Pinlock Handle**

- **I.D.:** Ø5/8"  
- **O.D.:** Ø7/8"  
- **Length:** 2"  
- **Angle:** 3/8"  
- **R3/4"**

**Specifications:**
- **Sub For:** PENZ 20-54
- **Material:** FAB. STEEL  
- **Finish:** PRIMER  
- **Weight:** 1.2 LBS

**Notes:**
- **Sub For:** PENZ 20-30-XX
- **Fits:** PENZ 90-32C-XX & 90-32CABS-XX TWISTLOCKS
- **Works With:** BUFFERS 1105-1543 & PENZ 15-126 PINS
- **Material:** FAB. STEEL  
- **Finish:** ZINC-PLATED  
- **Weight:** 1.51 LBS

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**Buffers USA Inc.**

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**Model:** 1107-20

**Phone:** 904-696-0010

10/25/23
**Model 1106-1759**

**Pinlock Pin/Handle**

- **O.D.**: Ø1-1/2"
- **I.D.**: Ø1/4"
- **Length**: 6"
- **Diameter**: 6-1/8"
- **Twistlock Handle**

**Specifications**:
- **Material**: FAB. STEEL
- **Finish**: PRIMER
- **Weight**: 4.4 LBS

**Sub For**: PENZ 20-40

**Model 1107-1760**

**Twistlock Handle**

- **O.D.**: Ø5/8"
- **I.D.**: Ø5/16"
- **Length**: 4-11/16"
- **Diameter**: 4-3/8"

**Specifications**:
- **Material**: FAB. STEEL
- **Finish**: PRIMER
- **Weight**: 1.03 LBS

**Sub For**: PENZ 20-09 RD

**Model 1107-1846**

**Twistlock Handle**

- **I.D.**: Ø5/16"
- **Diameter**: 4-11/16"
- **Length**: 5/8"
- **Diameter**: 4-3/8"

**Specifications**:
- **Material**: FAB. STEEL
- **Finish**: ZINC-PLATED
- **Weight**: 0.5 LBS

**Sub For**: J.B. HUNT 18662, 31998

**Model 1107-1917-4**

**Pinlock Handle**

- **I.D.**: Ø1/4"
- **Diameter**: 2-3/16"
- **Length**: 2-1/16"
- **Diameter**: 6"

**Specifications**:
- **Material**: FAB. STEEL
- **Finish**: ZINC-PLATED
- **Weight**: 1.1 LBS

**Sub For**: J.B. HUNT 18662, 31998

**Fits**: BUFFERS 1103-1917-L/R, J.B. HUNT 18860 & SCHULZ FB99HL-JBH-XX PINLOCKS

**Buffers USA Inc.**

"The Intermodal Hardware Specialists"

**Contact Information**

- **Phone**: 904-696-0010
- **E-mail**: sales@buffersusa.com

**1107-21**

**Date**: 12/10/20
**HANDLES**

for **TWISTLOCKS**

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**MODEL 1107-2008-4**

**TWISTLOCK HANDLE**

- **O.D.** Ø15/32”
- **I.D.** Ø9/32”
- **Diam.** 9/16”
- **L.** 4”

**FITS:** BLAIR 149 TWISTLOCK

**WORKS WITH:** BLAIR 1024, BUFFERS 1105-2008 PINS

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 0.2 LBS

**FOR USE ON:** BUDD & GINDY CHASSIS


**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1 LB

**SUB FOR:** PENZ 20-02

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**MODEL 1107-2031**

**TWISTLOCK HANDLE**

- **O.D.** Ø1”
- **Diam.** 6”
- **L.** 4-1/2”
- **W.** 8-1/2”
- **H.** 4-1/16”
- **G.** 4-11/16”
- **W.** 4-11/16”
- **H.** 5/8”
- **G.** 1-1/4”

**SUB FOR:** PENZ 20-116

**FITS:** PENZ 90-38/KIT-XX TWISTLOCK

**WORKS WITH:** STRICK CHASSIS

**FOR USE ON:** BUDD & GINDY CHASSIS

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 0.9 LBS

**SUB FOR:** PENZ 20-07

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**MODEL 1107-2042**

**TWISTLOCK HANDLE**

- **O.D.** Ø5/16”
- **I.D.** Ø9/32”
- **Diam.** 9/16”
- **L.** 4-1/8”
- **W.** 3-1/2”
- **G.** 8-1/2”

**SUB FOR:** PENZ 20-02

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1 LB

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**MODEL 1107-2043**

**TWISTLOCK HANDLE**

- **O.D.** Ø1”
- **W.** 6”
- **H.** 4-1/2”

**SUB FOR:** PENZ 20-07

**FOR USE ON:** BUDD & GINDY CHASSIS

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.1 LBS

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**BUFFERS USA INC**

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12/10/20
MODEL 1107-2044-L
MODEL 1107-2044-R

TWISTLOCK HANDLES

MODEL 1107-2044-L

MODEL 1107-2044-R

O.D. Ø5/8"

MODEL 1107-2044-R is shown dimensioned.

SUB FOR: PENZ 20-10-XX
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 1.2 LBS

MODEL 1107-2044-L

MODEL 1107-2044-R

O.D. Ø3/4"

SUB FOR: PENZ 20-24
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 2.4 LBS

SUB FOR: PENZ 20-60
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 2 LBS

BUFFERS USA INC
"The Intermodal Hardware Specialists"

1107-23

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6/8/20
MODEL 1107-2047-L
MODEL 1107-2047-R
TWISTLOCK HANDLES

MODEL 1107-2047-R is shown dimensioned.

SUB FOR: PENZ 20-88-XX  FITS: PENZ 90-23-XX TWISTLOCKS  FOR USE ON: J.B. HUNT CHASSIS
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED  WEIGHT: 1.77 LBS

MODEL 1107-2102-L
MODEL 1107-2102-R
TWISTLOCK HANDLES

MODEL 1107-2102-R is shown dimensioned.

SUB FOR: PENZ 20-15-XX  FITS: PENZ 90-23-XX TWISTLOCKS  FOR USE ON: J.B. HUNT CHASSIS
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED  WEIGHT: 0.9 LBS

SUB FOR: PENZ 20-88-XX  FITS: PENZ 90-23-XX TWISTLOCKS  FOR USE ON: J.B. HUNT CHASSIS
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED  WEIGHT: 1.77 LBS

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BUFFERS USA INC
"The Intermodal Hardware Specialists"
Loose 2146 Sleeve included w/ Handle as shown

MODEL 1107-2146-L-KIT

MODEL 1107-2146-R-KIT

MODEL 1107-2244 TWISTLOCK HANDLE

MODEL 1107-2776 TWISTLOCK HANDLE

SUB FOR: PENZ 20-95
WORKS WITH:
BUFFERS 1105-2672, PENZ 15-106 & 15-136 PINS

FITS: PENZ 90-08-XX TWISTLOCKS (newer style w/ split pin)

MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.4 LBS

SUB FOR: PENZ 20-46

MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.45 LBS

FITS: CMCI 2106 TWISTLOCK / SEACO CHASSIS
WORKS WITH: BUFFERS 1105-2144 PIN & 1108-2145 LATCH
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.9 LBS

MODEL 1107-2146-L-KIT is shown dimensioned.

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6/8/20
**MODEL 1107-2777**

**TWISTLOCK HANDLE**

- **I.D. Ø1-9/16”**
- **3/8”**
- **1-1/4”**
- **2-9/32”**
- **5/8”**
- **2-1/16”**
- **4-3/16”**
- **5-1/16”**

**SUB FOR:** PENZ 20-80

**WORKS WITH:** BUFFERS 1105-2673 & PENZ 15-94 PINS

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.2 LBS

---

**MODEL 1107-2884**

**TWISTLOCK HANDLE**

- **O.D. Ø3/4”**
- **10”**
- **1-1/2”**
- **I.D. Ø25/32”**
- **2-1/4”**

**SUB FOR:** PENZ 20-18

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 2 LBS

---

**MODEL 1107-2959-4**

**TWISTLOCK HANDLE**

- **I.D. Ø1-11/16”**
- **1-1/4”**
- **4-7/16”**
- **2-3/16”**

**SUB FOR:** PENZ 20-80

**WORKS WITH:** BUFFERS 1105-2673 & PENZ 15-94 PINS

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.2 LBS

---

**MODEL 1107-3027-4**

**DROP-IN TWISTLOCK HANDLE**

- **O.D. 1/2” Ø12.7 MM**
- **4-5/8” 117 MM**
- **1-13/16” 45 MM**
- **1-1/16” 26.5 MM**

**SUB FOR:** PENZ 20-18

**WORKS WITH:** BUFFERS 1105-2673 & PENZ 15-94 PINS

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.2 LBS

---

**FITS:** BUFFERS 1101-2959 FLATBED HEIGHT EXTENDER TWISTLOCK

**WORKS WITH:** BUFFERS 1105-2959-2 PIN

**MATERIAL:** CAST STEEL

**FINISH:** HOT-DIP GALVANIZED

**WEIGHT:** 1.3 LBS

---

**FITS:** BUFFERS 1102-3027 DROP-IN TWISTLOCK

**WORKS WITH:** BUFFERS 1105-3027-2 PIN

**MATERIAL:** STAINLESS STEEL

**FINISH:** SELF-COLOR

**WEIGHT:** 0.55 LBS / 0.25 Kg

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**Handes for TWISTLOCKS**

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**Handes for TWISTLOCKS**

**CHASSIS | FLATBED TRAILERS**
**MODEL 1107-3133-4**
TWISTLOCK HANDLE

FITS: BUFFERS 3100-NS, 3500-NS & 3600-NS Series TWISTLOCKS (Non-Screwdown only)


MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED or HOT-DIP GALVANIZED (-HDG)
WEIGHT: 0.76 LBS

**MODEL 1107-3133-4-HDG**

Compare against 1107-8533-4

**MODEL 1107-3151-4**
TWISTLOCK HANDLE

FITS: BUFFERS 1101-3151 Series & 1101-3152 TWISTLOCKS


MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED or HOT-DIP GALVANIZED (-HDG)
WEIGHT: 1.37 LBS

**MODEL 1107-3206-4**
TWISTLOCK HANDLE

SUB FOR: PENZ 20-130

WORKS WITH: BUFFERS 1105-3206-2, 1105-3406-2-MOD PINS & 1108-1207-18, 1108-3206-18, 1108-3817-18 LATCHES


MATERIAL: CAST STEEL
FINISH: PRIMER
WEIGHT: 1.55 LBS

**MODEL 1107-3229-4**
TWISTLOCK HANDLE

FITS: BUFFERS 1102-3229-L/R DROP-IN TWISTLOCKS

MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.49 LBS

**MODEL 1107-3206-4-HDG**

**MODEL 1107-3229-4-HDG**

**SPECIAL ORDER**

COMPARE AGAINST 1107-8533-4

904-696-0010
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1107-27
FITS: BUFFERS 1102-3248-L/R & 1102-3269-L/R DROP-IN TWISTLOCKS
WORKS WITH: BUFFERS 1102-3248-L/R & 1102-3269-L/R TWISTLOCKS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.78 LB

MATERIAL: FORGED STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.75 LB

FITS: BUFFERS 1102-3248-L/R & 1102-3257-L/R DROP-IN TWISTLOCKS
WORKS WITH: BUFFERS 1105-1224-2L/R LATCHES, 1110-4524-G5 HEX BOLT & 1110-4511 HEX NUT
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.78 LB

FITS: BUFFERS 1102-1236-L/R & 1102-3270-LH/RH DROP-IN TWISTLOCKS
WORKS WITH: BUFFERS 1105-1148-2; PENZ 15-160, 15-162-C PINS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.95 LB

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**SPECIAL ORDER**

**MODEL 1107-3529-4**

**MODEL 1107-3529-4-HDG**

**TWISTLOCK HANDLE**

Screwdown Type Only

**FITS:** BUFFERS 1101-3529-RS/NRS, 1102-3539-RS/NRS, 1101-3629-RS/NRS, 1101-3729-RS/NRS & 1101-3829-NRS

**TWISTLOCKS**

**WORKS WITH:** BUFFERS 1105-3529-INNER, 1105-3539-INNER, 1105-3629-INNER & 3829-INNER PIN ASSEMBLIES, 1110-4531-G5 HEX BOLT & 1110-4511 HEX NUT

**MATERIAL:** STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 0.7 LB

Extended Hub lengths available for Flatbed applications:

- I.D. Ø1-5/16”
  - O.D. Ø13/16”
  - 2-1/2” 55 MM
  - 3-7/8” 70 MM

**MODEL 1107-3529-4-0S35**

**WEIGHT:** 1.14 LBS

**MODEL 1107-3529-4-0S70**

**WEIGHT:** 1.58 LBS

**MODEL 1107-3532-4-0S35**

**TWISTLOCK HANDLE**

Offset/extended down 35 mm

**FITS:** BUFFERS 1101-3532-R, 1101-3590-R & 1101-3733-R

**FLATBED TWISTLOCKS**

**WORKS WITH:** BUFFERS 1105-3532-2 PIN & 1105-3532-INNER PIN ASSEMBLY & 1108-3633-18 LATCH

**MATERIAL:** STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.04 LBS

**MODEL 1107-3532-4**

**MODEL 1107-3532-4-OS70**

**TWISTLOCK HANDLE**

Offset/extended down 70 mm

**FITS:** BUFFERS 1101-3532 RETRACTABLE FLATBED TWISTLOCK

**WORKS WITH:** BUFFERS 1105-3532-2 PIN & 1105-3532-INNER PIN ASSEMBLY

**MATERIAL:** STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 0.75 LB

**MODEL 1107-3533-4-OS70**

**TWISTLOCK HANDLE**

Offset 70 mm

**FITS:** BUFFERS 1101-3533-R, 1101-3590-R & 1101-3733-R

**FLATBED TWISTLOCKS**

**WORKS WITH:** BUFFERS 1105-3533-2 PIN & 1105-3533-INNER PIN ASSEMBLY & 1108-3633-18 LATCH

**MATERIAL:** STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.04 LBS

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1107-29

11/7/22
**Model 1107-3533-4-SQ**

**Handle Extension Tube**
- Fits: Buffers 1101-3533-R, 1101-3590-R & 1101-3733-R
- Flatbed twistlocks
- Material: Fabricated steel
- Finish: Zinc-plated
- Weight: 2.65 lbs / 1.20 kg

**Model 1107-3600-4-SQ**

**T-Handle w/ Square Upper**
- Fits: Buffers 1101-3600-HA series twistlocks
- Newer style w/ square latch
- Material: Cast steel
- Finish: Hot-dip galvanized
- Weight: 5.4 lbs / 2.45 kg

**Model 1107-3600-4**

**T-Handle**
- Fits: Buffers 1101-3600-HA series twistlocks
- Material: Cast steel
- Finish: Primer
- Weight: 1.35 lbs / 0.61 kg

**Model 1107-30**

**Handle Extension Tube**
- Fits: Buffers 1101-3600-HA series height-adjustable flatbed twistlocks
- Newer style w/ square/latched
- Material: Cast steel
- Finish: Hot-dip galvanized
- Weight: 7.2 lbs / 3.27 kg

---

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MODEL 1107-3633-4-HDG
TWISTLOCK HANDLE

MODEL 1107-3633-4-HDG-KIT
TWISTLOCK HANDLE KIT

KIT includes: 1110-4510-SS Hex Bolt (1/2"-13 x 2.75") & 1110-4511-SS-J Hex Jam Nut (1/2"-13 w/ nylon insert)

FITS: BUFFERS 1101-3633-R-HDG TWISTLOCK
WORKS WITH: 1105-3633-INNER-HDG PIN ASSEMBLY
HANDLE MATERIAL: FAB. STEEL
HANDLE FINISH: HOT-DIP GALVANIZED
WEIGHT: 0.72 LB  KIT WEIGHT: 0.91 LB

MODEL 1107-3643-4
TWISTLOCK HANDLE

Compare against 1107-8543-4

MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.65 LBS

SPECIAL ORDER MODEL 1107-3733-4-8090
FLATBED TWISTLOCK EXTENSION HANDLE
Front Position

USED ON: BUFFERS 1101-3533-R & 1101-3733-R
FLATBED TWISTLOCKS  MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED  WEIGHT: 3.3 LBS

MODEL 1107-3733-4-8090
FLATBED TWISTLOCK EXTENSION HANDLE
Rear Position

USED ON: BUFFERS 1101-3533-R & 1101-3733-R
FLATBED TWISTLOCKS  MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED  WEIGHT: 2 LBS

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TWISTLOCK HANDLE ASSEMBLY
Includes all loose parts shown:

**Model 1107-6214-4**
- **TWISTLOCK HANDLE**
- **Fork type**
- **6-3/16" 157 MM**
- **O.D. 5/8" Ø16 MM**
- **O.D. Ø1/2" 101.6 MM**

**Model 1107-6429-KIT**
- **TWISTLOCK HANDLE ASSEMBLY**
- **Includes all loose parts shown:**
  - **HEX NUT w/ NYLON INSERT**
  - **COLLAR**
  - **HANDLE SHAFT**
  - **O.D. 13/16" Ø20 MM**

**Model 1107-6940**
- **TWISTLOCK HANDLE**
- **Bent 39º**
- **5" 127 MM**
- **141º**
- **O.D. Ø1/2" 12.7 MM**

**Model 1107-7342**
- **TWISTLOCK HANDLE**
- **Fork type**
- **1-1/2" 38.1 MM**
- **O.D. Ø3/4" 19.1 MM**
- **3/4" 19.1 MM**
- **1-1/2" 38.1 MM**
- **9" 228.6 MM**
- **11-3/4" 298.5 MM**

**Model 1107-6214-4**
- **SUB FOR:** ROCK ISLAND 12018A4002-P
- **FITS:** BUFFERS 3701-6214-G
- **NON-RETRACTABLE TWISTLOCK**
- **MATERIAL:** FAB. STEEL
- **FINISH:** HOT-DIP GALVANIZED
- **WEIGHT:** 0.35 LB

**Model 1107-6429-KIT**
- **SUB FOR:** HOLLAND REPAIR KIT GL726-099-197
- **FITS:** HOLLAND GL 726-099-195-GF (Non-Retractable) & GL726-099-196 (Retractable) TWISTLOCKS
- **WORKS WITH:** BUFFERS 1105-6428-INNER PIN ASSEMBLY
- **MATERIAL:** HOT-ROLLED STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 2.3 LBS

**Model 1107-6940**
- **SUB FOR:** PENZ 20-61
- **MATERIAL:** FAB. STEEL
- **FINISH:** ZINC-PLATED
- **WEIGHT:** 0.55 LBS

**Model 1107-7342**
- **SUB FOR:** PENZ 20-47
- **MATERIAL:** FAB. STEEL
- **FINISH:** ZINC-PLATED
- **WEIGHT:** 1.82 LBS

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11/7/22
HANDLES for PINLOCKS & TWISTLOCKS
CHASSIS | FLATBED TRAILERS

**MODEL 1107-7347**
**TWISTLOCK HANDLE**

SUB FOR: PENZ 20-69
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.94 LBS

Compare against 1107-2043

**MODEL 1107-7348**
**PINLOCK HANDLE**
Flat Bar type

SUB FOR: PENZ 20-73
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 1.49 LBS

Compare against 1107-1563 & 1107-7345

**MODEL 1107-7349**
**TWISTLOCK HANDLE**

SUB FOR: PENZ 20-75
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.23 LBS

**SUB FOR:** PENZ 20-75
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 1.49 LBS

**SUB FOR:** PENZ 20-73
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 1.23 LBS

Compare against 1107-2043

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1107-34

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11/7/22
**MODEL 1107-7350-L**
**MODEL 1107-7350-R**

**TWISTLOCK HANDLES**
Drop-In type

SUB FOR: PENZ 20-77-XX  
MATERIAL: FAB. STEEL  
FINISH: ZINC-PLATED  
WEIGHT: 1.73 LBS

**MODEL 1107-7351-L**
**MODEL 1107-7351-R**

**TWISTLOCK HANDLES**
Drop-In type

SUB FOR: PENZ 20-121-XX  
MATERIAL: FAB. STEEL  
FINISH: ZINC-PLATED  
WEIGHT: 1.65 LBS / 0.75 Kg

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11/7/22
**MODEL 1107-7352**

**TWISTLOCK HANDLE**

Drop-In type

- **O.D.:** Ø2-1/4”
- **I.D.:** Ø5/8”
- **8-1/2”**
- **2-1/2”**

**SUB FOR:** PENZ 20-125

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 0.88 LBS / 0.4 Kg

---

**MODEL 1107-7370**

**TWISTLOCK HANDLE**

- **O.D.:** Ø1”
- **I.D.:** Ø5/16”
- **7/8”**
- **8-1/2”**

**SUB FOR:** PENZ 20-59

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.86 LBS / 0.84 Kg

---

**MODEL 1107-7596**

**TWISTLOCK HANDLE**

Drop-In type, Bent 45º

- **O.D.:** Ø2-1/4”
- **I.D.:** Ø1-9/16”
- **1-7/8”**
- **5-9/16”**
- **7-1/4”**

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.45 LBS / 0.66 Kg

---

**MODEL 1107-8200**

**TWISTLOCK HANDLE**

Drop-In type, Bent 55º

- **O.D.:** Ø1”
- **I.D.:** Ø39 MM
- **3-7/16”**
- **136.5 MM**
- **1-3/16”**
- **4-7/8”**
- **29 MM**
- **123.3 MM**

**MATERIAL:** STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.35 LBS / 0.61 Kg

---

**FITs:** BUFFERS 1102-3267-L/R DROP-IN TWISTLOCKS

**WORKs WITH:** BUFFERS 1105-1257-2, PENZ 15-69 & WEST LAKE 1780 PINS, BUFFERS 1108-1224-2L/R LATCHES

**MATERIAL:** STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 1.35 LBS / 0.61 Kg

---

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O.D. 2-1/16" Ø52 MM
I.D. 1-1/2" Ø39 MM
2-7/16" 62.5 MM
1-1/8" 28 MM
O.D. 5/8" Ø16 MM

*NOTE: This handle is model 1107-3423-4 w/ different drill angles & a shortened end length of 62.5 mm (8459-4) vs. 85 mm (3423-4).

WORKS WITH: BUFFERS 1105-8700-KIT & 1105-8459-KIT
INNER PIN ASSEMBLIES MATERIAL: STEEL
FINISH: ZINC-PLATED WEIGHT: 0.73 LB / 0.33 Kg

FITS: BUFFERS 3100, 3200, 3300, 3500, 3600, 3700 & 3800 SERIES TWISTLOCKS WORKS WITH: BUFFERS 1108-3133-18, 1108-3187-18, 1108-3529-18, 1108-3633-18, 1108-3634-18 & 3836-18 LATCHES MATERIAL: CAST STEEL FINISH: PRIMER WEIGHT: 1 LB / 0.45 Kg

SPECIAL ORDER ONLY

MODEL 1107-8459-4 TWISTLOCK HANDLE
Replaces 1107-3423-4

MODEL 1107-8543-4
MODEL 1107-8543-4-HDG TWISTLOCK HANDLE
Heavy Duty, w/ 2" Grab
Replaces 1107-3643-4

FITS: BUFFERS 3100-3800 SERIES TWISTLOCKS* (*w/ wide backplate) WORKS WITH: BUFFERS 1108-3133-18, 1108-3534-18 & 1108-3633-18 LATCHES MATERIAL: CAST STEEL FINISH: PRIMER or HOT-DIP GALVANIZED (-HDG) WEIGHT: 0.94 LB / 0.43 Kg

MODEL 1107-8533-4 TWISTLOCK HANDLE
Heavy Duty
Replaces 1107-3133-4

FITS: BUFFERS 3100, 3200, 3300, 3500, 3600, 3700 & 3800 SERIES TWISTLOCKS WORKS WITH: BUFFERS 1108-3133-18, 1108-3187-18, 1108-3529-18, 1108-3633-18, 1108-3634-18 & 3836-18 LATCHES MATERIAL: CAST STEEL FINISH: PRIMER WEIGHT: 1 LB / 0.45 Kg

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<table>
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<tr>
<th>ITEM #</th>
<th>PART #</th>
<th>NAME / DESCRIPTION</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MODEL 1107-6941</td>
<td>EXT. BRACKET for Twistlocks w/ Latches, Zinc-plated</td>
<td>1.33 LBS / 0.61 Kg</td>
</tr>
<tr>
<td>2</td>
<td>MODEL 1107-6943</td>
<td>HANDLE for 3&quot; (76 mm) extension, Zinc-plated</td>
<td>0.74 LB / 0.34 Kg</td>
</tr>
<tr>
<td>3</td>
<td>MODEL 1107-6944</td>
<td>HANDLE for 4&quot; (102 mm) extension, Zinc-plated</td>
<td>0.83 LB / 0.38 Kg</td>
</tr>
<tr>
<td>4</td>
<td>MODEL 1107-6945</td>
<td>HANDLE for 5&quot; (127 mm) extension, Zinc-plated</td>
<td>0.91 LB / 0.42 Kg</td>
</tr>
<tr>
<td>5</td>
<td>MODEL 1107-6946</td>
<td>HANDLE for 6&quot; (152 mm) extension, Zinc-plated</td>
<td>1 LB / 0.45 Kg</td>
</tr>
<tr>
<td>6</td>
<td>MODEL 1110-4768-C8</td>
<td>HEX BOLT, 1/2&quot;, Grade 8, Zinc-plated</td>
<td>0.17 LB / 0.08 Kg</td>
</tr>
<tr>
<td>7</td>
<td>MODEL 1110-4511-J</td>
<td>HEX JAM NUT, 1/2&quot; w/ Nylon Insert, Zinc-plated</td>
<td>0.05 LB / 0.02 Kg</td>
</tr>
<tr>
<td>8</td>
<td>MODEL 1110-4631-C5</td>
<td>HEX BOLT, 5/16&quot;, Grade 5, Zinc-plated</td>
<td>0.04 LB / 0.02 Kg</td>
</tr>
<tr>
<td>9</td>
<td>MODEL 1110-4632</td>
<td>HEX NUT, 5/16&quot; w/ Nylon Insert, Zinc-plated</td>
<td>0.01 LB / 0.01 Kg</td>
</tr>
</tbody>
</table>

**HANDLE EXTENSIONS**

**for TWISTLOCKS w/ LATCHES**

**CHASSIS | FLATBED TRAILERS**

**REPLACEMENT PARTS**

---

FITS BUFFERS 3500, 3600 & 3700 SERIES TWISTLOCKS w/ LATCHES

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7/7/21
# Handle Extensions

## for Twistlocks w/o Latches

### Chassis | Flatbed Trailers

---

### Kit Components

<table>
<thead>
<tr>
<th>Item #</th>
<th>Part #</th>
<th>Name / Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Model 1107-6942</td>
<td>Extension Bracket, HDG</td>
<td>1.05 LBS / 0.48 Kg</td>
</tr>
<tr>
<td>2</td>
<td>Model 1107-6943</td>
<td>Handle for 3’ (76 mm) extension, Zinc-plated</td>
<td>0.73 LB / 0.33 Kg</td>
</tr>
<tr>
<td>3</td>
<td>Model 1107-6944</td>
<td>Handle for 4’ (102 mm) extension, Zinc-plated</td>
<td>0.8 LB / 0.36 Kg</td>
</tr>
<tr>
<td>4</td>
<td>Model 1107-6945</td>
<td>Handle for 5’ (127 mm) extension, Zinc-plated</td>
<td>0.93 LB / 0.42 Kg</td>
</tr>
<tr>
<td>5</td>
<td>Model 1107-6946</td>
<td>Handle for 6’ (152 mm) extension, Zinc-plated</td>
<td>1.03 LBS / 0.47 Kg</td>
</tr>
<tr>
<td>6</td>
<td>Model 1110-4768-G8</td>
<td>HEX Bolt, 1/2&quot;, Grade 8, Zinc-plated</td>
<td>0.17 LB / 0.08 Kg</td>
</tr>
<tr>
<td>7</td>
<td>Model 1110-4511-J</td>
<td>HEX Jam Nut, 1/2&quot; w/ Nylon Insert, Zinc-plated</td>
<td>0.05 LB / 0.02 Kg</td>
</tr>
<tr>
<td>8</td>
<td>Model 1110-4631-G5</td>
<td>HEX Bolt, 5/16&quot;, Grade 5, Zinc-plated</td>
<td>0.04 LB / 0.02 Kg</td>
</tr>
<tr>
<td>9</td>
<td>Model 1110-4632</td>
<td>HEX Nut, 5/16” w/ Nylon Insert, Zinc-plated</td>
<td>0.01 LB / 0.01 Kg</td>
</tr>
</tbody>
</table>

---

**1107-6942 Handle Extension Bracket**

For Twistlocks w/o Latches

**1107-6943 Handle**

For 3’ (76 mm) extension, Zinc-plated

**1107-6944 Handle**

For 4’ (102 mm) extension, Zinc-plated

**1107-6945 Handle**

For 5’ (127 mm) extension, Zinc-plated

**1107-6946 Handle**

For 6’ (152 mm) extension, Zinc-plated

---

**Model 1107-6942-76-KIT**

**Weight:** 2.18 LBS / 0.99 Kg

**Model 1107-6942-102-KIT**

**Weight:** 2.25 LBS / 1.02 Kg

**Model 1107-6942-127-KIT**

**Weight:** 2.32 LBS / 1.05 Kg

**Model 1107-6942-152-KIT**

**Weight:** 2.42 LBS / 1.1 Kg

---

**Fits Buffers 3500 Series**

**Twistlocks Without Latches**

---

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---

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## HANDLE EXTENSIONS
for SCREWDOWN TWISTLOCKS
CHASSIS | FLATBED TRAILERS

### KIT COMPONENTS

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>PART #</th>
<th>NAME / DESCRIPTION</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MODEL 1107-7382</td>
<td>EXTENSION BRACKET, Zinc-plated</td>
<td>1.02 LBS / 0.46 Kg</td>
</tr>
<tr>
<td>2</td>
<td>MODEL 1107-6943</td>
<td>HANDLE for 3&quot; (76 mm) extension, Zinc-plated</td>
<td>0.73 LB / 0.33 Kg</td>
</tr>
<tr>
<td>3</td>
<td>MODEL 1107-6944</td>
<td>HANDLE for 4&quot; (102 mm) extension, Zinc-plated</td>
<td>0.8 LB / 0.36 Kg</td>
</tr>
<tr>
<td>4</td>
<td>MODEL 1107-6945</td>
<td>HANDLE for 5&quot; (127 mm) extension, Zinc-plated</td>
<td>0.93 LB / 0.42 Kg</td>
</tr>
<tr>
<td>5</td>
<td>MODEL 1107-6946</td>
<td>HANDLE for 6&quot; (152 mm) extension, Zinc-plated</td>
<td>1.03 LBS / 0.47 Kg</td>
</tr>
<tr>
<td>6</td>
<td>MODEL 1110-4531-G5</td>
<td>HEX BOLT, 1/2&quot;, Grade 5, Zinc-plated</td>
<td>0.17 LB / 0.08 Kg</td>
</tr>
<tr>
<td>7</td>
<td>MODEL 1110-4511-J</td>
<td>HEX JAM NUT, 1/2&quot; w/ Nylon Insert, Zinc-plated</td>
<td>0.05 LB / 0.02 Kg</td>
</tr>
<tr>
<td>8</td>
<td>MODEL 1110-4631-G5</td>
<td>HEX BOLT, 5/16&quot;, Grade 5, Zinc-plated</td>
<td>0.04 LB / 0.02 Kg</td>
</tr>
<tr>
<td>9</td>
<td>MODEL 1110-4632</td>
<td>HEX NUT, 5/16&quot; w/ Nylon Insert, Zinc-plated</td>
<td>0.01 LB / 0.01 Kg</td>
</tr>
</tbody>
</table>

**FITS BUFFERS SCREWDOWN TWISTLOCKS**

**WEIGHT:**
- MODEL 1107-7382-76-KIT: 2.05 LBS / 0.93 Kg
- MODEL 1107-7382-102-KIT: 2.16 LBS / 0.98 Kg
- MODEL 1107-7382-127-KIT: 2.27 LBS / 1.03 Kg
- MODEL 1107-7382-152-KIT: 2.38 LBS / 1.08 Kg

**WEIGHT:**
- MODEL 1107-7382-KIT: 1.02 LBS / 0.46 Kg
- MODEL 1107-6943-KIT: 0.73 LB / 0.33 Kg
- MODEL 1107-6944-KIT: 0.8 LB / 0.36 Kg
- MODEL 1107-6945-KIT: 0.93 LB / 0.42 Kg
- MODEL 1107-6946-KIT: 1.03 LBS / 0.47 Kg
- MODEL 1110-4531-G5-KIT: 0.17 LB / 0.08 Kg
- MODEL 1110-4511-J-KIT: 0.05 LB / 0.02 Kg
- MODEL 1110-4631-G5-KIT: 0.04 LB / 0.02 Kg
- MODEL 1110-4632-KIT: 0.01 LB / 0.01 Kg

**WEIGHT:**
- MODEL 1107-7382: 1.02 LBS / 0.46 Kg
- MODEL 1107-6943: 0.73 LB / 0.33 Kg
- MODEL 1107-6944: 0.8 LB / 0.36 Kg
- MODEL 1107-6945: 0.93 LB / 0.42 Kg
- MODEL 1107-6946: 1.03 LBS / 0.47 Kg
- MODEL 1110-4531-G5: 0.17 LB / 0.08 Kg
- MODEL 1110-4511-J: 0.05 LB / 0.02 Kg
- MODEL 1110-4631-G5: 0.04 LB / 0.02 Kg
- MODEL 1110-4632: 0.01 LB / 0.01 Kg

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FITS: BUFFERS 1101-1129 & 1101-3539 SCREWDOWN TWISTLOCKS  
1129-18 KIT WEIGHT: 0.25 LB  
1129-18-1 MATERIAL: CAST STEEL  
1129-18-1 FINISH: PRIMER  
1129-18-1 WEIGHT: 0.15 LB  
1129-18-2 MATERIAL: STAINLESS STEEL  
1129-18-2 FINISH: SELF-COLOR  
1129-18-2 WEIGHT: 0.1 LB

1/4" I.D. Ø3/8"  
3-3/4" O.D. 3/8"  

1108-1129-18-1 Latch Guide  
1108-1129-18-2 Gravity Latch Pin (supplied w/ 1110-4526-SS Split Roll Pin inserted)

FITS: DURALOC 1101-1130 TWISTLOCK  
MATERIAL: FAB. STEEL  
FINISH: ZINC-PLATED  
WEIGHT: 0.26 LB

FITS: DURALOC 1101-1130SA TWISTLOCK  
MATERIAL: FAB. STEEL  
FINISH: ZINC-PLATED  
WEIGHT: 0.1 LB

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for PINLOCKS & TWISTLOCKS
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MODEL 1108-1131-18

MATERIAL: FAB. STEEL  FINISH: PRIMER  WEIGHT: 0.6 LBS

MODEL 1108-1175-18

FITS: BUFFERS 1103-1175 PINLOCK  MATERIAL: CAST STEEL  FINISH: PRIMER  WEIGHT: 0.5 LBS

MODEL 1108-1207-18

SUB FOR: PENZ 25-38
MATERIAL: FAB. STEEL  FINISH: PRIMER  WEIGHT: 0.23 LBS

MODEL 1108-1213-18

FITS: BUFFERS 1103-1213-L/R & 1103-1318-L/R PINLOCKS
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED or HOT-DIP GALVANIZED (-HDG)  WEIGHT: 0.32 LBS

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10/16/23
**SAFETY LATCHES & TABS**
for TWISTLOCKS
CHASSIS | FLATBED TRAILERS

**MODEL 1108-1224-2L**
**MODEL 1108-1224-2R**

**LATCHES***

**1108-1224-2L**
Latch (left)

**1108-1224-2R**
Latch (right)

**MODEL 1108-1224-TAB**

**LATCH TAB***

**SUB FOR:** PENZ 25-09-XX  **WORKS WITH:** 1108-1224-TAB
**FITS:** MOST DROP-IN TWISTLOCKS  **MATERIAL:** FAB. STEEL  **FINISH:** ZINC-PLATED  **WEIGHT:** 0.19 LBS / 0.09 Kg

**SUB FOR:** PENZ 25-02/H  **WORKS WITH:** 1108-1224-L/R & 1108-1225-L/R LATCHES, 1110-4541 HEX BOLT & 1110-4542 HEX NUT  **MATERIAL:** STEEL  **FINISH:** ZINC-PLATED  **WEIGHT:** 0.13 LBS / 0.06 Kg

**LATCHES, TABS, BOLTS & NUTS ARE SOLD SEPARATELY***

**EXAMPLE INSTALLATION SHOWN**
Place Latch as close as possible to Twistlock for best Handle grip.

**ASSEMBLY VIEW**
(1224-2L shown)

**LATCHES, TABS, BOLTS & NUTS ARE SOLD SEPARATELY***

**MODEL 1108-1225-2L**
**MODEL 1108-1225-2R**

**LATCHES***

**1108-1225-2L**
Latch (left)

**1108-1225-2R**
Latch (right)

**SUB FOR:** PENZ 25-13-XX  **WORKS WITH:** 1108-1224-TAB
**FITS:** MOST DROP-IN TWISTLOCKS  **MATERIAL:** FAB. STEEL  **FINISH:** ZINC-PLATED  **WEIGHT:** 0.24 LBS / 0.11 Kg

**LATCHES, TABS, BOLTS & NUTS ARE SOLD SEPARATELY***

---

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9/18/20
SAFETY LATCHES
for PINLOCKS & TWISTLOCKS
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**MODEL 1108-1268**

- For West Lake ML-90 Pinlocks
- **SUB FOR:** PENZ 25-58, WEST LAKE 1304
- **FITS:** WEST LAKE ML-90 2/3 PINLOCKS
- **MATERIAL:** FAB. STEEL
- **FINISH:** ZINC-PLATED
- **WEIGHT:** 0.47 LBS

**MODEL 1108-1271-L**

- For West Lake ML-85 Twistlocks
- **SUB FOR:** WEST LAKE 1223
- **FITS:** WEST LAKE ML-85 2/3, ML-85 4/5 TWISTLOCKS
- **MATERIAL:** FAB. STEEL
- **FINISH:** ZINC-PLATED
- **WEIGHT:** 0.3 LBS

**MODEL 1108-1271-R**

**MODEL 1108-1345**

- **SUB FOR:** PENZ 25-06
- **FITS:** BUFFERS 1101-3506-L/R, 1101-3606-LP-L/R, 1101-3706-L/R, 1101-3707-L/R; SCHULZ F33, F33NS; PENZ 90-05, 90-05/A & 90-06 TWISTLOCKS
- **MATERIAL:** CAST STEEL
- **FINISH:** PRIMER
- **WEIGHT:** 0.84 LBS

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10/25/23
SAFETY LATCHES & TABS
for PINLOCKS & TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1108-1347
for Bertolini chassis

SUB FOR: PENVZ 25-01
FOR USE ON: BERTOLINI CHASSIS
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.13 LBS

SUB FOR: PENVZ 25-05
FOR USE ON: BERTOLINI CHASSIS
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.25 LBS

MODEL 1108-1348
GRAVITY LATCH

SUB FOR: PENVZ 25-03
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.26 LBS

MODEL 1108-1349
LATCH TAB

SUB FOR: PENVZ 25-02 & 25-04
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.13 LBS

SUB FOR: PENVZ 25-11
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.32 LBS

MODEL 1108-1350

SUB FOR: PENVZ 25-03
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.26 LBS

SUB FOR: PENVZ 25-01
FOR USE ON: BERTOLINI CHASSIS
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.26 LBS

SUB FOR: PENVZ 25-03
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.26 LBS

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9/2/20
<table>
<thead>
<tr>
<th>Model 1108-1417-18</th>
<th>Model 1108-1465</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB FOR: PENZ 25-16</td>
<td>SUB FOR: PENZ 25-21</td>
</tr>
<tr>
<td>MATERIAL: FAB. STEEL</td>
<td>MATERIAL: FAB. STEEL</td>
</tr>
<tr>
<td>FINISH: ZINC-PLATED</td>
<td>FINISH: ZINC-PLATED</td>
</tr>
<tr>
<td>WEIGHT: 0.17 LBS</td>
<td>WEIGHT: 0.38 LBS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model 1108-1468</th>
<th>Model 1108-1568</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATCH TAB U-shape</td>
<td>LATCH BRACKET for Pinlock Housing</td>
</tr>
<tr>
<td>SUB FOR: PENZ 25-27-A</td>
<td>SUB FOR: PENZ 25-16</td>
</tr>
<tr>
<td>WORKS WITH: BUFFERS 1108-2851 LATCH ASSEMBLY</td>
<td>FITS: PENZ 90-14/HDC-XX, 90-26-XX, SCHULZ FB88HL-XX PINLOCKS</td>
</tr>
<tr>
<td>MATERIAL: FAB. STEEL</td>
<td>MATERIAL: FAB. STEEL</td>
</tr>
<tr>
<td>FINISH: ZINC-PLATED</td>
<td>FINISH: ZINC-PLATED</td>
</tr>
<tr>
<td>WEIGHT: 0.17 LBS</td>
<td>WEIGHT: 0.35 LBS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model 1108-1517</th>
<th>Model 1108-1624-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIAL ORDER ONLY</td>
<td></td>
</tr>
<tr>
<td>SUB FOR: PENZ 25-10-HD</td>
<td>FITS: BUFFERS 1108-1624-L/R, PENZ 90-14/HDC-XX &amp; 90-26-XX, SCHULZ FB88HL-XX PINLOCKS</td>
</tr>
<tr>
<td>FITS: PENZ 90-14/HDC-XX, 90-26-XX, 90-26-ST-XX, 90-31-XX PINLOCKS</td>
<td>MATERIAL: CAST STEEL</td>
</tr>
<tr>
<td>MATERIAL: FAB. STEEL</td>
<td>FINISH: PRIMER</td>
</tr>
<tr>
<td>FINISH: ZINC-PLATED</td>
<td>WEIGHT: 0.23 LBS / 0.1 Kg</td>
</tr>
<tr>
<td>WEIGHT: 0.35 LBS</td>
<td>WEIGHT: 0.17 LBS</td>
</tr>
</tbody>
</table>

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**SAFETY LATCHES**
for PINLOCKS & TWISTLOCKS
CHASSIS | FLATBED TRAILERS

---

**MODEL 1108-1633**
**LATCH**

**MODEL 1108-1633-1**
**LATCH w/ WELDED SHAFT**

*These parts are SOLD SEPARATELY*

---

**MODEL 1108-1633-1**
**LATCH w/ SHAFT**
(one end welded to latch)

---

**FITS:** PENZ 25-15-2  **1633 SUB FOR:** PENZ 25-15-1
**fits:** PENZ 90-07, 90-11, 90-12, 90-16, 90-17 & 90-18 TWISTLOCKS
**MATERIAL:** FAB. STEEL  **FINISH:** PRIMER
**1633 WEIGHT:** 0.3 LBS  **1633-1 WEIGHT:** 0.6 LBS

---

**FITS:** BUFFERS 1103-1642 PINLOCK
**MATERIAL:** FAB. STEEL  **FINISH:** ZINC-PLATED
**BRACKET WEIGHT:** 1.33 LBS  **KIT WEIGHT:** 1.37 LBS

---

**MODEL 1108-1642-17**
**LATCH BRACKET**

**MODEL 1108-1642-17-KIT**
**LATCH BRACKET KIT**
Includes: 1110-4542 Nut & 1110-4637-G5 Bolt

**Fits older Buffers 1642 Pinlocks w/ open Latch area**

**Install w/ 1 ea. 1110-4637-G5 Latch Bolt & 1110-4542 Hex Nut to hold the Latch Bracket in place.**

---

**MODEL 1108-1642-18**
**Non-handed**

**FITS:** BUFFERS 1103-1642 PINLOCK
**MATERIAL:** FAB. STEEL  **FINISH:** ZINC-PLATED
**WEIGHT:** 0.45 LBS

---

**MODEL 1108-1665**

**SUB FOR:** PENZ 25-29
**FITS:** SCHULZ FB444HL PINLOCK
**MATERIAL:** FAB. STEEL  **FINISH:** PRIMER
**WEIGHT:** 0.7 LBS

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12/11/20
SAFETY LATCHES
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MODEL 1108-1785-L
for Drop-In Twistlock

MODEL 1108-1785-R
for Drop-In Twistlock

MODEL 1108-1770

SUB FOR: PENZ 25-10
FITS: PENZ 90-14 PINLOCK
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.31 LBS

MODEL 1108-1849

SUB FOR: PENZ 25-07
FOR USE ON: STRICK CHASSIS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.37 LBS

MODEL 1108-1917-18
Non-handed

SUB FOR: J.B. HUNT 18663
FITS: BUFFERS 1103-1917-L/R PINLOCKS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.07 LBS

MODEL 1108-2049

SUB FOR: PENZ 25-08
FOR USE ON: STRICK CHASSIS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.4 LBS

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SUB FOR: PENZ 25-08
FOR USE ON: STRICK CHASSIS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.4 LBS

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1108-8

3/2/23
SAFETY LATCHES & TABS
for PINLOCKS & TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1108-2050
LATCH TAB

SUB FOR: PENZ 25-25 & 25-39A
FITS: BUFFERS 1108-2050-KIT & PENZ 25-39 LATCH ASSEMBLIES
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.1 LBS

MODEL 1108-2055
GRAVITY LATCH

FITS: BUFFERS 1108-2050-KIT & PENZ 25-39 LATCH ASSEMBLIES
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.15 LBS

MODEL 1108-2050-KIT
LATCH ASSEMBLY

Kit Includes:
1108-2050 Latch Tab
1108-2055 Latch Safety Hook
1110-4525-G5 Hex Bolt
1110-4530 Hex Nut

Kit components are ALSO sold separately.

MODEL 1108-2143

FITS: SCHULZ FB55HL PINLOCK
MATERIAL: CAST STEEL  FINISH: PRIMER
WEIGHT: 1.1 LBS

SUB FOR: PENZ 25-39
FITS: BUFFERS 1108-2050-KIT & PENZ 25-39 LATCH ASSEMBLIES
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.28 LBS

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11/13/20
SAFETY LATCHES
for PINLOCKS & TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1108-2145

FITS: CMCI 2106 TWISTLOCK  FOR USE ON: SEACO CHASSIS
WORKS WITH: BUFFERS 1105-2144 PIN & 1107-2148-L/R HANDLE
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.4 LBS

MODEL 1108-2449

FOR USE ON: HYUNDAI KOREA CHASSIS
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.57 LBS

MODEL 1108-2630

SUB FOR: PENZ 25-23
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.57 LBS

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11/20/19
SAFETY LATCHES & TABS
for PINLOCKS & TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1108-2848
BRACKET TAB/CLIP

MODEL 1108-2851
LATCH ASSEMBLY

1108-2851 LATCH ASSEMBLY includes:
1108-1350 Latch (Penz 25-11)
1108-1468 Latch Bracket (Penz 25-27-A)
1110-4634 Split Roll Pin

Kit components are ALSO sold separately.

MODEL 1108-2870

MODEL 1108-2922
LATCH TAB

SUB FOR: PENZ 25-19
WORKS WITH: LATCH UA-0814N
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.145 LBS

SUB FOR: PENZ 25-34
FITS: PENZ 90-42-XX & 90-42LP-XX “HI-LOW” PINLOCKS
MATERIAL: FAB. STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.28 LBS

SUB FOR: PENZ 25-27
FITS: BUFFERS 1103-1624 & SCHULZ FB88HL PINLOCKS
MATERIAL: FAB. STEEL
WEIGHT: 0.5 LBS
LATCH & BRACKET FINISH: ZINC-PLATED

SUB FOR: PENZ 25-27
FITS: PENZ 90-42-XX & 90-42LP-XX “HI-LOW” PINLOCKS
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 0.14 LBS

MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 0.14 LBS

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1108-11
SAFETY LATCHES, PIN & TAB
for PINLOCKS & TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1108-2959-15
LATCH PIN for Height Extender Twistlock

FITS: BUFFERS 1101-2959 HEIGHT EXTENDER TWISTLOCK WORKS WITH: BUFFERS 1107-2959-4 HANDLE & 1108-2959-18 LATCH TAB MATERIAL: CAST STEEL FINISH: HOT-DIP GALVANIZED WEIGHT: 0.15 LBS / 0.07 Kg

MODEL 1108-2959-18
LATCH TAB for Height Extender Twistlock

FITS: BUFFERS 1101-2959 HEIGHT EXTENDER TWISTLOCK WORKS WITH: BUFFERS 1107-2959-4 HANDLE & 1108-2959-15 LATCH PIN MATERIAL: CAST STEEL FINISH: HOT-DIP GALVANIZED WEIGHT: 0.15 LBS / 0.07 Kg

MODEL 1108-3133-18-HDG

SPECIAL ORDER ONLY


Compare against 1108-3633-18-HDG

MODEL 1108-3151-18-HDG
SPECIAL ORDER ONLY

FITS: BUFFERS 1101-3151 & 1101-3152 TWISTLOCKS MATERIAL: CAST STEEL FINISH: HOT-DIP GALVANIZED (-HDG) or PRIMER (-PR) WEIGHT: 1 LB

MODEL 1108-3151-18-PR

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1108-12

3/17/23
SAFETY LATCHES for TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1108-3187-18
FITs: BUFFERS 1101-1133-R/NR & 1101-3187-R/NR TWISTLOCKS
MATERIAL: CAST STEEL FINISH: PRIMER WEIGHT: 1.25 LBS

MODEL 1108-3529-18
FITs: BUFFERS 1101-3529-RS/NRS, 1101-3629-RS/NRS, 1101-3729-RS/NRS & 1101-3829-RS/NRS SCREWDOWN TWISTLOCKS
MATERIAL: CAST STEEL FINISH: PRIMER or HOT-DIP GALVANIZED (-HDG) WEIGHT: 1.55 LBS

BUFFERS USA INC
“The Intermodal Hardware Specialists”
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**LATCH ASSEMBLY for HEIGHT-ADJUSTABLE TWISTLOCKS**

Buffers 1101-3600-HA series (newer style w/ Square T-Handle/Tube)

**FITS:** BUFFERS 1101-3600-HA SERIES TWISTLOCKS (newer style w/ square T-Handle/Tube)  
**WORKS WITH:** BUFFERS 1107-3600-4-SQ T-HANDLE & 1107-3600-4-9-SQ EXTENSION TUBE  
**MATERIAL:** STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 2.18 LBS / 0.99 Kg

<table>
<thead>
<tr>
<th>ITEM</th>
<th>MODEL</th>
<th>QTY.</th>
<th>DESCRIPTION</th>
<th>WEIGHT/EA.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1108-3600-HA-18-MB</td>
<td>1</td>
<td>Mounting Bracket, cast steel, zinc-plated</td>
<td>1.1 LBS / 0.5 Kg</td>
</tr>
<tr>
<td>2</td>
<td>1108-3600-HA-18-FL</td>
<td>1</td>
<td>Forked Latch, cast steel, HDG</td>
<td>0.77 LB / 0.35 Kg</td>
</tr>
<tr>
<td>3</td>
<td>1110-4791-SS</td>
<td>1</td>
<td>Hex Bolt, stainless steel</td>
<td>0.15 LB / 0.07 Kg</td>
</tr>
<tr>
<td>4</td>
<td>1110-4542-SS</td>
<td>1</td>
<td>Hex Nut w/ Nylon Insert, stainless steel</td>
<td>0.02 LB / 0.01 Kg</td>
</tr>
<tr>
<td>5</td>
<td>1108-4921-SS</td>
<td>1</td>
<td>Pull Pin Assembly, stainless steel</td>
<td>0.2 LB / 0.09 Kg</td>
</tr>
<tr>
<td>6</td>
<td>1110-4922</td>
<td>1</td>
<td>Set Screw, High Hold Cone Point</td>
<td>0.002 LB / 0.001 Kg</td>
</tr>
</tbody>
</table>
SAFETY LATCH for 3600-HA-KIT HEIGHT-ADJUSTABLE & RETRACTABLE TWISTLOCK (older design)

**IMPORTANT NOTICE**

Please note that a latch such as 1108-3600-HA-18-SL is required to prevent accidental opening of the 1101-3600-HA-KIT model lock (older style w/ 112mm Pin Sleeve). Due to the various trailer designs and limited space around this type of lock, Buffers can only offer latch assemblies that the lock installer needs to weld in place on the housing that fits each individual application.

See Catalog page 1101-40 for the 1101-3600-HA-KIT Twistlock Assembly (older/discontinued design).

**MODEL 1108-3600-HA-18-SL**

SWING LATCH ASSEMBLY* for 1101-3600-HA-KIT Height-Adjustable Twistlock (ONLY fits model WITHOUT extension tube)

**EST. WEIGHT:**
1.73 LBS / 0.79 Kg

---

ITEM # | QTY. | PART # | DESCRIPTION | MATERIAL / FINISH
--- | --- | --- | --- | ---
1 | 1 | 1101-3600-HA-18-SL-A | HINGE BRACKET | CAST STEEL / WELDABLE PRIMER
2 | 2 | 1101-3600-HA-18-SL-B | LATCH LEG | CAST STEEL / HDG
3 | 1 | 1110-4792-SS | PULL PIN | STAINLESS STEEL / SELF-COLOR
4 | 1 | 1110-4511 | HEX NUT | STD. CARBON STEEL w/ Nylon Insert / ZINC-PLATED
5 | 1 | 1110-4791-SS | HEX BOLT | STAINLESS STEEL / SELF-COLOR
6 | 1 | 1110-4542-SS | HEX NUT | STAINLESS STEEL w/ Nylon Insert / SELF-COLOR

---

**SWING LATCH ASSEMBLY** shown mounted on the 1101-3600-HA-KIT Twistlock WITHOUT extension tube* (sold separately):

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5/4/23
SAFETY LATCHES
for TWISTLOCKS
CHASSIS | FLATBED TRAILERS

MODEL 1108-3633-18
LATCH for RETRACTABLE TWISTLOCKS
Fits: Buffers 3100, 3500, 3600, 3700, 3800 & 3900 series
Material: Cast Steel
Finish: Primer or Hot-Dip Galvanized (-HDG)
Weight: 1.38 lbs

MODEL 1108-3633-18-KIT-HDG
LATCH KIT for 3633-R-HDG Twistlock includes:
1 ea. 1108-3633-18-HDG Latch, 1110-3533-19 Latch Spring, 1110-4542-SS Hex Nut & 1110-4641 Hex Bolt

MODEL 1108-3634-18
LATCH for NON-RETRACTABLE TWISTLOCKS
Material: Cast Steel
Finish: Primer
Weight: 1.34 lbs

MODEL 1108-3817-18
LATCH for NON-RETRACTABLE TWISTLOCKS
Fits: Buffers 1101-3817-L/R NON-RETRACTABLE TWISTLOCKS w/ LIGHT HOLES
Material: Cast Steel
Finish: Weldable Red Primer
Weight: 0.37 lbs

BUFFERS USA INC
“The Intermodal Hardware Specialists”

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1108-16

[return to Table of Contents]
**SAFETY LATCHES**

for PINLOCKS & TWISTLOCKS

CHASSIS | FLATBED TRAILERS

---

**MODEL 1108-6307-L**

LATCH for 1642-L/R PINLOCKS

Special repair to 1642-18 Latch
due to broken stanchion

**MODEL 1108-6307-R**

**MODEL 1108-6368-KIT**

**MODEL 1108-7354**

---

**FITs:** BUFFERS 1103-1642 PINLOCK

(when replacing broken stanchion on 1108-1642-18 Latch)

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT (ea.):** 0.24 LB

**SUB FOR:** PENZ 25-17

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 0.39 LBS

---

**SUB FOR:** HOLLAND REPAIR KIT GL-726-099-199

**FITS:** HOLLAND NON-RETRACTABLE GL-726-099-195-F

& RETRACTABLE GL-726-099-196 TWISTLOCKS

**6368 MATERIAL:** CAST STEEL

**6368 FINISH:** PRIMER

**4666 MATERIAL:** FORGED STEEL

**4666 FINISH:** ZINC-PLATED

**4512 MATERIAL:** STEEL

**4512 FINISH:** ZINC-PLATED

**4513-SS MATERIAL:** STAINLESS STEEL

**4513-SS FINISH:** MILLED

**6368-KIT WEIGHT:** 2.54 LBS

---

**Latch & Pin are NOT sold separately; Cotter Pin & Washer ARE sold separately.**

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5/4/23
### RISER BLOCKS & SHEAR BLOCKS for TWISTLOCKS

#### CHASSIS

**SUB FOR:** PENZ 21-04  
**MATERIAL:** CAST STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 0.34 LBS / 0.15 Kg

**MODEL 1109-1484**  
**RISER BLOCK**

<table>
<thead>
<tr>
<th>Diameter B</th>
<th>A</th>
<th>B</th>
<th>WEIGHT</th>
<th>SUB FOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4&quot;</td>
<td>1&quot;</td>
<td>1-9/16&quot;</td>
<td>1.75 LBS / 0.79 Kg</td>
<td>PENZ 21-09</td>
</tr>
<tr>
<td>1-1/8&quot;</td>
<td>1-1/8&quot;</td>
<td>1-9/16&quot;</td>
<td>1.9 LBS / 0.86 Kg</td>
<td>PENZ 21-10</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>1-1/4&quot;</td>
<td>1-9/16&quot;</td>
<td>2.13 LBS / 0.97 Kg</td>
<td>PENZ 21-11</td>
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<tr>
<td>1-1/8&quot;</td>
<td>1-3/8&quot;</td>
<td>1-9/16&quot;</td>
<td>2.39 LBS / 1.08 Kg</td>
<td>PENZ 21-12</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>1-1/2&quot;</td>
<td>1-9/16&quot;</td>
<td>2.65 LBS / 1.20 Kg</td>
<td>PENZ 21-13</td>
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<tr>
<td>1-1/8&quot;</td>
<td>1-5/8&quot;</td>
<td>1-9/16&quot;</td>
<td>2.80 LBS / 1.27 Kg</td>
<td>PENZ 21-14</td>
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<tr>
<td>1-1/4&quot;</td>
<td>1-3/8&quot;</td>
<td>1-25/32&quot;</td>
<td>2.15 LBS / 0.97 Kg</td>
<td>PENZ 21-15</td>
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<tr>
<td>1-1/8&quot;</td>
<td>1-1/8&quot;</td>
<td>2-1/32&quot;</td>
<td>1.5 LBS / 0.68 Kg</td>
<td>PENZ 21-16</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>1-1/4&quot;</td>
<td>2-1/32&quot;</td>
<td>1.7 LBS / 0.77 Kg</td>
<td>PENZ 21-17</td>
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<tr>
<td>1-1/8&quot;</td>
<td>1-3/8&quot;</td>
<td>2-1/32&quot;</td>
<td>1.9 LBS / 0.86 Kg</td>
<td>PENZ 21-18</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>1-7/16&quot;</td>
<td>2-1/32&quot;</td>
<td>2.0 LBS / 0.91 Kg</td>
<td>PENZ 21-19</td>
</tr>
<tr>
<td>1-1/8&quot;</td>
<td>1-1/2&quot;</td>
<td>2-1/32&quot;</td>
<td>2.0 LBS / 0.91 Kg</td>
<td>PENZ 21-20</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>1-5/8&quot;</td>
<td>2-1/32&quot;</td>
<td>2.2 LBS / 0.99 Kg</td>
<td>PENZ 21-21</td>
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<tr>
<td>1-1/8&quot;</td>
<td>1-7/16&quot;</td>
<td>2-1/32&quot;</td>
<td>2.3 LBS / 1.04 Kg</td>
<td>PENZ 21-22</td>
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<tr>
<td>1-1/4&quot;</td>
<td>1-11/16&quot;</td>
<td>2-1/32&quot;</td>
<td>2.0 LBS / 0.91 Kg</td>
<td>PENZ 21-23</td>
</tr>
</tbody>
</table>

**MODEL 1109-1132-3**  
**RISER BLOCK**

**MODEL 1109-1132-3-HDG**  
**SHEAR BLOCK**

**FITS:** BUFFERS 1101-1132 & 3701-1159 TWISTLOCKS  
**MATERIAL:** CAST STEEL  
**1132-3 FINISH:** PRIMER  
**1132-3 WEIGHT:** 2.2 LBS / 1 Kg  
**1132-3-HDG FINISH:** HOT-DIP GALVANIZED  
**1132-3-HDG WEIGHT:** 2.45 LBS / 1.11 Kg

**MODEL 1109-1132-3**

**DIA. 1-1/4\"**

**O.D. 3-27/32\"**

**97.5 MM**

**I.D. 1-17/32\"**

**59.5 MM**

**MODEL 1109-1132-3-HDG**

**DIA. 1-1/4\"**

**O.D. 3-27/32\"**

**97.5 MM**

**I.D. 1-17/32\"**

**59.5 MM**

**SUB FOR:** PENZ 21-09  
**PENZ 21-10  
**PENZ 21-11  
**PENZ 21-12  
**PENZ 21-13  
**PENZ 21-14  
**PENZ 21-15  
**PENZ 21-16  
**PENZ 21-17  
**PENZ 21-18  
**PENZ 21-19  
**PENZ 21-20  
**PENZ 21-21  
**PENZ 21-22  
**PENZ 21-23  
**PENZ 21-24  

**RISER BLOCKS**

**MATERIAL:** CAST STEEL  
**FINISH:** PRIMER

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3/24/21

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**BUFFERS USA INC**

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**RISER BLOCKS & INSERT BUSHING**
for TWISTLOCKS

**CHASSIS**

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**SUB FOR:** PENZ 21-24
**MATERIAL:** CAST STEEL  **FINISH:** PRIMER  **WEIGHT:** 2.05 LBS / 0.93 Kg

---

**SUB FOR:** PENZ 21-25
**FITS:** PENZ 90-38/KIT-XX DROP-IN TWISTLOCKS  **MATERIAL:** CAST STEEL  **FINISH:** PRIMER  **WEIGHT:** 3.15 LBS / 1.43 Kg

---

**INSERT BUSHING**
for Buffers 3133, 3190 & 3423
Non-Retractable Twistlocks

**FITS:** BUFFERS 1101-3133-NR, 1101-3190-NR & 1101-3423-NR NON-RETRACTABLE TWISTLOCKS  **MATERIAL:** CAST STEEL  **FINISH:** PRIMER  **WEIGHT:** 1.8 LBS / 0.82 Kg

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**Buffers USA INC**

“The Intermodal Hardware Specialists”
**RISER BLOCK & SHEAR BLOCKS**
for TWISTLOCKS

**CHASSIS | FLATBED TRAILERS**

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**MODEL 1109-2842**
RISER BLOCK w/ Housing

**SUB FOR:** PENZ 21-31
**MATERIAL:** CAST STEEL
**FINISH:** PRIMER
**WEIGHT:** 3.85 LBS / 1.74 Kg

---

**MODEL 1109-3151-3-P**
**SPECIAL ORDER ONLY**
**FITS:** BUFFERS 1101-3151 & 1101-3152 FLATBED TWISTLOCKS
**MATERIAL:** CAST STEEL
**FINISH:** PRIMER (-P)
or HOT-DIP GALVANIZED (-HDG)

**WEIGHT:** 2 LBS / 0.91 Kg

---

**MODEL 1109-3151-3-HDG**
**SPECIAL ORDER ONLY**
**FITS:** BUFFERS 1101-3151 & 1101-3152 FLATBED TWISTLOCKS
**MATERIAL:** CAST STEEL
**FINISH:** PRIMER (-P)
or HOT-DIP GALVANIZED (-HDG)

**WEIGHT:** 2 LBS / 0.91 Kg

---

**MODEL 1109-3532-3**
**WORKS WITH:** BUFFERS 1101-3532 SERIES RETRACTABLE FLATBED TWISTLOCKS
**MATERIAL:** CAST STEEL
**FINISH:** PRIMER

**WEIGHT:** 1.9 LBS / 0.86 Kg

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10/27/22
WORKS WITH: BUFFERS 3500 & 3600 SERIES CHASSIS TWISTLOCKS, 1101-3733-R & 1101-3836-R FLATBED TWISTLOCKS
MATERIAL: CAST STEEL  FINISH: PRIMER
WEIGHT: 1.9 LBS / 0.86 Kg

WORKS WITH: BUFFERS 1101-3539-RS/-NRS FLATBED TWISTLOCKS
MATERIAL: CAST STEEL  FINISH: PRIMER
WEIGHT: 2.18 LBS / 0.99 Kg

WORKS WITH: BUFFERS 1101-3539-RS/-NRS CHASSIS & 1101-3729-RS/-NRS FLATBED TWISTLOCKS
MATERIAL: CAST STEEL  FINISH: PRIMER
WEIGHT: 1.98 LBS / 0.9 Kg

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**SHEAR BLOCK**

for TWISTLOCKS

CHASSIS

---

**MODEL 1109-3837-3**

WORKS WITH: BUFFERS 1101-3837-R/-NR & 1101-3843-R/-NR CHASSIS TWISTLOCKS

MATERIAL: CAST STEEL  
FINISH: PRIMER  
WEIGHT: 2.09 LBS / 0.95 Kg

---

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
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</thead>
<tbody>
<tr>
<td>I.D.</td>
<td>1-17/32&quot; (Ø38.8 MM)</td>
</tr>
<tr>
<td>O.D.</td>
<td>3-23/32&quot; (Ø94.2 MM)</td>
</tr>
<tr>
<td></td>
<td>2-3/16&quot; (55.6 MM)</td>
</tr>
<tr>
<td></td>
<td>1-5/16&quot; (33.5 MM)</td>
</tr>
<tr>
<td></td>
<td>1/4&quot; (7 MM)</td>
</tr>
</tbody>
</table>

---

**BUFFERS USA INC**

“The Intermodal Hardware Specialists”

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10/25/22
HOUSINGS & RISER BLOCK
for DROP-IN TWISTLOCKS

MODEL 1109-1257-1
MODEL 1109-1257-1-SC


MATERIAL: CAST STEEL  FINISH: PRIMER or SELF-COLOR (-SC)  WEIGHT: 3.5 LBS / 1.59 Kg

MODEL 1109-1690-1
MODEL 1109-1690-1-SC

WORKS WITH: BUFFERS 1102-1690-L/R, 1102-1691 DROP-IN TWISTLOCKS

MATERIAL: CAST STEEL  FINISH: PRIMER or SELF-COLOR (-SC)  WEIGHT: 3.17 LBS / 1.44 Kg

SUB FOR: PENZ 21-32  FITS: BUFFERS 1102-1625-L/R & PENZ 90-41-XXF DROP-IN TWISTLOCKS

MATERIAL: CAST STEEL  FINISH: WELDABLE PRIMER  WEIGHT: 3.1 LBS / 1.41 Kg
Housings for Drop-In Twistlocks

**Model 1109-3027-1**
- **Housing**
- **Works With:** Buffers 1102-3027-L/R Drop-In Twistlocks
- **Material:** Cast Steel
- **Finish:** Primer
- **Weight:** 2.64 LBS / 1.2 Kg

**Model 1109-3247-1**
- **Housing**
- **Works With:** Buffers 1102-3247-L/R Drop-In Twistlocks
- **Material:** Cast Steel
- **Finish:** Primer
- **Weight:** 3.08 LBS / 1.4 Kg

**Model 1109-3248-1**
- **Housing**
- **Works With:** Buffers 1102-3248-L/R Drop-In Twistlocks
- **Material:** Cast Steel
- **Finish:** Primer
- **Weight:** 3.56 LBS / 1.62 Kg

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10/27/22
WORKS WITH: BUFFERS 1102-3270-LH/RH, 1102-3290-LH/RH DROP-IN TWISTLOCKS

MATERIAL: CAST STEEL  FINISH: PRIMER  WEIGHT: 2.64 LBS / 1.2 Kg
**WORKS WITH:** 1106-8706 PIN for 1103-1175 & 1103-1213 PINLOCKS  
**MATERIAL:** CHROMOLY STEEL  
**FINISH:** WELDABLE PRIMER  
**WEIGHT:** 0.22 LBS / 0.1 Kg

### MODEL 1109-7360

**PINLOCK GUIDE BOSS**  
W/ dual Ø7/16" side holes

- **SUB FOR:** PENZ 40-15  
- **MATERIAL:** FAB. STEEL  
- **FINISH:** PRIMER  
- **WEIGHT:** 0.43 LBS / 0.2 Kg

### MODEL 1109-8705

**PIN REDUCING SLEEVE**  
I.D. 40 MM to 33.5 MM

- **USE WITH:** PIN 1106-8706  
  (see catalog pg. 1106-15)  
- **SUB FOR:**  
- **MATERIAL:** CHROMOLY STEEL  
- **FINISH:** WELDABLE PRIMER  
- **WEIGHT:** 0.22 LBS / 0.1 Kg

### TABLE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Item Description</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>WEIGHT</th>
<th>FINISH</th>
<th>SUB FOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1109-4510</td>
<td>Pinlock Guide Boss</td>
<td>2&quot; / 50.8 MM</td>
<td>3-3/8&quot; / 80.5 MM</td>
<td>1-1/4&quot; / 6.4 MM</td>
<td>0.61 LBS / 0.28 Kg</td>
<td>Primer</td>
<td>Penz 21-29</td>
</tr>
<tr>
<td>1109-4515</td>
<td>Std. R/NR Tub Bushing</td>
<td>1-9/16&quot; / 39.7 MM</td>
<td>2-3/8&quot; / 60.2 MM</td>
<td>7-3/2&quot; / 6 MM</td>
<td>0.16 LBS / 0.07 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
</tr>
<tr>
<td>1109-4517</td>
<td>Std. R/NR Tub Bushing</td>
<td>1-9/16&quot; / 39.7 MM</td>
<td>2-11/32&quot; / 59.5 MM</td>
<td>19-3/2&quot; / 15.1 MM</td>
<td>0.1 LBS / 0.05 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
</tr>
<tr>
<td>1109-4520</td>
<td>Twistlock Bushing</td>
<td>1-9/16&quot; / 39.7 MM</td>
<td>2-11/32&quot; / 59.5 MM</td>
<td>3-8&quot; / 9.5 MM</td>
<td>0.27 LBS / 0.12 Kg</td>
<td>HDG</td>
<td>Penz 40-24</td>
</tr>
<tr>
<td>1109-4523</td>
<td>Bushing</td>
<td>1-9/16&quot; / 39.7 MM</td>
<td>2-11/32&quot; / 59.5 MM</td>
<td>9-3/2&quot; / 7 MM</td>
<td>0.13 LBS / 0.06 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
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<tr>
<td>1109-4527</td>
<td>Drop-In Tub Bushing</td>
<td>1-9/16&quot; / 39.7 MM</td>
<td>2-11/32&quot; / 59.5 MM</td>
<td>1-8&quot; / 3.2 MM</td>
<td>0.08 LBS / 0.04 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
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<tr>
<td>1109-4532</td>
<td>Bushing/Guide Boss</td>
<td>1-9/16&quot; / 39.7 MM</td>
<td>2-1/2&quot; / 63.5 MM</td>
<td>5/8&quot; / 15.9 MM</td>
<td>1 LB / 0.45 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
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<tr>
<td>1109-4563</td>
<td>Twistlock Guide Boss</td>
<td>1-9/16&quot; / 39.7 MM</td>
<td>2&quot; / 50.8 MM</td>
<td>11-3/2&quot; / 29 MM</td>
<td>0.12 LBS / 0.06 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
</tr>
<tr>
<td>1109-4572</td>
<td>Pinlock Guide Boss</td>
<td>1-9/16&quot; / 39.7 MM</td>
<td>2&quot; / 50.8 MM</td>
<td>1-1/4&quot; / 31.8 MM</td>
<td>0.43 LBS / 0.2 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
</tr>
<tr>
<td>1109-4573</td>
<td>Pinlock Guide Boss</td>
<td>1-9/16&quot; / 39.7 MM</td>
<td>2&quot; / 50.8 MM</td>
<td>4&quot; / 101.6 MM</td>
<td>1.39 LBS / 0.63 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
</tr>
<tr>
<td>1109-4600</td>
<td>Pinlock Guide Boss</td>
<td>2&quot; / 50.8 MM</td>
<td>3/16&quot; / 4.8 MM</td>
<td>9/32&quot; / 7 MM</td>
<td>0.16 LBS / 0.07 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
</tr>
<tr>
<td>1109-4601</td>
<td>Pinlock Guide Boss</td>
<td>2&quot; / 50.8 MM</td>
<td>5/32&quot; / 1.6 MM</td>
<td>7/32&quot; / 5.6 MM</td>
<td>0.13 LBS / 0.06 Kg</td>
<td>Primer</td>
<td>Penz 80-24</td>
</tr>
</tbody>
</table>

**USE WITH:** PIN 1106-8706  
(see catalog pg. 1106-15)  

**SUB FOR:**  
**MATERIAL:** STEEL  
**FINISH:** PRIMER  
**WEIGHT:** 0.43 LBS / 0.2 Kg

---

**BUFFERS USA INC**  
“The Intermodal Hardware Specialists”  
904-696-0010  
E-mail: sales@buffersusa.com  
10/16/23
## MODEL 1110-1132-5 Shown Illustrated

**MATERIAL:** STEEL  
**FINISH:** PRIMER or HOT-DIP GALVANIZED (-HDG)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>WEIGHT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1110-1132-5</td>
<td>3-13/16&quot;/Ø97.5mm</td>
<td>2-5/16&quot;/Ø59.5mm</td>
<td>1-9/16&quot;/Ø39mm</td>
<td>5/16&quot;/8mm</td>
<td>0.57 LBS / 0.26 Kg</td>
</tr>
<tr>
<td>1110-3133-5</td>
<td>3-11/16&quot;/Ø94mm</td>
<td>2-3/16&quot;/Ø56mm</td>
<td>1-9/16&quot;/Ø39mm</td>
<td>5/16&quot;/8mm</td>
<td>0.51 LBS / 0.23 Kg</td>
</tr>
<tr>
<td>1110-3152-5</td>
<td>3-15/16&quot;/Ø99.5mm</td>
<td>2-5/16&quot;/Ø59.5mm</td>
<td>1-9/16&quot;/Ø39mm</td>
<td>1/4&quot;/6mm</td>
<td>0.44 LBS / 0.2 Kg</td>
</tr>
<tr>
<td>1110-3532-5</td>
<td>3-15/16&quot;/Ø97.5mm</td>
<td>2-5/16&quot;/Ø59.5mm</td>
<td>1-7/8&quot;/Ø47.5mm</td>
<td>5/16&quot;/8mm</td>
<td>0.51 LBS / 0.23 Kg</td>
</tr>
<tr>
<td>1110-3533-5</td>
<td>3-11/16&quot;/Ø94mm</td>
<td>2-1/4&quot;/Ø57mm</td>
<td>1-7/8&quot;/Ø47.5mm</td>
<td>5/16&quot;/8mm</td>
<td>0.39 LBS / 0.18 Kg</td>
</tr>
<tr>
<td>1110-3533-5-HDG</td>
<td>3-11/16&quot;/Ø94mm</td>
<td>2-1/4&quot;/Ø57mm</td>
<td>1-7/8&quot;/Ø47.5mm</td>
<td>5/16&quot;/8mm</td>
<td>0.39 LBS / 0.18 Kg</td>
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<tr>
<td>1110-3600-5</td>
<td>4-1/4&quot;/Ø108mm</td>
<td>2-7/16&quot;/Ø61mm</td>
<td>2-1/16&quot;/Ø52mm</td>
<td>7/16&quot;/10mm</td>
<td>0.71 LBS / 0.32 Kg</td>
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<tr>
<td>1110-3837-5</td>
<td>3-11/16&quot;/Ø94mm</td>
<td>2-1/4&quot;/Ø57mm</td>
<td>1-7/8&quot;/Ø47.5mm</td>
<td>5/16&quot;/7mm</td>
<td>0.4 LBS / 0.18 Kg</td>
</tr>
</tbody>
</table>
FITS: BUFFERS 1101-1130-SA TWISTLOCK
MATERIAL: STAINLESS STEEL
WEIGHT: 0.14 LBS / 63.5 g

FITS: BERTOLINI
MATERIAL: SPRING STEEL
WEIGHT: 0.43 LBS / 192.8 g

FITS: PENZ 50-13
MATERIAL: SPRING STEEL
WEIGHT: 0.08 LBS / 36.2 g

FITS: PENZ 50-25
MATERIAL: SPRING STEEL
WEIGHT: 0.07 LBS / 31.8 g

FITS: PENZ 50-14
MATERIAL: SPRING STEEL
WEIGHT: 0.17 LBS / 77.1 g

FITS: PENZ 50-15
MATERIAL: SPRING STEEL
WEIGHT: 0.07 LBS / 31.8 g

FITS: SCHULZ FB44HL PINLOCK LATCH
MATERIAL: SPRING STEEL
WEIGHT: 0.02 LBS / 9.07 g

FITS: THEURER
MATERIAL: SPRING STEEL
WEIGHT: 0.27 LBS / 122.5 g

FITS: THEURER
MATERIAL: SPRING STEEL
WEIGHT: 0.17 LBS / 77.1 g

SUB FOR: PENZ 50-16
MATERIAL: SPRING STEEL
WEIGHT: 0.07 LBS / 31.8 g

SUB FOR: PENZ 50-12
FITS: BERTOLINI
MATERIAL: SPRING STEEL
WEIGHT: 0.43 LBS / 192.8 g

SUB FOR: PENZ 50-13
MATERIAL: SPRING STEEL
WEIGHT: 0.08 LBS / 36.2 g

SUB FOR: PENZ 50-14
MATERIAL: SPRING STEEL
WEIGHT: 0.17 LBS / 77.1 g

SUB FOR: PENZ 50-15
MATERIAL: SPRING STEEL
WEIGHT: 0.07 LBS / 31.8 g

SUB FOR: PENZ 50-16
MATERIAL: SPRING STEEL
WEIGHT: 0.27 LBS / 122.5 g

BUFFERS USA INC
“The Intermodal Hardware Specialists”

904-696-0010
E-mail: sales@buffersusa.com

12/14/20
TWISTLOCK SPRINGS
CHASSIS | FLATBED TRAILERS

MODEL 1110-3706-19L
LATCH SPRING

MODEL 1110-3706-19R
LATCH SPRING

FITS: BUFFERS TWISTLOCKS: 1102-1257, 1102-1259, 1102-1259, SCHULZ F26NS, F33NS, F33SLNS, F66NS, QA12NS, QA15NS, QA18NS, R318NS, VK21RT & RQ36NS TWISTLOCKS
WORKS WITH: BUFFERS 1110-4562 DETENT BALL
MATERIAL: SPRING STEEL
WEIGHT: 0.008 LB / 3.63 g

MODEL 1110-3533-19
LATCH SPRING

MODEL 1110-4502
DETENT SPRING

FITS: BUFFERS TWISTLOCKS: 11131, 12066, 1207 series, 1217, 3206, 3406, 3407, 3706, 3707 & 3817
MATERIAL: SS SPRING WIRE
FINISH: SELF-COLOR
WEIGHT: 0.02 LB / 9 g

MODEL 1110-4550
DETENT SPRING

SUB FOR: PENZ 50-20
FITS: BUFFERS 1102-1257, 1102-1259, 1102-3259, SCHULZ F26NS, F33NS, F33SLNS, F66NS, QA12NS, QA15NS, QA18NS, R318NS, VK21RT & RQ36NS TWISTLOCKS
WORKS WITH: BUFFERS 1110-4549 DETENT BALL
MATERIAL: SPRING STEEL
WEIGHT: 0.008 LB / 3.63 g

MODEL 1110-4577
DETENT SPRING

MODEL 1110-4581
DETENT SPRING

SUB FOR: WEST LAKE 1226
WORKS WITH: BUFFERS 1110-4562 DETENT BALL
MATERIAL: SPRING STEEL
WEIGHT: 0.003 LB / 1.45 g

MATERIAL: SPRING STEEL
FINISH: SELF-COLOR
WEIGHT: 0.003 LB / 1.45 g
**O.D. 2-1/4” Ø57 MM**

**O.D. 2-19/32” Ø66 MM**

**O.D. 3/8” Ø10 MM**

**SUB FOR:** PENZ 16-01

**WORKS WITH:** BUFFERS & PENZ TWISTLOCKS

**MATERIAL:** CHROME ALLOY

**WEIGHT:** 0.008 LBS / 3.63 g

**FITS:** BUFFERS 1101-1206-L/R TWISTLOCKS

**MATERIAL:** CAST STEEL

**FINISH:** PRIMER

**WEIGHT:** 0.3 LBS / 0.13 Kg

---

**SUB FOR:** PENZ 16-02

**FITS:** BUFFERS 1102-1257, 1102-1259, 1102-3259, SCHULZ F26NS, F33NS, F33SLNS, F66NS, QA12NS, QA15NS, QA18NS, RQ36NS, QA18NS, QA15NS, QA18NS, RQ36NS, QA18NS, QA15NS, QA18NS, RQ36NS & VK21RT TWISTLOCKS

**WORKS WITH:** BUFFERS 1110-4550 SPRING

**MATERIAL:** CHROME ALLOY

**WEIGHT:** 0.012 LBS / 5.44 g

---

**SUB FOR:** WEST LAKE 0154

**FITS:** CMCI, SCHULZ JL-85-1/2/3/4, WEST LAKE WL60-4/6, WL60-16, WL85-2/3/4/5, WL100-2/3 TWISTLOCKS

**WORKS WITH:** BUFFERS 1110-4577 SPRING

**MATERIAL:** CHROME ALLOY

**WEIGHT:** 0.005 LBS / 2.27 g

---

**LIGHT HOLE PLUG COVER**

(2 pcs. per hole needed)

**FITS:** BUFFERS 1101-1206-L/R TWISTLOCKS

**MATERIAL:** CAST STEEL

**FINISH:** PRIMER

**WEIGHT:** 0.3 LBS / 0.13 Kg

---

**LIGHT HOLE PLUG**

for Sidelight Twistlocks

**MATERIAL:** EPDM RUBBER

**COLOR:** BLACK

**WEIGHT:** 0.06 LBS / 0.03 Kg

---

**CONTACT:**

BUFFERS USA INC

“The Intermodal Hardware Specialists”

E-mail: sales@buffersusa.com
PIN NUT WRENCHES
for SCREWDOWN TWISTLOCKS
CHASSIS | FLATBED TRAILERS

WORKS WITH: 1110-3629-14 PIN NUT (1" tall, used on Buffers 3539 series Screwdown Twistlocks)
MATERIAL: CAST STEEL  FINISH: HOT-DIP & SPIN GALVANIZED  WEIGHT: 2.19 LBS / 0.99 Kg

WORKS WITH: 1110-1129-14 PIN NUT (1" tall, used on Buffers 3539 series Screwdown Twistlocks)
MATERIAL: CAST STEEL  FINISH: HOT-DIP & SPIN GALVANIZED  WEIGHT: 2.19 LBS / 0.99 Kg

BUFFERS USA INC
“The Intermodal Hardware Specialists”

904-696-0010
E-mail: sales@buffersusa.com
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## STEEL PANELS & STRUCTURAL STEEL

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<td>PLATE STEEL</td>
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<td>1210-8</td>
<td>CROSSMEMBER</td>
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<td>1211-19</td>
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<td>SIDE WALL POSTS</td>
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<td>SIDE POSTS w/ LOGISTIC SLOTS</td>
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<td>1212-5</td>
<td>ROOF BOWS &amp; ASSEMBLIES</td>
</tr>
</tbody>
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FRONT CORNER POSTS
DRY VAN TRAILERS

LENGTH: 103-3/16” / 2,621 MM
MATERIAL: HOT-ROLLED STEEL
FINISH: HOT-DIP GALVANIZED (HDG)
WEIGHT: 41.05 LBS / 18.62 Kg

Model 1205-2748-L shown dimensioned.

FRONT CORNER POST
Curbside
SUB FOR: HYUNDAI 20006821

FRONT CORNER POST
Roadside
SUB FOR: HYUNDAI 20006820

I.D. 1/4’ HOLES (TYP)
Ø6.7 MM

BUFFERS USA INC
“The Intermodal Hardware Specialists”
CORNER BRACKETS
DOMCON CONTAINERS
DRY & REEFER VAN TRAILERS

MODEL 1206-1171
MODEL 1206-1171-SS

FITS: DOMESTIC CONTAINERS
MATERIAL: CAST STEEL & STAINLESS STEEL (-SS)
FINISH: SELF-COLOR
WEIGHT: 4.4 LBS / 2 Kg

MODEL 1206-1170-F
MODEL 1206-1170-SS

FITS: VAN TRAILERS
MATERIAL: FORGED STEEL (-F) & STAINLESS STEEL (-SS)
FINISH: SELF-COLOR
WEIGHT: 2.5 LBS / 1.1 Kg

BUFFERS USA INC
“The Intermodal Hardware Specialists”

904-696-0010
E-mail: sales@buffersusa.com

5/28/21
### Angle Bars

**Model:** | Ø A | Length | Weight
---|---|---|---
1207-6169 | 2" | 8' / 2,438 MM | 19.7 LBS / 8.9 Kg
1207-6170 | 2" | 10' / 3,048 MM | 24.2 LBS / 11 Kg
1207-6171 | 2" | 10' / 3,048 MM | 30.6 LBS / 13.9 Kg
1207-6172 | 2" | 10' / 3,048 MM | 37 LBS / 16.8 Kg
1207-6173 | 2" | 10' / 3,048 MM | 56.1 LBS / 25.42 Kg
1207-6174 | 5" | 10' / 3,048 MM | 62.5 LBS / 28.3 Kg

### Round Stock

**Model:** | Ø A | Length | Weight
---|---|---|---
1207-6143 | 1/4" / 6.4 MM | 20' / 6,096 MM | 3.3 LBS / 1.5 Kg
1207-6144 | 3/8" / 9.5 MM | 20' / 6,096 MM | 15 LBS / 6.8 Kg
1207-6144-8-1/2 | 3/8" / 9.5 MM | 8-1/2' / 2,591 MM | 8 LBS / 3.63 Kg
1207-6145 | 1/2" / 12.7 MM | 20' / 6,096 MM | 13.2 LBS / 5.99 Kg
1207-6146 | 5/8" / 15.9 MM | 20' / 6,096 MM | 20 LBS / 9.07 Kg
1207-6147 | 3/4" / 19.1 MM | 20' / 6,096 MM | 30 LBS / 13.6 Kg
1207-6148 | 7/8" / 22.2 MM | 20' / 6,096 MM | 41 LBS / 18.6 Kg
1207-6149 | 1" / 25.4 MM | 20' / 6,096 MM | 53.4 LBS / 24.2 Kg
1207-6150 | 1-1/4" / 31.9 MM | 20' / 6,096 MM | 87.5 LBS / 39.7 Kg

---

**Material:** HRS  
**Steel:** Self-Color  
**SPECIAL ORDER ONLY**
### SQUARE TUBING

<table>
<thead>
<tr>
<th>MODEL</th>
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<th>B</th>
<th>LENGTH</th>
<th>WEIGHT</th>
<th>MATERIAL / FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIAL ORDER</td>
<td>1&quot;</td>
<td>1/8&quot;</td>
<td>24' / 7,315 MM</td>
<td>34 LBS / 15.4 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>SPECIAL ORDER</td>
<td>2&quot;</td>
<td>3/16&quot;</td>
<td>24' / 7,315 MM</td>
<td>108 LBS / 49 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1208-2134</td>
<td>2-3/8&quot;</td>
<td>5/32&quot;</td>
<td>18' 8&quot; / 5,700 MM</td>
<td>65.1 LBS / 29.5 Kg</td>
<td>CORTEN / PRIMER</td>
</tr>
<tr>
<td>SPECIAL ORDER</td>
<td>4&quot;</td>
<td>3/16&quot;</td>
<td>24' / 7,315 MM</td>
<td>230 LBS / 104.3 Kg</td>
<td>HRS / SELF-COLOR</td>
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<tr>
<td>SPECIAL ORDER</td>
<td>4&quot;</td>
<td>3/16&quot;</td>
<td>12' / 3,657 MM</td>
<td>115 LBS / 52.1 Kg</td>
<td>HRS / SELF-COLOR</td>
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<tr>
<td>SPECIAL ORDER</td>
<td>6&quot;</td>
<td>1/4&quot;</td>
<td>20' / 6,096 MM</td>
<td>383 LBS / 173.9 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>SPECIAL ORDER</td>
<td>6&quot;</td>
<td>1/4&quot;</td>
<td>10' / 3,048 MM</td>
<td>191.5 LBS / 86.8 Kg</td>
<td>HRS / SELF-COLOR</td>
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### RECTANGULAR TUBING

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>LENGTH</th>
<th>WEIGHT</th>
<th>MATERIAL / FINISH</th>
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<tbody>
<tr>
<td>SPECIAL ORDER</td>
<td>2&quot;</td>
<td>4&quot;</td>
<td>3/32&quot;</td>
<td>19' / 5,791 MM</td>
<td>62 LBS / 28.1 Kg</td>
<td>CORTEN / PRIMER</td>
</tr>
<tr>
<td>SPECIAL ORDER</td>
<td>2&quot;</td>
<td>4&quot;</td>
<td>3/16&quot;</td>
<td>24' / 7,315 MM</td>
<td>168.4 LBS / 76.4 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1207-6155</td>
<td>2&quot;</td>
<td>6&quot;</td>
<td>1/4&quot;</td>
<td>4' / 1,219 MM</td>
<td>42.1 LBS / 19.1 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>SPECIAL ORDER</td>
<td>5&quot;</td>
<td>7&quot;</td>
<td>1/4&quot;</td>
<td>20' / 6,096 MM</td>
<td>383.1 LBS / 173.8 Kg</td>
<td>HRS / SELF-COLOR</td>
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</tbody>
</table>
## Flat Bar

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>LENGTH</th>
<th>WEIGHT</th>
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</thead>
<tbody>
<tr>
<td>1207-6183-9-5/8</td>
<td>1/2”</td>
<td>3/4”</td>
<td>9-5/8’ / 244.5 MM</td>
<td>0.95 LBS / 0.43 Kg</td>
</tr>
<tr>
<td>1207-6158</td>
<td>1/2”</td>
<td>3/4”</td>
<td>20’ / 6,096 MM</td>
<td>25 LBS / 11.3 Kg</td>
</tr>
<tr>
<td>1207-6159</td>
<td>3/16”</td>
<td>2”</td>
<td>20’ / 6,096 MM</td>
<td>25 LBS / 11.3 Kg</td>
</tr>
<tr>
<td>1207-6161</td>
<td>5/8”</td>
<td>2”</td>
<td>20’ / 6,096 MM</td>
<td>85 LBS / 38.6 Kg</td>
</tr>
<tr>
<td>1207-6162</td>
<td>1/2”</td>
<td>2-1/2”</td>
<td>20’ / 6,096 MM</td>
<td>85 LBS / 38.6 Kg</td>
</tr>
<tr>
<td>1207-6163</td>
<td>1/4”</td>
<td>3”</td>
<td>20’ / 6,096 MM</td>
<td>50 LBS / 22.7 Kg</td>
</tr>
<tr>
<td>1207-6164</td>
<td>3/16”</td>
<td>4”</td>
<td>20’ / 6,096 MM</td>
<td>50 LBS / 22.7 Kg</td>
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<tr>
<td>1207-6165</td>
<td>1/8”</td>
<td>8”</td>
<td>20’ / 6,096 MM</td>
<td>68 LBS / 30.8 Kg</td>
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<tr>
<td>1207-6166</td>
<td>3/16”</td>
<td>8”</td>
<td>20’ / 6,096 MM</td>
<td>100 LBS / 45.4 Kg</td>
</tr>
<tr>
<td>1207-6167</td>
<td>1/4”</td>
<td>8”</td>
<td>20’ / 6,096 MM</td>
<td>135.8 LBS / 61.6 Kg</td>
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</table>

**MATERIAL:** HRS / SELF-COLOR

## Plate Steel

<table>
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<th>WEIGHT</th>
<th>MATERIAL / FINISH</th>
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<tbody>
<tr>
<td>1207-6125</td>
<td>1/8”</td>
<td>24”</td>
<td>24”</td>
<td>19.8 LBS / 9 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1207-6126</td>
<td>1/8”</td>
<td>96”</td>
<td>48”</td>
<td>159.2 LBS / 72.2 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1207-6176</td>
<td>3/16”</td>
<td>72”</td>
<td>11”</td>
<td>40.8 LBS / 18.5 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1207-6177</td>
<td>3/16”</td>
<td>96”</td>
<td>48”</td>
<td>238.2 LBS / 108 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1207-6178</td>
<td>3/16”</td>
<td>98”</td>
<td>48”</td>
<td>249.9 LBS / 113.4 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1207-6179</td>
<td>3/16”</td>
<td>120”</td>
<td>48”</td>
<td>306 LBS / 138.8 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1207-6180</td>
<td>1/4”</td>
<td>22-1/2”</td>
<td>7”</td>
<td>11.2 LBS / 5.1 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1207-6181</td>
<td>1/4”</td>
<td>76”</td>
<td>12-1/2”</td>
<td>70 LBS / 31.8 Kg</td>
<td>CORTEN / PRIMER</td>
</tr>
<tr>
<td>1207-6182</td>
<td>1/4”</td>
<td>96”</td>
<td>48”</td>
<td>339.5 LBS / 154 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
<tr>
<td>1207-8835</td>
<td>1-1/4”</td>
<td>80”</td>
<td>76”</td>
<td>2,155.45 LBS / 977.7 Kg</td>
<td>HRS / SELF-COLOR</td>
</tr>
</tbody>
</table>

**MATERIAL:** FLATRACK / ISO

---

BUFFERS USA INC®

"The Intermodal Hardware Specialists"

904-696-0010

E-mail: sales@buffersusa.com

BUFFERS USA INC®

"The Intermodal Hardware Specialists"
**FLAT PANELS**

**MATERIAL:**
CORTEN STEEL

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>WEIGHT</th>
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<tbody>
<tr>
<td>SPECIAL ORDER 1207-1/16x48x120-COR</td>
<td>1/16&quot;</td>
<td>48&quot;</td>
<td>120&quot;</td>
<td>100 LBS / 45.4 Kg</td>
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<tr>
<td>SPECIAL ORDER 1207-6849</td>
<td>14 GA.</td>
<td>48&quot;</td>
<td>96&quot;</td>
<td>99 LBS / 44.9 Kg</td>
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<tr>
<td>SPECIAL ORDER 1207-14Gx48x120-COR</td>
<td>14 GA.</td>
<td>48&quot;</td>
<td>120&quot;</td>
<td>124 LBS / 56.3 Kg</td>
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<tr>
<td>SPECIAL ORDER 1207-1/8x48x96-COR</td>
<td>1/8&quot;</td>
<td>48&quot;</td>
<td>96&quot;</td>
<td>160 LBS / 72.6 Kg</td>
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<tr>
<td>SPECIAL ORDER 1207-3/16x48x96-COR</td>
<td>3/16&quot;</td>
<td>48&quot;</td>
<td>96&quot;</td>
<td>245 LBS / 111.1 Kg</td>
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<td>SPECIAL ORDER 1207-3/16x48x120-COR</td>
<td>3/16&quot;</td>
<td>48&quot;</td>
<td>120&quot;</td>
<td>383 LBS / 173.7 Kg</td>
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<tr>
<td>SPECIAL ORDER 1207-1/4x48x120-COR</td>
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<td>48&quot;</td>
<td>120&quot;</td>
<td>408 LBS / 185.1 Kg</td>
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</table>

**Containers:** DOMCON / FLATRACK / ISO & TRAILERS: DRY VAN / FLATBED

**Address:**
BUFFERS USA INC

904-696-0010
E-mail: sales@buffersusa.com

3/5/21
<table>
<thead>
<tr>
<th>MODEL 1210-6344</th>
<th>MODEL 1210-6464</th>
<th>MODEL 1210-7961</th>
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<tr>
<td><strong>SUB FOR:</strong></td>
<td><strong>SUB FOR:</strong></td>
<td><strong>SUB FOR:</strong></td>
</tr>
<tr>
<td>GREAT DANE 08570</td>
<td>PENZ 70-14</td>
<td>PENZ 70-12</td>
</tr>
<tr>
<td><strong>MATERIAL:</strong></td>
<td><strong>MATERIAL:</strong></td>
<td><strong>MATERIAL:</strong></td>
</tr>
<tr>
<td>10 GA. FAB. STEEL</td>
<td>10 GA. FAB. STEEL</td>
<td>10 GA. FAB. STEEL</td>
</tr>
<tr>
<td><strong>FINISH:</strong></td>
<td><strong>FINISH:</strong></td>
<td><strong>FINISH:</strong></td>
</tr>
<tr>
<td>PRIMER</td>
<td>PRIMER</td>
<td>PRIMER</td>
</tr>
<tr>
<td><strong>WEIGHT:</strong></td>
<td><strong>WEIGHT:</strong></td>
<td><strong>WEIGHT:</strong></td>
</tr>
<tr>
<td>0.48 LBS / 0.22 Kg</td>
<td>0.7 LBS / 0.32 Kg</td>
<td>0.43 LBS / 0.19 Kg</td>
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</tbody>
</table>

**Dimensions:**
- **3-1/2” 88.9 MM**
- **10 GA. (0.134”)**
- **Ø3/8” x 4 HOLES**
- **3/16” 4”**
- **7/16”**
- **1/2” 3/16”**
- **3-1/8” 1/2”**

**Features:**
- CROSSMEMBER CLIPS
- CONTAINERS: DOMCON / ISO / REEFER & TRAILERS: DRY VAN / REEFER VAN

**Contact:**
- 904-696-0010
- E-mail: sales@buffersusa.com

[return to Table of Contents]
**Model 1210-6111**

**C-Channel**

**Dimensions:**
- **Length:** 100-13/16" / 2,560 MM
- **Width:** 4-7/8" / 124 MM
- **Height:** 1-1/2" / 38.1 MM
- **Wall Thickness:** 5/32" / 4 MM

**Materials:**
- **Material:** Corten Steel
- **Finish:** Grey Primer
- **Weight:** 24.76 LBS / 11.23 Kg

**Contact Information:**
- **Phone:** 904-696-0010
- **Email:** sales@buffersusa.com

**Company:** Buffers USA Inc

"The Intermodal Hardware Specialists"
<table>
<thead>
<tr>
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<th>WIDTH</th>
<th>LENGTH</th>
<th>THICKNESS</th>
<th>WEIGHT</th>
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<tr>
<td>MODEL 1211-6992</td>
<td>48&quot;</td>
<td>108&quot;</td>
<td>18 GA. / 0.048&quot;</td>
<td>70.12 LBS 31.81 Kg</td>
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<tr>
<td>MODEL 1211-6993-409</td>
<td>48&quot;</td>
<td>108&quot;</td>
<td>20 GA. / 0.036&quot;</td>
<td>52.6 LBS 23.86 Kg</td>
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<tr>
<td>MODEL 1211-6994-304</td>
<td>48&quot;</td>
<td>120&quot;</td>
<td>22 GA. / 0.029&quot;</td>
<td>48.57 LBS 22.03 Kg</td>
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<tr>
<td>MODEL 1211-6995-409</td>
<td>48&quot;</td>
<td>120&quot;</td>
<td>20 GA. / 0.036&quot;</td>
<td>58.43 LBS 26.5 Kg</td>
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<tr>
<td>MODEL 1211-6995-304-PVC</td>
<td>48&quot;</td>
<td>120&quot;</td>
<td>20 GA. / 0.036&quot;</td>
<td>59.64 LBS 27.05 Kg</td>
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<tr>
<td>MODEL 1211-6996</td>
<td>48&quot;</td>
<td>120&quot;</td>
<td>18 GA. / 0.048&quot;</td>
<td>78 LBS 35.38 Kg</td>
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<tr>
<td>MODEL 1211-6997</td>
<td>48&quot;</td>
<td>120&quot;</td>
<td>16 GA. / 0.059&quot;</td>
<td>97.06 LBS 44.03 Kg</td>
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</tbody>
</table>

MATERIAL: STAINLESS STEEL, except:

*6995-304-PVC MATERIAL: GRADE 304SS w/ PVC PROTECTION

FINISH: SELF-COLOR

---

EXTERNAL FLAT DOOR SHEET (SKIN) FOR REEFERS

LENGTH: 97-7/8"  WIDTH: 42-3/16"  THICKNESS: 1/16" / 1.6 MM

MATERIAL: STAINLESS STEEL  FINISH: SELF-COLOR

WEIGHT: 72.8 LBS / 33.02 Kg

---
SIDE WALL POSTS
DRY VAN TRAILERS

MODEL 1212-2705

SUB FOR: MANAC 501-452, 501-480, HYUNDAI 10004293
LENGTH: 108" / 2,743 MM
MATERIAL: FAB. STEEL  FINISH: ELECTRO-GALV.
WEIGHT: 15.5 LBS / 7 Kg

MODEL 1212-2711

SUB FOR: STOUGHTON 03-06347-110-00
LENGTH: 110" / 2,794 MM
MATERIAL: FAB. STEEL  FINISH: ELECTRO-GALV.
WEIGHT: 14.1 LBS / 6.4 Kg
SIDE POSTS
w/ LOGISTIC SLOTS
DRY & REEFER VAN TRAILERS

SUB FOR: HYUNDAI 10002740
MATERIAL: 0.074" (14 GA.) STEEL
FINISH: GALVANIZED
WEIGHT: 14.1 LBS / 6.38 Kg

SUB FOR: STOUGHTON 03-13042-10875
MATERIAL: 0.074" (14 GA.) STEEL
FINISH: GALVANIZED
WEIGHT: 13.85 LBS / 6.28 Kg

SPECAL ORDER ONLY
MODEL 1212-2295
VERTICAL SIDE POST
w/ 'E' Slots

SPECAL ORDER ONLY
MODEL 1212-2712
VERTICAL SIDE POST
w/ 'A' Slots

BUFFERS USA INC
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10/3/19

1212-3
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**ALUMINUM EXTRUSIONS & STRUCTURAL COMPONENTS**

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<tr>
<td>1303-1 to -7</td>
<td>CORNER CAPS</td>
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<tr>
<td>1304-1</td>
<td>ROOF BOWS</td>
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<td>1306-1</td>
<td>FLAT SHEETS &amp; SIDE PANELS</td>
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<td>1310-1</td>
<td>CROSSMEMBER T-CLIPS</td>
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<tr>
<td>1310-2 to -3</td>
<td>CROSSMEMBERS</td>
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<td>1311-1 to -8</td>
<td>T-FLOOR &amp; COMPONENTS</td>
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<tr>
<td>1311-9 to -13</td>
<td>BAFFLE PLATES, CONNECTING PLATES &amp; Hinges</td>
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<td>1311-14</td>
<td>TENSION SPRING</td>
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<td>1312-1</td>
<td>FOLDABLE STEP</td>
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<tr>
<td>1313-1 to -2</td>
<td>FLAT BARS &amp; ANGLES</td>
</tr>
<tr>
<td>1314-2</td>
<td>SIDE POST &amp; Z-POST</td>
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</table>
Intermediate section

**MODEL 1301-2710**

- **SUB FOR:** STOUGHTON 02-13351
- **LENGTH:** 38' 6" / 11,735 MM
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **WEIGHT:** 86 LBS / 39.01 Kg

**MODEL 1301-2714**

- **SUB FOR:** STOUGHTON 02-06388-52075
- **LENGTH:** 53' / 16,154 MM
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **WEIGHT:** 123.5 LBS / 56.02 Kg
1303-2080

SUB FOR: HYUNDAI 10015416
MATERIAL: CAST ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 3.15 LBS / 1.43 Kg

1303-2081

SUB FOR: GREAT DANE 69102183
MATERIAL: CAST ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.98 LBS / 0.9 Kg

1303-2082

SUB FOR: WABASH 04-30002 (Type 1)
MATERIAL: CAST ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 2 LBS / 0.91 Kg

OLDER DESIGN – Compare against 1303-8652

1303-2083

SUB FOR: TRAILMOBILE 7511-A1-05
MATERIAL: CAST ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.24 LBS / 0.56 Kg
**ALUMINUM CORNER CAPS**

**MANAC TRAILER**
Non-handed

**SUB FOR:** MANAC 502-1053  
**MATERIAL:** CAST ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 3.6 LBS / 1.6 Kg

**STOUGHTON / UPS TRAILER**
Non-handed

**SUB FOR:** STOUGHTON 04-19507-000-00  
**MATERIAL:** CAST ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 0.67 LBS / 0.3 Kg

**GREAT DANE TRAILER**
Roadside, Left

**SUB FOR:** GREAT DANE 43000090 (CS) & 43000089 (RS) P-Series Platewall  
**MATERIAL:** CAST ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 1.46 LBS / 0.66 Kg

**GREAT DANE TRAILER**
Curbside, Right

**SUB FOR:** GREAT DANE 43000090 (CS) & 43000089 (RS) P-Series Platewall  
**MATERIAL:** CAST ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 1.46 LBS / 0.66 Kg

**TRAILMOBILE TRAILER**

**SUB FOR:** TRAILMOBILE  
7511-A1-06R (CS) & 7511-A1-06L (RS)  
**MATERIAL:** CAST ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 2.6 LBS / 1.18 Kg

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NEW DESIGN – Compare against 1303-2073

SUB FOR: STOUGHTON 04-12835
MATERIAL: CAST ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 3.7 LBS / 1.7 Kg

STOUGHTON TRAILER
Non-handed

NEW DESIGN – Compare against 1303-2082

SUB FOR: WABASH 04-300002 (type 2)
MATERIAL: CAST ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.9 LBS / 0.9 Kg

WABASH TRAILER
Non-handed

NEW DESIGN – Compare against 1303-2083

SUB FOR: HYUNDAI 10052618
MATERIAL: CAST ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.73 LBS / 0.79 Kg

HYUNDAI TRAILER
Non-handed

SUB FOR: HYUNDAI 10059622 (CS) & 10059621 (RS)
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 3 LBS / 1.36 Kg

HYUNDAI TRAILER
Curbside, Right

NEW DESIGN – Compare against 1303-2078

HYUNDAI TRAILER
Roadside, Left

MODEL 1303-7

MODEL 1303-8652

MODEL 1303-8781

MODEL 1303-8862-CS

MODEL 1303-8862-RS

1303-7
**ALUMINUM ROOF BOWS**

**DRY VAN TRAILERS**

SEE ALSO 1212-5 for STEEL ROOF BOWS

---

**MODEL 1304-2726**

- **SUB FOR:** GREAT DANE 43000040, HYUNDAI 10003468, PINES AE 52312-9913
- **LENGTH:** 99-1/8" / 2,518 MM
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **WEIGHT:** 4.5 LBS / 2.04 Kg

---

**MODEL 1304-8761**

- **SUB FOR:** MANAC 502407-C
- **LENGTH:** 98-1/4" / 2,496 MM
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **WEIGHT:** 2.7 LBS / 1.2 Kg

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**BUFFERS USA INC**

“The Intermodal Hardware Specialists”

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**904-696-0010**

E-mail: sales@buffersusa.com

---

8/27/19
<table>
<thead>
<tr>
<th>MODEL #</th>
<th>WIDTH x LENGTH</th>
<th>THICKNESS</th>
<th>FINISH COLORS OUTSIDE (MILL FINISH INSIDE)</th>
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<tbody>
<tr>
<td>1306-2305-040-PPW</td>
<td>49” x 97”</td>
<td>0.040” (1.016 MM)</td>
<td>18 GA. PAINTED POLAR WHITE</td>
</tr>
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</tr>
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</table>

OTHER SIZES AVAILABLE UPON REQUEST
## ALUMINUM CROSSMEMBER T-CLIPS

### REEFER CONTAINERS | DRY & REEFER VAN TRAILERS

### MODEL 1310-2394-3
**OFF-CENTER**

- 3/32" (5 MM)
- 1-3/8" (34.7 MM)
- 3-1/4" (82.6 MM)
- 1/4" (5.9 MM)
- 3" (76.2 MM)

**SUB FOR:** CIMC 02-007  
**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 0.41 LBS / 0.18 Kg

### MODEL 1310-2395-3
**FOR 4" CROSSMEMBER**

- 1/8" (3.3 MM)
- 3-1/2" (88.9 MM)
- 5-1/2" (140.2 MM)
- 1310-2395-3 LENGTH: 3"
- 1310-2395-4 LENGTH: 4"

**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 0.41 LBS / 0.18 Kg

### MODEL 1310-2395-4
**FOR 4-7/8" CROSSMEMBER**

- 3/16" (4.8 MM)
- 2-9/16" (65 MM)
- 3-1/4" (82.4 MM)
- 1/4" (5.7 MM)
- 3" (76 MM)

**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 0.54 LBS / 0.25 Kg

### MODEL 1310-7579
**OFF-CENTER, Heavy Duty**

- 3/16" (4.8 MM)
- 2-9/16" (65 MM)
- 3-1/4" (82.4 MM)
- 1/4" (5.7 MM)
- 3" (76 MM)

**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 0.51 LBS / 0.23 Kg

---

BUFFERS USA INC  
"The Intermodal Hardware Specialists"  
1310-1  
904-696-0010  
E-mail: sales@buffersusa.com  
3/30/21
ALUMINUM CROSSMEMBERS
REEFER CONTAINERS | DRY & REEFER VAN TRAILERS

MODEL 1310-2347
Tear Drop
1-3/4" 44.5 MM
1/4" 6.4 MM
5/8" 16 MM
1-3/8" 35 MM

FITS: GRAAF CONTAINER  LENGTH: 95" / 2,413 MM
MATERIAL: ALUMINUM  FINISH: SELF-COLOR
WEIGHT: 15.7 LBS / 7.13 Kg

SUB FOR: CARLISLE 2875
LENGTH: 91-1/8" / 2,315 MM
MATERIAL: ALUMINUM  FINISH: SELF-COLOR
WEIGHT: 11 LBS / 4.99 Kg

MODEL 1310-2627
I-Beam
2-3/4" 69.8 MM
5/32" 4.1 MM
1/8" 3.18 MM
2" 50.8 MM

LENGTH: 95" / 2,413 MM
MATERIAL: ALUMINUM  FINISH: SELF-COLOR
WEIGHT: 13.2 LBS / 5.99 Kg

SUB FOR: CIMC 02-009-1
FITS: CHIOQUITA & DELMONTE REEFERS
LENGTH: 92-1/2" / 2,350 MM  MATERIAL: ALUMINUM
FINISH: SELF-COLOR  WEIGHT: 17.51 LBS / 7.94 Kg

MODEL 1310-2707
I-Beam
2-3/8" 60.2 MM
5/32" 4 MM
1-3/8" 35 MM

LENGTH: 91-1/8" / 2,315 MM
MATERIAL: ALUMINUM  FINISH: SELF-COLOR
WEIGHT: 11 LBS / 4.99 Kg

SUB FOR: CARLISLE 2875
LENGTH: 91-1/8" / 2,315 MM
MATERIAL: ALUMINUM  FINISH: SELF-COLOR
WEIGHT: 11 LBS / 4.99 Kg

MODEL 1310-2780
I-Beam
2-1/4" 57.2 MM
1/4" 6.4 MM
4" 101.6 MM

LENGTH: 102" / 2,581 MM
MATERIAL: ALUMINUM  FINISH: SELF-COLOR
WEIGHT: 16.5 LBS / 7.48 Kg

SUB FOR: HYUNDAI 10003734
FITS: HYUNDAI/DOLE REEFER
LENGTH: 91-3/8" / 2,320 MM  MATERIAL: ALUMINUM
FINISH: SELF-COLOR  WEIGHT: 16.75 LBS / 7.6 Kg

MODEL 1310-6369
Tear Drop
2-1/4" 57 MM
1/8" 3.18 MM
5/8" 16.3 MM

SUB FOR: CIMEC 02-009-1
FITS: CHIOQUITA & DELMONTE REEFERS
LENGTH: 92-1/2" / 2,350 MM  MATERIAL: ALUMINUM
FINISH: SELF-COLOR  WEIGHT: 17.51 LBS / 7.94 Kg

SUB FOR: HYUNDAI 10003734
FITS: HYUNDAI/DOLE REEFER
LENGTH: 91-3/8" / 2,320 MM  MATERIAL: ALUMINUM
FINISH: SELF-COLOR  WEIGHT: 16.75 LBS / 7.6 Kg
SUB FOR: CIMC 02-009  
LENGTH: 92-1/2" / 2,350 MM  
MATERIAL: ALUMINUM  
FINISH: SELF-COLOR  
WEIGHT: 12.48 LBS / 5.66 Kg

SUB FOR: CIMC 02-009-2  
FITS: CIMC REEFER  
LENGTH: 92-1/2" / 2,350 MM  
MATERIAL: ALUMINUM  
FINISH: SELF-COLOR  
WEIGHT: 14.27 LBS / 6.47 Kg

SUB FOR: CIMC 02-009  
LENGTH: 92-1/2" / 2,350 MM  
MATERIAL: ALUMINUM  
FINISH: SELF-COLOR  
WEIGHT: 19.1 LBS / 8.66 Kg

SUB FOR: CIMC 02-009-2  
FITS: CIMC REEFER  
LENGTH: 102-1/4" / 2,597 MM  
MATERIAL: ALUMINUM  
FINISH: SELF-COLOR  
WEIGHT: 19.1 LBS / 8.66 Kg
T-FLOOR END PROTECTOR
ALUMINUM, 5-TOOTH THRESHOLD CAP
REEFER CONTAINERS | REEFER VAN TRAILERS

FITS: MOST MAKES  MATERIAL: EXTRUDED ALUMINUM
FINISH: MILL / SELF-COLOR  WEIGHT: 0.77 LBS / 0.35 Kg

5 x MILLED OUT SLOTS FOR BRACING T-FLOOR WEB

MODEL 1311-2310

12-3/8" 315 MM
2-3/8" 61 MM
3/8" 10 MM
1" 25 MM

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ALUMINUM T-FLOOR
REEFER CONTAINERS | REEFER VAN TRAILERS

MODEL 1311-6989
ALUMINUM T-FLOOR
1-T w/ Flash

SUB FOR: CIMC GB06-0233-A2
FITS: CIMC REEFER
LENGTH: 78-3/4" / 2,000 MM
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 8 LBS / 3.6 Kg

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1/12/22
**ALUMINUM T-FLOOR**

**REEFER CONTAINERS | REEFER VAN TRAILERS**

---

**MODEL 1311-6224**

ALUMINUM T-FLOOR  
2-T, Side

**FITS:** MCIQ 40' HC REEFER  
**LENGTH:** 36' 9-1/2" / 11,213 MM  
**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 83.16 LBS / 38.5 Kg

---

**MODEL 1311-6434**

ALUMINUM T-FLOOR  
2-T, Side

**SUB FOR:** MAERSK 7220236  
**FITS:** MCIQ 40' HC REEFER  
**LENGTH:** 37' 2-1/4" / 11,336 MM  
**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 77.4 LBS / 35.1 Kg

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3/30/21
**ALUMINUM T-FLOOR**

**Model 1311-6225**

- **SUB FOR:** MAERSK 7220467
- **FITS:** MCIQ 40' HC REEFER
- **LENGTH:** 37' 1-3/8" / 11,313 MM
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **WEIGHT:** 90.72 LBS / 41.14 Kg

**Model 1311-6834-6.5**

- **SUB FOR:** CIMC TA-W68M, TB03-G201-A2
- **FITS:** CIMC 40' REEFER
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **LENGTH:** 6' 6-3/4" / 2,000 MM
- **6834-6.5 WEIGHT:** 15.9 LBS / 6.9 Kg

**Model 1311-6834-18.5**

- **SUB FOR:** CIMC TA-W68M, TB03-G201-A2
- **FITS:** CIMC 40' REEFER
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **LENGTH:** 18' 6" / 5,639 MM
- **6834-18.5 WEIGHT:** 45.8 LBS / 20.78 Kg

**Non-Inventory Item**

**Special Order Only**

**Model 1311-6834-18.5**

- **SUB FOR:** CIMC TA-W68M, TB03-G201-A2
- **FITS:** CIMC 40' REEFER
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **LENGTH:** 18' 6" / 5,639 MM
- **6834-18.5 WEIGHT:** 45.8 LBS / 20.78 Kg

**Model 1311-6834-6.5**

- **SUB FOR:** CIMC TA-W68M, TB03-G201-A2
- **FITS:** CIMC 40' REEFER
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **LENGTH:** 6' 6-3/4" / 2,000 MM
- **6834-6.5 WEIGHT:** 15.9 LBS / 6.9 Kg

**Model 1311-6225**

- **SUB FOR:** MAERSK 7220467
- **FITS:** MCIQ 40' HC REEFER
- **LENGTH:** 37' 1-3/8" / 11,313 MM
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **WEIGHT:** 90.72 LBS / 41.14 Kg
ALUMINUM T-FLOOR
REEFER CONTAINERS | REEFER VAN TRAILERS

MODEL 1311-2628
MODEL 1311-2628-17
MODEL 1311-2628-19
ALUMINUM T-FLOOR
4-T, Center

1311-2628 LENGTH: 38’ / 11,582 MM
WEIGHT: 124.8 LBS / 56.6 Kg
1311-2628-17 LENGTH: 17’ / 5,182 MM
WEIGHT: 56 LBS / 25.4 Kg
1311-2628-19 LENGTH: 19’ / 5,791 MM
WEIGHT: 62.6 LBS / 28.4 Kg
MATERIAL: ALUMINUM
FINISH: SELF-COLOR

SUB FOR:
MAERSK 7220370, 7220383, 7220386
CARLISLE, MCIQ
LENGTH: 38’ / 11,582 MM
WEIGHT: 124.8 LBS / 56.6 Kg
MCIQ 40’
LENGTH: 37’ 1-3/8’ / 11,313 MM
WEIGHT: 116.3 LBS / 52.75 Kg

‘SUPPLIED AT 38’
**ALUMINUM T-FLOOR**

**REEFER CONTAINERS | REEFER VAN TRAILERS**

**MODEL 1311-2924-19**

**ALUMINUM T-FLOOR**

5-T, Intermediate

**LENGTH:** 19’ / 5,791 MM

**MATERIAL:** ALUMINUM

**FINISH:** SELF-COLOR

**WEIGHT:** 79.5 LBS / 36.06 Kg

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**SUB FOR:**

CARLISLE C1000

MAERSK 7220371, 7220384

MAERSK 7220302

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**FITS:**

CARLISLE USA

MAERSK, CHINA, 40’

MAERSK, CHINA, 40’

---

** LENGTH:**

SUPPLIED AT 19’

<table>
<thead>
<tr>
<th>SUB FOR</th>
<th>FITS</th>
<th>LENGTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARLISLE C1000</td>
<td>CARLISLE USA</td>
<td>38’ / 11,582 MM</td>
<td>159 LBS / 72.1 Kg</td>
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<tr>
<td>MAERSK 7220371,</td>
<td>MAERSK, CHINA</td>
<td>37’ 1/4’ / 11,310 MM</td>
<td>155 LBS / 70.3 Kg</td>
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<tr>
<td>MAERSK 7220302</td>
<td>MAERSK, CHINA</td>
<td>37’ / 11,278 MM</td>
<td>154 LBS / 69.9 Kg</td>
</tr>
</tbody>
</table>

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**MODEL 1311-6457**

**ALUMINUM T-FLOOR**

5-T, Intermediate

**SUB FOR:** MAERSK 7220022

**FITS:** MQRS-40HS-271A

**LENGTH:** 36’ 8-7/8’ / 11,198 MM

**MATERIAL:** ALUMINUM

**FINISH:** SELF-COLOR

**WEIGHT:** 136.5 LBS / 61.9 Kg

---

**SPECIAL ORDER ONLY**

**NON-INVENTORY ITEM**

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3/31/21
ALUMINUM T-FLOOR
REEFER CONTAINERS | REEFER VAN TRAILERS

MODEL 1311-6458
ALUMINUM T-FLOOR
5-T, Center

SUB FOR: MAERSK 7220420
FITS: MQRS-40HS-271A
LENGTH: 37' / 11,278 MM
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 142.1 LBS / 64.5 Kg

MODEL 1311-6836-19
ALUMINUM T-FLOOR
5-T, Intermediate Main

FITS: CIMC 40' REEFER
LENGTH: 18' 6-3/16' / 4,653 MM
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 73.22 LBS / 33.21 Kg

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2/9/22
**FITS:** REEFER CONTAINERS & REEFER VAN TRAILERS

**LENGTH:** 12’ / 3,658 MM

**MATERIAL:** ALUMINUM  **FINISH:** SELF-COLOR

**1311-6978-A WEIGHT:** 5.45 LBS / 2.47 Kg  
**1311-6978-B WEIGHT:** 6.45 LBS / 2.93 Kg

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**MODEL 1311-6978-KIT**  
ALUMINUM T-FLOOR REPAIR KIT

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**1311-6978-A T-CLIP BRACKET**

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**1311-6978-B T-CLIP**

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**1311-6978-A T-CLIP BRACKET**

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**1311-6978-B T-CLIP**

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**1-1/4” 31.8 MM**

**2-7/16” 61.9 MM**

**1” 25.4 MM**
**BAFFLE & CONNECTING PLATES**

**REEFER CONTAINERS | REEFER VAN TRAILERS**

**MODEL 1311-6981**

Baffle Plate

- **Length:** 89-1/4" / 2,267 MM
- **Material:** Aluminum
- **Finish:** Self-Color
- **Weight:** 14.28 LBS / 6.48 Kg

**MODEL 1311-6982**

Baffle Plate

- **Length:** 89-1/4" / 2,267 MM
- **Material:** Aluminum
- **Finish:** Self-Color
- **Weight:** 24.56 LBS / 11.14 Kg

**MODEL 1311-7554**

Baffle Plate w/ Hinge Holes

- **Length:** 90-1/2" / 2,299 MM
- **Material:** Aluminum
- **Finish:** Self-Color
- **Weight:** 6.08 LBS / 2.76 Kg

PRE-DRILLED HINGE HOLES

I.D. 3/16" Ø5.1 MM x 8 HOLES

**1311-09**

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3/31/21
SUB FOR: CIMC UL08-E50-A2, UL08-E50-AL
FITS: CIMC 40’ REEFER
WORKS WITH: 1311-7848 RUBBER HINGE
MATERIAL: ALUMINUM  FINISH: SELF-COLOR
LENGTH: 89-3/8” / 2,270 MM
WEIGHT: 18.48 LBS / 8.35 Kg

I.D. 5/16” Ø8.25 MM x 2 HOLES

SUB FOR: CIMC UL08-R202-A9  FITS: CIMC 40’ REEFER
WORKS WITH: 1311-7580 HINGE & 1311-7712 CONNECTING PLATE
MATERIAL: ALUMINUM  FINISH: SELF-COLOR
WEIGHT: 6.48 LBS / 2.94 Kg

I.D. 3/16” Ø5 MM x 20 HOLES

BUFFERS USA INC
“The Intermodal Hardware Specialists”
**BAFFLE & CONNECTING PLATES**

**REEFER CONTAINERS | REEFER VAN TRAILERS**

---

**Model 1311-7712**

**Connecting Plate**

- **Dimensions:**
  - 1/16" (2 MM)
  - 3/16" (5 MM)
  - 5 5/16" (135 MM)
  - 89-15/16" (2,285 MM)

- **Sub for:** CMC UL07-P202-A9
- **Fits:** CMC 40’ Reefer
- **Works with:** 1311-7658 Hinge & 1311-7716 Baffle Plate
- **Material:** Aluminum
- **Finish:** Self-Color
- **Weight:** 3.75 LBS / 1.7 Kg

---

**Model 1311-8598**

**Baffle Plate**

- **Dimensions:**
  - 3/16" (4.5 MM)
  - 2 5/8" (67 MM)
  - 6 5/8" (169 MM)
  - 18 5/16" (465 MM)
  - 7 11/16" (195 MM)
  - 89-1/4" (2,267 MM)

- **Sub for:** Maersk 7231318
- **Fits:** MCQ 40’ Reefer
- **Material:** PVC
- **Color:** Gray
- **Weight:** 17.8 LBS / 8.07 Kg

---

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3/31/21
**SUB FOR:** MAERSK 7231324, 7840402  
**FITS:** MCIQ REEFER  
**LENGTH:** 89-3/8” / 2,270 MM  
**MATERIAL:** REINFORCED PVC  
**COLOR:** GRAY  
**WEIGHT:** 7.5 LBS / 3.4 Kg

**SUB FOR:** CIMC S40-01UC-14B-03  
**MATERIAL:** 1/8” ALUMINUM PLATE  
**FINISH:** SELF-COLOR  
**WEIGHT:** 11.4 LBS / 5.17 Kg

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**Model 1311-8115**  
**Baffle Plate**

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**Model 1311-8611**  
**Front Baffle Plate**

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BAFFLE PLATE HINGES
REEFER CONTAINERS | REEFER VAN TRAILERS

MODEL 1311-7584
HINGE ASSEMBLY
for Baffle Plate

SUB FOR: MAERSK 7817502  FITS: ALL MAKES
MATERIAL: ALUMINUM  FINISH: SELF-COLOR
WEIGHT: 0.14 LBS / 0.06 Kg

MODEL 1311-7848
HINGE
for Baffle Plate

FITs: CIMC 40’ REEFER
WORKS WITH: 1311-7580 BAFFLE PLATE
MATERIAL: EPDM RUBBER  COLOR: BLACK
WEIGHT: 1.9 LBS / 0.86 Kg

MODEL 1311-7658
HINGE ASSEMBLY
for Baffle Plate

SUB FOR: CIMC UL14-A06-U0  FITS: CIMC & ALL MAKES
MATERIAL: STAINLESS STEEL  FINISH: SELF-COLOR
WEIGHT: 0.07 LBS / 0.03 Kg

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3/31/21
WORKS WITH: CIMC REEFER
MATERIAL: STAINLESS STEEL
FINISH: SELF-COLOR
WEIGHT: 0.07 LBS / 0.03 Kg

MODEL 1311-8908
TENSION SPRING

I.D. 1/2”
Ø12.2 MM

O.D. 5/8”
Ø15 MM

Approx. 1 Loop w/ Closed End

Approx. 2 Loops w/ Closed End

O.D. 1/16”
Ø1.4 MM

Wire Thickness

4” 105 MM

REEFER CONTAINERS | REEFER VAN TRAILERS

1311

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BUFFERS USA INC
“The Intermodal Hardware Specialists”
FOLDABLE STEP
REEFER VAN TRAILERS

MODEL 1312-2459
SPRING-LOADED POSITIONS

FITS: REEFER VAN TRAILERS
MATERIAL: POLISHED CAST STAINLESS STEEL BODY PARTS w/ STAINLESS STEEL SPRING
FINISH: ZINC-PLATED WEIGHT: 1.25 LBS / 0.57 Kg

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“The Intermodal Hardware Specialists”

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1313-01
[ return to Table of Contents ]

ALUMINUM FLAT BARS

REEFER CONTAINERS | REEFER VAN TRAILERS

A

NOTE: SOME SIZES ARE SPECIAL ORDER

B
MODEL
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1313-2299
1313-2300
1313-2301
1313-6810
1313-6810-16
1313-6811
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1313-6814
1313-6815
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1313-6818
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2" / 50.8 MM
3" / 76.2 MM
3" / 76.2 MM
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3 1/4" / 82.55 MM
3 1/4" / 82.55 MM
3 3/4" / 95.25 MM
3 3/4" / 95.25 MM
4" / 101.6 MM
5" / 127 MM
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1" / 25.4 MM
2" / 50.8 MM
2" / 50.8 MM
2 1/2" / 63.5 MM
2 1/2" / 63.5 MM
3" / 76.2 MM
3" / 76.2 MM
4" / 101.6 MM
4" / 101.6 MM
5" / 127 MM
5" / 127 MM
1" / 25.4 MM
1" / 25.4 MM
2" / 50.8 MM
2" / 50.8 MM
3" / 76.2 MM
3" / 76.2 MM
4" / 101.6 MM
4" / 101.6 MM
5" / 127 MM

LENGTH
12' / 3,658 MM
20' / 6,096 MM
12' / 3,658 MM
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20' / 6,096 MM
12' / 3,658 MM

WEIGHT
3.5 LBS / 1.6 Kg
5.8 LBS / 2.6 Kg
5.3 LBS / 2.4 Kg
8.8 LBS / 4 Kg
7.1 LBS / 3.2 Kg
11.8 LBS / 5.3 Kg
2.6 LBS / 1.2 Kg
4 LBS / 1.8 Kg
4.4 LBS / 2 Kg
5.3 LBS / 2.4 Kg
7.1 LBS / 3.2 Kg
8.8 LBS / 4 Kg
8 LBS / 3.6 Kg
13.2 LBS / 6 Kg
10.6 LBS / 4.8 Kg
17.6 LBS / 8 Kg
13.2 LBS / 6 Kg
22 LBS / 10 Kg
3.5 LBS / 1.6 Kg
5.8 LBS / 2.6 Kg
7.1 LBS / 3.2 Kg
11.8 LBS / 5.4 Kg
10.6 LBS / 4.8 Kg
17.6 LBS / 8 Kg
14 LBS / 6.4 Kg
23.4 LBS / 10.6 Kg
17.5 LBS / 7.9 Kg
29.2 LBS / 13.2 Kg
21.1 LBS / 9.6 Kg
35.2 LBS / 16 Kg
8.8 LBS / 4 Kg
14.6 LBS / 6.6 Kg
13.2 LBS / 6 Kg
22 LBS / 10 Kg
14.3 LBS / 6.5 Kg
23.8 LBS / 10.8 Kg
16.4 LBS / 7.5 Kg
27.4 LBS / 12.4 Kg
17.5 LBS / 7.9 Kg
22 LBS / 10 Kg
5.3 LBS / 2.4 Kg
8.8 LBS / 4 Kg
10.6 LBS / 4.8 Kg
17.6 LBS / 8 Kg
13.2 LBS / 6 Kg
22 LBS / 10 Kg
15.8 LBS / 7.2 Kg
26.4 LBS / 12 Kg
21.45 LBS / 9.73 Kg
35.2 LBS / 16 Kg
26.3 LBS / 11.9 Kg
43.8 LBS / 19.9 Kg
7.1 LBS / 3.2 Kg
11.8 LBS / 5.4 Kg
14 LBS / 6.4 Kg
23.4 LBS / 10.6 Kg
21.1 LBS / 9.6 Kg
35.2 LBS / 16 Kg
28.3 LBS / 12.8 Kg
46.8 LBS / 21.2 Kg
35.2 LBS / 16 Kg

1313

904-696-0010

E-mail: sales@buffersusa.com
1313-1

3/3/23


### ALUMINUM ANGLES

**REEFER CONTAINERS | REEFER VAN TRAILERS**

**NOTE: SOME SIZES ARE SPECIAL ORDER**

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<th>WEIGHT</th>
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<td>12'</td>
<td>31.49 LBS / 14.28 Kg</td>
</tr>
</tbody>
</table>

**MATERIAL:** EXTRUDED ALUMINUM ALLOY 6053-T6 OR 6061-T6

---

**BUFFERS USA INC**

“The Intermodal Hardware Specialists”

**904-696-0010**

E-mail: sales@buffersusa.com

3/18/19
**ALUMINUM SIDE POSTS**

**DRY VAN & REEFER VAN TRAILERS**

**SPECIAL ORDER ONLY**

**MODEL 1314-2706**

- **LENGTH:** 107-1/2"
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **WEIGHT:** 8.1 LBS / 3.67 Kg

**SUB FOR:** HYUNDAI 10004925

**MODEL 1314-2728**

- **LENGTH:** 108-1/8"
- **MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **WEIGHT:** 3.6 LBS / 1.65 Kg

---

**Z-POST**

**Model 1314-2706**

- 2-15/16" 75 MM
- 1-3/16" 30 MM
- 1/8" 2.8 MM
- 5-3/16" 132 MM

**Model 1314-2728**

- 1" 25.4 MM
- 3/32" 2.3 MM
- 1-3/8" 35 MM
- 5/16" 8 MM
- 2-5/16" 58 MM

---

**BUFFERS USA INC**

“*The Intermodal Hardware Specialists*”

**E-mail:** sales@buffersusa.com

**904-696-0010**

**1314-2**

7/12/23
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1401-4 to -6  SWING DOOR LOCKING SYSTEM HARDWARE KITS
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  • Top & Bottom Cams
  • Door Handles
  • Door Handle Hardware (Hub Mounts, Rivets, Retainer Catches, Retainer Plates, Shims & Gaskets)
  • Short Bearing Brackets & Hardware (Shims & Gaskets)
  • Long Bearing Brackets & Hardware (Back Plates & Gasket)
  • Bearing Bushings
1401-35  LOCK ROD PIPE

1402-12 to -22 SWING DOOR HINGES (Aluminum & Steel)
1402-24 to -29 SWING DOOR HINGE HARDWARE:
  • Insert Bushings
  • Hinge Lugs
  • Hinge Brackets
  • Hinge Pins & Washers
1402-30 to -33 SWING DOOR HOLDBACKS, ASSEMBLIES & RELATED HARDWARE
1402-35  SWING DOOR BUMPERS & STOPS
1404-4  SWING DOOR GASKETS (for Plymetal Doors)
### COMPONENT QTYS PER KIT

**NOTE:** All components are supplied loose.

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**NOTE:** only ONE Short Bearing Bracket Set is included w/ 1401-8313.

*OPTIONAL FASTENERS & PIPE ARE NOT INCLUDED IN KIT:

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CAM & KEEPER LOCATION DETAILS

**NOTE:** All components are supplied loose.

**LOCK ROD HARDWARE KIT**

**MODEL 1401-8308-KIT**

**TYPE:** DL-BU, DL-DL  
**MATERIAL:** STEEL  
**FINISH:** HOT-DIP GALVANIZED  
**WEIGHT:** 13.3 LBS / 6 Kg

**MODEL 1401-8313**

**TYPE:** NH-NH  
**MATERIAL:** STEEL  
**FINISH:** HOT-DIP GALVANIZED  
**WEIGHT:** 13 LBS / 5.9 Kg

**NOTE:** All components are supplied loose.
### SWING DOOR LOCKING SYSTEMS
**BOLT-ON MINER-STYLE KITS**
**DRY VAN TRAILERS**

### MODEL 1401-8309-L-KIT
**LOCK ROD HARDWARE KIT**
Narrow Header & Standard Sill, Left-Locking

- **TYPE:** DL-NH
- **MATERIAL:** STEEL
- **FINISH:** HOT-DIP GALVANIZED
- **WEIGHT:** 12 LBS / 5.5 Kg

### MODEL 1401-8309-R-KIT
**LOCK ROD HARDWARE KIT**
Narrow Header & Standard Sill, Right-Locking

- **TYPE:** DL-NH
- **MATERIAL:** STEEL
- **FINISH:** HOT-DIP GALVANIZED
- **WEIGHT:** 12 LBS / 5.5 Kg

### COMPONENT QTYS PER KIT
**NOTE:** All components are supplied loose.

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### OPTIONAL FASTENERS & PIPE ARE NOT INCLUDED IN KIT:
- A 1401-4705  1 1 HEX BOLT M10-1.5 x 35mm, HDG CIMC D27-02
- B 1401-4706  12 12 HEX BOLT M10-1.5 x 25mm, HDG CIMC D27-01
- C 1401-4707  13 13 HEX NUT M10, HDG w/ Nylon Insert — n/a —
- D 1401-4708  13 13 LOCK WASHER, 10mm, HDG — n/a —
- E 1401-8204-120-1.05  1 1 LOCK ROD PIPE, SCH 40, 120”, HDG — n/a —

*Pipe & fasteners are NOT included in hardware kit.

---

**BUFFERS USA INC**

"The Intermodal Hardware Specialists"

904-696-0010

E-mail: sales@buffersusa.com

2/20/23
**COMPONENT QTYS PER KIT**

**NOTE:** All components are supplied loose.

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**OPTIONAL FASTENERS & PIPE ARE NOT INCLUDED IN KIT:**

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<tr>
<td>B</td>
<td>HEX BOLT M10-1.5 x 25mm, HDG</td>
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<td>E</td>
<td>LOCK ROD PIPE, SCH 40, 120&quot;, HDG</td>
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**NOTE:** All components are supplied loose.

---

**MODEL 1401-7232-L-KIT**

LOCK ROD HARDWARE KIT
Narrow Header & Standard Sill, Long Reach, Left-Locking

**TYPE:** HV-SH  **MATERIAL:** STEEL  **FINISH:** HOT-DIP GALVANIZED  **WEIGHT:** 12.5 LBS / 5.7 Kg

---

**MODEL 1401-7232-R-KIT**

LOCK ROD HARDWARE KIT
Narrow Header & Standard Sill, Long Reach, Right-Locking

**TYPE:** HV-SH  **MATERIAL:** STEEL  **FINISH:** HOT-DIP GALVANIZED  **WEIGHT:** 12.5 LBS / 5.7 Kg

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**CAM & KEEPER LOCATION DETAILS**

*Pipe is NOT included in hardware kit.*

*Pipe and fasteners are NOT included in hardware kit.*
**MODEL 1401-2580**

**TOP & BOTTOM KEEPER**
Non-Handed

SUB FOR: MINER M1064  TYPE: CT or DL
WORKS WITH: BUFFERS 1401-2581 & 1401-2592 CAMS
MATERIAL: CAST STEEL  FINISH: HOT-DIP GALVANIZED
WEIGHT: 1.06 LBS / 0.48 Kg

**MODEL 1401-2599**

**TOP & BOTTOM KEEPER**
Non-Handed

SUB FOR: MINER M4224  TYPE: NS
WORKS WITH: BUFFERS 1401-2741-L/R CAMS
MATERIAL: FORGED STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.84 LB / 0.38 Kg

**MODEL 1401-2593**

**TOP & BOTTOM KEEPER**
Non-Handed w/ 1/8" offset

SUB FOR: MINER M4091  TYPE: CT or DL
WORKS WITH: BUFFERS 1401-2581 & 1401-2592 CAMS
MATERIAL: CAST STEEL  FINISH: HOT-DIP GALVANIZED
WEIGHT: 1.2 LBS / 0.54 Kg

**MODEL 1401-2599**

**TOP & BOTTOM KEEPER**
Non-Handed

SUB FOR: MINER M4224  TYPE: NS
WORKS WITH: BUFFERS 1401-2741-L/R CAMS
MATERIAL: FORGED STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.84 LB / 0.38 Kg

**MODEL 1401-2600**

**BOTTOM KEEPER**
Non-Handed

SUB FOR: MINER M4143  TYPE: SC
WORKS WITH: BUFFERS 1401-2592 CAM
MATERIAL: CAST STEEL  FINISH: HOT-DIP GALVANIZED
WEIGHT: 1.28 LBS / 0.58 Kg

**MODEL 1401-2719**

**BOTTOM KEEPER**
Non-Handed

SUB FOR: MINER M4223  TYPE: HV
WORKS WITH: BUFFERS 1401-7132-BL/BR CAMS
MATERIAL: CAST STEEL  FINISH: HOT-DIP GALVANIZED
WEIGHT: 0.95 LB / 0.43 Kg

**MODEL 1401-6517-L/R**

**TOP KEEPER**
Narrow Header

SUB FOR: EBERHARD 16436-L/R, GREAT DANE 42500114 (L) & 42500113 (R)
WORKS WITH: BUFFERS 1401-8518-L/R CAMS
MATERIAL: FORGED STEEL  FINISH: HOT-DIP GALVANIZED
WEIGHT: 0.5 LB / 0.23 Kg
SUB FOR: MINER M4155 (TL), M4156 (TR)  TYPE: SH
WORKS WITH: BUFFERS 1401-7133-TL/TR CAM
MATERIAL: CAST STEEL  FINISH: GALVANIZED
WEIGHT: 0.49 LB / 0.22 Kg

SUB FOR: MINER M4140  TYPE: NH
WORKS WITH: BUFFERS 1401-7390-TL/TR CAM
MATERIAL: CAST STEEL  FINISH: GALVANIZED
WEIGHT: 0.81 LB / 0.37 Kg

TOP & BOTTOM KEEPER
Narrow Header, Non-Handed
SUB FOR: MINER 4044 (L) & 4043 (R)  
TYPE: DL  
WORKS WITH: 1401-2580 & 1401-2593 KEEPERS  
MATERIAL: FORGED STEEL  
FINISH: GALVANIZED  
WEIGHT: 1.35 LBS / 0.64 Kg

SUB FOR: MINER 2092 (L) & 2091 (R)  
TYPE: CT  
WORKS WITH: 1401-2580 & 1401-2593 KEEPERS  
MATERIAL: FORGED STEEL  
FINISH: GALVANIZED  
WEIGHT: 1.8 LBS / 0.82 Kg

SUB FOR: MINER 4144  
TYPE: SC  
WORKS WITH: 1401-2600 KEEPER  
MATERIAL: FORGED STEEL  
FINISH: GALVANIZED  
WEIGHT: 1.81 LBS / 0.82 Kg

Hole for Security Seal
**SUB FOR:** MINER 4226 (L) & 4225 (R)  
**TYPE:** NS  
**WORKS WITH:** BUFFERS 1401-2599 KEEPER  
**MATERIAL:** FORGED STEEL  
**FINISH:** GALVANIZED  
**WEIGHT:** 1.55 LBS / 0.7 Kg

**SUB FOR:** EBERHARD 16437-L/R, GREAT DANE 42500103 (L) & 42500104 (R)  
**FITS:** EBERHARD 1969-64-13 LOCK ROD  
**WORKS WITH:** BUFFERS 1401-6517 KEEPER  
**MATERIAL:** FORGED STEEL  
**FINISH:** GALVANIZED  
**WEIGHT:** 0.65 LB / 0.29 Kg

**SUB FOR:** MINER 4141 (TL) & 4142 (TR)  
**TYPE:** NH  
**WORKS WITH:** BUFFERS 1401-2599 KEEPER  
**MATERIAL:** FORGED STEEL  
**FINISH:** GALVANIZED  
**WEIGHT:** 1.21 LBS / 0.55 Kg

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E-mail: sales@buffersusa.com  
2/20/23
SUB FOR: MINER 2497 (BL) & 2498 (BR)  
TYPE: HV  
WORKS WITH: BUFFERS 1401-2719 KEEPER & 1401-7133-TL/TR TOP CAMS (w/ 1401-7134-TR/TL KEEPERS)  
MATERIAL: CAST STEEL  
FINISH: GALVANIZED  
WEIGHT: 2.25 LBS / 1.02 Kg

SUB FOR: MINER 4153 (TL) & 4154 (TR)  
TYPE: SH  
WORKS WITH: BUFFERS 1401-7134-TL/TR KEEPERS & 1401-7132-BL/BR BOTTOM CAMS (w/ 1401-2719 KEEPER)  
MATERIAL: CAST STEEL  
FINISH: GALVANIZED  
WEIGHT: 1.31 LBS / 0.59 Kg
SUB FOR: MINER 4090, BLOXWICH 12321

WORKS WITH: 1401-2586 & 1401-8149 HANDLE HUB

MATERIAL: FAB. STEEL

FINISH: GALVANIZED

WEIGHT: 2.3 LBS / 1.04 Kg

MODEL 1401-2585
PRESSSED HANDLE
SWING DOOR LOCKING SYSTEMS
BLOXWICH- & MINER-STYLE COMPONENTS
DOOR HANDLE MOUNTING HARDWARE
CONTAINERS & VAN TRAILERS

SUB FOR: BLOXWICH 22084, CIMC D23-11, SAEJIN 87030/2
WORKS WITH: 1401-2180 HANDLE  MATERIAL: STEEL
FINISH: ZINC-PLATED  WEIGHT: 0.39 LBS / 0.17 Kg

WORKS WITH: 1401-2579 HANDLE  MATERIAL: STEEL
FINISH: ZINC-PLATED  WEIGHT: 0.59 LBS / 0.27 Kg

WORKS WITH: 1401-2196 HANDLE  MATERIAL: STEEL
FINISH: ZINC-PLATED  WEIGHT: 0.05 LBS / 0.02 Kg

SUB FOR: SAEJIN 87030/4
WORKS WITH: 1401-2585 HANDLE  MATERIAL: STEEL
FINISH: HOT-DIP GALVANIZED  WEIGHT: 0.48 LBS / 0.22 Kg

SUB FOR: SAEJIN 84049/M, BLOXWICH 10038/1,
MINER M4049
WORKS WITH: 1401-2586 & 1401-8149
HANDLE HUB MOUNTING BRACKETS  MATERIAL: STEEL
FINISH: ZINC-PLATED  WEIGHT: 0.04 LBS / 0.02 Kg

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**MODEL 1401-2179**
*BUSHING* for Retainer Catch
- **SUB FOR:** BLOXWICH 22185
- **WORKS WITH:** 1401-2474 & 1401-2609 RETAINER CATCH
- **MATERIAL:** STEEL
- **FINISH:** ZINC-PLATED
- **WEIGHT:** 0.015 LBS / 0.006 Kg

**MODEL 1401-2474**
*RETAINER CATCH*
- **SUB FOR:** BLOXWICH CRCP-001
- **WORKS WITH:** 1401-2473 RETAINER PLATE
- **MATERIAL:** STEEL
- **FINISH:** GALVANIZED
- **WEIGHT:** 0.22 LBS / 0.1 Kg

**MODEL 1401-2584**
*RETAINER CATCH*
- **SUB FOR:** MINER M4012
- **WORKS WITH:** 1401-2588 RETAINER PLATE
- **MATERIAL:** STEEL
- **FINISH:** GALVANIZED
- **WEIGHT:** 0.25 LBS / 0.113 Kg

**MODEL 1401-2609**
*RETAINER CATCH*
- **SUB FOR:** BLOXWICH 12229
- **WORKS WITH:** 1401-2607 RETAINER PLATE
- **MATERIAL:** STEEL
- **FINISH:** GALVANIZED
- **WEIGHT:** 0.22 LBS / 0.1 Kg

**MODEL 1401-2634**
*RIVET* for Retainer Catch
- **SUB FOR:** BLOXWICH 10038/2
- **MATERIAL:** STEEL
- **FINISH:** ZINC-PLATED
- **WEIGHT:** 0.022 LBS / 0.01 Kg

---

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2/20/23
SWING DOOR LOCKING SYSTEMS
BLOXWICH- & MINER-STYLE COMPONENTS
DOOR HANDLE MOUNTING HARDWARE
CONTAINERS & VAN TRAILERS

MODEL 1401-2473
RETAINER PLATE
for Pressed Handle, Bloxwich type

SUB FOR: BLOXWICH 12322
WORKS WITH: 1401-2474 RETAINER CATCH
MATERIAL: 7/32”/5.5 MM-THICK STEEL
FINISH: HOT-DIP GALVANIZED (HDG)
WEIGHT: 0.5 LBS / 0.23 Kg

MODEL 1401-2588
RETAINER PLATE
for Pressed Handle, Miner type

SUB FOR: MINER M4011
WORKS WITH: 1401-2584 RETAINER CATCH
MATERIAL: 3/16”/4.5 MM-THICK STEEL
FINISH: HOT-DIP GALVANIZED (HDG)
WEIGHT: 0.45 LBS / 0.2 Kg

MODEL 1401-2607
RETAINER PLATE
for Forged Handle, Bloxwich type

SUB FOR: BLOXWICH 22183F
WORKS WITH: 1401-2609 RETAINER CATCH
MATERIAL: 7/32”/5.5 MM-THICK STEEL
FINISH: HOT-DIP GALVANIZED (HDG)
WEIGHT: 0.47 LBS / 0.21 Kg

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2/20/23
WORKS WITH: 1401-2473 & 1401-2607 RETAINER PLATES
MATERIAL: STEEL  FINISH: HOT-DIP GALVANIZED
2619 WT: 0.36 LBS / 0.16 Kg  2704 WT: 0.18 LBS / 0.08 Kg

I.D. 13/32" Ø10.5 MM x 2 HOLES
1-3/4" 44 MM
3-7/8" 99 MM
5-1/8" 130 MM
5/32" 3.75 MM
3/32" 2.25 MM
THICKNESS

MODEL 1401-2619
5/32" SHIM FOR RETAINER PLATE
MODEL 1401-2704
3/32" SHIM FOR RETAINER PLATE

WORKS WITH: 1401-2473, 1401-2588 & 1401-2607 RETAINER PLATES  MATERIAL: STEEL  FINISH: HOT-DIP GALVANIZED  WEIGHT: 0.29 LBS / 0.13 Kg

I.D. 13/32" Ø10.6 MM x 2 HOLES
1-13/16" 46.5 MM
3-7/8" 99 MM
5-3/16" 131.9 MM
1/8" 3 MM

MODEL 1401-2620
1/8" SHIM FOR RETAINER PLATE

I.D. 7/16" Ø11.5 MM x 2 HOLES
1-13/16" 46 MM
3-7/8" 98.7 MM
5-1/8" 130 MM
5/32" 3.75 MM
1/32" / 1 MM
THICKNESS

MODEL 1401-7324-1MM
MODEL 1401-7324-3.75MM
GASKETS FOR RETAINER PLATE

SUB FOR: JINDO R16578-0004
WORKS WITH: 1401-2473, 1401-2588 & 1401-2607 RETAINER PLATES  MATERIAL: EPDM RUBBER
COLOR: BLACK  7324-1MM WEIGHT: 0.03 LBS / 0.01 Kg  7324-3.75MM WEIGHT: 0.04 LBS / 0.02 Kg

MODEL 1401-7324-1MM
5/32" SHIM FOR RETAINER PLATE
MODEL 1401-7324-3.75MM
3/32" SHIM FOR RETAINER PLATE

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E-mail: sales@buffersusa.com
SUB FOR:
MINER M4107
WORKS WITH:
1401-2589 BUSHING
MATERIAL:
STEEL
FINISH:
GALVANIZED
WEIGHT:
0.28 LBS / 0.13 Kg

I.D. 3/8"
Ø10 MM

1-1/2"
38 MM

2-7/8"
73 MM

3-11/16"
94 MM

I.D. 1-1/2"
Ø39.6 MM

1-1/16"
26.5 MM

1401-2175
SHORT BEARING BRACKET
(Outer)

I.D. 7/16"
Ø11 MM

x 2 HOLES

I.D. 7/16"
Ø11.5 MM

x 2 HOLES

3-1/8"
80 MM

4-1/8"
105 MM

I.D. 1-5/8"
Ø41 MM

1"
25.8 MM

1401-2606
SHORT BEARING BRACKET
(Outer)
Evergreen type

SUB FOR:
BLOXWICH 10163, SAEJIN 87009S
WORKS WITH: 1401-2176 BACKPLATE & 1401-2197-M/F OR 1401-6113 BUSHING HALVES
MATERIAL: STEEL
FINISH: GALVANIZED
WEIGHT: 0.25 LBS / 0.11 Kg

SUB FOR:
BLOXWICH 12258, MINER M4005, SAEJIN 86013
WORKS WITH: 1401-2612 OR 1401-2589 BUSHINGS
MATERIAL: STEEL
FINISH: GALVANIZED
WEIGHT: 0.35 LBS / 0.16 Kg

I.D. 3/8"
Ø10 MM

I.D. 3/4"
Ø19.3 MM

1-1/2"
38 MM

2-7/8"
73 MM

3-11/16"
94 MM

I.D. 1-1/2"
Ø39.6 MM

1"
25.8 MM

1-1/4"
38 MM

3-1/2"
94 MM

3/4"
19.0 MM

I.D. 7/16"
Ø11.5 MM

x 2 HOLES

2-3/4"
73 MM

3-11/16"
94 MM

1-3/16"
29.7 MM

I.D. 1-5/8"
Ø41 MM

1"
25.8 MM

1401-2721
ROD GUIDE BRACKET
Weld-on

SUB FOR: MINER M4107
WORKS WITH: 1401-2589 BUSHING
MATERIAL: STEEL
FINISH: GALVANIZED
WEIGHT: 0.28 LBS / 0.13 Kg

SUB FOR: BLOXWICH 10163/B, SAEJIN 87009/B
WORKS WITH: 1401-6156 BUSHING
MATERIAL: STEEL
FINISH: GALVANIZED
WEIGHT: 0.29 LBS / 0.13 Kg

1401-2785
SHORT BEARING BRACKET
(Outer)

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2/20/23
### SWING DOOR LOCKING SYSTEMS
#### BLOXWICH- & JINDO-STYLE COMPONENTS
**BEARING BRACKET SHIMS & GASKETS**
**DOMCON, ISO & REEFER CONTAINERS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
<th>Material</th>
<th>Finish</th>
<th>Weight</th>
<th>Sub For</th>
<th>Works With</th>
<th>Color</th>
<th>Additional Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>1401-2604</td>
<td>Bearing Bracket Shim 1/8&quot; (3 MM) Thick</td>
<td>3-1/2&quot; x 2&quot;</td>
<td>Steel</td>
<td>Galv</td>
<td>0.18 LBS / 0.08 Kg</td>
<td>1401-2175 &amp; 1401-2785 Bearing Brackets</td>
<td>1401-2604 &amp; 1401-2886 Bearing Brackets</td>
<td>Steel</td>
<td>Galv</td>
</tr>
<tr>
<td>1401-2886</td>
<td>Bearing Bracket Shim 5/64&quot; (2 MM) Thick</td>
<td>3-1/2&quot; x 2&quot;</td>
<td>Steel</td>
<td>Galv</td>
<td>0.12 LBS / 0.05 Kg</td>
<td>1401-2175 &amp; 1401-2785 Bearing Brackets</td>
<td>1401-2604 &amp; 1401-2886 Bearing Brackets</td>
<td>Steel</td>
<td>Galv</td>
</tr>
<tr>
<td>1401-7322</td>
<td>Gasket for Long Bearing Bracket</td>
<td>3-1/2&quot; x 2&quot;</td>
<td>EPDM Rubber</td>
<td>Black</td>
<td>0.04 LBS / 0.02 Kg</td>
<td>1401-2173, 1401-2541 &amp; 1401-6142 Brackets</td>
<td>1401-2604 &amp; 1401-2886 Bearing Brackets</td>
<td>EPDM Rubber</td>
<td>Black</td>
</tr>
<tr>
<td>1401-7323-1MM</td>
<td>Gasket for Short Bearing Bracket</td>
<td>3-1/2&quot; x 2&quot;</td>
<td>EPDM Rubber</td>
<td>Black</td>
<td>0.02 LBS / 0.01 Kg</td>
<td>1401-2175 Bracket &amp; 1401-2886 Shim</td>
<td>1401-2604 &amp; 1401-2886 Bearing Brackets</td>
<td>EPDM Rubber</td>
<td>Black</td>
</tr>
</tbody>
</table>

**Notes:**
- **I.D. 7/16" Ø11.5 MM x 2 HOLES 2-7/8" 73 MM**
- **1-1/2" 38 MM**
- **5/64" 2 MM**
- **1/8" 3 MM**
- **3-3/4" 94 MM**
- **1/32" 1 MM**
- **1-1/2" 38 MM**
- **2-7/8" 73 MM**
- **3-11/16" 94 MM**
- **1/32" 1 MM**
- **3-11/16" 94 MM**
- **I.D. 7/16" Ø11.5 MM x 4 HOLES 1/2" R13 MM**
- **2-7/8" 73 MM**
- **3-11/16" 94 MM**
- **1/32" 1 MM**
- **2-7/8" 73 MM**
- **3-11/16" 94 MM**

**Contact Information:**
- 904-696-0010
- E-mail: sales@buffersusa.com

**1401-22**

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2/21/23
WORKS WITH: 1401-2583
SPLIT BUSHING HALVES
MATERIAL: STEEL  FINISH: GALVANIZED
WEIGHT: 1.5 LBS / 0.68 Kg

SUB FOR: MINER M4207
WORKS WITH: 1401-2582 BUSHING
MATERIAL: STEEL  FINISH: GALVANIZED
WEIGHT: 1.5 LBS / 0.68 Kg

SUB FOR: MINER M4003
WORKS WITH: 1401-2601 BACKPLATE & 1401-2594 SPLIT BUSHING HALVES
MATERIAL: STEEL  FINISH: GALVANIZED
WEIGHT: 1.44 LBS / 0.65 Kg

SUB FOR: MINER M4105
WORKS WITH: 1401-2602 BACKPLATE & 1401-2594 BUSHING
MATERIAL: STEEL  FINISH: GALVANIZED
WEIGHT: 1.1 LBS / 0.5 Kg

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2/21/23
**Model 1401-2174**

- I.D. 3/8" Ø10 MM x 2 Holes
- 3/4" R19.3 MM
- 1/4" 7 MM
- 3/32" 2.6 MM
- 3/4" 76 MM
- 3/4" 114 MM

**SUB FOR:** BLOXWICH 10159-1, CIMC D23-04, REFRIGERATED CONTAINER RCC10159/1, SAEJIN 87006, SINGAMAS SJ-87006/3

**WORKS WITH:** 1401-2173, 1401-2541 BEARING BRACKETS & 1401-2613, 1401-2615-M/F BUSHINGS

**MATERIAL:** STEEL

**FINISH:** GALVANIZED

**WEIGHT:** 0.26 LBS / 0.118 Kg

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**Model 1401-2176**

- I.D. 3/8" Ø10 MM
- 3/4" R19.3 MM
- 1/4" 7 MM
- 3/32" 2.6 MM
- 3/4" 19 MM
- 1-1/2" 38 MM

**SUB FOR:** BLOXWICH 10160, CIMC D23-06, REFRIGERATED CONTAINER RCC10160, SAEJIN 87010S, SINGAMAS SJ-87010S

**WORKS WITH:** 1401-2175 BEARING BRACKET & 1401-2197-M/F BUSHINGS

**MATERIAL:** STEEL

**FINISH:** GALVANIZED

**WEIGHT:** 0.085 LBS / 0.039 Kg

---

**Model 1401-2601**

- I.D. 9/16" Ø14 MM
- 3-1/16" 93.5 MM
- 6-11/16" 169.5 MM
- 3-1/2" 88.5 MM
- 3" 76 MM
- 4-1/16" 102.5 MM

**SUB FOR:** MINER M4004

**WORKS WITH:** 1401-2596 BEARING BRACKET & 1401-2594 BUSHING HALVES

**MATERIAL:** STEEL

**FINISH:** GALVANIZED

**WEIGHT:** 0.95 LBS / 0.431 Kg

---

**Model 1401-2602**

- I.D. 9/16" Ø14 MM
- 6-11/16" 169.5 MM
- 2-9/16" 65 MM
- 1-3/4" 44 MM

**SUB FOR:** MINER M4106

**WORKS WITH:** 1401-2597 BEARING BRACKET & 1401-2594 BUSHING HALVES

**MATERIAL:** STEEL

**FINISH:** GALVANIZED

**WEIGHT:** 0.45 LBS / 0.204 Kg

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10/17/23
### SWING DOOR LOCKING SYSTEMS

**BLOXWICH-STYLE COMPONENTS**

**BEARING SPLIT BUSHINGS (Long & Short)**

**CONTAINERS & VAN TRAILERS**

#### MODEL 1401-2613
- **SPLIT BUSHING HALVES**
- **I.D. 1-3/8” Ø34.8 MM**
- **1-1/2” 39.4 MM**
- **1” 26 MM**
- **3” 76 MM**
- **4-7/16” 113 MM**
- **SUB FOR:** BLOXWICH 10559
- **WORKS WITH:** 1401-2173, 1401-2541 & 1401-6142
- **BEARING BRACKETS**
- **MATERIAL:** NYLATRON
- **COLOR:** BLACK
- **WEIGHT:** 0.05 LBS / 0.023 Kg

#### MODEL 1401-2614
- **SPLIT BUSHING HALVES**
- **I.D. 1-3/8” Ø35 MM**
- **2-1/8” 54 MM**
- **2-3/16” 56 MM**
- **3-5/8” 92 MM**
- **SUB FOR:** BLOXWICH 12272
- **WORKS WITH:** 1401-2308 BEARING BRACKET
- **MATERIAL:** NYLATRON
- **COLOR:** BLACK
- **WEIGHT:** 0.05 LBS / 0.023 Kg

#### MODEL 1401-2615-M & 1401-2615-F
- **SPLIT BUSHINGS**
- **I.D. 1-3/8” Ø34.8 MM**
- **11/16” 17.8 MM**
- **4-3/8” 111.9 MM**
- **3” 76.3 MM**
- **11/16” 17.8 MM**
- **SUB FOR:** BLOXWICH 10554 (Female), 10555 (Male)
- **WORKS WITH:** 1401-2542 & 1401-7030 LONG BEARING BRACKETS
- **MATERIAL:** NYLATRON
- **COLOR:** BLACK
- **WEIGHT:** 0.069 LBS / 0.031 Kg

#### MODEL 1401-2838
- **SPLIT BUSHING HALVES**
- **I.D. 1-3/8” Ø35 MM**
- **1-9/16” 35.7 MM**
- **1” 26 MM**
- **4” 102 MM**
- **6-13/16” 173 MM**
- **SUB FOR:** BLOXWICH 10561
- **WORKS WITH:** 1401-2542 & 1401-7030 LONG BEARING BRACKETS
- **MATERIAL:** NYLATRON
- **COLOR:** WHITE
- **WEIGHT:** 0.069 LBS / 0.031 Kg

#### MODEL 1401-6113
- **SPLIT BUSHING HALVES**
- **I.D. 1-3/8” Ø34.8 MM**
- **1-9/16” 38.8 MM**
- **1-1/2” 38.8 MM**
- **1-7/16” 37 MM**
- **SUB FOR:** BLOXWICH 10560
- **WORKS WITH:** 1401-2175 SHORT BEARING BRACKET
- **MATERIAL:** NYLATRON
- **COLOR:** GRAY
- **WEIGHT:** 0.02 LBS / 0.01 Kg

#### MODEL 1401-6156
- **SPLIT BUSHING HALVES**
- **I.D. 1-3/8” Ø34.8 MM**
- **1-3/16” 30 MM**
- **1-7/16” 37 MM**
- **SUB FOR:** BLOXWICH 10562
- **WORKS WITH:** 1401-2785 SHORT BEARING BRACKET
- **MATERIAL:** NYLATRON
- **COLOR:** GRAY
- **WEIGHT:** 0.02 LBS / 0.01 Kg

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3/1/23
**LOCK ROD PIPE**

**ISO/AAR type**

**MATERIAL**: WELDED STEEL PIPE (1" SCH 40)

**FINISH**: HOT-DIP GALVANIZED

**WEIGHT**: 16.8 LBS / 7.6 Kg

**O.D.** 1-5/16" Ø33.4 MM

**I.D.** 1-1/16" Ø26.64 MM

**120" / 3,048 MM**

MODEL: 1401-6204-120-1.05
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Dimensions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1402-2003</td>
<td>Miner style/universal, bolt-on, works w/ 1/2&quot; pin, no bushing required</td>
<td>4-7/16&quot; x 113.7 MM</td>
<td></td>
</tr>
<tr>
<td>2003-GF</td>
<td></td>
<td>4-7/16&quot; x 113.7 MM</td>
<td>Grease Fitting (only on 2003-GF)</td>
</tr>
<tr>
<td>1402-2537</td>
<td>Bloxwich/Carlisle style, works w/ 1/2&quot; pin, includes brass bushing</td>
<td>4-3/8&quot; x 150.5 MM</td>
<td></td>
</tr>
<tr>
<td>2003</td>
<td>Miner style/universal, bolt-on, works w/ 1/2&quot; pin, no bushing required</td>
<td>3-15/16&quot; x 100.5 MM</td>
<td></td>
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<tr>
<td>2003-GF</td>
<td></td>
<td>3-15/16&quot; x 100.5 MM</td>
<td></td>
</tr>
<tr>
<td>1402-2003-GF</td>
<td>Miner style/universal, bolt-on, works w/ 1/2&quot; pin, no bushing required</td>
<td>4-7/16&quot; x 113.7 MM</td>
<td></td>
</tr>
<tr>
<td>2003-GF</td>
<td></td>
<td>4-7/16&quot; x 113.7 MM</td>
<td>Grease Fitting (only on 2003-GF)</td>
</tr>
<tr>
<td>1402-2701</td>
<td>Bloxwich style, bolt-on, works w/ 1/2&quot; pin, includes nylon bushings</td>
<td>2-1/2&quot; x 63.5 MM</td>
<td></td>
</tr>
<tr>
<td>1402-2732</td>
<td>Frueauf style, works w/ 1/2&quot; pin, no bushing required</td>
<td>2-1/2&quot; x 63.5 MM</td>
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<tr>
<td>2003-GF</td>
<td></td>
<td>4-7/16&quot; x 113.7 MM</td>
<td></td>
</tr>
<tr>
<td>1402-2537</td>
<td>Bloxwich/Carlisle style, works w/ 1/2&quot; pin, includes brass bushing</td>
<td>4-3/8&quot; x 150.5 MM</td>
<td></td>
</tr>
</tbody>
</table>

**Material:** Steel, Finish: Hot-dip galvanized, Weight: 3.56 Lbs / 1.61 Kg, Works With: 1402-2393 Hinge Bracket & 1402-6257 Hinge Pin

**Material:** Steel, Finish: Hot-dip galvanized, Weight: 3.56 Lbs / 1.61 Kg, Works With: 1402-2393 Hinge Bracket & 1402-6257 Hinge Pin

**Material:** Cast steel, Finish: Hot-dip galvanized (HDG), Weight: 3.8 Lbs / 1.72 Kg, Works With: 1402-1651 or 1402-6227 Hinge Pins

**Material:** Steel, Finish: Hot-dip galvanized, Weight: 2.7 Lbs / 1.22 Kg, Works With: 1402-2393 Hinge Bracket & 1402-6230 Hinge Pin
SUB FOR: WABASH 06300291 & 21100291, FLEET ENG. 022-00975 WORKS WITH: 1402-2340 HINGE BRACKET & 1402-7541 HINGE PIN MATERIAL: ALUMINUM FINISH: SELF-COLOR WEIGHT: 1.02 LBS / 0.46 Kg

SUB FOR: HYUNDAI 10009668, PENZ 60-17 WORKS WITH: 1402-6230 HINGE PIN MATERIAL: ALUMINUM FINISH: SELF-COLOR WEIGHT: 1.52 LBS / 0.69 Kg

SUB FOR: FRUEHAUF DXA-0687, PENZ 60-01, FLEET ENG. 022-00013 WORKS WITH: 1402-1651 or 1402-2270 HINGE PINS MATERIAL: STEEL FINISH: HOT-DIP GALVANIZED WEIGHT: 1.7 LBS / 0.77 Kg

SUB FOR: HYUNDAI 10009668, PENZ 60-17 WORKS WITH: 1402-6230 HINGE PIN MATERIAL: ALUMINUM FINISH: SELF-COLOR WEIGHT: 1.52 LBS / 0.69 Kg
**SUB FOR:** TRAILMOBILE 515-10-61A, MINER P-6016, FLEET ENG. 023-00008  
**WORKS WITH:** 1402-7532 HINGE BRACKET & 1402-7544 HINGE PIN  
**MATERIAL:** STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 1.33 LBS / 0.6 Kg

**SUB FOR:** TRAILMOBILE 515-10-73A, FLEET ENG. 023-00940  
**WORKS WITH:** 1402-7532 HINGE BRACKET & 1402-7544 HINGE PIN  
**MATERIAL:** STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 1.76 LBS / 0.8 Kg

**SUB FOR:** UTILITY 01-4950-0-004, FLEET ENG. 023-00943  
**WORKS WITH:** 1402-7545 HINGE PIN  
**MATERIAL:** STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 2 LBS / 0.91 Kg

**SUB FOR:** DORSEY 2810093, FLEET ENG. 022-00888  
**WORKS WITH:** 1402-7541 HINGE PIN  
**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 1.06 LBS / 0.48 Kg

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**MODEL 1402-7487**  
Trailmobile style, works w/ 5/8” pin, no bushing required

**MODEL 1402-7488**  
Trailmobile style, works w/ 5/8” pin, no bushing required

**MODEL 1402-7489**  
Utility style, works w/ 5/8” pin, no bushing required

**MODEL 1402-7490**  
Dorsey style, works w/ 1/2” pin, no bushing required

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10/7/21
**MODEL 1402-7491**

Dorsey style, works w/ 1/2" pin, no bushing required

- I.D. 13/32" Ø10.4 MM x 3 HOLES
- 2-11/16" 68.6 MM
- 3-1/4" 82.8 MM
- 1-11/16" 42.9 MM
- 1-3/4" 44.5 MM
- 7-3/4" / 196.9 MM

Sub For: DORSEY 2810919, FLEET ENG. 022-00889

Material: ALUMINUM  Finish: SELF-COLOR

Weight: 0.81 LBS / 0.37 Kg

Works with: 1402-7538 HINGE BRACKET & 1402-7541 HINGE PIN

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**MODEL 1402-7492**

Fruehauf style, works w/ 1/2" pin, no bushing required

- I.D. 13/32" Ø10.3 MM x 5 HOLES
- 4" 101.6 MM
- 3" 76.2 MM
- 1-7/16" 37 MM
- 1/4" 6.4 MM
- 7-11/16" 194.6 MM

Sub For: FRUEHAUF BCF004678001, FLEET ENG. 022-01004

Material: ALUMINUM  Finish: SELF-COLOR

Weight: 1 LB / 0.45 Kg

Works with: 1402-2350 HINGE BRACKET & 1402-6230 HINGE PIN

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**MODEL 1402-7495**

Great Dane style, works w/ 1/2" pin, includes nylon bushing

- I.D. 13/32" Ø10.4 MM x 3 HOLES
- 3-7/8" 98.6 MM
- 4-1/16" 103.1 MM
- 8-3/8" / 213 MM
- 3/8" 9.3 MM
- 7-13/16" 198.4 MM

Sub For: GREAT DANE 31801018, FLEET ENG. 022-00407

Material: ALUMINUM  Finish: SELF-COLOR

Weight: 1.2 LBS / 0.54 Kg

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**MODEL 1402-7496**

Great Dane style, works w/ 3/8" pin, no bushing required

- I.D. 3/8" Ø9.8 MM x 3 HOLES
- 3-15/16" 100 MM
- 2-1/2" 63.5 MM
- 2-1/2" 63.5 MM
- 5/16" 7.9 MM

Sub For: GREAT DANE 15152, FLEET ENG. 022-01007

Material: ALUMINUM  Finish: SELF-COLOR

Weight: 0.92 LBS / 0.42 Kg
SWING DOOR HARDWARE
HINGES
DRY & REEFER VAN TRAILERS

SUB FOR: GREAT DANE 47563, FLEET ENG. 022-01058
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.23 LBS / 0.56 Kg
WORKS WITH: 1402-7542 HINGE PIN

SUB FOR: GREAT DANE 08138, FLEET ENG. 023-00563
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.13 LBS / 0.51 Kg
WORKS WITH: 1402-7542 HINGE PIN

SUB FOR: GREAT DANE 08206, FLEET ENG. 023-00562
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.41 LBS / 0.64 Kg
WORKS WITH: 1402-7542 HINGE PIN

**SUB FOR:** GREAT DANE 31800904,
FLEET ENGINEERS 022-01009
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.2 LBS / 0.54 Kg
I.D. 3/8” Ø9.8 MM x 3 HOLES
7-1/8” / 181.1 MM
2-3/16” 55.6 MM
2-1/2” 63.5 MM
1-1/16” 27.1 MM
5/16” 7.9 MM
1” / 25.4 MM
2-3/16” 55.6 MM
SUB FOR: GREAT DANE 08138, FLEET ENG. 023-00563
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.13 LBS / 0.51 Kg
WORKS WITH: 1402-7542 HINGE PIN

**SUB FOR:** GREAT DANE 31800904,
FLEET ENGINEERS 022-01009
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.2 LBS / 0.54 Kg
I.D. 3/8” Ø9.8 MM x 3 HOLES
7-1/8” / 181.1 MM
2-3/16” 55.6 MM
2-1/2” 63.5 MM
1-1/16” 27.1 MM
5/16” 7.9 MM
1” / 25.4 MM
2-3/16” 55.6 MM

**SUB FOR:** GREAT DANE 31800904,
FLEET ENGINEERS 022-01009
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.2 LBS / 0.54 Kg
I.D. 3/8” Ø9.8 MM x 4 HOLES
2-1/2” 63.5 MM
3” 76.2 MM
8-3/8” / 213 MM
4-1/16” 103.1 MM
2-3/16” 55.6 MM

**SUB FOR:** GREAT DANE 31800904,
FLEET ENGINEERS 022-01009
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.2 LBS / 0.54 Kg
I.D. 3/8” Ø9.8 MM x 3 HOLES
2-1/2” 63.5 MM
3” 76.2 MM
8-3/8” / 213 MM
4-1/16” 103.1 MM
2-3/16” 55.6 MM

**SUB FOR:** GREAT DANE 31800904,
FLEET ENGINEERS 022-01009
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.2 LBS / 0.54 Kg
I.D. 3/8” Ø9.8 MM x 3 HOLES
2-1/2” 63.5 MM
3” 76.2 MM
8-3/8” / 213 MM
4-1/16” 103.1 MM
2-3/16” 55.6 MM

**SUB FOR:** GREAT DANE 31800904,
FLEET ENGINEERS 022-01009
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.2 LBS / 0.54 Kg
I.D. 3/8” Ø9.8 MM x 3 HOLES
2-1/2” 63.5 MM
3” 76.2 MM
8-3/8” / 213 MM
4-1/16” 103.1 MM
2-3/16” 55.6 MM

**SUB FOR:** GREAT DANE 31800904,
FLEET ENGINEERS 022-01009
MATERIAL: ALUMINUM
FINISH: SELF-COLOR
WEIGHT: 1.2 LBS / 0.54 Kg
I.D. 3/8” Ø9.8 MM x 3 HOLES
2-1/2” 63.5 MM
3” 76.2 MM
8-3/8” / 213 MM
4-1/16” 103.1 MM
2-3/16” 55.6 MM
### SUB FOR: GREAT DANE 42500813,
FLEET ENGINEERS 023-01656
**MATERIAL:** ALUMINUM
**FINISH:** SELF-COLOR
**WEIGHT:** 0.48 Kg
**WORKS WITH:** 1402-7542 HINGE PIN

### SUB FOR: HYUNDAI 20003077,
FLEET ENGINEERS 023-01657
**MATERIAL:** ALUMINUM
**FINISH:** SELF-COLOR
**WEIGHT:** 0.66 Kg
**WORKS WITH:** 1402-6230 HINGE PIN

### SUB FOR: KENTUCKY 6616396000R,
FLEET ENGINEERS 022-01035
**MATERIAL:** ALUMINUM
**FINISH:** SELF-COLOR
**WEIGHT:** 0.67 Kg

### SUB FOR: KENTUCKY 6616600000,
FLEET ENGINEERS 022-01040
**MATERIAL:** ALUMINUM
**FINISH:** SELF-COLOR
**WEIGHT:** 0.29 Kg

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**MODEL 1402-7501**

- **Great Dane style**, works w/ 3/8" pin, no bushing required
- **I.D. 3/8"**
- **Ø9.9 MM x 3 HOLES**
- **3-7/8"**
- **99 MM**
- **2-1/2"**
- **63.5 MM**
- **2-3/4"**
- **69.9 MM**
- **7-1/8"**
- **180.3 MM**

**SUB FOR:** KENTUCKY 6616396000R,
FLEET ENGINEERS 022-01035
**MATERIAL:** ALUMINUM
**FINISH:** SELF-COLOR
**WEIGHT:** 1.47 LBS / 0.67 Kg

**MODEL 1402-7502**

- **Kentucky style** (Side Door)
- Assembly w/ 3/8" hex bolt pin, brackets, washers & nylon bushings
- **I.D. 3/8"**
- **Ø9.9 MM x 3 HOLES**
- **3-7/8"**
- **99 MM**
- **2-1/2"**
- **63.5 MM**
- **2-3/4"**
- **69.9 MM**
- **7-1/8"**
- **180.3 MM**

**MODEL 1402-7503**

- **Hyundai style**, works w/ 1/2" pin, includes nylon bushing
- **I.D. 13/32"**
- **Ø10.3 MM x 3 HOLES**
- **4"**
- **101.6 MM**
- **4-1/2"**
- **114.3 MM**
- **9-9/16" / 242.85 MM**
- **3/8"**
- **9.53 MM**
- **9" / 228.6 MM**

**MODEL 1402-7504**

- **Kentucky style** (Side Door)
- Assembly w/ 3/8" hex bolt pin, brackets, washers & nylon bushings
- **I.D. 3/8"**
- **Ø9.9 MM x 3 HOLES**
- **3-7/8"**
- **99 MM**
- **2-1/2"**
- **63.5 MM**
- **2-3/4"**
- **69.9 MM**
- **7-1/8"**
- **180.3 MM**

**MODEL 1402-7505**

- **Kentucky style** (Belly Box)
- Assembly w/ 3/8" hex bolt pin, brackets, washers & nylon bushings
- **I.D. 3/8"**
- **Ø9.9 MM x 7 HOLES**
- **3-5/8" / 85.8 MM**
- **2-1/2" / 63.5 MM**
- **2-3/4" / 69.9 MM**
- **3-7/8" / 99.9 MM**
- **4-1/2" / 114.3 MM**
- **7-1/8" / 180.3 MM**

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 Barbie 904-696-0010

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**SUB FOR:** MANAC V3K00002, FLEET ENG. 022-01041  
**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 1.1 LBS / 0.48 Kg  
**WORKS WITH:** 1402-7541 HINGE PIN

**SUB FOR:** MANON ED045011, FLEET ENG. 022-01185  
**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 1.36 LBS / 0.62 Kg  
**WORKS WITH:** 1402-6230 HINGE PIN

**SUB FOR:** MANON PC1310, FLEET ENG. 022-00996  
**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 1.32 LBS / 0.6 Kg  
**WORKS WITH:** 1402-2350 HINGE BRACKET & 1402-6230 HINGE PIN

**SUB FOR:** MONON ED045011, FLEET ENG. 022-01185  
**MATERIAL:** ALUMINUM  
**FINISH:** SELF-COLOR  
**WEIGHT:** 1.36 LBS / 0.62 Kg  
**WORKS WITH:** 1402-6230 HINGE PIN
### Vanguard style

- **Material:** Aluminum
- **Finish:** Self-color
- **Weight:** 0.86 LBS / 0.39 Kg
- **Works With:**
  - 1402-2340 Hinge Bracket & 1402-7541 Hinge Pin

### Pines style

- **Material:** Aluminum
- **Finish:** Self-color
- **Weight:** 0.85 LBS / 0.39 Kg
- **Works With:**
  - 1402-2393 Hinge Bracket & 1402-6230 Hinge Pin

### Stoughton style

- **Material:** Aluminum
- **Finish:** Self-color
- **Weight:** 1.39 LBS / 0.63 Kg
- **Works With:**
  - 1402-2393 Hinge Bracket & 1402-6230 Hinge Pin

### Vanguard RFP00127

- **Material:** Aluminum
- **Finish:** Self-color
- **Weight:** 1 LB / 0.45 Kg
- **Works With:**
  - 1402-7541 Hinge Pin

### Stoughton 04-08316-000-00

- **Material:** Aluminum
- **Finish:** Self-color
- **Weight:** 1.39 LBS / 0.63 Kg
- **Works With:**
  - 1402-2393 Hinge Bracket & 1402-6230 Hinge Pin

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**Model 1402-7510**

**Vanguard style**, works w/ 1/2" pin, includes nylon bushing

- I.D. 13/32" Ø10.4 MM x 3 HOLES
- 3" 76.2 MM
- 2" 50.8 MM
- 4-7/8" 123.8 MM
- 3-1/2" 89 MM
- 9-13/16" / 248.8 MM

**Model 1402-7512**

**Pines style**, works w/ 1/2" pin, no bushing required

- I.D. 9/32" Ø7.1 MM x 3 HOLES
- 3-11/16" 93.2 MM
- 3-1/2" 88.9 MM
- 8-1/2" / 215.2 MM

**Model 1402-7513**

**Stoughton style**, works w/ 1/2" pin, includes nylon bushing

- I.D. 1/2" Ø13 MM
- 3-1/4" / 78 MM
- 9-1/4" / 234.7 MM
- 1/4" 7 MM

**Model 1402-7514**

**Stoughton style**, works w/ 1/2" pin, includes nylon bushings

- I.D. 13/32" Ø10.3 MM x 3 HOLES
- 2-13/16" 56.6 MM
- 1-3/4" 44.5 MM
- 4" / 101.6 MM
- 9-5/8" / 244.5 MM

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**SUB FOR:**

- Vanguard RFP00127, Fleet Eng. 022-01407
- Stoughton 04-08316-000-00
- Vanguard RFP00127, Fleet Eng. 022-01407
- Stoughton 04-08316-000-00

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**Phone:** 904-696-0010

**Address:**

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1402-19
**MODEL 1402-7515**

*Strick style, works w/ 1/2” pin, includes nylon bushing*

- I.D. 13/32” Ø10.4 MM x 3 HOLES
- 3” 76.2 MM
- 4.3/8” 110.2 MM
- 6-3/4” 171.3 MM

**SUB FOR:** STRICK AA35F00100100, FLEET ENG. 022-01003

**MATERIAL:** ALUMINUM

**FINISH:** SELF-COLOR

**WEIGHT:** 0.64 LBS / 0.29 Kg

**WORKS WITH:** 1402-7541 HINGE PIN

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**MODEL 1402-7516**

*Strick style, works w/ 1/2” pin, includes nylon bushing*

- I.D. 13/32” Ø10.4 MM x 4 HOLES
- 2-3/4” 69.9 MM
- 4-15/16” 125.7 MM
- 9-11/16” 246 MM

**SUB FOR:** STRICK AA35F00200100, FLEET ENG. 022-01013

**MATERIAL:** ALUMINUM

**FINISH:** SELF-COLOR

**WEIGHT:** 0.88 LBS / 0.4 Kg

**WORKS WITH:** 1402-7544 HINGE PIN

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**MODEL 1402-7517**

*Trailmobile style, works w/ 5/8” pin, no bushing required*

- I.D. 1/4” Ø7 MM x 3 HOLES
- 2-7/8” 73 MM
- 3” 76.2 MM
- 7-1/8” / 181 MM

**SUB FOR:** TRAILMOBILE 515-10-65,

**FLEET ENGINEERS:** 022-00966

**MATERIAL:** ALUMINUM

**FINISH:** SELF-COLOR

**WEIGHT:** 0.64 LBS / 0.29 Kg

**WORKS WITH:** 1402-7544 HINGE PIN

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**MODEL 1402-7519**

*Kentucky style, works w/ 1/2” pin, no bushing required*

- I.D. 13/32” Ø10.4 MM x 3 HOLES
- 4-3/16” 107 MM
- 4” 101.6 MM
- 9-1/2” / 241.1 MM

**SUB FOR:** KENTUCKY 2906, FLEET ENG. 022-00614

**MATERIAL:** FAB. STEEL

**FINISH:** ZINC-PLATED

**WEIGHT:** 2.7 LBS / 1.22 Kg

**WORKS WITH:**

- 1402-2350 HINGE BRACKET
- 1402-6230 HINGE PIN
### MODEL 1402-7520
Utility style, works w/ 1/2” pin, no bushing required

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
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<tbody>
<tr>
<td>I.D.</td>
<td>Ø13.32” x 3 Holes</td>
</tr>
<tr>
<td>3”</td>
<td>76.2 MM</td>
</tr>
<tr>
<td>4-1/2”</td>
<td>114.3 MM</td>
</tr>
<tr>
<td>4”</td>
<td>101.6 MM</td>
</tr>
<tr>
<td>6-15/16”</td>
<td>227 MM</td>
</tr>
</tbody>
</table>

**SUB FOR:** UTILITY 03-4100-0-019, FLEET ENG. 022-01056
**MATERIAL:** ALUMINUM  **FINISH:** SELF-COLOR  **WEIGHT:** 1.38 LBS / 0.62 Kg

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### MODEL 1402-7521
Utility style, works w/ 1/2” pin, no bushing required

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.D.</td>
<td>Ø13.32” x 3 Holes</td>
</tr>
<tr>
<td>3”</td>
<td>76.2 MM</td>
</tr>
<tr>
<td>4”</td>
<td>101.6 MM</td>
</tr>
<tr>
<td>4-1/2”</td>
<td>114.3 MM</td>
</tr>
<tr>
<td>9-1/2”</td>
<td>241.3 MM</td>
</tr>
</tbody>
</table>

**SUB FOR:** UTILITY 03-4100-0-022, FLEET ENGINEERS 022-01184
**MATERIAL:** ALUMINUM  **FINISH:** SELF-COLOR  **WEIGHT:** 1.02 LBS / 0.46 Kg

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### MODEL 1402-7523
Wabash style, works w/ 1/2” pin, no bushing required

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.D.</td>
<td>Ø13.32” x 4 Holes</td>
</tr>
<tr>
<td>3-15/16”</td>
<td>99.7 MM</td>
</tr>
<tr>
<td>4-1/2”</td>
<td>114.3 MM</td>
</tr>
<tr>
<td>3”</td>
<td>76.2 MM</td>
</tr>
<tr>
<td>8-11/16”</td>
<td>219.9 MM</td>
</tr>
</tbody>
</table>

**SUB FOR:** WABASH 6301272 & 21101272, FLEET ENG. 022-01047
**MATERIAL:** ALUMINUM  **FINISH:** SELF-COLOR  **WEIGHT:** 0.90 LBS / 0.41 Kg

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### MODEL 1402-7524
Wabash style, works w/ 1/2” pin, includes nylon bushings

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.D.</td>
<td>Ø13.32” x 4 Holes</td>
</tr>
<tr>
<td>3”</td>
<td>76.2 MM</td>
</tr>
<tr>
<td>4-1/2”</td>
<td>114.3 MM</td>
</tr>
<tr>
<td>2-3/4”</td>
<td>69.9 MM</td>
</tr>
<tr>
<td>2-11/16”</td>
<td>68 MM</td>
</tr>
</tbody>
</table>

**SUB FOR:** WABASH 06301527, FLEET ENG. 022-01182
**MATERIAL:** ALUMINUM  **FINISH:** SELF-COLOR  **WEIGHT:** 0.81 LBS / 0.37 Kg
**WORKS WITH:** 1402-2340 HINGE BRACKET & 1402-7541 HINGE PIN
SWING DOOR HARDWARE
HINGES
DRY & REEFER VAN TRAILERS

**MODEL 1402-7526**

*Stoughton style*, works w/ 1/2" pin, includes nylon bushings

- I.D. 13/32" Ø10.4 MM x 5 HOLES
- 4-3/16" 105.6 MM
- 3" 76.2 MM
- 4" 101.6 MM
- 4-1/2" 114.3 MM
- 9-9/16" / 242.5 MM
- 1-3/8" 35 MM
- 3-3/4" 95 MM
- 9-1/16" / 230 MM
- 1/4" 6.35 MM

**SUB FOR:** STOUGHTON P108540, MINER H-1085, FLEET ENG. 022-01086
**MATERIAL:** ALUMINUM
**FINISH:** SELF-COLOR
**WEIGHT:** 1.2 LBS / 0.54 Kg
**WORKS WITH:** 1402-7541 HINGE PIN

**MODEL 1402-8983**

*Great Dane style* (reefer), works w/ 3/8" pin, includes nylon bushing

- I.D. 13/32" Ø10.3 MM x 3 HOLES
- 3-7/8" 98.4 MM
- 1-1/8" 29 MM
- 3-1/4" 83 MM
- 2-1/16" 52.8 MM
- 5/16" 8 MM
- 7/16" / 11.1 MM
- 1-3/4" 45 MM
- 7" / 178.5 MM

**SUB FOR:** GREAT DANE 1806105
**MATERIAL:** ALUMINUM
**FINISH:** SELF-COLOR
**WEIGHT:** 1.32 LBS / 0.6 Kg
**WORKS WITH:** 1402-7542 HINGE PIN

**MODEL 1402-9007**

*Kentucky style*, works w/ 1/2" pin, no bushing required

- I.D. 3/8" Ø10 MM x 3 HOLES
- 4" 101.6 MM
- 3-7/8" 99.2 MM
- 1-1/4" / 234 MM
- 1/4" 6.4 MM
- 15/16" 22.2 MM
- 11/16" 17.5 MM
- 8-3/4" / 221.5 MM

**SUB FOR:** KENTUCKY 6650000002, EBERHARD 31-5897-2 & 31-5897-50-13
**MATERIAL:** STEEL
**FINISH:** HOT-DIP GALVANIZED
**WEIGHT:** 2.65 LBS / 1.2 Kg
**WORKS WITH:** 1402-9011 BRACKET
### SUB FOR: BLOXWICH BCP-10040
- **MATERIAL:** NYLONTON  
- **COLOR:** BLACK  
- **WEIGHT:** 0.01 LBS / 4 GM

### SUB FOR: JINDO R26361-0201
- **MATERIAL:** BRONZE  
- **FINISH:** SELF-COLOR  
- **WEIGHT:** 0.03 LBS

---

#### MODEL 1402-1652
- **O.D. 1” Ø26.2 MM**
- **I.D. 1/2” Ø12.4 MM**

#### MODEL 1402-1739-N
- **O.D. 3/4” Ø19 MM**
- **I.D. 1/2” Ø13 MM**

#### MODEL 1402-1739-B
- **O.D. 3/4” Ø19 MM**
- **I.D. 1/2” Ø13 MM**

#### MODEL 1402-1740
- **O.D. 3/4” Ø19 MM**
- **I.D. 1/2” Ø13 MM**

#### MODEL 1402-1994
- **O.D. 11/16” Ø17 MM**
- **I.D. 1/2” Ø13 MM**

#### MODEL 1402-8707
- **O.D. 5/8” Ø16 MM**
- **I.D. 1/2” Ø13 MM**

#### MODEL 1402-8708
- **O.D. 5/8” Ø16 MM**
- **I.D. 1/2” Ø13 MM**
<table>
<thead>
<tr>
<th>MODEL 1402-2205</th>
<th>MODEL 1402-2328</th>
<th>MODEL 1402-2329</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOR 1/2&quot; PIN</td>
<td>FOR 1/2&quot; PIN</td>
<td>FOR 1/2&quot; PIN</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>1-1/8&quot;</td>
<td>1-1/8&quot;</td>
<td>5/8&quot;</td>
</tr>
<tr>
<td>2&quot;</td>
<td>2&quot;</td>
<td>5/16&quot;</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>7.6 MM</td>
</tr>
<tr>
<td>Ø13 MM</td>
<td>Ø13 MM</td>
<td>11/16&quot;</td>
</tr>
</tbody>
</table>

**SUB FOR:** BLOXWICH L-2220  
**MATERIAL:** STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 0.19 LBS / 0.09 Kg

<table>
<thead>
<tr>
<th>MODEL 1402-2885</th>
<th>MODEL 1402-6534</th>
<th>MODEL 1402-6870</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOR 1/2&quot; PIN</td>
<td>FOR 3/8&quot; PIN</td>
<td>FOR 1/2&quot; PIN</td>
</tr>
<tr>
<td>9/16&quot;</td>
<td>1-1/4&quot;</td>
<td>1-3/16&quot;</td>
</tr>
<tr>
<td>1-3/8&quot;</td>
<td>1/4&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>6.4 MM</td>
<td>10 MM</td>
</tr>
<tr>
<td>9/16&quot;</td>
<td>Ø5.5 MM</td>
<td>Ø13.2 MM</td>
</tr>
<tr>
<td>1-5/16&quot;</td>
<td>3-1/16&quot;</td>
<td>4-1/16&quot;</td>
</tr>
</tbody>
</table>

**FITS:** HYUNDAI 102" WIDE CONT.  
**MATERIAL:** STEEL  
**FINISH:** ZINC-PLATED  
**WT:** 0.19 LBS

**SUB FOR:** GREAT DANE 08137, PENZ 65-07  
**MATERIAL:** STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 0.22 LBS

<table>
<thead>
<tr>
<th>MODEL 1402-7031</th>
<th>MODEL 1402-7032</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOR 1/2&quot; PIN</td>
<td>FOR 1/2&quot; PIN</td>
</tr>
<tr>
<td>9/16&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>1-3/9&quot;</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>1-15/16&quot;</td>
<td>9/16&quot;</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>9/16&quot;</td>
</tr>
<tr>
<td>15/16&quot;</td>
<td>1-1/2&quot;</td>
</tr>
</tbody>
</table>

**SUB FOR:** CIMC 10-004  
**FITS:** SINGAMAS 40' REEFER  
**MATERIAL:** STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 0.12 LBS / 0.06 Kg

**SUB FOR:** SAEJIN PH60011  
**MATERIAL:** STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 0.16 LBS / 0.07 Kg

---

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**904-696-0010**

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SWING DOOR HARDWARE
HINGE BRACKETS
DRY & REEFER VAN TRAILERS

MODEL 1402-2340
Wabash style

MODEL 1402-2340-SS
Wabash style

SUB FOR: WABASH 06300297,
      PENZ 65-06, FLEET ENGINEERS 023-00669
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.52 LBS / 0.24 Kg

SUB FOR: FLEET ENGINEERS 021-00308
MATERIAL: STAINLESS STEEL
FINISH: SELF-COLOR
WEIGHT: 0.52 LBS / 0.24 Kg

MODEL 1402-2350
Fruehauf style

MODEL 1402-2393
Miner style

SUB FOR: FRUEHAUF WCF-3981-1, PENZ 65-04
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.45 LBS / 0.2 Kg

SUB FOR: MINER HB-1156-6: PENZ 65-05, FLEET ENGINEERS 023-00664
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.6 LBS / 0.27 Kg

MODEL 1402-7247
Fruehauf style

MODEL 1402-7531
Fruehauf style

SUB FOR: FLEET ENGINEERS 023-00674
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.78 LBS / 0.354 Kg

SUB FOR: FLEET ENGINEERS 023-00675
MATERIAL: FAB. STEEL  FINISH: ZINC-PLATED
WEIGHT: 0.5 LBS / 0.226 Kg

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**DRY & REEFER VAN TRAILERS**

---

**MODEL 1402-7532**

Trailmobile style

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.D. 5/8&quot;</td>
<td>Ø16 MM</td>
</tr>
<tr>
<td>7/8&quot;</td>
<td>22.1 MM</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>31.8 MM</td>
</tr>
<tr>
<td>1-5/8&quot;</td>
<td>41.3 MM</td>
</tr>
<tr>
<td>2-3/8&quot;</td>
<td>60 MM</td>
</tr>
<tr>
<td>3&quot;</td>
<td>76.2 MM</td>
</tr>
<tr>
<td>5/16&quot;</td>
<td>8 MM</td>
</tr>
</tbody>
</table>

**SUB FOR:** FLEET ENGINEERS 023-00678  
**MATERIAL:** FAB. STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 0.54 LBS / 0.25 Kg

---

**MODEL 1402-7538**

Dorsey style

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>I.D. 1/2&quot;</td>
<td>Ø13 MM</td>
</tr>
<tr>
<td>7/8&quot;</td>
<td>22.1 MM</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>31.8 MM</td>
</tr>
<tr>
<td>1-3/4&quot;</td>
<td>44.5 MM</td>
</tr>
<tr>
<td>2-9/16&quot;</td>
<td>65 MM</td>
</tr>
<tr>
<td>2-7/8&quot;</td>
<td>73 MM</td>
</tr>
<tr>
<td>5/16&quot;</td>
<td>8 MM</td>
</tr>
</tbody>
</table>

**SUB FOR:** FLEET ENGINEERS 023-00662  
**MATERIAL:** FAB. STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 0.6 LBS / 0.27 Kg

---

**MODEL 1402-0011**

Kentucky style  
Bolt-on

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; / 152.4 MM</td>
<td></td>
</tr>
<tr>
<td>2-5/8&quot; / 66.7 MM</td>
<td></td>
</tr>
<tr>
<td>7/8&quot; / 22.2 MM</td>
<td></td>
</tr>
<tr>
<td>I.D. 3/8&quot; / Ø10 MM x 3 HOLES</td>
<td></td>
</tr>
</tbody>
</table>

**SUB FOR:** KENTUCKY 66500000003, EBERHARD 31-5897-1-13  
**WORKS WITH:** BUFFERS 1402-9007 HINGE  
**MATERIAL:** STEEL  
**FINISH:** HOT-DIP GALVANIZED  
**WEIGHT:** 1.53 LBS / 0.61 Kg

---

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11/18/21
### Hinge Pins with Stopper Edge

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>Sub For</th>
<th>Material</th>
<th>Finish</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1402-1651</td>
<td>3.66&quot;</td>
<td>CHPN-001-1</td>
<td>Carbon Steel</td>
<td>Self-Color</td>
<td>0.2 LBS 0.09 Kg</td>
</tr>
<tr>
<td>1402-2270</td>
<td>4.13&quot;</td>
<td>CHPN-003-1</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.25 LBS 0.11 Kg</td>
</tr>
</tbody>
</table>

### Hinge Pins without Edge

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>Sub For</th>
<th>Material</th>
<th>Finish</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1402-6227</td>
<td>3-11/16&quot;</td>
<td>BCSP-24001/94</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.2 LBS 0.09 Kg</td>
</tr>
<tr>
<td>1402-6872</td>
<td>4-1/32&quot;</td>
<td>SAEJIN PH300001/3</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.21 LBS 0.09 Kg</td>
</tr>
<tr>
<td>1402-6216</td>
<td>4-1/2&quot;</td>
<td>CHPN-001-4</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.23 LBS 0.1 Kg</td>
</tr>
<tr>
<td>1402-6871</td>
<td>5&quot;</td>
<td>JINDO R26233-1270</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.26 LBS 0.12 Kg</td>
</tr>
<tr>
<td>1402-8988</td>
<td>5-7/8&quot;</td>
<td>CIMC GA04-A06-U0</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.29 LBS 0.13 Kg</td>
</tr>
</tbody>
</table>

### Hinge Pins for Reefer Containers

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>Sub For</th>
<th>Material</th>
<th>Finish</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1402-8655</td>
<td>4.64&quot;</td>
<td>5.12&quot;</td>
<td>MAERSK</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.3 LBS 0.13 Kg</td>
</tr>
<tr>
<td>1402-6256</td>
<td>5.12&quot;</td>
<td>5.39&quot;</td>
<td>MAERSK 7810961 / 7810800</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.31 LBS 0.14 Kg</td>
</tr>
<tr>
<td>1402-6258</td>
<td>5.24&quot;</td>
<td>5.67&quot;</td>
<td>MAERSK 7810801</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.32 LBS 0.15 Kg</td>
</tr>
<tr>
<td>1402-7558</td>
<td>6.1&quot;</td>
<td>6.38&quot;</td>
<td>MAERSK</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.36 LBS 0.16 Kg</td>
</tr>
</tbody>
</table>

### Hinge Washer

<table>
<thead>
<tr>
<th>Model</th>
<th>Sub For</th>
<th>Fits</th>
<th>Material</th>
<th>Finish</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1402-4674-SS</td>
<td>JINDO R26452-1601</td>
<td>CSX, JINDO, PACER 48', 53'</td>
<td>Stainless Steel</td>
<td>Self-Color</td>
<td>0.01 LBS 0.005 Kg</td>
</tr>
</tbody>
</table>

### SAE 1/2" Flat Washer

<table>
<thead>
<tr>
<th>Model</th>
<th>Material</th>
<th>Finish</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1402-4535</td>
<td>Carbon Steel</td>
<td>Zinc-Plated</td>
<td>0.02 LBS 0.01 Kg</td>
</tr>
</tbody>
</table>

---

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4/1/22
**MODEL 1402-2916-4-KIT**

**MODEL 1402-2916-6-KIT**

**DOOR HOLDBACK**

- **SUB FOR:** PENZ P-2007
- **MATERIAL:** FAB. STEEL
- **FINISH:** ZINC-PLATED
- **WEIGHT:** 0.4 LBS / 0.18 Kg

**MODEL 1402-2933-5**

**9" HOLDBACK CHAIN**

- **w/ 4" loop & 5 links**

- **SUB FOR:** PENZ P-2011
- **MATERIAL:** CARBON STEEL CHAIN
- **FINISH:** HOT-DIP GALVANIZED
- **WEIGHT:** 0.29 LBS / 0.13 Kg

**MODEL 1402-6856**

**DOOR HOLDBACK CHAIN ASSEMBLY**

- **w/ 3" loop**

- **SUB FOR:** PENZ P-2012
- **MATERIAL:** FAB. STEEL
- **FINISH:** HOT-DIP GALVANIZED
- **WEIGHT:** 0.22 LBS / 0.1 Kg

**MODEL 1402-7218**

**DOOR HOLDBACK CABLE**

- **w/ BRACKET**

- **SPECIAL ORDER ONLY**

- **NOTE:** Must capture bracket (part #7566)

- **BRACKET MATERIAL:** STEEL
- **FINISH:** ZINC-PLATED
- **SWAGE MATERIAL:** ALUMINUM
- **FINISH:** SELF-COLOR
- **CABLE MATERIAL:** GALV. STEEL
- **FINISH:** CLEAR PVC-COATED
- **ASSEMBLY WEIGHT:** 0.21 LBS / 0.09 Kg

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10/18/23
EACH PACKAGED DOOR HOLDBACK SET INCLUDES:

- (A) Holdback Hook w/ 5" arm and 2-hole bracket (1402-7219-A-HDG)
- (B) Footman Loop Anchor (1402-7219-B-HDG)
- (C) Loop (3 lengths available: 2", 4", 6")

MODEL 1402-7219-A-HDG
HOLDBACK HOOK w/ 5" ARM & 2-HOLE BRACKET

MODEL 1402-7219-B-HDG
FOOTMAN LOOP ANCHOR / HANDLE

MODEL 1402-7219-C-2-HDG
MODEL 1402-7219-C-4-HDG
MODEL 1402-7219-C-6-HDG
LOOP (3 lengths available)

MODEL 1402-7219-KIT-2-HDG
MODEL 1402-7219-KIT-4-HDG
MODEL 1402-7219-KIT-6-HDG
KIT ASSEMBLIES (3 diff. loop lengths)

MODEL 1402-7254-KIT
VENT DOOR HOLDBACK KIT consists of:
7254-1 HOLDBACK CUP (Female)
7254-2 PEG (Male)

MODEL 1402-7438
HOLDBACK CHAIN

MATERIAL: STEEL  FINISH: HOT-DIP GALVANIZED
ASSEMBLY WEIGHT (6"): 0.83 LBS / 0.376 Kg

MODEL 1402-7219-KIT-2-HDG
MODEL 1402-7219-KIT-4-HDG
MODEL 1402-7219-KIT-6-HDG
KIT ASSEMBLIES (3 diff. loop lengths)

MODEL 1402-7254-KIT
VENT DOOR HOLDBACK KIT consists of:
7254-1 HOLDBACK CUP (Female)
7254-2 PEG (Male)

MODEL 1402-7438
HOLDBACK CHAIN

MATERIAL: STEEL  FINISH: HOT-DIP GALVANIZED
ASSEMBLY WEIGHT (6"): 0.83 LBS / 0.376 Kg
MODEL 1402-8645
DOOR HOLDBACK ASSEMBLY

MODEL 1402-8645-2
LAP LINK

8645 ASSEMBLY SUB FOR: HYUNDAI 10001435
MATERIAL: FAB. STEEL  LAP LINK FINISH: ZINC-PLATED
BRACKET & CHAIN FINISH: HOT-DIP GALVANIZED
8645 ASSEMBLY WEIGHT: 0.45 LBS / 0.2 Kg
8645-2 LAP LINK WEIGHT: 0.04 LBS / 0.02 Kg
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Material</th>
<th>Color</th>
<th>Weight (lbs)</th>
<th>Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1402-7215</td>
<td><strong>Great Dane style</strong></td>
<td>EPDM Rubber</td>
<td>Gray</td>
<td>0.166</td>
<td>0.075</td>
</tr>
<tr>
<td>1402-7216</td>
<td><strong>Utility Style</strong></td>
<td>EPDM Rubber</td>
<td>Gray</td>
<td>0.14</td>
<td>0.064</td>
</tr>
<tr>
<td>1402-8974</td>
<td><strong>Wabash style</strong></td>
<td>EPDM Rubber / Carbon Steel</td>
<td>Black</td>
<td>0.04</td>
<td>0.02</td>
</tr>
</tbody>
</table>

**SUB FOR:**

- **GREAT DANE** 45064, FLEET ENG. 022-01084
- **UTILITY** 3-1250-25, FLEET ENG. 022-01085
- **WABASH IMXGT-2108**

**NOTE:**

- **I.D.** Inner Diameter
- **O.D.** Outer Diameter
- **Ø** Diameter in millimeters
- **mm** Millimeters

**Buffers USA Inc.**

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11/18/21
Models available to fit 1/2” – 1-1/2” Plymetal Doors

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FITS DOOR THICKNESS</th>
<th>GASKET LENGTH</th>
<th>GASKET WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1404-6657-168</td>
<td>1/2” (12.7 MM)</td>
<td>168” / 14’</td>
<td>3.1 LBS / 1.41 Kg</td>
</tr>
<tr>
<td>1404-6998-168</td>
<td>3/4” (19 MM)</td>
<td>168” / 14’</td>
<td>3.25 LBS / 1.47 Kg</td>
</tr>
<tr>
<td>1404-6999-168</td>
<td>1” (25.4 MM)</td>
<td>168” / 14’</td>
<td>3.4 LBS / 1.54 Kg</td>
</tr>
<tr>
<td>1404-7000-168</td>
<td>1-1/4” (31.75 MM)</td>
<td>168” / 14’</td>
<td>4.9 LBS / 2.22 Kg</td>
</tr>
<tr>
<td>1404-7001-168</td>
<td>1-1/2” (38.1 MM)</td>
<td>168” / 14’</td>
<td>6.15 LBS / 2.79 Kg</td>
</tr>
</tbody>
</table>

MATERIAL: PVC, DUAL DUROMETER  
FINISH: GRAY

Three ridges for extra sealing

DUAL DUROMETER DESIGN w/ IMPROVED SEALING

Soft PVC at ends for extra sealing

MODELS 7005 & 7006

MODELS 7007

MATERIAL: PVC, DUAL DUROMETER  
FINISH: GRAY

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TABLE OF CONTENTS

SLIDER PINS & SUSPENSION
COMPONENTS 1500

PAGE NUMBERS

1501-1 to -5  SLIDER PINS
1501-6 to -7  SLIDER PIN PARTS
1501-8  SUSPENSION PARTS
SLIDER PINS
CHASSIS & TRAILERS: AUTO / DRY VAN / FLATBED

MODEL 1501-2448

FITS: CHASSIS KING
MATERIAL: ALLOY STEEL
FINISH: ANTI-GALL/LIGHTLY OILED
WEIGHT: 11.2 LBS / 5.08 Kg

MODEL 1501-2632
MODEL 1501-2632-KIT

SLIDER PIN
MODEL 1501-2632

SUB FOR: PENZ 35-01
FITS: STRICK
MATERIAL: ALLOY STEEL
FINISH: PRIMER
WEIGHT: 2.6 LBS / 1.18 Kg

COTTER PIN
MODEL 1501-4591-SS

SUB FOR: PENZ 17-17
MATERIAL: STAINLESS STEEL
FINISH: SELF-COLOR
WEIGHT: 0.05 LBS / 0.03 Kg

SPRING
MODEL 1501-4612

SUB FOR: PENZ 50-23
FITS: STRICK
MATERIAL: STD CARBON STEEL
FINISH: PRIMER
WEIGHT: 0.051 LBS / 0.023 Kg

TO ORDER THE COMPLETE ASSEMBLY,
USE MODEL 1501-2632-KIT, WHICH INCLUDES
1501-2632 SLIDER PIN, 1501-4611 CLEVIS PIN,
1501-4612 SPRING & 1501-4591-SS COTTER PIN.

SUB 1501-2632-KIT FOR:
PENZ 35-01-KIT
KIT WEIGHT: 3.17 LBS / 1.44 Kg

MODEL 1501-2632-KIT

FITS: CHASSIS KING
MATERIAL: ALLOY STEEL
FINISH: ANTI-GALL/LIGHTLY OILED
WEIGHT: 11.2 LBS / 5.08 Kg

FITS: CHASSIS KING
MATERIAL: ALLOY STEEL
FINISH: ANTI-GALL/LIGHTLY OILED
WEIGHT: 11.2 LBS / 5.08 Kg

MODEL 1501-2448

FITS: CHASSIS KING
MATERIAL: ALLOY STEEL
FINISH: ANTI-GALL/LIGHTLY OILED
WEIGHT: 11.2 LBS / 5.08 Kg

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SLIDER PINS
CHASSIS & TRAILERS: AUTO / DRY VAN / FLATBED

MODEL 1501-2638

SUB FOR: PENZ 35-04
FITS: GREAT DANE
MATERIAL: ALLOY STEEL
FINISH: PRIMER
WEIGHT: 4.3 LBS / 1.95 Kg

MODEL 1501-2639

SUB FOR: PENZ 35-05
FITS: GREAT DANE
MATERIAL: ALLOY STEEL
FINISH: PRIMER
WEIGHT: 4.48 LBS / 2.03 Kg

MODEL 1501-2681

FITS: CHASSIS KING
MATERIAL: ALLOY STEEL
FINISH: ANTI-GALL / LIGHTLY OILED
WEIGHT: 6.7 LBS / 3.36 Kg

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9/23/19
**FITS:** JINDO 48’ & 53’ SLIDER CHASSIS

**FINISH:** BLACK PRIMER / SELF-COLOR NYLON

**MATERIAL:** FAB. STEEL / NYLON

**WEIGHT:** 8.3 LBS / 3.76 Kg

**SUB FOR:** PENZ 35-12

**MATERIAL:** FORGED STEEL

**FINISH:** BLACK PRIMER

**WEIGHT:** 8.85 LBS / 4 Kg

**SUB FOR:** GREAT DANE 13141-13119

**PIN MATERIAL:** HIGH-STRENGTH STEEL

**V-BRACKET MATERIAL:** FAB. CARBON STEEL

**FINISH:** ANTI-GALL / LIGHTLY OILED

**WEIGHT:** 3.15 LBS / 1.43 Kg

**SHIPPED AS SHOWN w/ LOOSE COTTER PIN.**

---

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**904-696-0010**

**1501-4**

9/24/19
SLIDER PINS
CHASSIS & TRAILERS: AUTO / DRY VAN / FLATBED

MODEL 1501-8076
SLIDER PIN
Manac style

MODEL 1501-8654
SLIDER PIN
w/ 7/16" slot

MATERIAL: STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 4.24 LBS / 1.92 Kg

MATERIAL: STEEL
FINISH: WELDABLE PRIMER
WEIGHT: 8 LBS / 3.63 Kg

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9/24/19
SLIDER PIN PARTS
CHASSIS & TRAILERS: AUTO / DRY VAN / FLATBED

MODEL 1501-6102
PIVOT ARM

SUB FOR: PENZ 35-08
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 3.51 LBS / 1.59 Kg

MODEL 1501-6127-1
HANDLE

SUB FOR: PENZ 35-10
FITS: 1501-6127-2 HANDLE BRACKET
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 1.1 LBS / 0.5 Kg

MODEL 1501-6127-2
HANDLE BRACKET

FITS: 1501-6127-1 HANDLE, PENZ 35-10
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 6.25 LBS / 2.83 Kg

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9/24/19
MATERIAL: STEEL
FINISH: BLACK PRIMER
WEIGHT: 3.1 LBS / 1.41 Kg

MODEL 1501-7
PUSH-PULL HANDLE
for Hutch Suspension

11-7/8" 301.5 MM
28-3/4" 730.1 MM
30" 761.8 MM

4-5/8" 117.5 MM
3-3/8" 85.7 MM

1/31/32" 50 MM
O.D. 5/8" Ø15.9 MM
1/64" 3 MM
7/16" 11 MM
3/8" 9.8 MM
1-1/4" 32 MM
I.D. 1/8" Ø3.5 MM
3/8" 10 MM

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9/24/19
SUB FOR: PENZ 02-52  
MATERIAL: 1/4" STEEL  
FINISH: PRIMER  
WEIGHT: 1.5 LBS / 0.68 Kg

SUB FOR: MAERSK 107094, PENZ 02-53  
MATERIAL: 3/8" STEEL  
FINISH: PRIMER  
WEIGHT: 2 LBS / 0.9 Kg

SUB FOR: MAERSK 105533  
FITS: SEALAND  
MATERIAL: FAB. STEEL  
FINISH: PRIMER  
WEIGHT: 4.79 LBS / 2.17 Kg

SUB FOR: MAERSK 105591, PENZ 02-54  
MATERIAL: FAB. STEEL  
FINISH: PRIMER  
WEIGHT: 2.85 LBS / 1.29 Kg

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“The Intermodal Hardware Specialists”
904-696-0010
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MODEL 1602-7364
AIR TANK BRACKET

MATERIAL: FAB. STEEL  FINISH: BLACK PRIMER  WEIGHT: 1.7 LBS / 0.77 Kg
<table>
<thead>
<tr>
<th>PAGE NUMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1901-1</td>
</tr>
</tbody>
</table>
FINISH: BLACK PAINTED
MATERIAL: HIGH-STRENGTH FORGED STEEL
WEIGHT: 44 LBS / 20 Kg

MAX CAPACITY
VERTICAL LOAD: 8,000 LBS
GROSS TRAILER WT: 40,000 LBS

SPECIAL ORDER ONLY
MODEL 1901-1988

TOW RING DRAWBAR
AUTO & FLATBED TRAILERS

BUFFERS USA INC
“The Intermodal Hardware Specialists”

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<table>
<thead>
<tr>
<th>PAGE NUMBERS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
</table>
| 2001-1       | TIRE CARRIERS (Universal and Nash styles)  
                | BOLT-ON MOUNTING BRACKET KIT (Nash style) |
| 2002-1 to -3 | MUD FLAP BOLTING PLATES & BRACKETS       |
| 2003-1 to -2 | REAR LIGHT BOX                           
                | TRAILER LIGHT BRACKETS/CLAMPS             |
| 2004-1       | LARGE LOAD BANNERS (Oversize Load, Wide Load) |
| 2004-2       | FLUORESCENT FLAGS                        
                | CANADIAN D-BANNERS                       |
| 2004-3       | REFLECTIVE SAFETY GEAR                   |
**MODEL 2001-7468-PA**

**UNIVERSAL-STYLE TIRE CARRIER**

2-piece Bolted Design, Unassembled, Packaged in Carton w/ welded Mounting Brackets

- **MATERIAL:** FAB. STEEL
- **FINISH:** BLACK PRIMER
- **WEIGHT:** 47.3 LBS / 21.5 Kg

---

**MODEL 2001-7570-PKG**

**NASH-STYLE TIRE CARRIER**

2-Piece Bolted Design, Unassembled, Packaged in Buffers Carton; **NOTE:** Does NOT include Mounting Bracket Kit*

- **MATERIAL:** FAB. STEEL
- **FINISH:** BLACK PRIMER
- **WEIGHT:** 39.5 LBS / 17.9 Kg

* **NOTE:** Bolt-on Mounting Bracket Kit (Model 2001-7573-P) is SOLD SEPARATELY (see below)

---

**MODEL 2001-7573-P**

**BOLT-ON MOUNTING BRACKET KIT**

for Model 2001-7570 Nash-style Tire Carrier

- **INCLUDES:**
  - Mounting brackets (3 ea.)
  - Angled Bracket (1 ea.)
  - **FINISH:** BLACK PRIMER
  - AND
  - Hex Bolts, Self-Locking Nuts & Washers (10 ea.)
  - **FINISH:** ZINC-PLATED

- **TOTAL WEIGHT:** 5.75 LBS / 2.61 Kg

---

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“The Intermodal Hardware Specialists”
MUD FLAP BRACKETS
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 2002-7368
BOLTING PLATE

SUB FOR: PENZ 07-53, MAERSK
MATERIAL: FAB. STEEL
FINISH: HOT-DIP GALVANIZED
WEIGHT: 1.3 LBS / 0.59 Kg

MODEL 2002-7369
ANGLED BOLTING PLATE

SUB FOR: PENZ 07-54, AJAX
MATERIAL: FAB. STEEL
FINISH: PRIMER
WEIGHT: 2.42 LBS / 1.09 Kg

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7/16/19
REAR LIGHT BOX
CHASSIS | TRAILERS: AUTO / FLATBED

MODEL 2003-1983-RS
ROADSIDE

MODEL 2003-1983-CS
CURBSIDE

2003-1983-RS (ROADSIDE) SHOWN
2003-1983-CS (CURBSIDE) IS THE MIRROR OPPOSITE

SUB FOR: PENZ 70-42-LH/RH, STRICK
MATERIAL: FAB. STEEL
FINISH: BLACK PRIMER
2003-1983-CS WEIGHT: 35.7 LBS / 16.19 Kg
2003-1983-RS WEIGHT: 32.7 LBS / 14.83 Kg

BUFFERS USA INC
“The Intermodal Hardware Specialists”
**DOUBLE-SIDED BANNER: OVERSIZE LOAD / WIDE LOAD**
Yellow Vinyl w/ Brass Grommets

- **SIDE 1**
- **SIDE 2**

**OVERSIZE LOAD BANNER**
Yellow Polyester Mesh w/ Brass Grommets
18" x 84" / 460 x 2,135 MM

**WIDE LOAD BANNER**
Yellow Polyester Mesh w/ Brass Grommets
18" x 84" / 460 x 2,135 MM

**MODEL 2004-6570**
14" x 72" / 355 x 1,830 MM BANNER
w/ 4 ea. LOOSE NYLON ROPES
1/4" x 44" / 6 x 1,120 MM

**MODEL 2004-6571**
18" x 84" / 460 x 2,135 MM BANNER
w/ 4 ea. LOOSE NYLON ROPES
1/4" x 44" / 6 x 1,120 MM

**MODEL 2004-6571-PR**
18" x 84" / 460 x 2,135 MM BANNER
w/ 2 ea. PIPED NYLON ROPES
1/4" x 55" / 6 x 1,400 MM
AT EACH CORNER

**MODEL 2004-6573-OL**
w/ 4 ea. LOOSE NYLON ROPES
1/4" x 44" / 6 x 1,120 MM

**MODEL 2004-6573-OLB**
w/ 4 ea. LOOSE BUNGEE STRAPS
3/8" x 21" / 9 x 530 MM
SPECIAL ORDER ONLY

**MODEL 2004-6573-WL**
w/ 4 ea. LOOSE NYLON ROPES
1/4" x 44" / 6 x 1,120 MM

**MODEL 2004-6573-WLB**
w/ 4 ea. LOOSE BUNGEE STRAPS
3/8" x 21" / 9 x 530 MM
SPECIAL ORDER ONLY
FLUORESCENT FLAG w/ WOOD HANDLE
18" x 18" / 460 x 460 MM, Polyester Mesh (2 color options)

- **MODEL 2004-6574-H-23**
  - Red Polyester Mesh
  - W/ Wood Handle:
    - 3/4"/19mm O.D. x 23-1/2"/600mm L
    - (5-1/2"/140mm extends below flag)

- **MODEL 2004-6575-H-23**
  - Orange Polyester Mesh
  - W/ Wood Handle:
    - 3/4"/19mm O.D. x 23-1/2"/600mm L
    - (5-1/2"/140mm extends below flag)

- **MODEL 2004-6575-H-36**
  - Orange Polyester Mesh
  - W/ Wood Handle:
    - 3/4"/19mm O.D. x 36"/915mm L
    - (17-15/16"/455mm extends below flag)

FLUORESCENT FLAG w/ 2 BRASS GROMMETS
18" x 18" / 460 x 460 MM, Red Polyester Mesh

- **MODEL 2004-6574**
  - Red Polyester Mesh
  - W/ 2 Brass Grommets

CANADIAN D-BANNER
Red/White Reflective Vinyl
w/ Yellow Back & 10 Brass Grommets
12" x 96" / 305 x 2,440 MM

- **MODEL 2004-6572**
- **MODEL 2004-6572-DOT**
  - DOT REFLECTIVE VINYL
- **MODEL 2004-6572-R**
  - W/ 4 ea. LOOSE NYLON ROPES
    - 1/4" x 44" / 6 x 1,120 MM
  - SPECIAL ORDER ONLY
- **MODEL 2004-6572-B**
  - W/ 4 ea. LOOSE BUNGEE STRAPS
    - 3/8" x 21" / 9 x 530 MM
  - SPECIAL ORDER ONLY

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REFLECTIVE SAFETY GEAR
SASH BELT & TRAFFIC VEST

MODEL 2004-8878
SASH BELT
Dayglo Polyester w/ Reflective Material
0.5 LBS / 0.23 Kg

MODEL 2004-8879-L/XL
MODEL 2004-8879-XL/XXL
TRAFFIC VEST
Dayglo Polyester Mesh w/ Reflective Material
0.1 LBS / 0.045 Kg

BUFFERS USA INC
“The Intermodal Hardware Specialists”
### PAGE NUMBERS

<table>
<thead>
<tr>
<th>Page</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2301-1</td>
<td>TORX FLATHEAD FLOOR SCREWS, ELEVATOR/CARRIAGE BOLT</td>
</tr>
<tr>
<td>2301-2</td>
<td>CROSSMEMBER BOLT KIT (8 pcs.)</td>
</tr>
</tbody>
</table>
### TORX FLATHEAD SCREWS

**Self-Tapping**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>WEIGHT (CTN)</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2301-2351</td>
<td>5/16&quot;–18</td>
<td>1-3/4&quot;</td>
<td>T40</td>
<td>1,200 CTN – 48.2 LBS/CTN</td>
<td>BLACK PHOSPHATE</td>
</tr>
<tr>
<td>2301-2352</td>
<td>5/16&quot;–18</td>
<td>2&quot;</td>
<td>T40</td>
<td>1,000 CTN – 45.9 LBS/CTN</td>
<td>BLACK PHOSPHATE</td>
</tr>
<tr>
<td>2301-2353</td>
<td>5/16&quot;–18</td>
<td>2-1/2&quot;</td>
<td>T40</td>
<td>900 CTN – 46.8 LBS/CTN</td>
<td>BLACK PHOSPHATE</td>
</tr>
<tr>
<td>2301-2354</td>
<td>1/4&quot;–20</td>
<td>2&quot;</td>
<td>T30</td>
<td>1,600 CTN – 46.1 LBS/CTN</td>
<td>BLACK PHOSPHATE</td>
</tr>
<tr>
<td>2301-2355</td>
<td>1/4&quot;–20</td>
<td>2-1/4&quot;</td>
<td>T30</td>
<td>1,500 CTN – 38.9 LBS/CTN</td>
<td>BLACK PHOSPHATE</td>
</tr>
<tr>
<td>2301-2733</td>
<td>1/4&quot;–20</td>
<td>2-1/2&quot;</td>
<td>T30</td>
<td>1,200 CTN – 34.1 LBS/CTN</td>
<td>BLACK PHOSPHATE</td>
</tr>
<tr>
<td>2301-2733-1000</td>
<td>1/4&quot;–20</td>
<td>2-1/2&quot;</td>
<td>T30</td>
<td>1,000 CTN – 28.4 LBS/CTN</td>
<td>BLACK PHOSPHATE</td>
</tr>
</tbody>
</table>

**MODEL 2301-4728**

**ELEVATOR/CARRIAGE BOLT**

w/ Flat Head, 3/8"–16 TPI

<table>
<thead>
<tr>
<th>O.D. 1-5/16&quot;</th>
<th>Ø33.34 MM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>6 MM</td>
</tr>
</tbody>
</table>

| Ø3/8" THREADS (16 TPI) | 2" 50.8 MM |

**MATERIAL:** CARBON STEEL  
**FINISH:** ZINC-PLATED  
**WEIGHT:** 0.09 LBS / 0.04 Kg
CARRIAGE BOLT, RIBBED NECK
3/8"–16 TPI x 1-1/4" LENGTH
ZINC-PLATED

3/8" NYLON FLAT WASHER

SERRATED FLANGE LOCK NUT
3/8"–16 TPI
ZINC-PLATED

EACH KIT CONSISTS OF:
8 ea. Carriage Bolts
8 ea. Flat Nylon Washers
8 ea. Lock Nuts w/ Serrated Flange

WEIGHT: 0.73 LBS / 0.33 Kg

MODEL 2301-4658-KIT-P
CROSSMEMBER BOLT KIT

2301-2

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4/20/21
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CARGO CONTROL 2900

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2901-1   SHORT LINK CHAIN ASSEMBLIES
2901-2   CLEVIS GRAB HOOKS
2901-3   CHAIN TIE-DOWNS (Load Binders)

2902-1 to -2   D-RINGS w/ STRAPS (Standard, Bent & Marine type)
2902-3   CHAIN TIE-DOWN ANCHORS

2903-1 to -2   WEB WINCHES
2903-2   WINCH RAILS
2903-3   WINCH BARS

2904-1   WINCH STRAPS (3" & 4")
2904-2 to -3   CORNER & WEBBING PROTECTORS
2904-4   TARP STRAPS w/ S-HOOKS

2905-1 to -4   RATCHET STRAP ASSEMBLIES (2" – 5")
2905-6   CAM BUCKLE STRAPS

2906-1   LOGISTIC TRACK COMPONENTS: LASHING PLATE

2907-1 to -3   LOGISTIC STRAPS:
   » Cam Buckle
   » Ratchet Type
   » Rope Tie-Off

2908-1   CARGO BARS
2908-2   COIL RACKS
2908-3   BRACING LUMBER BRACKETS
2908-5 to -6   DECKING/SHORING BEAMS
2908-7 to -8   SHORING BARS (Push-Button Adjust, Clevis Pin Adjust)

2909-4   EYELET CLIP (for Reefer T-Floor)

2910-1 to -2   DUNNAGE BAGS (Polypropylene & Paper)
2910-3 to -4   DUNNAGE BAGS (Kraft Paper)
ALL CHAIN PER NACM96 SPECIFICATIONS (NOT FOR LIFTING)
OTHER SIZES AVAILABLE AS SPECIAL ORDER.

MBS IS:
3 x WLL FOR GRADE 43
4 x WLL FOR GRADE 70 & 80

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CHAIN DIA</th>
<th>GRADE</th>
<th>FINISH</th>
<th>WORKING LOAD LIMIT</th>
<th>WEIGHT PER FT</th>
<th>FT PER DRUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2901-5/16GR70NACM96</td>
<td>5/16&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>4,700 LBS</td>
<td>1.15 LBS / 0.52 Kg</td>
<td>450'</td>
</tr>
<tr>
<td>2901-3/8GR43NACM96</td>
<td>3/8&quot;</td>
<td>GRADE 43 HIGH TEST</td>
<td>SELF-COLOR</td>
<td>5,400 LBS</td>
<td>1.40 LBS / 0.64 Kg</td>
<td>400'</td>
</tr>
<tr>
<td>2901-3/8GR70NACM96</td>
<td>3/8&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>6,600 LBS</td>
<td>1.43 LBS / 0.65 Kg</td>
<td>400'</td>
</tr>
<tr>
<td>2901-1/2GR70NACM96</td>
<td>1/2&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>11,300 LBS</td>
<td>2.64 LBS / 1.20 Kg</td>
<td>200'</td>
</tr>
<tr>
<td>2901-1/2GR80ASTM-A391</td>
<td>1/2&quot;</td>
<td>GRADE 80, ALLOY, HS</td>
<td>BLACK</td>
<td>12,000 LBS</td>
<td>2.50 LBS / 1.13 Kg</td>
<td>200'</td>
</tr>
<tr>
<td>2901-5/8GR43NACM96</td>
<td>5/8&quot;</td>
<td>GRADE 43 HIGH TEST</td>
<td>SELF-COLOR</td>
<td>13,000 LBS</td>
<td>3.57 LBS / 1.62 Kg</td>
<td>150'</td>
</tr>
<tr>
<td>2901-5/8GR80</td>
<td>5/8&quot;</td>
<td>GRADE 80, ALLOY</td>
<td>COLD ZINC</td>
<td>18,100 LBS</td>
<td>3.75 LBS / 1.70 Kg</td>
<td>150'</td>
</tr>
</tbody>
</table>

CHAIN ASSEMBLIES
CHAIN ASSEMBLY LENGTHS MEASURED FROM INSIDE THE HOOKS AS SHOWN

MBS IS:
3 x WLL FOR GRADE 43
4 x WLL FOR GRADE 70

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CHAIN DIA</th>
<th>GRADE</th>
<th>FINISH</th>
<th>LENGTH</th>
<th>WORKING LOAD LIMIT</th>
<th>WEIGHT PER PC</th>
<th>PCS PER DRUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2901-5/16X20HHGR70</td>
<td>5/16&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>20'</td>
<td>4,700 LBS</td>
<td>20.5 LBS / 9.3 Kg</td>
<td>25 PCS</td>
</tr>
<tr>
<td>2901-5/16X25HHGR70</td>
<td>5/16&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>25'</td>
<td>4,700 LBS</td>
<td>26.7 LBS / 13.0 Kg</td>
<td>25 PCS</td>
</tr>
<tr>
<td>2901-3/8X20HHGR43</td>
<td>3/8&quot;</td>
<td>GRADE 43 HIGH TEST</td>
<td>SELF-COLOR</td>
<td>20'</td>
<td>5,400 LBS</td>
<td>33.0 LBS / 14.9 Kg</td>
<td>25 PCS</td>
</tr>
<tr>
<td>2901-3/8X20HHGR70</td>
<td>3/8&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>20'</td>
<td>6,600 LBS</td>
<td>31.3 LBS / 14.2 Kg</td>
<td>25 PCS</td>
</tr>
<tr>
<td>2901-1/2X20HHGR70</td>
<td>1/2&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>20'</td>
<td>11,300 LBS</td>
<td>57.0 LBS / 25.9 Kg</td>
<td>10 PCS</td>
</tr>
<tr>
<td>2901-1/2X50HHGR70</td>
<td>1/2&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>50'</td>
<td>11,300 LBS</td>
<td>122.3 LBS / 55.5 Kg</td>
<td>4 PCS</td>
</tr>
</tbody>
</table>
MBS is:
3 x WLL for GRADE 43
4 x WLL for GRADE 70 & 80

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FOR CHAIN DIAMETER</th>
<th>GRADE</th>
<th>FINISH</th>
<th>WORKING LOAD LIMIT (WLL)</th>
<th>WEIGHT (per item)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2901-5/16GHGR70</td>
<td>5/16&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>4,700 LBS</td>
<td>0.75 LBS / 0.34 Kg</td>
</tr>
<tr>
<td>2901-3/8GHGR43</td>
<td>3/8&quot;</td>
<td>GRADE 43 HIGH-TEST</td>
<td>SELF-COLOR</td>
<td>5,400 LBS</td>
<td>1.15 LBS / 0.52 Kg</td>
</tr>
<tr>
<td>2901-3/8GHGR70</td>
<td>3/8&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>6,600 LBS</td>
<td>1.1 LBS / 0.5 Kg</td>
</tr>
<tr>
<td>2901-3/8GHGR80-CC</td>
<td>3/8&quot;</td>
<td>GRADE 80 CRADLE</td>
<td>PAINTED</td>
<td>7,100 LBS</td>
<td>1.65 LBS / 0.75 Kg</td>
</tr>
<tr>
<td>2901-1/2GHGR70</td>
<td>1/2&quot;</td>
<td>GRADE 70 TRANSPORT</td>
<td>YELLOW ZINC</td>
<td>11,300 LBS</td>
<td>2.4 LBS / 1.09 Kg</td>
</tr>
<tr>
<td>2901-1/2GHGR80-CC</td>
<td>1/2&quot;</td>
<td>GRADE 80 CRADLE</td>
<td>PAINTED</td>
<td>12,000 LBS</td>
<td>3.3 LBS / 1.5 Kg</td>
</tr>
<tr>
<td>2901-5/8GHGR43</td>
<td>5/8&quot;</td>
<td>GRADE 43 HIGH-TEST</td>
<td>SELF-COLOR</td>
<td>13,000 LBS</td>
<td>4.2 LBS / 1.9 Kg</td>
</tr>
<tr>
<td>2901-5/8GHGR80</td>
<td>5/8&quot;</td>
<td>GRADE 80</td>
<td>ZINC-PLATED</td>
<td>18,100 LBS</td>
<td>5.7 LBS / 2.58 Kg</td>
</tr>
</tbody>
</table>
### LEVER LOAD BINDERS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CHAIN SIZE</th>
<th>FEATURES</th>
<th>WORKING LOAD LIMIT (WLL)</th>
<th>MINIMUM BREAK STRENGTH (MBS)</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2901-1420</td>
<td>5/16” GR70 – 3/8” GR43</td>
<td>FULLY FORGED</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,800 LBS / 7,527 Kg</td>
<td>7.85 LBS / 3.56 Kg</td>
</tr>
<tr>
<td>2901-1424</td>
<td>3/8” GR70 – 1/2” GR43</td>
<td>FULLY FORGED</td>
<td>9,200 LBS / 4,173 Kg</td>
<td>27,600 LBS / 12,519 Kg</td>
<td>12.85 LBS / 5.83 Kg</td>
</tr>
</tbody>
</table>

### RATCHET LOAD BINDERS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CHAIN SIZE</th>
<th>WORKING LOAD LIMIT (WLL)</th>
<th>MINIMUM BREAK STRENGTH (MBS)</th>
<th>WEIGHT</th>
<th>HANDLE</th>
<th>BARREL</th>
<th>TAKE-UP</th>
</tr>
</thead>
<tbody>
<tr>
<td>2901-1429</td>
<td>5/16” GR70 – 3/8” GR43</td>
<td>5,400 LBS / 2,450 Kg</td>
<td>18,800 LBS / 8,527 Kg</td>
<td>10.4 LBS / 4.7 Kg</td>
<td>14”</td>
<td>10”</td>
<td>8”</td>
</tr>
<tr>
<td>2901-1430</td>
<td>3/8” GR70 – 1/2” GR43</td>
<td>9,200 LBS / 4,173 Kg</td>
<td>27,600 LBS / 12,519 Kg</td>
<td>11.78 LBS / 5.34 Kg</td>
<td>14”</td>
<td>10”</td>
<td>8”</td>
</tr>
<tr>
<td>2901-1431</td>
<td>1/2” GR70 – 5/8” GR43</td>
<td>13,000 LBS / 5,897 Kg</td>
<td>45,200 LBS / 20,502 Kg</td>
<td>15.35 LBS / 6.96 Kg</td>
<td>14”</td>
<td>10”</td>
<td>8”</td>
</tr>
</tbody>
</table>
**STANDARD-TYPE D-RINGS**

**NOTE:** D-Ring strength for tie-down purposes only. **NOT FOR LIFTING.**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESC.</th>
<th>FINISH</th>
<th>WEIGHT</th>
<th>SWL</th>
<th>MBS</th>
<th>D-RING DIMENSIONS</th>
<th>STRAP DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2902-6367-1-SC</td>
<td>D-RING</td>
<td>SC</td>
<td>0.62 LBS</td>
<td>3,333 LBS</td>
<td>10,000 LBS</td>
<td>2-7/16&quot; 62.4 MM</td>
<td>3/8&quot; 10 MM</td>
</tr>
<tr>
<td>2902-6367-2-SC</td>
<td>STRAP</td>
<td>SC</td>
<td>0.2 LBS</td>
<td>1,512 Kg</td>
<td>4,536 Kg</td>
<td>2-7/16&quot; 62.6 MM</td>
<td>3/8&quot; 10 MM</td>
</tr>
<tr>
<td>2902-7576-1-SC</td>
<td>D-RING</td>
<td>SC</td>
<td>1.3 LBS</td>
<td>6,333 LBS</td>
<td>19,000 LBS</td>
<td>4-1/4&quot; 108.2 MM</td>
<td>5/8&quot; 16 MM</td>
</tr>
<tr>
<td>2902-7576-2-SC</td>
<td>STRAP</td>
<td>SC</td>
<td>0.75 LBS</td>
<td>2,873 Kg</td>
<td>8,618 Kg</td>
<td>4-1/4&quot; 108.2 MM</td>
<td>5/8&quot; 16 MM</td>
</tr>
<tr>
<td>2902-6490-1-PR</td>
<td>D-RING</td>
<td>PR</td>
<td>1.64 LBS</td>
<td>9,000 LBS</td>
<td>27,000 LBS</td>
<td>4-1/2&quot; 114.2 MM</td>
<td>3/4&quot; 19 MM</td>
</tr>
<tr>
<td>2902-6490-2-PR</td>
<td>STRAP</td>
<td>PR</td>
<td>0.94 LBS</td>
<td>4,082 Kg</td>
<td>12,247 Kg</td>
<td>4-1/2&quot; 114.2 MM</td>
<td>3/4&quot; 19 MM</td>
</tr>
<tr>
<td>2902-7399-1-HDG</td>
<td>D-RING</td>
<td>HDG</td>
<td>1.97 LBS</td>
<td>14,000 LBS</td>
<td>42,000 LBS</td>
<td>5&quot; 127 MM</td>
<td>3-1/8&quot; 80 MM</td>
</tr>
<tr>
<td>2902-7399-1-SC</td>
<td>D-RING</td>
<td>SC</td>
<td>1.97 LBS</td>
<td>6,350 Kg</td>
<td>19,050 Kg</td>
<td>5&quot; 127 MM</td>
<td>3-1/8&quot; 80 MM</td>
</tr>
<tr>
<td>2902-7399-2-SC</td>
<td>STRAP</td>
<td>SC</td>
<td>0.89 LBS</td>
<td>1,291 Kg</td>
<td>3,876 Kg</td>
<td>5&quot; 127 MM</td>
<td>3-1/8&quot; 80 MM</td>
</tr>
<tr>
<td>2902-7593-1-SC</td>
<td>D-RING</td>
<td>SC</td>
<td>3.06 LBS</td>
<td>15,667 LBS</td>
<td>47,000 LBS</td>
<td>5&quot; 127 MM</td>
<td>6&quot; 152.4 MM</td>
</tr>
<tr>
<td>2902-1578-2-SC</td>
<td>STRAP</td>
<td>SC</td>
<td>1.2 LBS</td>
<td>7,106 Kg</td>
<td>21,319 Kg</td>
<td>5&quot; 127 MM</td>
<td>6&quot; 152.4 MM</td>
</tr>
<tr>
<td>2902-1578-1-HDG</td>
<td>D-RING</td>
<td>HDG</td>
<td>3.25 LBS</td>
<td>15,667 LBS</td>
<td>47,000 LBS</td>
<td>5&quot; 127 MM</td>
<td>7&quot; 160.4 MM</td>
</tr>
<tr>
<td>2902-1578-1-SC</td>
<td>D-RING</td>
<td>SC</td>
<td>3.7 LBS</td>
<td>7,106 Kg</td>
<td>21,319 Kg</td>
<td>5&quot; 127 MM</td>
<td>7&quot; 160.4 MM</td>
</tr>
<tr>
<td>2902-1578-2-HDG</td>
<td>STRAP</td>
<td>HDG</td>
<td>1.2 LBS</td>
<td>7,106 Kg</td>
<td>21,319 Kg</td>
<td>5&quot; 127 MM</td>
<td>7&quot; 160.4 MM</td>
</tr>
<tr>
<td>2902-1578-2-SC</td>
<td>STRAP</td>
<td>SC</td>
<td>1.2 LBS</td>
<td>7,106 Kg</td>
<td>21,319 Kg</td>
<td>5&quot; 127 MM</td>
<td>7&quot; 160.4 MM</td>
</tr>
</tbody>
</table>

**FINISH:**
- SC – SELF-COLOR
- HDG – HOT-DIP GALVANIZED
- PR – PRIMER
- ZP – ZINC-PLATED

**SPECIAL ORDER ONLY**

D-RINGS w/ STRAPS
ISO FLATRACK, FLATBED & AUTO TRAILERS

**STANDARD-TYPE D-RINGS**

**NOTE:** D-Ring strength for tie-down purposes only. **NOT FOR LIFTING.**

* *D-Ring shown w/ 2902-7669 Bolt-On Strap*

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESC.</th>
<th>FINISH</th>
<th>WEIGHT</th>
<th>SWL</th>
<th>MBS</th>
<th>D-RING DIMENSIONS</th>
<th>STRAP DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2902-7668-1-ZP</td>
<td>D-RING</td>
<td>ZP</td>
<td>0.64 LBS</td>
<td>3,333 LBS</td>
<td>10,000 LBS</td>
<td>3-1/4&quot; 82.5 MM</td>
<td>3-1/2&quot; 86.9 MM</td>
</tr>
<tr>
<td>2902-7668-2-SC</td>
<td>STRAP</td>
<td>SC</td>
<td>0.25 LBS</td>
<td>1,512 Kg</td>
<td>4,536 Kg</td>
<td>3-1/2&quot; 86.9 MM</td>
<td>3-1/2&quot; 86.9 MM</td>
</tr>
<tr>
<td>2902-7669</td>
<td>STRAP</td>
<td>ZP</td>
<td>0.4 LBS</td>
<td>1,512 Kg</td>
<td>4,536 Kg</td>
<td>3-1/2&quot; 86.9 MM</td>
<td>3-1/2&quot; 86.9 MM</td>
</tr>
<tr>
<td>2902-8477-1-SC</td>
<td>D-RING</td>
<td>SC</td>
<td>0.55 LBS</td>
<td>4,100 LBS</td>
<td>12,300 LBS</td>
<td>1-3/8&quot; 34 MM</td>
<td>1-1/16&quot; 43 MM</td>
</tr>
<tr>
<td>2902-8477-1-ZP</td>
<td>D-RING</td>
<td>ZP</td>
<td>0.55 LBS</td>
<td>1,859 Kg</td>
<td>5,579 Kg</td>
<td>1-1/16&quot; 43 MM</td>
<td>1-1/16&quot; 43 MM</td>
</tr>
<tr>
<td>2902-8477-2-SC</td>
<td>STRAP</td>
<td>SC</td>
<td>0.35 LBS</td>
<td>0.61 Kg</td>
<td>1.71 Kg</td>
<td>3/4&quot; 22.2 MM</td>
<td>7/8&quot; 22.2 MM</td>
</tr>
</tbody>
</table>

**FINISH:**
- SC – SELF-COLOR
- ZP – ZINC-PLATED

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“The Intermodal Hardware Specialists”

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<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESC.</th>
<th>FINISH</th>
<th>WEIGHT</th>
<th>SWL</th>
<th>MBS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>2902-7614-1-HDG</td>
<td>D-RING</td>
<td>HDG</td>
<td>3.54 LBS</td>
<td>1.61 Kg</td>
<td>15,000 LBS</td>
<td>5'</td>
<td>127 MM</td>
<td>127 MM</td>
<td>1'</td>
<td>29/32'</td>
<td>11/16'</td>
<td></td>
</tr>
<tr>
<td>2902-1578-2-HDG</td>
<td>STRAP</td>
<td>HDG</td>
<td>1.20 LBS</td>
<td>0.54 Kg</td>
<td>6,803 Kg</td>
<td>6,603 Kg</td>
<td>140 MM</td>
<td>74 MM</td>
<td>20,411 Kg</td>
<td>50.25 MM</td>
<td>2-1/2'</td>
<td></td>
</tr>
<tr>
<td>2902-1756-1-HDG</td>
<td>D-RING</td>
<td>HDG</td>
<td>3.64 LBS</td>
<td>1.65 Kg</td>
<td>15,667 LBS</td>
<td>5'</td>
<td>127 MM</td>
<td>127 MM</td>
<td>1'</td>
<td>29/32'</td>
<td>11/16'</td>
<td></td>
</tr>
<tr>
<td>2902-1756-1-SC</td>
<td>D-RING</td>
<td>SC</td>
<td>3.69 LBS</td>
<td>1.67 Kg</td>
<td>21,318 LBS</td>
<td>6,000 LBS</td>
<td>140 MM</td>
<td>74 MM</td>
<td>20,411 Kg</td>
<td>50.25 MM</td>
<td>2-1/2'</td>
<td></td>
</tr>
<tr>
<td>2902-1578-2-HDG</td>
<td>STRAP</td>
<td>HDG</td>
<td>1.20 LBS</td>
<td>0.54 Kg</td>
<td>7,106 Kg</td>
<td>2,000 LBS</td>
<td>140 MM</td>
<td>74 MM</td>
<td>21,318 LBS</td>
<td>50.25 MM</td>
<td>2-1/2'</td>
<td></td>
</tr>
<tr>
<td>2902-1578-2-SC</td>
<td>STRAP</td>
<td>SC</td>
<td>1.20 LBS</td>
<td>0.54 Kg</td>
<td>7,106 Kg</td>
<td>2,000 LBS</td>
<td>140 MM</td>
<td>74 MM</td>
<td>21,318 LBS</td>
<td>50.25 MM</td>
<td>2-1/2'</td>
<td></td>
</tr>
</tbody>
</table>

**BENT-TYPE D-RINGS**

**FINISH:**
- SC – SELF-COLOR
- HDG – HOT-DIP GALVANIZED
- PR – PRIMER

**D-RING DIMENSIONS**

**STRAP DIMENSIONS**

**MARINE-TYPE D-RINGS**

**FINISH:**
- SC – SELF-COLOR
- HDG – HOT-DIP GALVANIZED
- PR – PRIMER

**D-RING DIMENSIONS**

**STRAP DIMENSIONS**
D-RINGS, CARGO CONTROL
FLOOR CHAIN TIE-DOWNS
ISO FLATRACK, FLATBED & AUTO TRAILERS

**D-RING MODEL 3701-1177**
- **Material:** Forged Steel
- **Finish:** Self-Color
- **Weight:** 0.77 LBS / 0.35 Kg

**2902-1160-2 SC or HDG STRAP**
- **Material:** Forged Steel
- **Finish:** Self-Color or HDG
- **Weight:** 0.54 LBS / 0.24 Kg

**MODEL 3701-7577-KIT**
- **Chain Tie-Down Anchor**
- **Functional at Min. 45° to Either Side of Vertical Center.**
- **Functional at Min. 90° from Vertical Center Toward Cargo Area.**
- **SWL:** 5,000 LBS / 2,268 Kg
- **MBS:** 15,000 LBS / 6,804 Kg
- **Weight:** 2.04 LBS / 0.93 Kg

**MODEL 2902-2778**
- **Chain Tie-Down Anchor**
- **Stainless Steel Cover Plate, Alloy Steel Clevis Pins (2 PCS), Stainless Steel Cotter Pins (2 PCS), 3/8" (10 MM) Alloy Steel GR 70 Chain**
- **Finish:** HDG
- **Weight:** 5.87 LBS / 2.66 Kg

**WORKING LOAD LIMIT (WLL):** 5,400 LBS / 2,449 Kg

---

**3701-1177 D-RING**
- **Material:** Forged Steel
- **Finish:** Self-Color
- **Weight:** 0.77 LBS / 0.35 Kg

**2902-1160-2-SC or -HDG STRAP**
- **Material:** Forged Steel
- **Finish:** Self-Color or HDG
- **Weight:** 0.54 LBS / 0.24 Kg

---

**MATERIAL:** Forged Steel
**FINISH:** Self-Color
**WEIGHT:** 0.77 LBS / 0.35 Kg

**WEIGHT:** 0.54 LBS / 0.24 Kg

---

**SWL:** 5,000 LBS / 2,268 Kg
**MBS:** 15,000 LBS / 6,804 Kg

---

**WEIGHT:** 2.04 LBS / 0.93 Kg

---

**Finishes:** HDG

---

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<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2903-2691</td>
<td>WELD-ON Standard</td>
<td>8&quot; 202.5 MM</td>
<td>8.9 LBS / 4 Kg</td>
</tr>
<tr>
<td>2903-2692</td>
<td>WELD-ON Storage</td>
<td>6-3/16&quot; 157 MM</td>
<td>8.9 LBS / 4 Kg</td>
</tr>
<tr>
<td>2903-2693</td>
<td>WELD-ON Side Mount</td>
<td>8&quot; 202.5 MM</td>
<td>7.5 LBS / 3.4 Kg</td>
</tr>
<tr>
<td>2903-2694</td>
<td>BOLT-ON Standard</td>
<td>5-1/2&quot; 140 MM</td>
<td>9 LBS / 4.1 Kg</td>
</tr>
<tr>
<td>2903-2695</td>
<td>BOLT-ON Storage</td>
<td>3-9/16&quot; 90 MM</td>
<td>9.95 LBS / 4.51 Kg</td>
</tr>
<tr>
<td>2903-2696</td>
<td>BOLT-ON Side Mount</td>
<td>3-15/16&quot; 100 MM</td>
<td>9.3 LBS / 4.2 Kg</td>
</tr>
<tr>
<td>2903-2697</td>
<td>SLIDER Standard</td>
<td>5-1/2&quot; 140 MM</td>
<td>11 LBS / 5 Kg</td>
</tr>
<tr>
<td>2903-2698</td>
<td>SLIDER Storage</td>
<td>3-15/16&quot; 100 MM</td>
<td>10.6 LBS / 4.8 Kg</td>
</tr>
<tr>
<td>2903-2699</td>
<td>SLIDER Deep Storage</td>
<td>3-15/16&quot; 100 MM</td>
<td>10.6 LBS / 4.8 Kg</td>
</tr>
</tbody>
</table>

**NOTE:** FOR LOAD SECURING ONLY. NOT FOR LIFTING.
ALL WINCH AND STRAP ASSEMBLIES SHOULD BE INSPECTED FOR FRAYS, CUTS, OR DAMAGED HARDWARE BEFORE AND AFTER USING.

**WORKING LOAD LIMIT (WLL):** 5,000 LBS / 2,267 Kg
**BREAK STRENGTH (BS):** 15,000 LBS / 6,800 Kg

DESIGNED TO MEET OR EXCEED WSTDA T-3 STANDARD.
<table>
<thead>
<tr>
<th>Model 2903-2798</th>
<th>Model 2903-2471</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WEB WINCH, LEG BRACKET</strong>&lt;br&gt;for 4&quot; webbing, Side Mount, Weld-on</td>
<td><strong>RAIL FOR SLIDING WINCHES</strong>&lt;br&gt;for 4&quot; webbing, Weld-on</td>
</tr>
<tr>
<td><img src="image1" alt="Diagram" /></td>
<td><img src="image2" alt="Diagram" /></td>
</tr>
<tr>
<td><strong>FITS:</strong> ISO FLATTRACKS</td>
<td><strong>LENGTH:</strong> 19-1/2&quot; / 495.3 MM</td>
</tr>
<tr>
<td><strong>SUB FOR:</strong> ANCRA 41691-12, KINEDYNE 12004</td>
<td><strong>WEIGHT:</strong> 11.4 LBS / 5.2 Kg</td>
</tr>
<tr>
<td><strong>WEIGHT:</strong> 8.7 LBS / 3.95 Kg</td>
<td><strong>MATERIAL:</strong> FAB. STEEL</td>
</tr>
<tr>
<td><strong>FINISH:</strong> SELF-COLOR</td>
<td><strong>FINISH:</strong> SELF-COLOR</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model 2903-8665</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WEB WINCH, SLIDER</strong>&lt;br&gt;w/ Double-L Track Cutout&lt;br&gt;for 4&quot; webbing, Weld-on</td>
</tr>
<tr>
<td><img src="image3" alt="Diagram" /></td>
</tr>
<tr>
<td><strong>FITS:</strong> MANAC</td>
</tr>
<tr>
<td><strong>SUB FOR:</strong> KINEDYNE 1020</td>
</tr>
<tr>
<td><strong>WEIGHT:</strong> 8.1 LBS / 3.67 Kg</td>
</tr>
</tbody>
</table>

---

**NOTE:** FOR LOAD SECURING ONLY. NOT FOR LIFTING.<br>ALL WINCH AND STRAP ASSEMBLIES SHOULD BE INSPECTED FOR FRAYS, CUTS, OR DAMAGED HARDWARE BEFORE AND AFTER USING.

**WORKING LOAD LIMIT (WLL):** 5,000 LBS / 2,267 Kg<br>**BREAK STRENGTH (BS):** 15,000 LBS / 6,800 Kg

DESIGNED TO MEET OR EXCEED WSTDA T-3 STANDARD.
WINCH BARS
ISO FLATRACK, FLATBED & AUTO TRAILERS

SUB FOR: ANCRA 42313-19 CH, 42313-20 BL; KINEDYNE 37033 CH

MATERIAL: STEEL
FINISH: BLACK (B) or CHROME (C)
WEIGHT: 7.45 LBS / 3.38 Kg

AVAILABLE BLACK-PAINTED or CHROME-PLATED

HIGH-STRENGTH TIP

KNURLED HANDLE GRIPS

MODEL 2903-6345-B
MODEL 2903-6345-C
COMBINATION

O.D. Ø13/16”
O.D. Ø1 5/16”
O.D. Ø1 5/8”
34”

SUB FOR: ANCRA 42313-19 CH, 42313-20 BL; KINEDYNE 37033 CH
MATERIAL: STEEL
FINISH: BLACK (B) or CHROME (C)
WEIGHT: 7.45 LBS / 3.38 Kg
**4" WINCH STRAPS**  
ISO FLATRACK, FLATBED & AUTO TRAILERS

**FLAT HOOK**

**SUB FOR:** ANCRA 43795-10-27P, KINEDYNE 422721, MULTIPRENS 2042-27

**SUB FOR:** ANCRA 43795-10-30P, KINEDYNE 423021, MULTIPRENS 2042-30

**MODEL 2904-2805**  
**WORKING LOAD LIMIT (WLL):** 5,000 LBS / 2,267 Kg  
**BREAK STRENGTH (BS):** 15,000 LBS / 6,804 Kg

**DELTA RING**

**MODEL 2904-2807**  
**WORKING LOAD LIMIT (WLL):** 5,400 LBS / 2,450 Kg  
**BREAK STRENGTH (BS):** 16,200 LBS / 7,350 Kg

**MODEL 2904-2808**  
**WORKING LOAD LIMIT (WLL):** 5,400 LBS / 2,450 Kg  
**BREAK STRENGTH (BS):** 16,200 LBS / 7,350 Kg

**GRAB HOOK**

**MODEL 2904-2809**  
**WORKING LOAD LIMIT (WLL):** 5,400 LBS / 2,450 Kg  
**BREAK STRENGTH (BS):** 16,200 LBS / 7,350 Kg

**CHAIN ANCHOR**

**MODEL 2904-2811**  
**WORKING LOAD LIMIT (WLL):** 5,400 LBS / 2,450 Kg  
**BREAK STRENGTH (BS):** 16,200 LBS / 7,350 Kg

**SEWN LOOP**

**MODEL 2904-2813**  
**WORKING LOAD LIMIT (WLL):** 5,000 LBS / 2,267 Kg  
**BREAK STRENGTH (BS):** 16,200 LBS / 7,350 Kg

**FLAT CONTAINER HOOK**

**MODEL 2904-6079**  
**WORKING LOAD LIMIT (WLL):** 5,400 LBS / 2,450 Kg  
**BREAK STRENGTH (BS):** 16,200 LBS / 7,350 Kg

---

**NOTE:** FOR LOAD SECURING ONLY, NOT FOR LIFTING. ALL WINCH AND STRAP ASSEMBLIES SHOULD BE INSPECTED FOR FRAYS, CUTS, OR DAMAGED HARDWARE BEFORE AND AFTER USING. DESIGNED TO MEET OR EXCEED WSTDA T-1 STANDARD.

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**BUFFERS USA INC**  
"The Intermodal Hardware Specialists"  
904-696-0010  
E-mail: sales@buffersusa.com  
3/17/23
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Material</th>
<th>Color</th>
<th>Weight (LBS / Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2904-6094</td>
<td>for up to 4&quot;-wide Webbing</td>
<td>Plastic</td>
<td>White</td>
<td>0.16 / 0.072</td>
</tr>
<tr>
<td>2904-6095</td>
<td>HD Design for up to 4&quot;-wide Webbing</td>
<td>Plastic</td>
<td>Orange</td>
<td>0.23 / 0.105</td>
</tr>
<tr>
<td>2904-6096</td>
<td>for 2&quot;–4&quot;-wide Webbing</td>
<td>Steel</td>
<td>Zinc-plated</td>
<td>1.2 / 0.54</td>
</tr>
<tr>
<td>2904-6098</td>
<td>Combined Protection for use w/ Chain</td>
<td>Steel</td>
<td>Zinc-plated</td>
<td>1.1 / 0.5</td>
</tr>
<tr>
<td>2904-6099</td>
<td>Webbing Protection Only for 1&quot;–4&quot;-wide Webbing</td>
<td>Black Rubber</td>
<td>Self-color</td>
<td>0.68 / 0.31</td>
</tr>
</tbody>
</table>
## Tarp Straps w/ S-Hooks

**Model**: 2904-8203, 10" / 254 MM  
**Nominal Length**: 15" / 381 MM  
**Installed Max. Length**: 0.04 LBS / 0.02 Kg  
**Material**: EPDM Synthetic Rubber  
**Finish**: Black  
**Packaging**: 50 PCS./BAG & 2 BAGS/CARTON  

**Model**: 2904-8204, 15" / 381 MM  
**Nominal Length**: 23" / 584 MM  
**Installed Max. Length**: 0.22 LBS / 0.1 Kg  
**MATERIAL**: EPDM SYNTHETIC RUBBER  
**FINISH**: BLACK  
**PACKAGING**: 50 PCS./BAG & 2 BAGS/CARTON  

**Model**: 2904-8205, 21" / 533 MM  
**Nominal Length**: 32" / 813 MM  
**Installed Max. Length**: 0.25 LBS / 0.11 Kg  

**Model**: 2904-8206, 31" / 787 MM  
**Nominal Length**: 36" / 914 MM  
**Installed Max. Length**: 0.3 LBS / 0.14 Kg  

**Model**: 2904-8207, 41" / 1,041 MM  
**Nominal Length**: 62" / 1,575 MM  
**Installed Max. Length**: 0.4 LBS / 0.18 Kg  

- Reinforced Ends for added strength  
- Zinc-plated Hooks  
- Not designed for Load Securing  

---

**Special Order Only**

- 2904-8203  
- 2904-8204  
- 2904-8205  
- 2904-8206  
- 2904-8207  

**Numbers**

- 2904-8203  
- 2904-8204  
- 2904-8205  
- 2904-8206  
- 2904-8207
**2" RATCHET STRAP ASSEMBLIES**

w/ FLAT HOOKS, WIRE HOOKS & CHAIN ANCHORS
ISO FLATRACK, FLATBED & AUTO TRAILERS

---

**SUB 2905-6056 FOR:** ANCRA 45982-10, KINEDYNE 512720, MULTIPRENS 5822-27  
**SUB 2905-6057 FOR:** ANCRA 45982-11, KINEDYNE 513020, MULTIPRENS 5822-30  

**STRAP COLOR:** YELLOW

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**SUB 2905-6058 FOR:** ANCRA 45982-45, KINEDYNE 512784, MULTIPRENS 5826-27  
**SUB 2905-6059 FOR:** ANCRA 45982-43, KINEDYNE 513084, MULTIPRENS 5826-30  

---

**SUB 2905-6060 FOR:** ANCRA 45982-15, KINEDYNE 512739, MULTIPRENS 5823-27  
**SUB 2905-6061 FOR:** ANCRA 45982-34, KINEDYNE 513039, MULTIPRENS 5823-30  

---

**SPECIAL ORDER ONLY**  
**WORKING LOAD LIMIT (WLL):** 3,333 LBS / 1,511 Kg  
**BREAK STRENGTH (BS):** 10,000 LBS / 4,535 Kg  

**NOTE:**  
FOR LOAD SECURING ONLY. NOT FOR LIFTING.  
ALL RATCHET STRAP ASSEMBLIES SHOULD BE INSPECTED FOR FRAYS, CUTS, OR DAMAGED HARDWARE BEFORE AND AFTER USING.  
DESIGNED TO MEET OR EXCEED WSTDA T-4 STANDARD.  
COMPLIES WITH DOT AND CA HIGHWAY PATROL TITLE 13.
2" RATCHET STRAP ASSEMBLIES
w/ GRAB HOOKS, DELTA RINGS & SNAP HOOKS
ISO FLATTRACK, FLATBED & AUTO TRAILERS

SUB 2905-6062 FOR: ANCRA 45982-14
SUB 2905-6063 FOR: ANCRA 45982-34

SPECIAL ORDER ONLY
2" x 27' w/ GRAB HOOKS
MODEL 2905-6062

2" x 30' w/ GRAB HOOKS
MODEL 2905-6063

SUB 2905-6064 FOR: ANCRA 45982-16
SUB 2905-6065 FOR: ANCRA 45982-35

SPECIAL ORDER ONLY
2" x 27' w/ DELTA RINGS
MODEL 2905-6064

2" x 30' w/ DELTA RINGS
MODEL 2905-6065

SUB 2905-6066 FOR: ANCRA 45982-19
SUB 2905-6067 FOR: ANCRA 45982-36

SPECIAL ORDER ONLY
2" x 27' w/ SNAP HOOKS
MODEL 2905-6066

2" x 30' w/ SNAP HOOKS
MODEL 2905-6067

WORKING LOAD LIMIT (WLL): 3,333 LBS / 1,511 Kg
BREAK STRENGTH (BS): 10,000 LBS / 4,535 Kg

NOTE:
FOR LOAD SECURING ONLY. NOT FOR LIFTING.
ALL RATCHET STRAP ASSEMBLIES SHOULD BE
INSPECTED FOR FRAYS, CUTS, OR DAMAGED
HARDWARE BEFORE AND AFTER USING.

DESIGNED TO MEET OR EXCEED WSTDA T-4 STANDARD.
COMPLIES WITH DOT AND CA HIGHWAY PATROL TITLE 13.

*FIXED LENGTH 18" EXCEPT
w/ CHAIN ANCHOR 33"

BUFFERS USA INC
“The Intermodal Hardware Specialists”

904-696-0010
E-mail: sales@buffersusa.com
3" RATCHET STRAP ASSEMBLIES
w/ FLAT HOOKS, WIRE HOOKS & CHAIN ANCHORS
ISO FLATrack, FLATBed & AUTO TRAILERS

3" x 27' w/ FLAT HOOKS
MODEL 2905-6068

3" x 30' w/ FLAT HOOKS
MODEL 2905-6069

3" x 30' w/ FLAT HOOKS & SHORT HANDLE
MODEL 2905-6069-SHR

SUB 2905-6068 FOR: ANCRA 48987-20, KINEDYNE 552721
SUB 2905-6069 FOR: ANCRA 48987-21, KINEDYNE 553021

3" x 27' w/ WIRE HOOKS
MODEL 2905-6070

3" x 30' w/ WIRE HOOKS
MODEL 2905-6071

SUB 2905-6071 FOR: KINEDYNE 553036

3" x 30' w/ FLAT HOOKS & SHORT HANDLE
MODEL 2905-6070-SHR

SUB 2905-6066 FOR: ANCRA 48987-24, KINEDYNE 552740
SUB 2905-6067 FOR: ANCRA 48987-25, KINEDYNE 553040

3" x 30' w/ CHAIN ANCHORS
MODEL 2905-6072

3" x 30' w/ CHAIN ANCHORS
MODEL 2905-6073

SUB 2905-6071 FOR: KINEDYNE 553036

WORKING LOAD LIMIT (WLL): 4,333 LBS / 1,965 Kg
BREAK STRENGTH (BS): 13,000 LBS / 5,896 Kg

NOTE:
FOR LOAD SECURING ONLY. NOT FOR LIFTING.
ALL RATCHET STRAP ASSEMBLIES SHOULD BE INPECTED FOR FRAYS, CUTS, OR DAMAGED HARDWARE BEFORE AND AFTER USING.

DESIGNED TO MEET OR EXCEED WSTDA T-4 STANDARD.
COMPLIES WITH DOT AND CA HIGHWAY PATROL TITLE 13.

*FIXED LENGTH 18" EXCEPT w/ CHAIN ANCHOR 33"

BUFFERS USA INC
“The Intermodal Hardware Specialists”

904-696-0010
E-mail: sales@buffersusa.com

10/28/19
**4” RATCHET STRAP ASSEMBLIES**

**w/ FLAT HOOKS, WIRE HOOKS, CHAIN ANCHORS**

**GRAB HOOKS & DELTA RINGS**

**ISO FLATRACK, FLATBED & AUTO TRAILERS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Working Load Limit (WLL)</th>
<th>Break Strength (BS)</th>
<th>Length</th>
<th>Strap Color</th>
<th>Special Order Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>2905-6080</td>
<td>4” x 27’ w/ FLAT HOOKS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6081</td>
<td>4” x 30’ w/ FLAT HOOKS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6081-40</td>
<td>4” x 40’ w/ FLAT HOOKS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6082</td>
<td>4” x 27’ w/ WIRE HOOKS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6083</td>
<td>4” x 30’ w/ WIRE HOOKS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6083-HD</td>
<td>4” x 40’ w/ WIRE HOOKS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6084</td>
<td>4” x 27’ w/ CHAIN ANCHORS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6085</td>
<td>4” x 30’ w/ CHAIN ANCHORS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6086</td>
<td>4” x 27’ w/ GRAB HOOKS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6087</td>
<td>4” x 30’ w/ GRAB HOOKS</td>
<td>5,400 LBS / 2,449 Kg</td>
<td>16,200 LBS / 7,348 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6088</td>
<td>4” x 27’ w/ DELTA RINGS</td>
<td>6,666 LBS / 3,030 Kg</td>
<td>20,000 LBS / 9,090 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>2905-6089</td>
<td>4” x 30’ w/ DELTA RINGS</td>
<td>6,666 LBS / 3,030 Kg</td>
<td>20,000 LBS / 9,090 Kg</td>
<td>4” Strap</td>
<td><strong>YELLOW</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>

*NOTE: For load securing only; NOT for lifting. All ratchet strap assemblies should be inspected for frays, cuts or damaged hardware before AND after using.*

---

**NOTE:**

For load securing only; NOT for lifting. All ratchet strap assemblies should be inspected for frays, cuts or damaged hardware before AND after using.

---

**Buffer USA Inc.**

“The Intermodal Hardware Specialists”

---

**904-696-0010**

E-mail: sales@buffersusa.com

---

3/6/23
**CAM BUCKLE STRAPS**

**REEFER CONTAINERS & REEFER VAN TRAILERS**

---

**MODEL 2905-6013**

CAM BUCKLE STRAP

1" x 14' w/ Wire Hooks & Web Buckle

- **WORKING LOAD LIMIT (WLL):** 400 LBS / 185 Kg
- **BREAK STRENGTH (BS):** 1,200 LBS / 544 Kg

**SUB FOR:** KINEDYNE 751281  **STRAP COLOR:** BLUE  **WEIGHT:** 1.4 LBS / 0.64 Kg

---

**MODEL 2905-6042**

CAM BUCKLE

2" x 16' w/ Endless Strap

- **WORKING LOAD LIMIT (WLL):** 833 LBS / 378 Kg
- **BREAK STRENGTH (BS):** 2,500 LBS / 1,134 Kg

**STRAP COLOR:** GRAY  **WEIGHT:** 1.39 LBS / 0.63 Kg

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BUFFERS USA INC

“The Intermodal Hardware Specialists”

904-696-0010  E-mail: sales@buffersusa.com
MODEL 2906-8164
SERIES A WELD-ON
LASHING PLATE

MATERIAL: STEEL
FINISH: ZINC-PLATED
WEIGHT: 0.62 LBS / 0.28 Kg
## Cam Buckle Logistic Straps

**2" x 12', 16' & 20'**

**Domcon Containers, Dry Van & Reefer Van Trailers**

### Cam Buckle Logistic Straps

**Spring-Loaded E/A Clip**

- **Fits E & A Series Tracks**
- **Working Load Limit (WLL):** 835 LBS / 379 Kg
- **Min. Break Strength (BS):** 2,500 LBS / 1,134 Kg

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2907-6030</td>
<td>2&quot; x 12' w/ SPING-LOADED E/A CLIP</td>
<td>YELLOW</td>
<td>1.7 LBS / 0.77 Kg</td>
</tr>
<tr>
<td>2907-6031</td>
<td>2&quot; x 16' w/ SPRING-LOADED E/A CLIP</td>
<td>GRAY</td>
<td>1.92 LBS / 0.87 Kg</td>
</tr>
<tr>
<td>2907-6032</td>
<td>2&quot; x 20' w/ SPRING-LOADED E/A CLIP</td>
<td>BLUE</td>
<td>2.09 LBS / 0.95 Kg</td>
</tr>
</tbody>
</table>

### 3-PC E/A Clip

- **Fits E & A Series Tracks**
- **Working Load Limit (WLL):** 835 LBS / 379 Kg
- **Min. Break Strength (BS):** 2,500 LBS / 1,134 Kg

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2907-6033</td>
<td>2&quot; x 12' w/ E/A CLIP</td>
<td>YELLOW</td>
<td>1.65 LBS / 0.75 Kg</td>
</tr>
<tr>
<td>2907-6034</td>
<td>2&quot; x 16' w/ E/A CLIP</td>
<td>GRAY</td>
<td>1.83 LBS / 0.83 Kg</td>
</tr>
<tr>
<td>2907-6035</td>
<td>2&quot; x 20' w/ E/A CLIP</td>
<td>BLUE</td>
<td>2 LBS / 0.91 Kg</td>
</tr>
</tbody>
</table>

### Butterfly F-Clip

- **Fits F Series Tracks**
- **Working Load Limit (WLL):** 500 LBS / 227 Kg
- **Min. Break Strength (BS):** 1,500 LBS / 680 Kg

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2907-6036</td>
<td>2&quot; x 12' w/ BUTTERFLY F-CLIP</td>
<td>YELLOW</td>
<td>1.45 LBS / 0.66 Kg</td>
</tr>
<tr>
<td>2907-6037</td>
<td>2&quot; x 16' w/ BUTTERFLY F-CLIP</td>
<td>GRAY</td>
<td>1.62 LBS / 0.74 Kg</td>
</tr>
<tr>
<td>2907-6038</td>
<td>2&quot; x 20' w/ BUTTERFLY F-CLIP</td>
<td>BLUE</td>
<td>1.8 LBS / 0.82 Kg</td>
</tr>
</tbody>
</table>

### Plate Hook

- **Fits F Series Tracks**
- **Working Load Limit (WLL):** 800 LBS / 363 Kg
- **Min. Break Strength (BS):** 2,400 LBS / 1,088 Kg

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2907-6039</td>
<td>2&quot; x 12' w/ PLATE HOOK</td>
<td>YELLOW</td>
<td>1.65 LBS / 0.75 Kg</td>
</tr>
<tr>
<td>2907-6040</td>
<td>2&quot; x 16' w/ PLATE HOOK</td>
<td>GRAY</td>
<td>1.83 LBS / 0.83 Kg</td>
</tr>
<tr>
<td>2907-6041</td>
<td>2&quot; x 20' w/ PLATE HOOK</td>
<td>BLUE</td>
<td>2 LBS / 0.91 Kg</td>
</tr>
</tbody>
</table>

---

**Buffers USA Inc**

“The Intermodal Hardware Specialists”

**Buffer USA, Inc.**

E-mail: sales@buffersusa.com

904-696-0010

6/18/18
### RATCHET-TYPE LOGISTIC STRAPS

**2" x 12', 16' & 20' DOMCON CONTAINERS, DRY VAN & REEFER VAN TRAILERS**

#### SPRING-LOADED E/A CLIP

**FITS E & A SERIES TRACKS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>COLOR</th>
<th>WORKING LOAD LIMIT (WLL):</th>
<th>MIN. BREAK STRENGTH (BS):</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2907-6018</td>
<td>2' x 12' w/ Spring-Loaded E/A Clip</td>
<td>YELLOW</td>
<td>1,400 LBS / 635 Kg</td>
<td>4,200 LBS / 1,905 Kg</td>
<td>2.1 LBS / 0.95 Kg</td>
</tr>
<tr>
<td>2907-6022</td>
<td>2' x 16' w/ Spring-Loaded E/A Clip</td>
<td>GRAY</td>
<td>1,000 LBS / 453 Kg</td>
<td>3,000 LBS / 1,360 Kg</td>
<td>2.2 LBS / 1 Kg</td>
</tr>
<tr>
<td>2907-6023</td>
<td>2' x 20' w/ Spring-Loaded E/A Clip</td>
<td>BLUE</td>
<td>1,000 LBS / 453 Kg</td>
<td>3,000 LBS / 1,360 Kg</td>
<td>2.4 LBS / 1.09 Kg</td>
</tr>
</tbody>
</table>

#### BUTTERFLY F-CLIP

**FITS F SERIES TRACKS**

**WORKING LOAD LIMIT (WLL): 500 LBS / 227 Kg**

**MIN. BREAK STRENGTH (BS): 1,500 LBS / 680 Kg**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>COLOR</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2907-6024</td>
<td>2' x 12' w/ Butterfly F Clip</td>
<td>YELLOW</td>
<td>1.85 LBS / 0.84 Kg</td>
</tr>
<tr>
<td>2907-6025</td>
<td>2' x 16' w/ Butterfly F Clip</td>
<td>GRAY</td>
<td>2.05 LBS / 0.93 Kg</td>
</tr>
<tr>
<td>2907-6026</td>
<td>2' x 20' w/ Butterfly F Clip</td>
<td>BLUE</td>
<td>2.25 LBS / 1.02 Kg</td>
</tr>
</tbody>
</table>

#### PLATE HOOK & SPRING-LOADED E/A CLIP COMBINATION

**FITS E, A & F SERIES TRACKS**

**WORKING LOAD LIMIT (WLL): 833 LBS / 378 Kg**

**MIN. BREAK STRENGTH (BS): 2,500 LBS / 1,134 Kg**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>COLOR</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2907-6027</td>
<td>2' x 12' w/ Plate Hook &amp; Spring-Loaded E/A Clip</td>
<td>YELLOW</td>
<td>2.55 LBS / 1.16 Kg</td>
</tr>
<tr>
<td>2907-6028</td>
<td>2' x 16' w/ Plate Hook &amp; Spring-Loaded E/A Clip</td>
<td>GRAY</td>
<td>2.75 LBS / 1.25 Kg</td>
</tr>
<tr>
<td>2907-6029</td>
<td>2' x 20' w/ Plate Hook &amp; Spring-Loaded E/A Clip</td>
<td>BLUE</td>
<td>2.95 LBS / 1.34 Kg</td>
</tr>
</tbody>
</table>

---

**BUFFERS USA INC**

“The Intermodal Hardware Specialists”

**E-mail:** sales@buffersusa.com

**904-696-0010**

5/30/23
<table>
<thead>
<tr>
<th>Model 2907-6044</th>
<th>2&quot; x 6&quot; Tie-Off w/ Delta Ring &amp; Spring-Loaded E/A Clip</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Working Load Limit (WLL):</strong> 1,000 LBS / 454 Kg</td>
<td><strong>Min. Break Strength (BS):</strong> 3,000 LBS / 1,361 Kg</td>
</tr>
<tr>
<td><strong>Strap Color:</strong> Yellow</td>
<td><strong>Weight:</strong> 0.4 LBS / 0.18 Kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model 2907-6045</th>
<th>2&quot; x 6&quot; Tie-Off w/ Delta Ring &amp; 3-pc. E/A Clip</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Working Load Limit (WLL):</strong> 1,000 LBS / 454 Kg</td>
<td><strong>Min. Break Strength (BS):</strong> 3,000 LBS / 1,361 Kg</td>
</tr>
<tr>
<td><strong>Strap Color:</strong> Yellow</td>
<td><strong>Weight:</strong> 0.3 LBS / 0.14 Kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model 2907-6046</th>
<th>2&quot; x 6&quot; Tie-Off w/ Delta Ring &amp; Butterfly F-Clip</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Working Load Limit (WLL):</strong> 500 LBS / 227 Kg</td>
<td><strong>Min. Break Strength (BS):</strong> 1,500 LBS / 680 Kg</td>
</tr>
<tr>
<td><strong>Strap Color:</strong> Yellow</td>
<td><strong>Weight:</strong> 0.25 LBS / 0.11 Kg</td>
</tr>
</tbody>
</table>
**MODEL 2908-2747**

**OVER-CENTER CARGO BAR**
- Over-center-type handle
- Swivel-type feet w/ reinforced, non-marking rubber end pads
- Rugged ductile iron handle & housing

**WEIGHT:** 12.7 LBS / 5.76 Kg
**FINISH:** ZINC-PLATED

Adjustable from 88" (2,235 MM) to 104" (2,642 MM)

**PLEASE NOTE:** Cargo bars do not have load ratings due to varying conditions of trailer sidewalls.

**MODEL 2908-6336**

**HOOP KIT** (sold separately)
Provides larger securing area for 2747 Cargo Bar.

- 4 Bolt-on Hoops (steel tubing)
- 8 Steel Brackets
- 18 Nuts & 18 Bolts

**WEIGHT:** 12.7 LBS / 5.76 Kg

Adjustable from 84" (2,134 MM) to 112-1/2" (2,858 MM)

**PLEASE NOTE:** Cargo bars do not have load ratings due to varying conditions of trailer sidewalls.

**MODEL 2908-2899**

**JACK-TYPE CARGO BAR**
- Jack-type handle
- Rigid-type feet w/ reinforced, non-marking rubber end pads
- Rugged square tubing construction

**FINISH:** ZINC-PLATED
**WEIGHT:** 13.85 LBS / 6.28 Kg

Adjustable from 84" (2,134 MM) to 112-1/2" (2,858 MM)

**MODEL 2908-2899-WH**

**JACK-TYPE CARGO BAR**
2908-2899 w/ Welded Hoops
- Jack-type handle
- Rigid-type feet w/ reinforced, non-marking rubber end pads
- Rugged square tubing construction
- Welded hoops

**FINISH:** ZINC-PLATED
**WEIGHT:** 24 LBS / 10.89 Kg

Adjustable from 84" (2,134 MM) to 112-1/2" (2,858 MM)

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**904-696-0010**

BUFFERS USA INC
“The Intermodal Hardware Specialists”

2908-1

1/29/20
**SUB FOR:** ANCRA 49344-12, PENZ 55-21  
**MATERIAL:** FAB. STEEL  
**FINISH:** BLACK PAINT  
**WEIGHT:** 4.7 LBS / 2.13 Kg

**SUB FOR:** ANCRA 49344-10, PENZ 55-21  
**MATERIAL:** FAB. STEEL  
**FINISH:** BLACK PAINT  
**WEIGHT:** 4.7 LBS / 2.13 Kg

**MATERIAL:** FAB. STEEL  
**FINISH:** BLACK PAINT  
**WEIGHT:** 5 LBS / 2.27 Kg

**MATERIAL:** FAB. STEEL  
**FINISH:** BLACK PAINT  
**WEIGHT:** 16.15 LBS / 7.33 Kg

904-696-0010  
E-mail: sales@buffersusa.com

BUFFERS USA INC  
“The Intermodal Hardware Specialists”  
2908-2

COIL RACKS  
FLATBED & AUTO TRAILERS

MODEL 2908-6347

MODEL 2908-6348

MODEL 2908-6350
BRACING LUMBER BRACKETS
SELF-ADHESIVE
DRY VAN TRAILERS

MATERIAL: ABS PLASTIC
COLOR: BLACK
WEIGHT: 0.9 LBS / 0.41 Kg

1 EA. 4 x 4
3-1/2"
89 MM

2 EA. 2 x 4s NAILED TOGETHER
3-1/2"
89 MM
3"
76.2 MM

1 EA. 2 x 4
1-1/2"
38 MM

- ONE-TIME USE
- LIGHTWEIGHT, BUT STRONG
- QUICK & EASY TO APPLY w/ SELF-ADHESIVE TAPE
- WORKS WITH STD. LUMBER
- DESIGNED TO HOLD:
  - 1 EA. 4" x 4" or
  - 2 EA. 2" x 4" NAILED TOGETHER or
  - 1 EA. 2" x 4"

MODEL 2908-7428
FOR FLAT-SIDED TRAILER

BUFFERS USA INC
“The Intermodal Hardware Specialists”

904-696-0010
E-mail: sales@buffersusa.com

12/16/19
## STANDARD DUTY
for Series A & E Logistic Track

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MATERIAL EXTRUSION / LATCH ASSY.</th>
<th>DECKING WLL*</th>
<th>SHORING WLL*</th>
<th>A</th>
<th>MAX.</th>
<th>WEIGHT</th>
<th>FOR TRAILER WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2908-6324</td>
<td>ALUMINUM / STEEL</td>
<td>2,200 LBS</td>
<td>2,000 LBS</td>
<td>86°</td>
<td>97°</td>
<td>17.9 Lbs</td>
<td>96°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>997.9 Kg</td>
<td>907.2 Kg</td>
<td></td>
<td>2,463 MM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2908-6325</td>
<td>ALUMINUM / STEEL</td>
<td>2,200 LBS</td>
<td>2,000 LBS</td>
<td>91°</td>
<td>102°</td>
<td>18.8 Lbs</td>
<td>96° – 102°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>997.9 Kg</td>
<td>907.2 Kg</td>
<td></td>
<td>2,590 MM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2908-6325-106</td>
<td>ALUMINUM / STEEL</td>
<td>2,200 LBS</td>
<td>2,000 LBS</td>
<td>96°-1/4°</td>
<td>106-5/8°</td>
<td>19.3 Lbs</td>
<td>102° HC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>997.9 Kg</td>
<td>907.2 Kg</td>
<td></td>
<td>2,707 MM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*NOTE: WLL IS BASED ON EVENLY DISTRIBUTED LOADS.

### SPECIAL ORDER ONLY

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MATERIAL EXTRUSION / LATCH ASSY.</th>
<th>DECKING WLL*</th>
<th>SHORING WLL*</th>
<th>A</th>
<th>MAX.</th>
<th>WEIGHT</th>
<th>FOR TRAILER WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2908-6326</td>
<td>ALUMINUM / STEEL</td>
<td>3,000 LBS</td>
<td>2,500 LBS</td>
<td>86°</td>
<td>97°</td>
<td>20.9 Lbs</td>
<td>96°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,360.8 Kg</td>
<td>1,134 Kg</td>
<td></td>
<td>2,463 MM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2908-6327</td>
<td>ALUMINUM / STEEL</td>
<td>3,000 LBS</td>
<td>2,500 LBS</td>
<td>91°</td>
<td>102°</td>
<td>22.3 Lbs</td>
<td>96° – 102°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,360.8 Kg</td>
<td>1,134 Kg</td>
<td></td>
<td>2,590 MM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2908-6327-106</td>
<td>ALUMINUM / STEEL</td>
<td>3,000 LBS</td>
<td>2,500 LBS</td>
<td>96°-1/4°</td>
<td>106-5/8°</td>
<td>23 Lbs</td>
<td>102° HC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,360.8 Kg</td>
<td>1,134 Kg</td>
<td></td>
<td>2,707 MM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*NOTE: WLL IS BASED ON EVENLY DISTRIBUTED LOADS.

### HEAVY DUTY
for Series A & E Logistic Track

## DECKING / SHORING BEAMS
Dry Van & Reefer Van Trailers

[return to Table of Contents]
# DECKING / SHORING BEAMS
## DRY VAN & REEFER VAN TRAILERS

**STANDARD DUTY**
for Series A & E Logistic Track

---

![Diagram of DECKING / SHORING BEAMS](image_url)

---

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MATERIAL EXTRUSION / LATCH ASSY.</th>
<th>DECKING WLL*</th>
<th>SHORING WLL*</th>
<th>MIN.</th>
<th>MAX.</th>
<th>WEIGHT</th>
<th>FOR TRAILER WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2908-6328</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>2,000 LBS 907.2 Kg</td>
<td>1,350 LBS 612.3 Kg</td>
<td>86&quot;</td>
<td>97&quot;</td>
<td>23.9 LBS 11.5 Kg</td>
<td>85&quot; – 94&quot;</td>
</tr>
<tr>
<td>2908-6329</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>2,000 LBS 907.2 Kg</td>
<td>1,350 LBS 612.3 Kg</td>
<td>91&quot;</td>
<td>102&quot;</td>
<td>26.5 LBS 12 Kg</td>
<td>92&quot; – 102&quot;</td>
</tr>
</tbody>
</table>

*NOTE: WLL is based on evenly distributed loads.*

---

**2908-6328 SUB FOR:** ANCRA 49360-10, MULTIPRENS DBS-96
**2908-6329 SUB FOR:** ANCRA 49360-11, KINEDYNE 1866, MULTIPRENS DBS-102

---

BUFFERS USA INC
“The Intermodal Hardware Specialists”

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12/17/19
# SHORING BARS
## PUSH-BUTTON ADJUSTMENT
### DRY VAN TRAILERS

**ROUND / STANDARD DUTY**

For Series F Logistic Track

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TUBE / END ASSY. MATERIAL</th>
<th>SHORING WLL*</th>
<th>MIN. A</th>
<th>MAX. A</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2908-6332-93</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>500 LBS</td>
<td>79°</td>
<td>93°</td>
<td>15.5 LBS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>226.8 Kg</td>
<td>2,007 MM</td>
<td>2,362 MM</td>
<td>7 Kg</td>
</tr>
<tr>
<td>2908-6332-108</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>500 LBS</td>
<td>93-1/2°</td>
<td>108°</td>
<td>17 LBS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>226.8 Kg</td>
<td>2,375 MM</td>
<td>2,743 MM</td>
<td>7.7 Kg</td>
</tr>
<tr>
<td>2908-6332-114</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>500 LBS</td>
<td>100°</td>
<td>114°</td>
<td>18 LBS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>226.8 Kg</td>
<td>2,540 MM</td>
<td>2,896 MM</td>
<td>8.2 Kg</td>
</tr>
</tbody>
</table>

*NOTE: WLL is based on evenly distributed loads.

2908-6332-93 SUB FOR: KINEDYNE 1816-1  
2908-6332-108 SUB FOR: ANCRA 49439-10, KINEDYNE 1816-2, MULTIPRENS SB-204Y & SB611  
2908-6332-114 SUB FOR: KINEDYNE 1816-3

**SQUARE / STANDARD DUTY**

For Series F Logistic Track

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TUBE / END ASSY. MATERIAL</th>
<th>SHORING WLL*</th>
<th>MIN. A</th>
<th>MAX. A</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2908-6333-95</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>500 LBS</td>
<td>81°</td>
<td>95°</td>
<td>16.4 LBS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>226.8 Kg</td>
<td>2,057 MM</td>
<td>2,413 MM</td>
<td>7.4 Kg</td>
</tr>
<tr>
<td>2908-6333-108</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>500 LBS</td>
<td>93-1/2°</td>
<td>108°</td>
<td>18.3 LBS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>226.8 Kg</td>
<td>2,375 MM</td>
<td>2,743 MM</td>
<td>8.3 Kg</td>
</tr>
<tr>
<td>2908-6333-116</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>500 LBS</td>
<td>102°</td>
<td>116°</td>
<td>19.1 LBS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>226.8 Kg</td>
<td>2,591 MM</td>
<td>2,946 MM</td>
<td>8.7 Kg</td>
</tr>
</tbody>
</table>

*NOTE: WLL is based on evenly distributed loads.

2908-6333-95 SUB FOR: KINEDYNE 1818-1  
2908-6333-116 SUB FOR: KINEDYNE 1818-3, MULTIPRENS SB-103F
**SHORING BARS**

**CLEVIS PIN ADJUSTMENT**

**D E RY V A N T R A I L E R S**

---

**SQUARE / HEAVY DUTY**

for Series F Logistic Track

---

### Dimensions

- **OD. 3/4” Ø18.7 MM**
- **OD. 1-3/4” Ø44.5 MM**
- **2” 50.8 MM**
- **2” 50.8 MM**
- **1/2” 12.7 MM**
- **12” 305 MM**
- **79-3/8” 1,990 MM**
- **305 MM**

---

### Models and Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TUBE / END ASSY. MATERIAL</th>
<th>SHORING WLL*</th>
<th>MIN.</th>
<th>MAX.</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2908-6334-95</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>1,000 LBS</td>
<td>79-1/2'</td>
<td>95-1/2'</td>
<td>21 LBS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>453.6 Kg</td>
<td>2,019 MM</td>
<td>2,426 MM</td>
<td>9.53 Kg</td>
</tr>
<tr>
<td>2908-6334-104</td>
<td>STEEL (HDG) / STEEL (HDG)</td>
<td>1,000 LBS</td>
<td>91-5/16'</td>
<td>104-11/16'</td>
<td>22.55 LBS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>453.6 Kg</td>
<td>2,319 MM</td>
<td>2,659 MM</td>
<td>10.23 Kg</td>
</tr>
</tbody>
</table>

*NOTE:* WLL IS BASED ON EVENLY DISTRIBUTED LOADS.

**2908-6334-95 SUB FOR:** KINEDYNE FE7495-1
**2908-6334-104 SUB FOR:** MULTIPRENS SB-203F

---

[return to Table of Contents]
EYELET CLIP
FOR REEFER T-FLOOR
REEFER CONTAINERS & REEFER VAN TRAILERS

WORKS WITH: T-FLOOR
MATERIAL: FORGED EYE NUT
FINISH: ZINC-PLATED
WEIGHT: 1.05 LBS / 0.48 Kg

MODEL 2909-8685

USED AS TEMPORARY TIE-OFF POINT ON REEFER CONTAINER FLOORS.
MBS 2,325 LBS / 1,054 Kg

2-1/2" 62.9 MM
2-1/2" 62.9 MM
I.D.1-3/16" Ø30 MM
60º TEST DIRECTION
MBS 2,325 LBS
1,054.6 Kg

BUFFERS USA INC
"The Intermodal Hardware Specialists"

904-696-0010
E-mail: sales@buffersusa.com

2909-4
BUFFERS USA® dunnage bags are the convenient way to protect your goods from being damaged during shipping by preventing load shifting when transporting boxed, palletized or different/odd-shaped products/packaging. Dunnage bags are also a less expensive means of blocking and bracing than the use of lumber and nails or expensive rubber air bags. BUFFERS USA offers both polypropylene and paper dunnage bags.

**GENERAL APPLICATIONS**

**POLYPROPYLENE & PAPER DUNNAGE BAGS**

Dunnage bags are the convenient way to dunnage bags are the convenient way to protect your goods from being damaged during shipping by preventing load shifting when transporting boxed, palletized or different/odd-shaped products/packaging.

**Comprehensive Product Range:** 5 different strength levels and 29 different sizes per level provide 145 different standard bag options. Custom sizes to your specifications are also available.

**Safety:** Bags are produced under ISO 9001 & 14001 standards and certified by the Association of American Railroads (AAR) and the Railway Association of Canada (RAC).

**Cost Effective:** Levels 1, 2 and 3 (non-railroad) are reusable. Ability to reuse reduces cost for second use by 50%.

**Lightweight & Waterproof:** Easy to handle, light in weight, take up less space, and are resistant to moisture and water ingress.

**Easier To Install Than Vinyl Bag:** Rigidity of polypropylene bag when flat and empty enables faster, easier install in tight or hard-to-reach places.

**Sturdy Construction:** Made from multiple layers (2-, 4-, 6- or 8-ply) of high-strength kraft paper with an inflatable internal polyethylene bladder.

**Note:** Not suitable for wet or moist cargo.

**Environmentally Friendly:** 100% recyclable virgin materials.

**Easy To Use:** Dunnage bags can be installed in a few minutes using an air hose and inflator tip. After use, deflate the bag by inflating and deflating valve.

**Can Fill a Larger Void Than Paper Bags:** Polypropylene dunnage bags can fill a space up to 18”, much larger compared to the paper dunnage bags, which can only fill a void up to 14”.

**Durable Construction:** Strong, woven polypropylene outer fabric layer and airtight polyethylene inner bladder with an inflating and deflating valve.

**Takes Shape To Odd Configurations:** Bags are flexible enough to fill every shape and odd space between cargo.

**Polymers:**

- Polypropylene
- Kraft Paper

**KRAFT PAPER DUNNAGE BAGS**

**Safety:** Provides same protection against load shifting.

**Cost-Effective:** Less expensive than polypropylene bags.

**Practical:** One-time use, suitable for export shipments.
ORDERING INFORMATION

1) Choose Your Strength Based On Mode Of Transport:

<table>
<thead>
<tr>
<th>Polypropylene Level</th>
<th>Paper Ply</th>
<th>Mode of Transport</th>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 1 (L1)</td>
<td>2-ply</td>
<td>Truck</td>
<td>Max: 3 psi (0.21 bar or kg/cm²)</td>
</tr>
<tr>
<td>Level 2 (L2)</td>
<td>4-ply</td>
<td>Intermodal container</td>
<td>Max: 4 psi (0.28 bar or kg/cm²)</td>
</tr>
<tr>
<td>Level 3 (L3)</td>
<td>6-ply</td>
<td>Normal rail use</td>
<td>Max: 6 psi (0.41 bar or kg/cm²)</td>
</tr>
<tr>
<td>Level 4 (L4)</td>
<td>8-ply</td>
<td>Over 160,000 lbs. in rail car</td>
<td>Max: 7 psi (0.48 bar or kg/cm²)</td>
</tr>
<tr>
<td>Level 5 (L5)</td>
<td></td>
<td>Over 200,000 lbs. load in rail car (High Cube car)</td>
<td>Max: 8 psi (0.55 bar or kg/cm²)</td>
</tr>
</tbody>
</table>

2) Determine Size: Specify bag size(s) at about 90% of width and length of each void space.

3) Select Bag From The Following Charts Based On Above Requirements/Measurements:

REUSABLE POLYPROPYLENE DUNNAGE BAGS

Sizes Available For Levels 1, 2, 3, 4 and 5 (145 combinations of level/size models):

<table>
<thead>
<tr>
<th>30” WIDE</th>
<th>36” WIDE</th>
<th>46.5” WIDE</th>
<th>57.5” WIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>30” x 30” (726 mm x 726 mm)</td>
<td>36” x 36” (914 mm x 914 mm)</td>
<td>46.5” x 48” (1,181 mm x 1,219 mm)</td>
<td>57.5” x 96” (1,461 mm x 2,438 mm)</td>
</tr>
<tr>
<td>30” x 48” (726 mm x 1,219 mm)</td>
<td>36” x 48” (914 mm x 1,219 mm)</td>
<td>46.5” x 60” (1,181 mm x 1,524 mm)</td>
<td>57.5” x 108” (1,461 mm x 2,743 mm)</td>
</tr>
<tr>
<td>30” x 60” (726 mm x 1,524 mm)</td>
<td>36” x 60” (914 mm x 1,524 mm)</td>
<td>46.5” x 72” (1,181 mm x 1,828 mm)</td>
<td>57.5” x 120” (1,461 mm x 3,048 mm)</td>
</tr>
<tr>
<td>30” x 72” (726 mm x 1,828 mm)</td>
<td>36” x 66” (914 mm x 1,676 mm)</td>
<td>46.5” x 84” (1,181 mm x 2,134 mm)</td>
<td></td>
</tr>
<tr>
<td>30” x 84” (726 mm x 2,134 mm)</td>
<td>36” x 72” (914 mm x 1,828 mm)</td>
<td>46.5” x 96” (1,181 mm x 2,438 mm)</td>
<td></td>
</tr>
<tr>
<td>30” x 96” (726 mm x 2,438 mm)</td>
<td>36” x 84” (914 mm x 2,134 mm)</td>
<td>46.5” x 102” (1,181 mm x 2,591 mm)</td>
<td></td>
</tr>
<tr>
<td>30” x 102” (726 mm x 2,591 mm)</td>
<td>36” x 96” (914 mm x 2,438 mm)</td>
<td>46.5” x 108” (1,181 mm x 2,743 mm)</td>
<td></td>
</tr>
<tr>
<td>30” x 108” (726 mm x 2,743 mm)</td>
<td>36” x 102” (914 mm x 2,591 mm)</td>
<td>46.5” x 120” (1,181 mm x 3,048 mm)</td>
<td></td>
</tr>
<tr>
<td>30” x 108” (726 mm x 2,743 mm)</td>
<td>36” x 108” (914 mm x 2,743 mm)</td>
<td>46.5” x 132” (1,181 mm x 3,353 mm)</td>
<td></td>
</tr>
</tbody>
</table>

KRAFT PAPER DUNNAGE BAGS

All sizes available in 2-, 4-, 6- and 8-ply (100 combinations of ply/size models):

<table>
<thead>
<tr>
<th>WIDTHS (500 mm)</th>
<th>LENGTHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>20” (500 mm)</td>
<td>24” (600 mm)</td>
</tr>
<tr>
<td>32” (800 mm)</td>
<td>48” (1,200 mm)</td>
</tr>
<tr>
<td>36” (900 mm)</td>
<td>48” (1,200 mm)</td>
</tr>
<tr>
<td>40” (1,000 mm)</td>
<td>60” (1,500 mm)</td>
</tr>
<tr>
<td>48” (1,200 mm)</td>
<td>71” (1,800 mm)</td>
</tr>
<tr>
<td></td>
<td>87” (2,200 mm)</td>
</tr>
<tr>
<td></td>
<td>95” (2,400 mm)</td>
</tr>
</tbody>
</table>

BUFFERS USA INC®
“The Intermodal Hardware Specialists”
BUFFERS USA now offers a unique KRAFT PAPER-CLAD POLYPROPYLENE paper dunnage bag that combines the strength of polypropylene with the convenience and cost effectiveness of paper dunnage bags. Our complete line of paper and polypropylene dunnage bags are the convenient way to protect your goods from being damaged during shipping by preventing load shifting when transporting boxed, palletized or different/odd shaped products/packaging. Dunnage bags are also a less expensive means of blocking and bracing than the use of lumber and nails or expensive rubber air bags.

BUFFERS USA EXCLUSIVE!
ONE-PIECE VALVE DESIGN PROVIDES FAST, SAFE & CONVENIENT INFLATION

INDUSTRY-LEADING FEATURES & BENEFITS:

Cost-Effective:
Less expensive than 100% polypropylene bags. Designed specifically for Levels 1 and 2 (L1 & L2).

Practical:
One-time use; suitable for truck and intermodal export shipments.

Takes Shape To Odd Configurations:
Bags are flexible enough to fill every shape and odd space between cargo.

Easy To Use:
Dunnage bags can be installed in a few minutes using an air hose and inflator tip. After use, simply insert the quick-connect lock-ring tip to deflate; there’s no need to puncture the bag.

Easier To Install Than Vinyl Bag:
Rigidity of bag when flat and empty enables faster, easier installation in tight or hard-to-reach places.

Environmentally Friendly:
100% recyclable virgin materials.

NOTE: Not suitable for wet or moist cargo.

• Convenient, sturdy finger grip
• Attached dust cap
• Single O-ring design reduces risk of leakage
• Integrated air dispenser/diverter

• Quick-connect lock-ring style tip for inflation/deflation

BUFFERS USA INC
“The Intermodal Hardware Specialists”
### FAST, SAFE & EASY INFLATION

Attach quick-connect lock-ring tip to filler valve. Use pressure gauge when filling. Use tool model 2910-6983-HD-KIT.

### ORDERING INFORMATION

1) **Choose Your Strength Based On Mode Of Transport:**

<table>
<thead>
<tr>
<th>Strength Level</th>
<th>Cladding Thickness</th>
<th>Bladder Thickness</th>
<th>Max Fill Pressure</th>
<th>Min. Burst Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 1 (L1)</td>
<td>0.20 mm</td>
<td>0.07 mm</td>
<td>Truck</td>
<td>3 psi (0.21 bar / kg/cm²)</td>
</tr>
<tr>
<td>Level 2 (L2)</td>
<td>0.25 mm</td>
<td>0.10 mm</td>
<td>Intermodal Container</td>
<td>4 psi (0.28 bar / kg/cm²)</td>
</tr>
</tbody>
</table>

2) **Determine Size:** Specify bag size at about 90% of the width and length of the void space area.

   **Note:** Not recommended for void depth over 15” (380 mm).

3) **Select Available Bag Size(s):**

<table>
<thead>
<tr>
<th>Widths (500 mm)</th>
<th>Lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>20” (500 mm)</td>
<td>24” (600 mm)</td>
</tr>
<tr>
<td></td>
<td>2910-L1-2024-P</td>
</tr>
<tr>
<td>32” (800 mm)</td>
<td>48” (1,200 mm)</td>
</tr>
<tr>
<td></td>
<td>2910-L1-3248-P*</td>
</tr>
<tr>
<td></td>
<td>2910-L2-3248-P*</td>
</tr>
<tr>
<td>36” (900 mm)</td>
<td>40” (1,000 mm)</td>
</tr>
<tr>
<td></td>
<td>2910-L1-3640-P*</td>
</tr>
<tr>
<td>40” (1,000 mm)</td>
<td>48” (1,200 mm)</td>
</tr>
<tr>
<td></td>
<td>2910-L1-4048-P*</td>
</tr>
<tr>
<td></td>
<td>2910-L2-4048-P*</td>
</tr>
<tr>
<td>48” (1,200 mm)</td>
<td>71” (1,800 mm)</td>
</tr>
<tr>
<td></td>
<td>2910-L1-4871-P*</td>
</tr>
<tr>
<td></td>
<td>2910-L2-4871-P*</td>
</tr>
</tbody>
</table>

* SPECIAL ORDER ONLY
### PAGE NUMBERS

<table>
<thead>
<tr>
<th>Page Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3201-1</td>
<td>WHEEL STUD SECURITY SEALS (Indicative type)</td>
</tr>
<tr>
<td>3202-1 to -7</td>
<td>SECURITY SEALS:</td>
</tr>
<tr>
<td></td>
<td>• High-Security Barrier Seals (Lock Rod Handle Lock, Door Lock, Locking Clamp)</td>
</tr>
<tr>
<td></td>
<td>• Bolt Security Seals (Class H, per ISO 17712)</td>
</tr>
<tr>
<td></td>
<td>• Steel Cable Security Seals (Class H, I &amp; S, per ISO 17712)</td>
</tr>
<tr>
<td></td>
<td>• Pull-Up Security Seals (Class I, per ISO 17712)</td>
</tr>
<tr>
<td>3203-1</td>
<td>KING PIN LOCK</td>
</tr>
</tbody>
</table>
The Intermodal Hardware Specialists

BUFFERS USA INC

TIGHTEN WITH TAB NUT. TURN UNTIL TAB BREAKS. USE GLOVES.

MODEL 3201-1326
FITS 3/4"-10 TPI WHEEL STUD/LUG NUT

- MADE FROM HIGH-IMPACT POLYSTYRENE.
- BREAK-OFF TAB DESIGN ENSURES CONSISTENT CORRECT INSTALLATION.
- MORE SECURE ALSO ON SHORTER STUD THREADS.
- CAP IS TRANSLUCENT COLOR, ALLOWING INSIDE LABELS TO BE READ FROM OUTSIDE.
- DESIGNED TO BE NON-REMOVABLE, MUST BE BROKEN TO BE REMOVED.
- SERIALIZED NON-PEEL LABEL WITH BARCODE IS STANDARD.
- CLASS I (INDICATIVE).

MODEL 3201-2988
FITS M22-1.5 WHEEL STUD/LUG NUT

- MADE FROM HIGH-IMPACT POLYSTYRENE.
- BREAK-OFF TAB DESIGN ENSURES CONSISTENT CORRECT INSTALLATION.
- MORE SECURE ALSO ON SHORTER STUD THREADS.
- CAP IS TRANSLUCENT COLOR, ALLOWING INSIDE LABELS TO BE READ FROM OUTSIDE.
- DESIGNED TO BE NON-REMOVABLE, MUST BE BROKEN TO BE REMOVED.
- SERIALIZED NON-PEEL LABEL WITH BARCODE IS STANDARD.
- CLASS I (INDICATIVE).
When extra security is required
• Easy to fit and lock with minimum slack
• Locking Bushing cannot be cut w/ Bolt Cutters
• Removed by cutting the clamp w/ Power Tool or Torch
• Cannot be bent off w/ Crowbar or split w/ Freon

CLASS: H
PACKAGING: 10 SETS / BOX
3202-2950 WEIGHT: 3.38 LBS / SET
3202-2949 WEIGHT: 1.19 LBS / SET

CONTAINER & TRAILER LOCK ROD HANDLE
LOCK KIT w/ Key Lock, Reusable

COMPLETE SET
MODEL 3202-2950
CYLINDER KEY LOCK ONLY
MODEL 3202-2949

CONTAINER DOOR LOCK CLAMP ASSEMBLY
w/ Key Lock, Reusable

COMPLETE SET
MODEL 3202-2951
CYLINDER KEY LOCK ONLY
MODEL 3202-2949

CONTAINER & TRAILER DOOR LOCKING CLAMP
w/ Locking Stud, Serial # Printed, One-Time Use

CLASS: H
PACKAGING: 6 SETS / BOX
3202-2951 WEIGHT: 5.29 LBS / SET
3202-2949 WEIGHT: 1.19 LBS / SET

MODEL 3202-2952

• Ideal for Fleets and all Owner-operated Units
• Prevents turning of the Lock Rod and drilling of the Handle Rivet
• Very easy to fit and lock w/ Key
• Lock Bolt spins and is too short for Bolt Cutters

• Ideal for Fleets and all Owner-operated Units
• Heavy-duty 5-reuseable lock rod clamp is secured w/ special key-operated Lock
• Secures one Lock Rod on each Door to a heavy-duty Flat Bar
• Lock Bolt spins and is too short for Bolt Cutters

• When extra security is required
• Easy to fit and lock with minimum slack
• Locking Bushing cannot be cut w/ Bolt Cutters
• Removed by cutting the clamp w/ Power Tool or Torch
• Cannot be bent off w/ Crowbar or split w/ Freon
BOLT SECURITY SEALS
CLASS H, PER ISO 17712
DOMCON, ISO & REEFER CONTAINERS
DRY & REEFER VAN TRAILERS

LIGHT BLUE
WHITE
YELLOW

MODEL 3202-2940-LB
MODEL 3202-2940-WH
MODEL 3202-2940-YE

w/ ANTI-SPIN

CLEARANCE WHEN LOCKED

FITS 7/16" HOLE

PVC COATING ON PIN & BARREL

w/ DIAMOND-STYLE CLIP

ABOVE SHOWN LOCKED

PARTS ATTACHED w/ BREAK-APART TAB

CLASS: H

PACKAGED: 250 / CARTON

WEIGHT EA.: 0.16 LBS / 0.07 Kg

C-TPAT & ISO 17712:2013
Compliant

E-mail: sales@buffersusa.com
PUSH-THROUGH CABLE SEAL

- Self-locking design that allows for size-adjustable loop.
- Serial number printed on body.
- Galvanized, flexible cable.
- Cargo tampering discouraged due to cable that frays when cut.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CLASS</th>
<th>BODY MATERIAL</th>
<th>CABLE DIAMETER Ø</th>
<th>CABLE LENGTH</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>PULL-APART STRENGTH</th>
<th>WEIGHT PER PC.</th>
<th>PCS./BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>3202-6550</td>
<td>I</td>
<td>METAL (green lock)</td>
<td>3/32&quot; 2.5 MM</td>
<td>12&quot; 305 MM</td>
<td>1/2&quot; 19.5 MM</td>
<td>3/4&quot; 27.3 MM</td>
<td>290 LBS</td>
<td>130 Kg</td>
<td>0.08 LBS</td>
<td>500</td>
</tr>
<tr>
<td>3202-6560</td>
<td>I</td>
<td>PLASTIC (white lock)</td>
<td>1/16&quot; 1.6 MM</td>
<td>5/16&quot; 305 MM</td>
<td>1-5/16&quot;</td>
<td>1-1/16&quot;</td>
<td>224 LBS</td>
<td>102 Kg</td>
<td>0.03 LBS</td>
<td>1,000</td>
</tr>
<tr>
<td>3202-6561</td>
<td>I</td>
<td>PLASTIC (white lock)</td>
<td>1/16&quot; 1.6 MM</td>
<td>5/16&quot; 305 MM</td>
<td>1-5/16&quot;</td>
<td>1-1/16&quot;</td>
<td>224 LBS</td>
<td>102 Kg</td>
<td>0.04 LBS</td>
<td>500</td>
</tr>
<tr>
<td>3202-6561-48</td>
<td>I</td>
<td>Aluminum (blue w/ white print)</td>
<td>1/16&quot; 1.6 MM</td>
<td>1-5/16&quot; 319 MM</td>
<td>1-1/16&quot; 27.5 MM</td>
<td>224 LBS</td>
<td>102 Kg</td>
<td>0.08 LBS</td>
<td>0.04 Kg</td>
<td>500</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CLASS</th>
<th>BODY MATERIAL</th>
<th>CABLE DIAMETER Ø</th>
<th>CABLE LENGTH</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>MINIMUM PULL-APART STRENGTH</th>
<th>WEIGHT PER PC.</th>
<th>PCS./BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>3202-6565</td>
<td>H</td>
<td>METAL (blue lock)</td>
<td>9/64&quot; 3.5 MM</td>
<td>12&quot; 305 MM</td>
<td>1-1/32&quot; 7.5 MM</td>
<td>1-1/32&quot; 26 MM</td>
<td>2,755 LBS</td>
<td>1,250 Kg</td>
<td>0.07 LBS</td>
<td>0.03 Kg</td>
</tr>
<tr>
<td>3202-6565-RD</td>
<td>H</td>
<td>METAL (red lock)</td>
<td>9/64&quot; 3.5 MM</td>
<td>12&quot; 305 MM</td>
<td>1-1/32&quot; 7.5 MM</td>
<td>1-1/32&quot; 26 MM</td>
<td>2,755 LBS</td>
<td>1,250 Kg</td>
<td>0.07 LBS</td>
<td>0.03 Kg</td>
</tr>
<tr>
<td>3202-6566-12</td>
<td>H</td>
<td>METAL (blue lock)</td>
<td>13/64&quot; 5 MM</td>
<td>12&quot; 305 MM</td>
<td>1-1/32&quot; 10 MM</td>
<td>1-1/2&quot; 38 MM</td>
<td>3,000 LBS</td>
<td>1,360 Kg</td>
<td>0.14 LBS</td>
<td>0.04 Kg</td>
</tr>
<tr>
<td>3202-6566</td>
<td>H</td>
<td>METAL (blue lock)</td>
<td>13/64&quot; 5 MM</td>
<td>16&quot; 406 MM</td>
<td>1-1/2&quot; 10 MM</td>
<td>1-1/2&quot; 38 MM</td>
<td>3,000 LBS</td>
<td>1,360 Kg</td>
<td>0.23 LBS</td>
<td>0.07 Kg</td>
</tr>
</tbody>
</table>

Buffers USA INC
“The Intermodal Hardware Specialists”

E-mail: sales@buffersusa.com

904-696-0010

3202-3

9/14/23
## PULL-TIGHT, FIXED-LOCK CABLE SEAL

- High-strength, galvanized, flexible cable.
- Serial numbers printed on hex body.
- Many possible variations to secure door rods & latches.
- Corrosion-resistant, poly-coated, metal lock body.

### Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CLASS</th>
<th>BODY MATERIAL</th>
<th>CABLE DIAMETER Ø</th>
<th>CABLE LENGTH</th>
<th>MIN. PULL-APART STRENGTH</th>
<th>WEIGHT PER PC.</th>
<th>PCS./BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>3202-2154</td>
<td>S</td>
<td>METAL</td>
<td>3/16&quot; 4.8 MM</td>
<td>12&quot; 305 MM</td>
<td>680 LBS 310 Kg</td>
<td>0.07 LBS 0.03 Kg</td>
<td>250</td>
</tr>
<tr>
<td>3202-2944</td>
<td>S</td>
<td>METAL</td>
<td>3/16&quot; 4.8 MM</td>
<td>16&quot; 406 MM</td>
<td>680 LBS 310 Kg</td>
<td>0.18 LBS 0.08 Kg</td>
<td>250</td>
</tr>
<tr>
<td>3202-2945</td>
<td>I</td>
<td>METAL</td>
<td>1/16&quot; 1.8 MM</td>
<td>48&quot; 1,219 MM</td>
<td>240 LBS 110 Kg</td>
<td>0.06 LBS 0.03 Kg</td>
<td>300</td>
</tr>
</tbody>
</table>

## PULL-TIGHT, FIXED-LOCK CABLE SEAL

- Heavy-duty, self-locking design w/ flexible cable.
- Sliding lock eliminates any slack between locking points.
- Does not form a loop; designed to lock two or more latches.
- Serial number printed on push-on lock body.

### Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CLASS</th>
<th>BODY MATERIAL</th>
<th>CABLE DIAMETER Ø</th>
<th>CABLE LENGTH</th>
<th>MIN. PULL-APART STRENGTH</th>
<th>WEIGHT PER PC.</th>
<th>PCS./BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>3202-2946</td>
<td>H</td>
<td>METAL</td>
<td>1/4&quot; 6.4 MM</td>
<td>45&quot; 1,143 MM</td>
<td>4,400 LBS 2,000 Kg</td>
<td>0.75 LBS 0.34 Kg</td>
<td>50</td>
</tr>
</tbody>
</table>
**PULL-UP SECURITY SEALS**

**CLASS I, PER ISO 17712**

CONTAINERS: DOMCON, ISO & REEFER, TRAILERS: DRY VAN & REEFER VAN

---

**MODEL 3202-6352**

- **Class:** I
- **Pull-Apart Strength:** 88 LBS / 40 Kg
- **MATERIAL:** PLASTIC
- **COLOR:** RED
- **Packaged:** 1,000 PER CARTON
- **Weight EA. PC.:** 0.011 LBS / 0.005 Kg

---

**MODEL 3202-6352-UPC**

- **Class:** I
- **Pull-Apart Strength:** 44 LBS / 20 Kg
- **MATERIAL:** PLASTIC
- **COLOR:** ORANGE
- **Packaged:** 5,000 PER CARTON (100/bag)
- **Weight EA. PC.:** 0.005 LBS / 0.002 Kg

---

**MODEL 3202-6562**

- **Class:** I
- **Pull-Apart Strength:** 44 LBS / 20 Kg
- **MATERIAL:** PLASTIC
- **COLOR:** ORANGE
- **Packaged:** 1,000 PER CARTON (100/bag)
- **Weight EA. PC.:** 0.005 LBS / 0.002 Kg

---

**MODEL 3202-6563**

- **Class:** I
- **Pull-Apart Strength:** 40 LBS / 18 Kg
- **MATERIAL:** PLASTIC
- **COLOR:** ORANGE
- **Packaged:** 5,000 PER CARTON (100/bag)
- **Weight EA. PC.:** 0.004 LBS / 0.002 Kg

---

**MODEL 3202-6564**

- **Class:** I
- **Pull-Apart Strength:** 88 LBS / 40 Kg
- **MATERIAL:** PLASTIC
- **COLOR:** BABY BLUE
- **Packaged:** 5,000 PER CARTON
- **Weight EA. PC.:** 0.002 LBS / 0.001 Kg

---

**SPECIAL ORDER ONLY**

**w/ BARCODE**

---

**E-mail:** sales@buffersusa.com

---

**BUFFERS USA INC**

"The Intermodal Hardware Specialists"
MODEL 3202-6579

WITH SERIAL NUMBER PRINTED

CLASS: I
PULL-APART STRENGTH: 77 LBS / 35 Kg
MATERIAL: PLASTIC  COLOR: WHITE
PACKAGED: 1,000 PER CARTON
WEIGHT EA. PC.: 0.011 LBS / 0.005 Kg

MODEL 3202-6835

WITH SERIAL NUMBER PRINTED

CLASS: I
PULL-APART STRENGTH: 77 LBS / 35 Kg
MATERIAL: PLASTIC  COLOR: WHITE
PACKAGED: 1,000 PER CARTON
WEIGHT EA. PC.: 0.025 LBS / 0.011 Kg

BUFFERS USA INC
“The Intermodal Hardware Specialists”

E-mail: sales@buffersusa.com

904-696-0010

5/2/23
<table>
<thead>
<tr>
<th>Class: I</th>
<th>Pull-Apart Strength: 135 LBS / 61 Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material: STEEL, ZINC-PLATED</td>
<td>Packaged: 3,000 per carton</td>
</tr>
<tr>
<td>Weight EA. PC.: 0.015 LBS / 0.006 Kg</td>
<td></td>
</tr>
</tbody>
</table>

**Model: 3202-6539**

<table>
<thead>
<tr>
<th>Flat Metal Strap Seal-Type</th>
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</thead>
<tbody>
<tr>
<td>7/8&quot; 22 MM</td>
</tr>
<tr>
<td>7-11/16&quot; 195 MM</td>
</tr>
<tr>
<td>5/16&quot; 7.5 MM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Class: I</th>
<th>Pull-Apart Strength: 216 LBS / 98 Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material: STEEL, ZINC-PLATED</td>
<td>Packaged: 1,000 per carton</td>
</tr>
<tr>
<td>Weight EA. PC.: 0.02 LBS / 0.01 Kg</td>
<td></td>
</tr>
</tbody>
</table>

**Model: 3202-6977**

<table>
<thead>
<tr>
<th>Flat Metal Strap Seal-Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot; 16.4 MM</td>
</tr>
<tr>
<td>8&quot; 203.2 MM</td>
</tr>
<tr>
<td>5/16&quot; 7.9 MM</td>
</tr>
</tbody>
</table>
OUR KING PIN LOCK COVERS THE KING PIN w/ A STEEL TUBE THAT EFFECTIVELY PREVENTS HOOK-UP OF A VAN TRAILER, FLATBED OR CHASSIS TO A TRACTOR.

INSTALLATION IS CLEARLY INDICATED w/ A YELLOW TAG IDENTIFIER.

**WEIGHT:** 3.1 LBS / 1.41 Kg

MODEL 3203-2954-KA
KEYED ALIKE w/o Tag

MODEL 3203-2954-KA-KIT
KEYED ALIKE w/ Tag

**MATERIAL:** STEEL  **FINISH:** YELLOW

**WEIGHT:** 3.2 LBS / 1.45 Kg
## PAGE NUMBERS

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<th>Document Holders:</th>
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<td>Manifest Box</td>
<td>4403-1 to -2</td>
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<tr>
<td>Round &amp; Tube Style Holders</td>
<td></td>
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</tbody>
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| Reefer Drain Assemblies & Components:                                          | 4406-5 to -7  |
| Plug Assemblies                                                                 |               |
| Valve Assemblies                                                                |               |
| Pipe Assemblies                                                                 |               |
| Kazoos & Clamp                                                                  |               |
MODEL 4403-2056-NL
MANIFEST BOX w/ no logo imprint

FOAM GASKET 12 MM

Foam Gasket between Cover Halves

WEIGHT: 1 LB / 0.45 Kg
MOUNTING HOLE FOR 
#8 SCREW x 2 PLACES

STAINLESS STEEL 
RETAINING SPRING

COVER w/ GASKET

STAINLESS STEEL WIRE 
ROPE LANYARD

GRAY WATERPROOF PLASTIC 
DOCUMENT HOLDER BASE

SOLD AS COMPLETE UNIT; 
COVER w/ GASKET ALSO 
SOLD SEPARATELY

PLASTIC DOCUMENT HOLDER FEATURES:
- Waterproof & easy to install.
- Twistlock cover provides easy insertion & removal of documents.
- Transparent cover provides visibility of documents.
- Stainless steel retaining spring secures documents in place.
- Stainless steel wire rope secures cover to document holder base.

MATERIAL/FINISH:
- HOUSING & COVER – HIPS;
- SWAGE SLEEVE, SPRING, WIRE ROPE & SCREWS – STAINLESS STEEL;
- GASKET – EPDM FOAM RUBBER

WEIGHT:
- 4403-6353 WEIGHT: 0.44 LBS / 0.20 Kg
- 4403-6353-2/4 WEIGHT: 0.15 LBS / 0.06 Kg

BOLT-ON DOCUMENT HOLDER

SECTION A-A

DETAIL B

RUBBER END CAP for 4403-6913 Document Holder

NOTE:
1. Punch hole through end-cap sleeve to accommodate for wire rope.
2. Fold end-cap sleeve as shown.
BOTH PLUGS HAVE APPROX. 8” STAINLESS STEEL LANYARD ATTACHED

MODEL 1981-KIT
O.D. 1-5/16” Ø33.34 MM
O.D. 1-1/16” Ø27 MM
WEIGHT: 0.1 LBS (includes Lanyard)

MODEL 1982-KIT
O.D. 1-5/8” Ø41.3 MM
O.D. 1-3/8” Ø34.9 MM
WEIGHT: 0.15 LBS (includes Lanyard)

MODEL 4406-1981-KIT
MODEL 4406-1982-KIT
REEFER DRAIN PLUG ASSEMBLIES

MODEL 4406-6948
DRAIN VALVE ASSEMBLY
O.D. 1-23/32” Ø43.8 MM
1-1/4” Drain Valve
1-3/16” Ø38.6 MM
WEIGHT: 0.13 LBS / 0.06 Kg

MODEL 4406-6949
DRAIN VALVE ASSEMBLY
1-5/8” Drain Valve
1-1/16” Ø33.34 MM
1-3/16” Ø35 MM
3-5/8” 92.4 MM
WEIGHT: 0.16 LBS / 0.07 Kg

MODEL 4406-7529
AUTOMATIC DRAIN VALVE ASSEMBLY
Stainless Steel Chain attached
3-19/32” 91 MM
2-21/32” 67.8 MM
1-17/32” 38.6 MM
WEIGHT: 0.06 LBS / 0.03 Kg

MATERIAL: BLACK RUBBER & PVC
WEIGHT: 0.15 LBS

MATERIAL: BLACK RUBBER & PVC
WEIGHT: 0.1 LBS

MATERIAL: BLACK RUBBER & PVC
WEIGHT: 0.13 LBS / 0.06 Kg

MATERIAL: PE
WEIGHT: 0.06 LBS / 0.03 Kg

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4406-5
3/18/19
**DRAIN PARTS**

**PIPE & VALVE ASSEMBLIES**

REEFER CONTAINERS | REEFER VAN TRAILERS

---

**MODEL 4406-6950**

Kazoo-type Drain Valve
(sold separately)

---

**MODEL 4406-7377-1**

Aluminum Cap

**MODEL 4406-7377-4**

Strainer No. 1, Stainless Steel

**MODEL 4406-7377-3**

Strainer No. 2, Stainless Steel

**MODEL 4406-7377-2**

PVC Drain Pipe

**WEIGHT:** 0.46 LBS / 0.21 Kg

---

**MODEL 4406-7374**

PVC Drain Pipe 6"

**WEIGHT:** 0.37 LBS / 0.17 Kg

---

**MODEL 4406-7377-KIT**

3-1/2" DRAIN PIPE ASSEMBLY
ONLY SOLD AS COMPLETE KIT

**MODEL 4406-7374-KIT**

6" DRAIN PIPE ASSEMBLY
ONLY SOLD AS COMPLETE KIT

---

**MODEL 4406-7373-KIT**

DRAIN VALVE, AUTOMATIC
SELF-CLOSING

---

**4406-7377-1**

Inner Housing, Aluminum

**4406-7377-2**

Outer Housing w/ Flange, PVC

**WEIGHT:** 0.31 LBS / 0.14 Kg

---

**3/18/19**

---

4406

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E-mail: sales@buffersusa.com
**Model 4406-6753**

KAZOO

Fits drain pipes with:
- O.D. 1-5/8" / Ø41 MM
- I.D. Ø41 MM 3-1/8" 80 MM
- O.D. 1-3/4" Ø45 MM

**Sub For:** CIMC 09-006-8, BL-A04-E0

**Fits:** CIMC

**Material:** Black Rubber

**Weight:** 0.06 LBS / 0.03 Kg

---

**Model 4406-6769**

Hose clamp for Kazoos & Valves

**Minimum Clamp Diameter:** 1-1/4"

**Maximum Clamp Diameter:** 2-1/4"

**Band Width:** 1/2"

**Band Thickness:** 1/64"

**Screw Size:** 5/16" Hex

**Material:** Stainless Steel

**Finish:** Self-Color

**Weight:** 0.05 LBS / 0.02 Kg

---

**Model 4406-6950**

KAZOO

Fits drain pipes with:
- O.D. 1-5/16" / Ø33.5 MM
- I.D. Ø33.5 MM 3-1/8" 80 MM
- O.D. 1-7/8" Ø47.5 MM

**Fits:** Vanguard

**Material:** Black Rubber

**Weight:** 0.03 LBS / 0.013 Kg

---

**Model 4406-7708**

Combo Kazoo

Fits drain pipes with:
- O.D. 1-1/2" / 38 MM
- 1-5/8" / 41 MM
- 1-3/4" / 44 MM

**Easy to cut to required size**

**Sub For:** CIMC 09-006-1

**Material:** Black Rubber

**Weight:** 0.04 LBS / 0.018 Kg
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### RUBBER PRODUCTS

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<td>WHEEL CHOCKS (Black Rubber / SBR)</td>
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</tbody>
</table>
MODEL 4502-1245
Trailmobile style
w/ Steel Washers

SUB FOR: GLOBETECH GT-2042
TRAMAC 30039
MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 1.48 LBS / 0.67 Kg

MODEL 4502-1256
Utility style
w/ Steel Washers

SUB FOR:
GLOBETECH GT-UTM 053
MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 5.1 LBS / 2.31 Kg

MODEL 4502-1267
Trailmobile style
w/ Steel Washers

SUB FOR:
FLEET ENGINEERS 022-01409
GLOBETECH GT-2044
TRAMAC 30037
MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 2.31 LBS / 1.05 Kg

MODEL 4502-1276
Dole style
w/ Steel Washers

SUB FOR: GLOBETECH GT-2006
MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 2.39 LBS / 1.08 Kg
RUBBER DOCK BUMPERS
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 4502-1277
Wabash style

SUB FOR: GLOBETECH GT-2036, TRAMAC 30036
MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 5.74 LBS / 2.6 Kg

MODEL 4502-1278
NOTE: Similar to 4502-1393 (see below).

SUB FOR: GLOBETECH GT-2045, TRAMAC 30067
MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 5.31 LBS / 2.41 Kg

MODEL 4502-1393
NOTE: Similar to 4502-1278 (see above).

MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 5.6 LBS / 2.54 Kg

MODEL 4502-1735
Trailmobile style

SUB FOR: GLOBETECH GT-2027, TRAMAC 30027
MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 4.48 LBS / 2.03 Kg

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10/24/23
RUBBER DOCK BUMPERS
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

**Model 4502-6306**
- Material: Rubber (SBR)
- Color: Black
- Weight: 2.38 LBS / 1.08 Kg

**Model 4502-6305**
- Material: Rubber (SBR)
- Color: Black
- Weight: 1.4 LBS / 0.6 Kg

**Model 4502-6306 Trailmobile style**
- Sub For: Globetech GT-2043, Tramac 30038
- Material: Rubber (SBR)
- Color: Black
- Weight: 3.09 LBS / 1.4 Kg

**Model 4502-6385**
- Material: Rubber (SBR)
- Color: Black
- Weight: 5.4 LBS / 2.45 Kg

**Model 4502-8633**
- Material: Rubber (SBR)
- Color: Black
- Weight: 1.4 LBS / 0.6 Kg

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BUFFERS USA INC
“The Intermodal Hardware Specialists”
WHEEL CHOCS
CHASSIS & TRAILERS:
AUTO / DRY VAN / FLATBED / REEFER VAN

MODEL 4502-1521
w/ Steel Eye Bolt

Anti-skid grip grooves on bottom

MODEL 4502-8393
SINGLE WHEEL CHOCK
w/ Steel Eye Bolt

SUB FOR: GLOBETECH GT-2055
MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 9.9 LBS / 4.49 Kg

MATERIAL: RUBBER (SBR)
COLOR: BLACK
WEIGHT: 10.2 LBS / 4.63 Kg

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“The Intermodal Hardware Specialists”
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<th>Page Number</th>
<th>Description</th>
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<tr>
<td>6101-3</td>
<td>HORIZONTAL PULL LUG</td>
</tr>
<tr>
<td>6109-1</td>
<td>CHASSIS/TRAILER STAND</td>
</tr>
</tbody>
</table>
FOR PULLING CONTAINERS ONTO TILT BEDS.
NOT FOR LIFTING.

1. INSERT INTO SMALL, OVAL-SHAPED HOLE IN FRONT SIDE OF BOTTOM CORNER CASTING. THE LUG IS DESIGNED FOR USE IN THIS HOLE ONLY.
2. PUSH IN UNTIL ROUND FLANGE MEETS THE CASTING WALL.
3. TURN EITHER 90° CLOCKWISE OR COUNTER-CLOCKWISE, WHICH DEPRESSES THE SMALL PUSHBUTTON.
4. AFTER TURNING THE LUG 90°, PULL THE LUG OUTWARDS UNTIL PUSHBUTTON POPS OUT.

WITH THE PUSHBUTTON IN THIS POSITION, THE LUG CANNOT FALL BACK INTO THE CASTING AND ACCIDENTALLY PULL OUT.

MATERIAL: FORGED STEEL
FINISH: GALVANIZED
WEIGHT: 3.6 LBS / 1.63 Kg

MIN. BREAK STRENGTH: 10,000 LBS
Heavy-duty construction that supports the front end of Trailers and Chassis on RO-RO ships and repair shops. Easy to move around on Spring-loaded Wheels when unloaded.

**MAX. WORKING LOAD:**
50,000 LBS / 22,680 Kg

**MATERIAL:** STEEL w/ P.T. WOOD LANDING SURFACE

**FINISH:** HOT-DIP GALVANIZED

**WEIGHT:** 354 LBS / 160.5 Kg
QUALITY TRAILER PRODUCTS WHEN AND WHERE YOU NEED THEM, FROM A NETWORK OF ALWAYS-IN STOCK DISTRIBUTION CENTERS

More About Buffers USA, Inc.

Established in 1989, Buffers USA designs, manufactures and distributes products for the international intermodal transportation industry. Today, we offer more than 6,500 part numbers and carry over 2.5 million parts at any given time in our four warehouses across the United States.

Buffers USA product lines include ship lashing, container, trailer and chassis parts, chassis twistlocks and pinlocks, cargo control for trucks and flatbeds, thermal bulkheads, anti-theft products for containers, and packaging and cargo handling products for warehouse operations. Our innovative desiccant and moisture control products help further protect cargo and packaging inside shipping containers.