

2026 CATALOG

D. A. INTERNATIONAL CASTING CO.

Your Link to the International Market
Rail Car Division





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“Our philosophy has always been ‘No job is ever too small,’ and we stand by that today, 29+ years later.” -

**D.A.Kerrigan
CEO/President**

In 1996, David Alan Kerrigan founded D.A. International Casting Company. He started with nothing more than a vision of a successful casting business, a dedication to customer service, and a small rented space in central Ohio. With a couple of sand casting samples, and one potential customer, David began his quest to forge his way in the casting industry.

Today, D.A. International Casting Company has grown to serve over 800 customers and stocks over 1,100 different products—including an extensive supply of railcar replacement parts. David attributes part of this success to the purchase of Wine Railcar from Racine Steel. Since 1903, Wine Railcar has provided top quality castings to the railroad industry.

Over the years, D.A. has expanded their products to include premium investment castings, forgings, stampings and fabrications. This extensive inventory allows the company to now accommodate multiple markets, such as the railroad industry, mass transit, agriculture, heavy trucking, mining and telecommunication.

Visit D.A. International Casting Company’s state of the art 100,000 square-foot facility in Mansfield, Ohio, full of OEM and custom stock. See for yourself why we are an industry leader that is excited to meet your company’s specific needs.

QUALITY POLICY

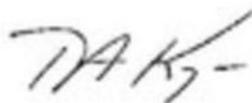
Quality at DA International Casting Company is a fundamental business commitment.

Our goal is to become the best in the international marketplace in which we participate.

We are committed to providing our customers with the highest quality products and services, on time, at the best possible value.

It is DA International Casting Company's policy for all DA personnel to meet and exceed the requirements stated in our Quality Manual;

**Quality Products, Backed By Quality Service
& a Commitment to Excellence!**



David A Kerrigan
President / CEO

The management of D. A. International Casting Company has formulated this policy. The policy is understood, maintained and implemented at all levels of the organization. Its focus is D. A. International Casting Company's organizational goals and the expectations and the needs of our customers. The policy is explained and discussed at general orientation training given to all existing and new employees. The policy is also posted in conspicuous locations throughout the company.

Meet Our Team



David Kerrigan
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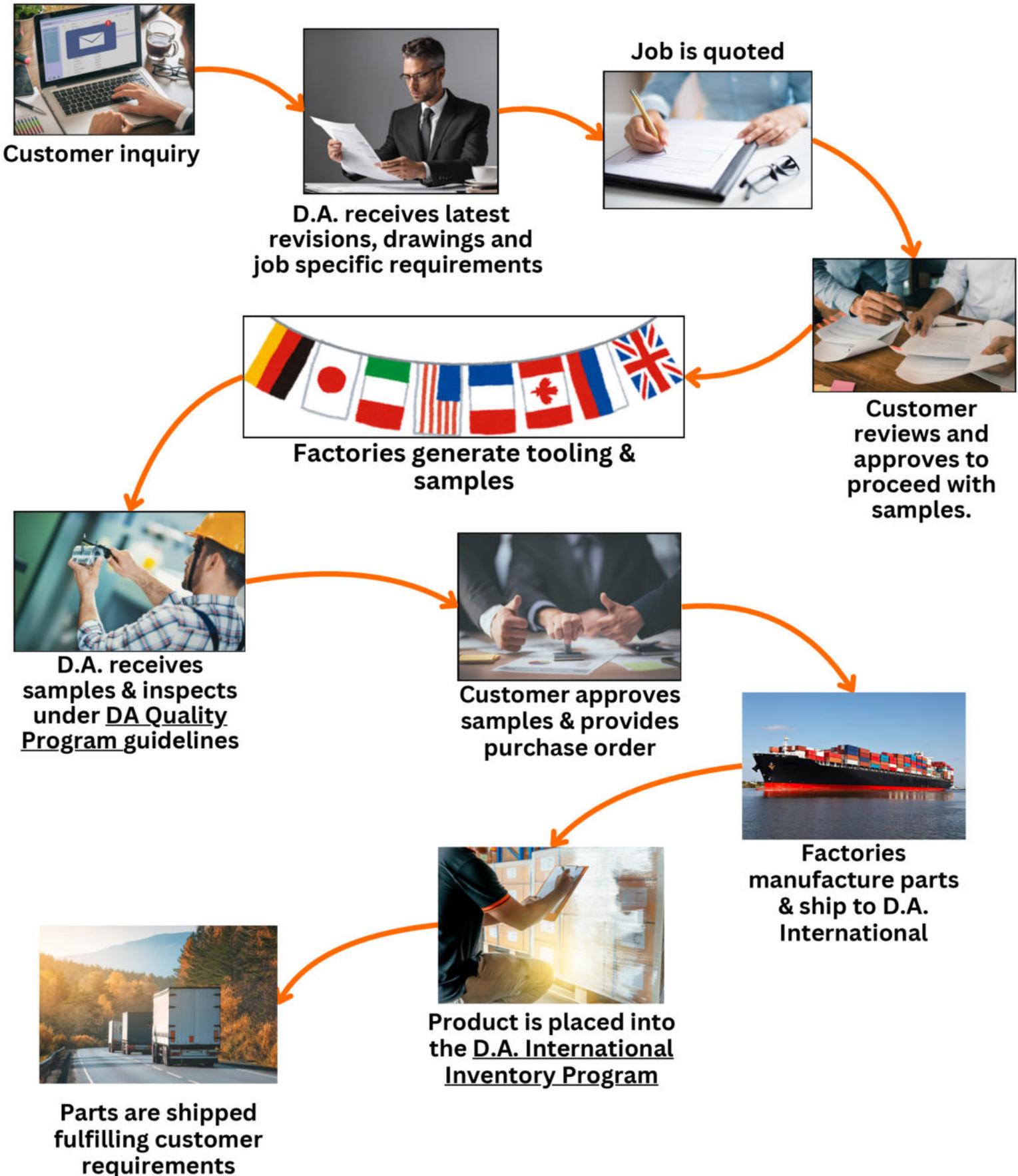


Heather Kerrigan
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Mark Carifa
Independent Consultant
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Flow Chart



**Qualified Customers are placed in a D.A. International Inventory Program*
-On time delivery while maintaining customer inventory-*

Compressed Spring Assist Parts

We now offer pre-compressed spring assist assemblies specifically designed for rapid discharge open top hopper cars.

Key Benefits:

- Convenience: Our spring assemblies come pre-pinned and ready for immediate application, significantly simplifying the installation process.
- Time-Saving: Customers will experience a faster and more efficient setup, allowing for quicker deployment of railcars.

Compressed Spring Assist #1



| D.A. Pt # | Alt Pt # | Description |
|-----------|-----------|----------------------------------|
| DA-50066 | 093-40047 | Bracket Cap for Spring Guide |
| DA-09048 | 50067 | Spring Guide and Stop |
| DA-50038 | 131-40121 | Spring for Spring Assist (White) |
| DA-14123 | 131-40123 | Spring for Spring Assist (Green) |

Compressed Spring Assist #2



| D.A. Pt # | Alt Pt # | Description |
|-----------|-----------|----------------------------------|
| DA-50039 | 093-40028 | Spring Guide |
| DA-50034 | 50034 | Spring Guide Adjustment Plate |
| DA-50038 | 131-40121 | Spring for Spring Assist (White) |
| DA-14123 | 131-40123 | Spring for Spring Assist (Green) |

Spring Assist Parts



Spring Assist #1

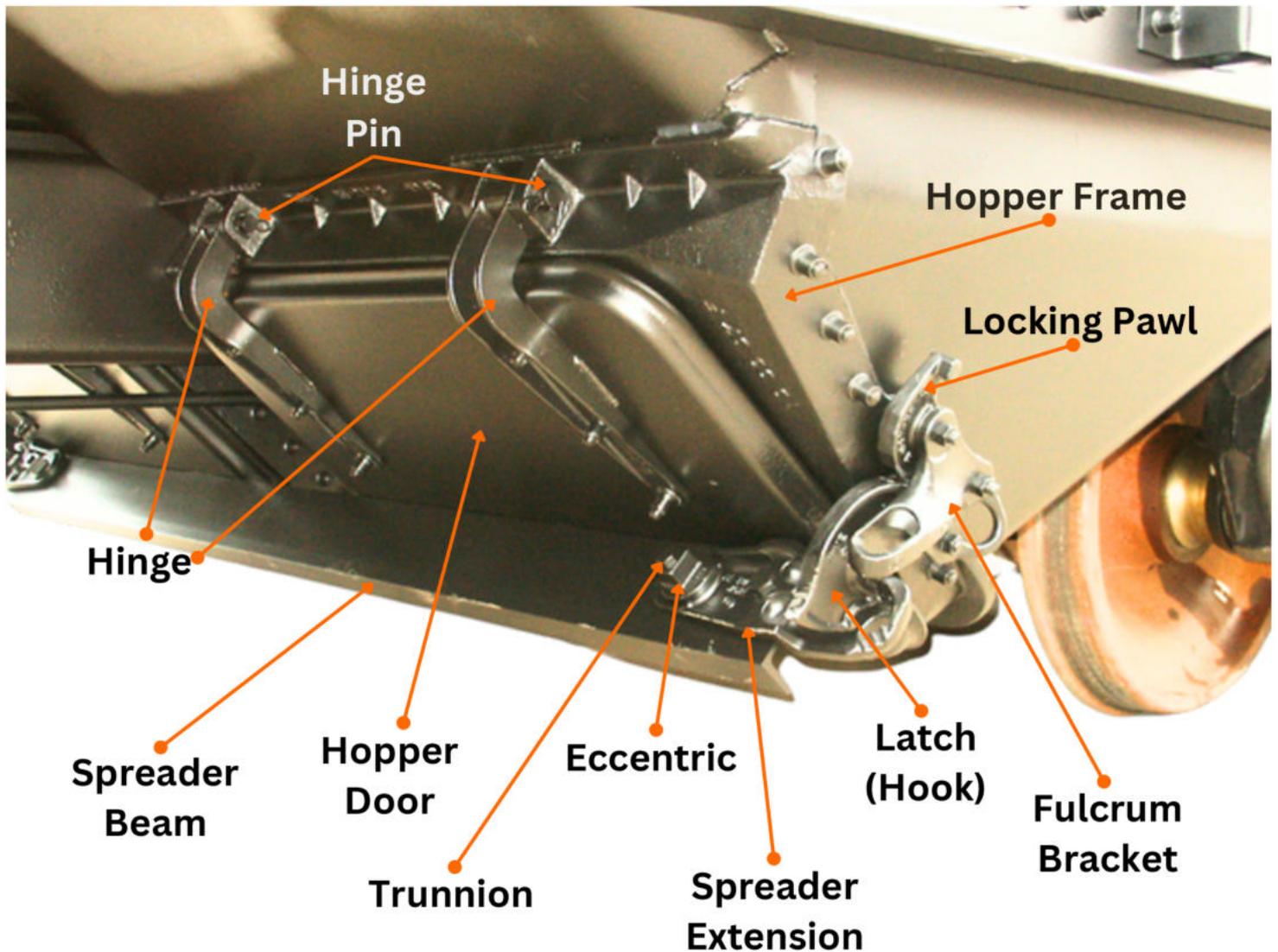
| D.A. Pt # | Alt Pt # | Description | Pg # |
|-----------|-------------|--------------------------|------|
| DA-09048 | 093-40048 | Spring Guide Stop | 66 |
| DA-50066 | 093-40047 | Spring Guide Bracket Cap | 66 |
| DA-50068 | 093-40049 | Eccentric Nut | 41 |
| DA-50069 | 093-40050 | Spring Assembly Bracket | 65 |
| DA-50070 | 093-40051 | Lug for Spring Assist | 57 |
| DA-50090 | MB-253-5090 | Headed Pin | 43 |



Spring Assist #2

| D.A. Pt # | Alt Pt # | Description | Pg # |
|-----------|-----------|-------------------------|------|
| DA-50030 | 093-40030 | Spring Fulcrum | 42 |
| DA-50034 | 093-40026 | Spring Adjustment Plate | 65 |
| DA-50039 | 093-40028 | Spring Guide | 65 |
| DA-50040 | 093-40029 | Spring Guide Bracket | 65 |
| DA-12545 | DA-11746 | Hinge Pin | 43 |

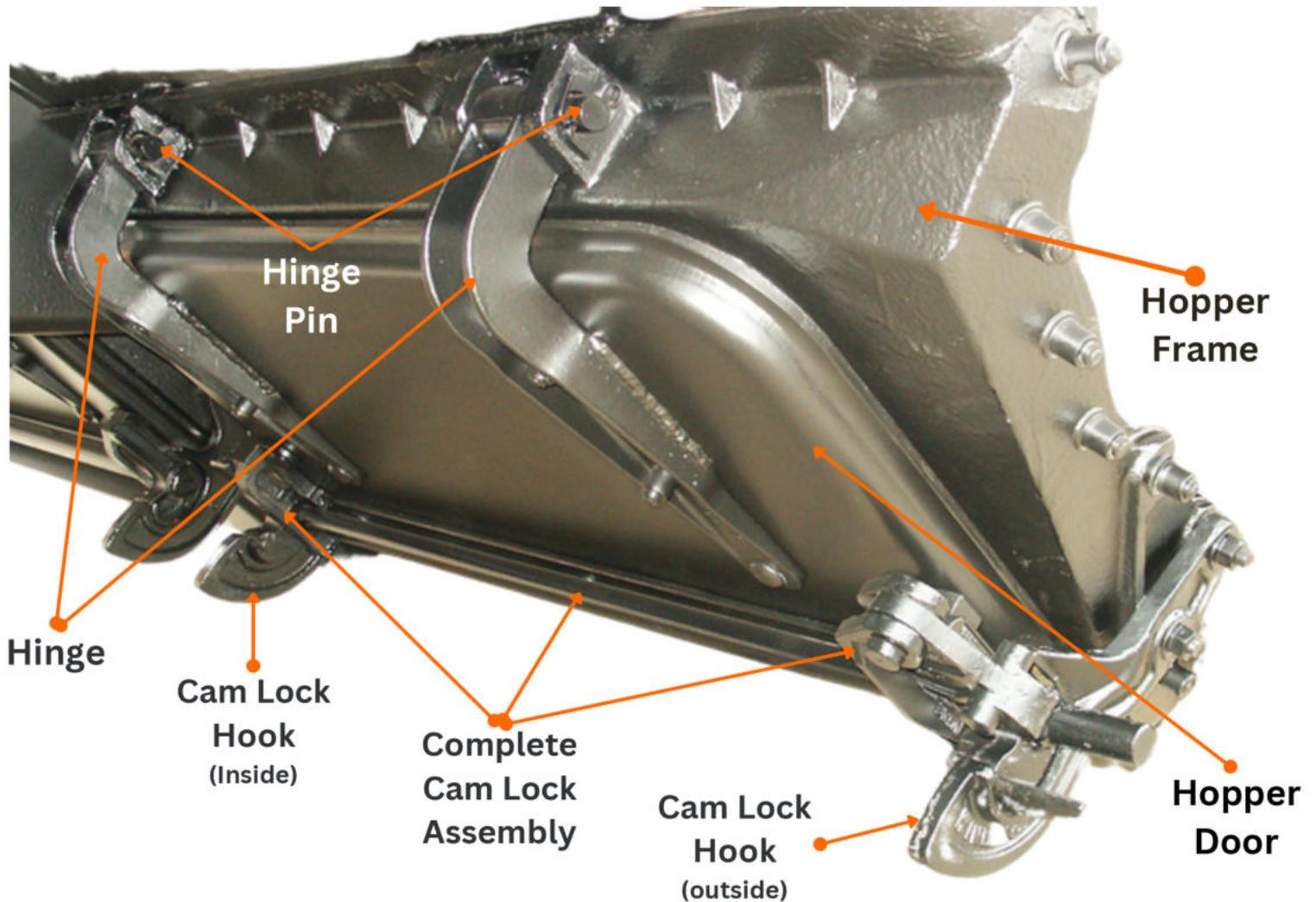
Wine Double Adjustable Locks



Complete Assembly Includes

- | | |
|-----------------------------------|-----------------------|
| 1 - Hopper Frame | 1- Spreader Extension |
| 1 - Hopper Door (carbon or steel) | 1 - Locking Pawl |
| 2 - Universal Hinges | 1- Fulcrum Bracket |
| 2 - Hinge Pins | 1 - Latch (Hook) |
| 1 - Adjustable Eccentric | 1 - Trunnion |
| 1 - Spreader Beam | |

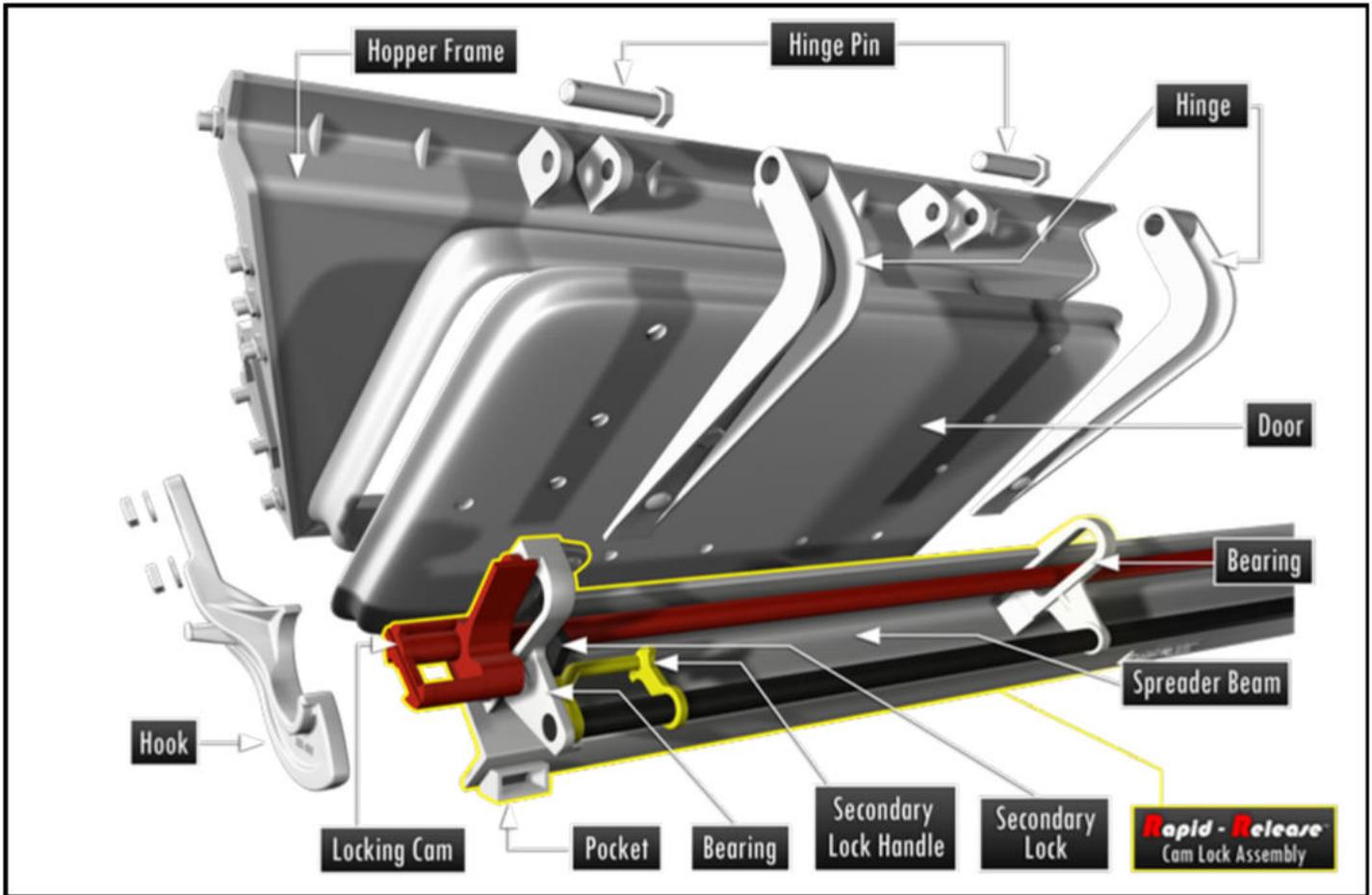
Wine Single Door Cam Lock



Complete Assembly Includes

- 1 - Hopper Frame
- 1 - Hopper Door
- 2 - Universal Hinges
- 2 - Hinge Pins
- 1 - Cam Lock Hook
- 1 - Cam Lock Assembly

Rapid - Release™



| Door Size | Floor Slope | Hopper Frame P/N | Left Hook | Right Hook | RR Cam Lock Assembly P/N |
|-----------|-------------|------------------|--------------------|--------------------|--------------------------|
| Narrow | 30 degree | HF-259/216 | DA-00611, RR-611-L | DA-00612, RR-611-R | DA-00640-1 |
| Wide | 30 degree | HF-212 | DA-00651, RR-651-L | DA-00652, RR-651-R | DA-00642-1 |
| Wide | 45 degree | HF-238 | DA-00659, RR-659-L | DA-00660, RR-659-R | DA-00642-1 |

Rapid - Release™ is D. A. International Casting Company's most advanced WINE manual door lock system and it offers the following advantages:

- Designed using the same technology as the proven single door cam lock system, but requires fewer parts than that of a pair of single door cam locks.
- One person can operate a pair of hopper doors from either side of the rail car.
- Easy to install on new or existing conventional hopper cars.
- Built WINE tough and features dual outboard hooks to help support the commodity more evenly.
- This patented design features over-center locking cams which are self locking when the car is loaded.
- A secondary lock is built in for added safety and as a provision to operate in rotary dump service.

Monoloc Door Lock Parts



DA Pt # DA-11007
Alt Pt # OPC-117
Description:
Latch Lug



DA Pt # DA-12200
Alt Pt # OPC-122
Description:
Bar Socket



DA Pt # DA-11900
Alt Pt # OPC-119
Description:
Eccentric



DA Pt # DA-11008
Alt Pt # OPC-118
Description:
Center Bearing



DA Pt # DA-12100
Alt Pt # OPC-121
Description:
Latch



DA Pt # DA-12000
Alt Pt # OPC-120
Description:
Outer Bearing



DA Pt # DA-00000
Alt Pt # 00000
Description:
Wine Railcar Products



DA Pt # DA-12003
Alt Pt # OPC-123
Description:
Locking Lever



DA Pt # DA-00000
Alt Pt # 000000
Description:
Wine Railcar Products



DA Pt # DA-61272
Alt Pt # 2CH-642-A
Description:
Bearing



DA Pt # DA-63282
Alt Pt # 2CH-642-B
Description:
Bearing



DA Pt # DA-14504
Alt Pt # CL-4-A
Description:
Bearing



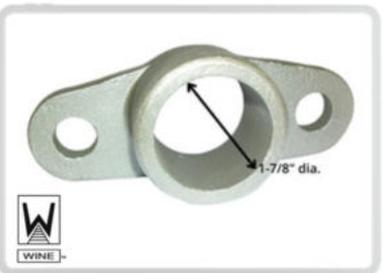
DA Pt # DA-14514
Alt Pt # CL-4-B
Description:
Bearing



DA Pt # DA-13413
Alt Pt # CL-3-A
Description:
Bearing



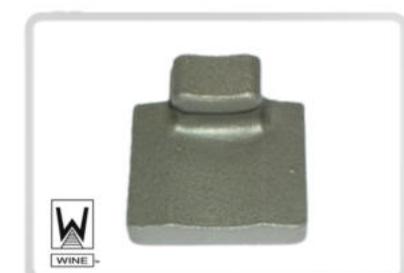
DA Pt # DA-13423
Alt Pt # CL-3-B
Description:
Bearing



DA Pt # DA-23108
Alt Pt # 2CH-258
Description: 1-7/8" dia.
Bearing



DA Pt # DA-00648
Alt Pt # DA-648
Description: Bearing
Block



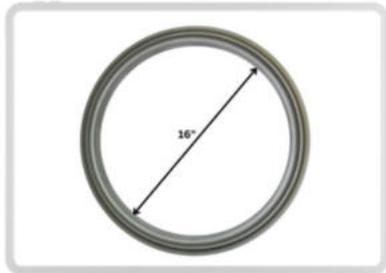
DA Pt # DA-43433
Alt Pt # PK-433
Description:
Bearing Block



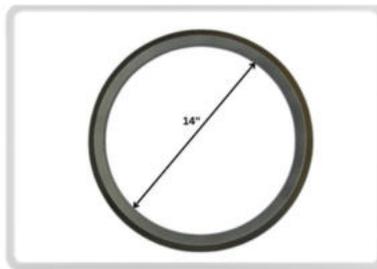
DA Pt # DA-53619
Alt Pt # DA-000619
Description:
Bell Crank, AAR 55



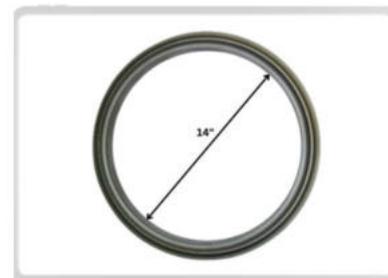
DA Pt # DA-53850
Alt Pt # 00850
Description:
Bell Crank, AAR 66



DA Pt # DA-03711
Alt Pt # DA-3709-160
Description: 16"
Bolster Rim Replacement



DA Pt # DA-03654
Alt Pt # DA-3654-140
Description: 14"
Bolster Rim Replacement



DA Pt # DA-03710
Alt Pt # DA-3709-141
Description: 14"
Bolster Rim Replacement



DA Pt # DA-43514
Alt Pt # MC-514
Description:
Bushing



DA Pt # DA-18176
Alt Pt # PK-176-A
Description:
Bracket



DA Pt # DA-18276
Alt Pt # PK-176-B
Description:
Bracket



DA Pt # DA-30341
Alt Pt # PK-341-A
Description:
Bracket



DA Pt # DA-31341
Alt Pt # PK-341-B
Description:
Bracket



DA Pt # DA-45482
Alt Pt # PK-482-A
Description:
Bracket



DA Pt # DA-46482
Alt Pt # PK-482-B
Description:
Bracket



DA Pt # DA-48234
Alt Pt # PK-482-A-34
Description: Fulcrum
Bracket



DA Pt # DA-48334
Alt Pt # PK-482-B-34
Description: Fulcrum
Bracket



DA Pt # DA-42467
Alt Pt # MC-467
Description:
Bracket, Eyebolt Bracket



DA Pt # DA-43511
Alt Pt # MC-511
Description:
Eyebolt Bracket



DA Pt # DA-17012
Alt Pt # CL-2-A
Description: RH
Cam Lock (In)



DA Pt # DA-17023
Alt Pt # CL-2-B
Description: LH
Cam Lock (In)



DA Pt # DA-17111
Alt Pt # CL-1-B
Description: RH
Cam Lock (Out)



DA Pt # 17011
Alt Pt # CL-1-A
Description: LH
Cam Lock (out)



DA Pt # DA-10001
Alt Pt # CL-1-B-1
Description: RH
Cam Lock (out)



DA Pt # DA-10011
Alt Pt # CL-1-A-1
Description: LH
Cam Lock (out)



DA Pt # DA-41511
Alt Pt # 4CL-15-1
Description: Short
Cam Lock Assembly - LH



DA Pt # DA-41611
Alt Pt # 4CL-16-1
Description: Short
Cam Lock Assembly - RH



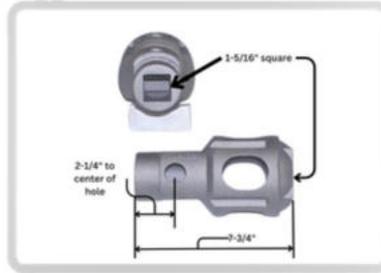
DA Pt # DA-41512
Alt Pt # 4CL-15-2
Description: Long
Cam Lock Assembly - LH



DA Pt # DA-41612
Alt Pt # 4CL-16-2
Description: Long
Cam Lock Assembly - RH



DA Pt # DA-65005
Alt Pt # GM165005
Description:
Capstan



DA Pt # DA-42391
Alt Pt # DA-4081
Description:
Capstan



DA Pt # DA-25690
Alt Pt # OVPA-2569
Description:
Capstan



DA Pt # DA-10080
Alt Pt # E-10080
Description:
Capstan



DA Pt # DA-16298
Alt Pt # 16298
Description:
Capstan



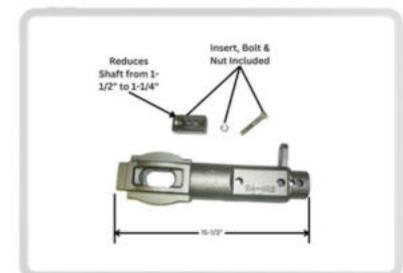
DA Pt # DA-08843
Alt Pt # E-8843
Description:
Capstan



DA Pt # DA-43413
Alt Pt # DA-403
Description:
Capstan



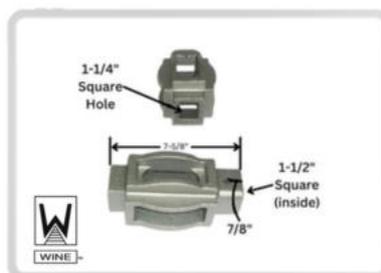
DA Pt # DA-00158
Alt Pt # 530-0158
Description:
Capstan Casting



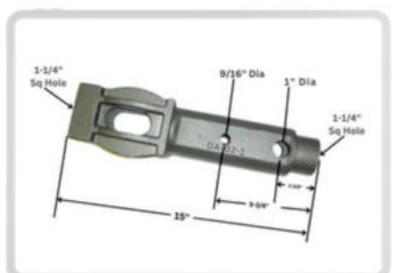
DA Pt # DA-41902
Alt Pt # DA-402
Description: Long
Capstan, Universal,



DA Pt # DA-41890
Alt Pt # DA-400
Description: Short
Capstan, Universal



DA Pt # DA-01211
Alt Pt # 2CH-121
Description:
Capstan - Outlet Gate



DA Pt # DA-41931
Alt Pt # DA-402-1
Description:
Capstan, Long



DA Pt # DA-33633
Alt Pt # FD-3063
Description:
Capstan



DA Pt # DA-33142
Alt Pt # 2CH-322
Description:
Capstan Lock



DA Pt # DA-91701
Alt Pt # D965361-2
Description:
Capstan Reinforcement



DA Pt # DA-31513
Alt Pt # MC-410
Description: Dead Lever
Clevis Bracket



DA Pt # DA-05272
Alt Pt # 10305-272
Description:
Clevis, Slotted Cylinder



DA Pt # DA-05032
Alt Pt # 10305-032
Description:
Connector-Operating
Beam



DA Pt # DA-43431
Alt Pt # DA-404-1
Description:
Conversion Kit - 61"



DA Pt # DA-41424
Alt Pt # DA-404
Description:
Conversion Kit - 66"



DA Pt # DA-41518
Alt Pt # DA-700
Description:
Corner Cap



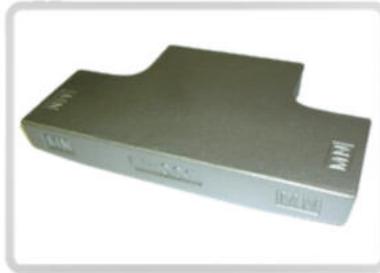
DA Pt # DA-41517
Alt Pt # MC-477
Description:
Corner Cap



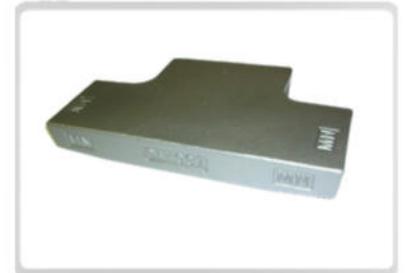
DA Pt # DA-70100
Alt Pt # 70100
Description:
Corner Cap Forging

MORE ITEMS AT
dacasting.com

DA Pt # DA-00000
Alt Pt # 000000
Description:
Wine Railcar Products



DA Pt # DA-32580
Alt Pt # 3799
Description: 9/32" Thick
Coupler Carrier Wear Plate



DA Pt # DA-32581
Alt Pt # 3258
Description: 15/32" Thick
Coupler Carrier Wear Plate



DA Pt # DA-40406
Alt Pt # MC-406
Description:
Crossridge Foot Brace



DA Pt # DA-40900
Alt Pt # MC-409
Description:
Crossridge Foot Brace



DA Pt # DA-05219
Alt Pt # 10305-219
Description:
Door Mechanism Casting



DA Pt # DA-50037
Alt Pt # 5050037
Description:
Door Stop



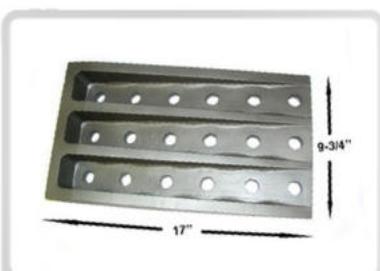
DA Pt # DA-00850-1
Alt Pt # 1009688
Description:
Draft Key Retainer Keeper



DA Pt # DA-00850-2
Alt Pt # 1009899
Description:
Draft Key Retainer

MORE ITEMS AT
dacasting.com

DA Pt # DA-00000
Alt Pt # 000000
Description:
Wine Railcar Products



DA Pt # DA-10028
Alt Pt # CB-128
Description:
Draft Lug, Rear

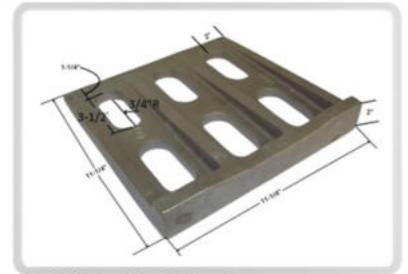




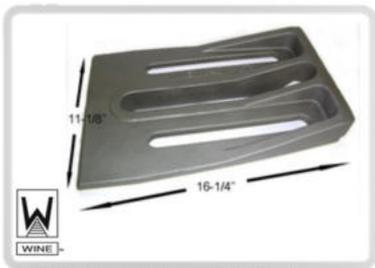
DA Pt # DA-07800
Alt Pt # 70754520
Description:
 Draft Lug - Front



DA Pt # DA-07481
Alt Pt # 107481-01
Description:
 Draft Lug, Front, Forging



DA Pt # DA-81777
Alt Pt # 578106-0
Description:
 Draft Lug - Front



DA Pt # DA-45461
Alt Pt # 2MC-461
Description:
 Draft Lug - Front



DA Pt # DA-53704
Alt Pt # 70653716
Description:
 Draft Lug, Forging, Rear



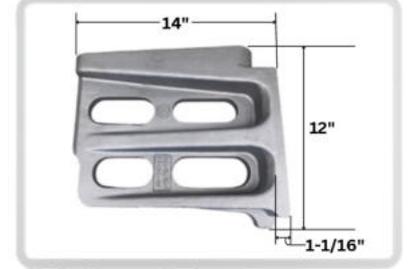
DA Pt # DA-53705
Alt Pt # 70653717
Description:
 Draft Lug, Forging, Rear



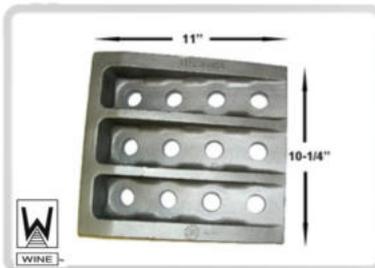
DA Pt # DA-09462
Alt Pt # 09462
Description:
 Draft Lug, Rear, Forging



DA Pt # DA-15155
Alt Pt # 50154-L
Description:
 Draft Lug, Rear, LH



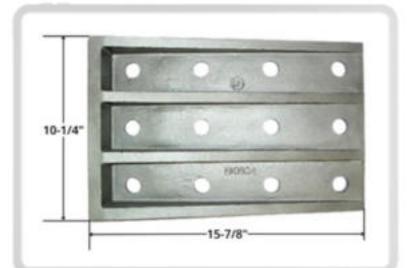
DA Pt # DA-15154
Alt Pt # 50154-R
Description:
 Draft Lug, Rear, RH



DA Pt # DA-32220
Alt Pt # CB-220
Description:
 Draft Lug



DA Pt # DA-90346
Alt Pt # B-9346
Description:
 Draft Lug, Rear



DA Pt # DA-18004
Alt Pt # B-10804
Description:
 Draft Lug, Rear



DA Pt # DA-49090
Alt Pt # DA-490-L
Description: Door Gate Complete - LH



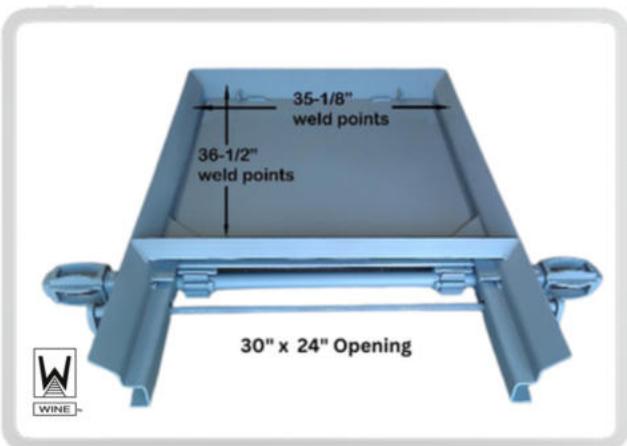
DA Pt # DA-49091
Alt Pt # DA-490-R
Description: Door Gate Complete - RH



DA Pt # DA-43388
Alt Pt # 4CH-418-LH
Description: Door Gate Complete



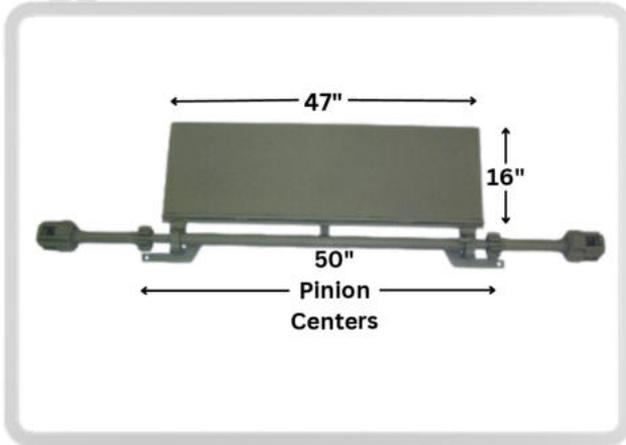
DA Pt # DA-43398
Alt Pt # 4CH-418-RH
Description: Door Gate Complete



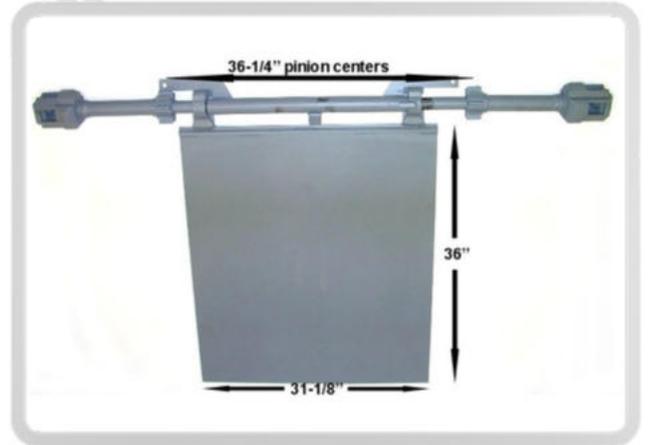
DA Pt # DA-42387
Alt Pt # 4CH-257
Description: Door Gate Complete



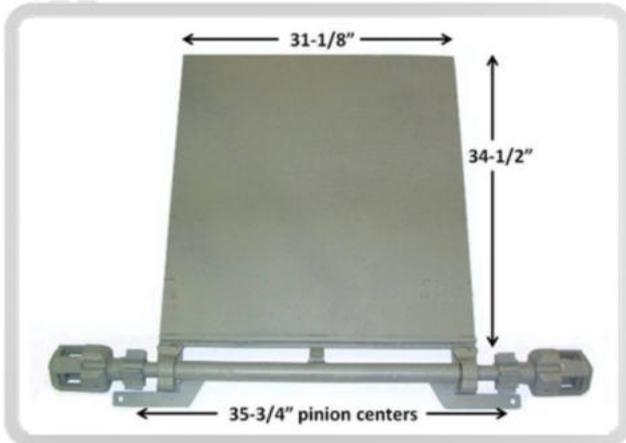
DA Pt # DA-63401
Alt Pt # 4CH-641
Description: Door Gate Complete



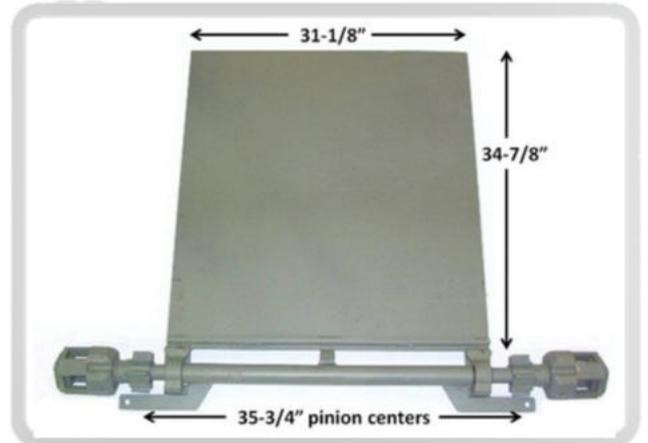
DA Pt # DA-71106
Alt Pt # 3000280
Description: Door Slide Assembly



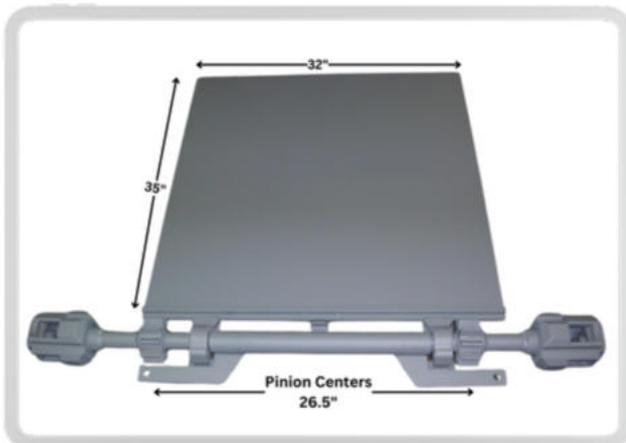
DA Pt # DA-71131
Alt Pt # 71131
Description: Door Slide Assembly



DA Pt # DA-71132
Alt Pt # 71132
Description: Door Slide Assembly

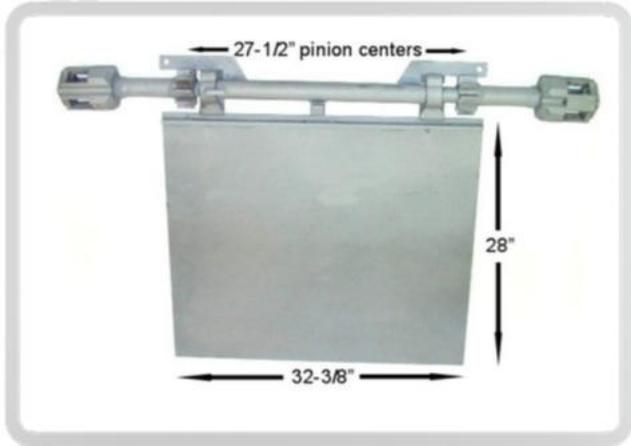


DA Pt # DA-71132-SP
Alt Pt # 71132SP
Description: Door Slide Assembly

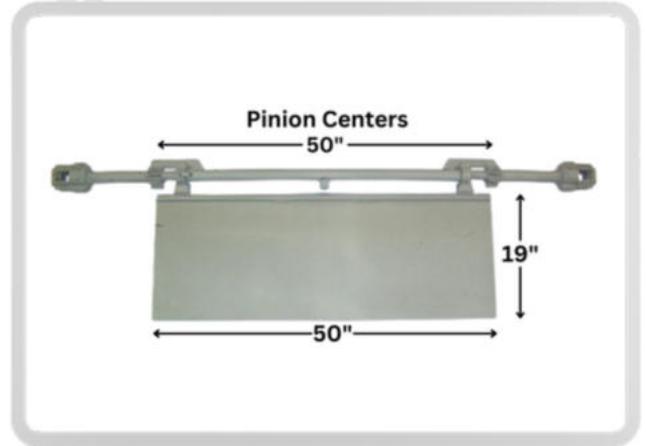


DA Pt # DA-71133
Alt Pt # 71133
Description: Door Slide Assembly

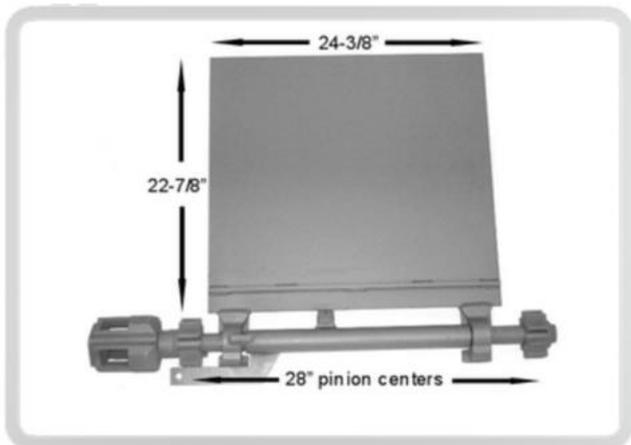




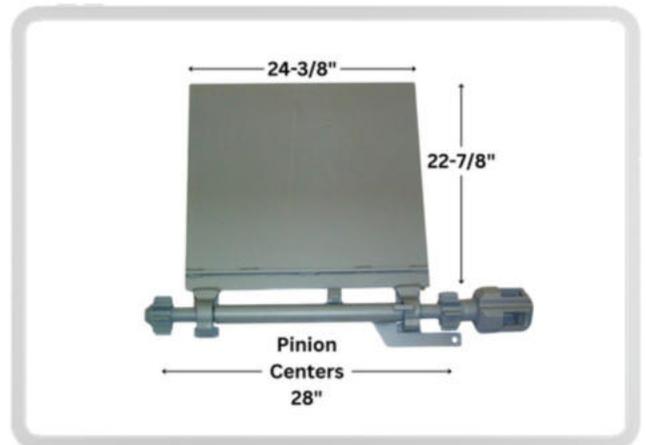
DA Pt # DA-71140
Alt Pt # 71140
Description: Door Slide Assembly



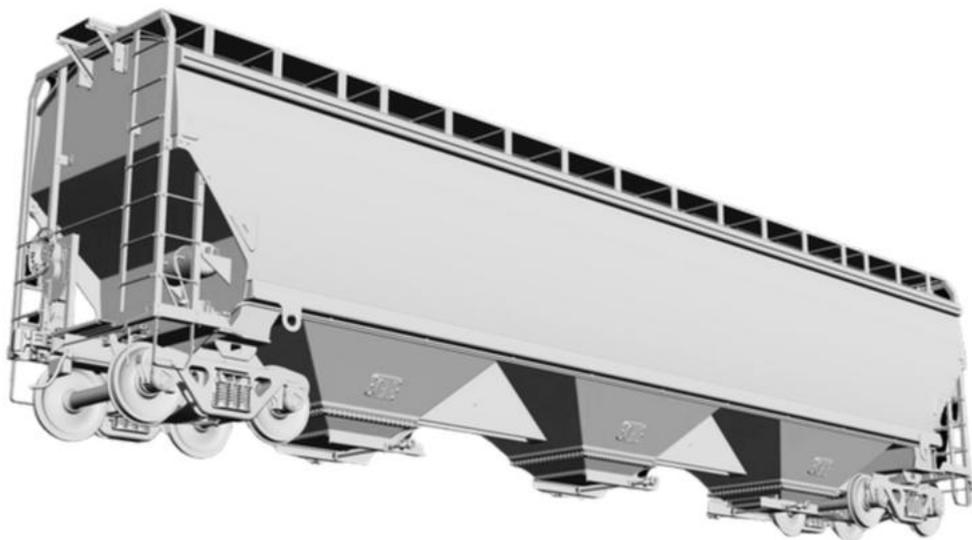
DA Pt # DA-71150
Alt Pt # 71150
Description: Door Slide Assembly

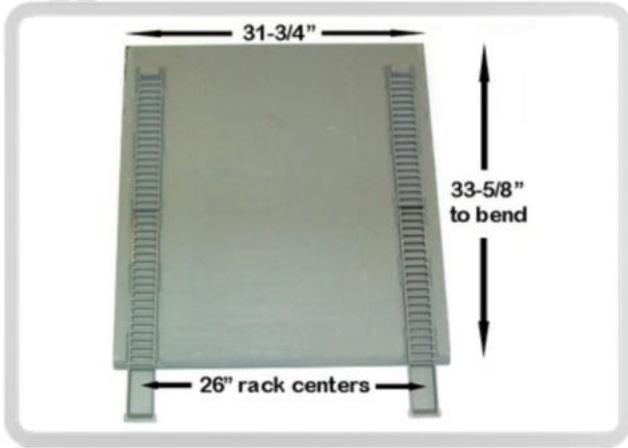


DA Pt # DA-74510
Alt Pt # 74510
Description: Door Slide Assembly - LH

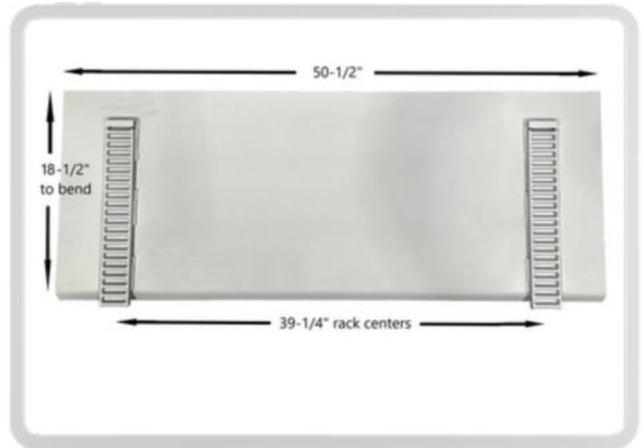


DA Pt # DA-74520
Alt Pt # 74520
Description: Door Slide Assembly - RH

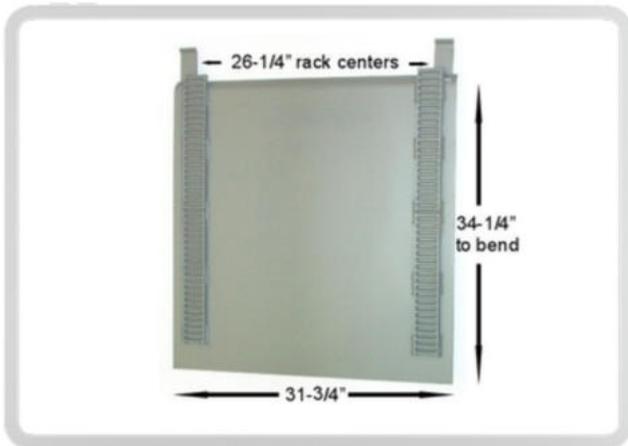




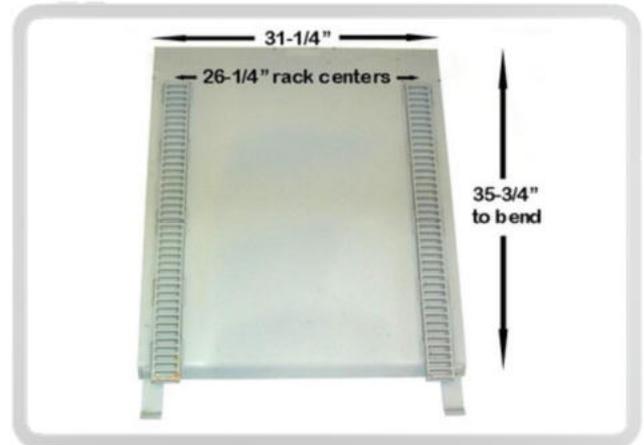
DA Pt # DA-78134
Alt Pt # 3000597
Description: Door Slide Assembly



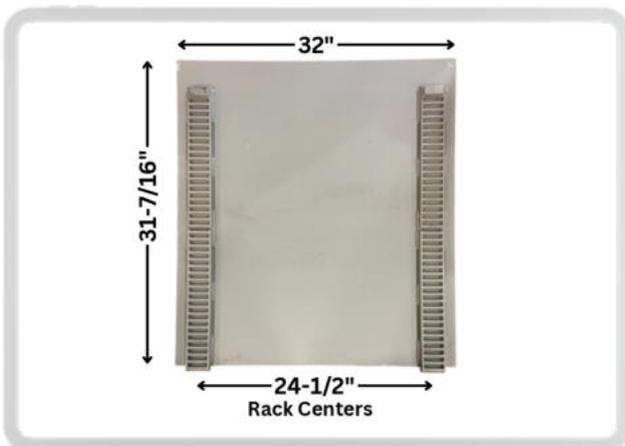
DA Pt # DA-50201
Alt Pt # LCGX
Description: Door Slide Assembly



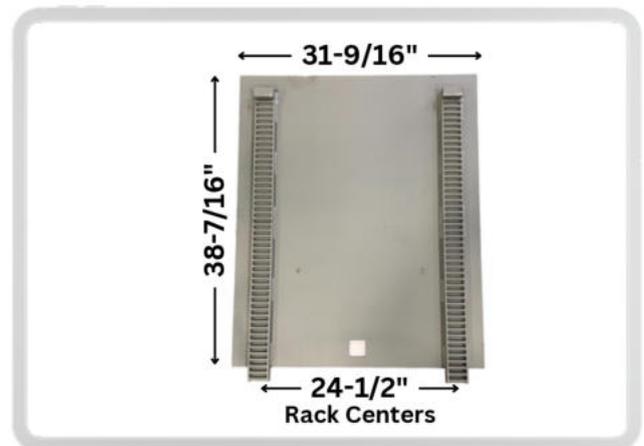
DA Pt # DA-50287
Alt Pt # 810-031956-0
Description: Door Slide Assembly



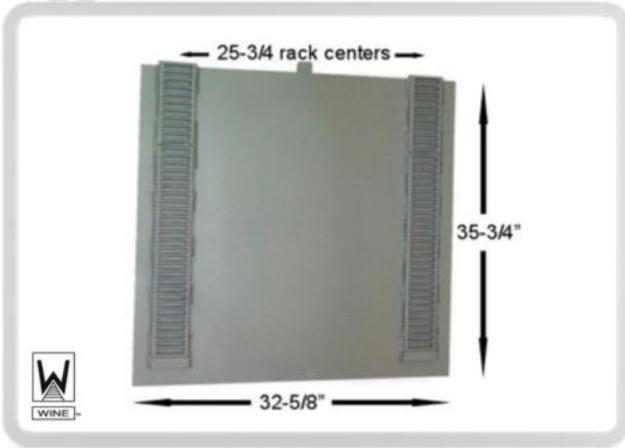
DA Pt # DA-50289
Alt Pt # 810-456723-0
Description: Door Slide Assembly



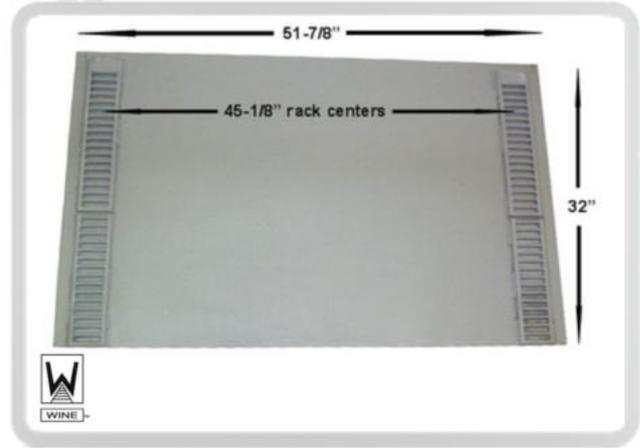
DA Pt # DA-10054
Alt Pt # 10054
Description: Door Slide Assembly



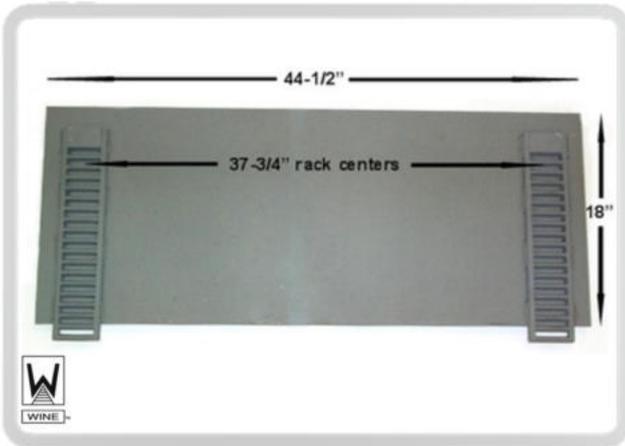
DA Pt # DA-10061
Alt Pt # 3000823
Description: Door Slide Assembly



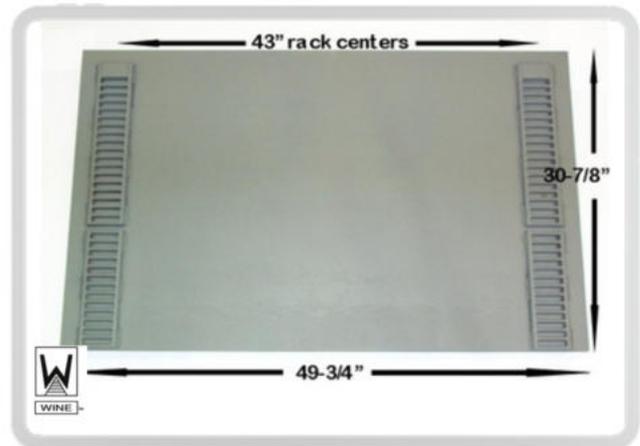
DA Pt # DA-2111
Alt Pt # 2CH-259-1
Description: Door Slide Assembly



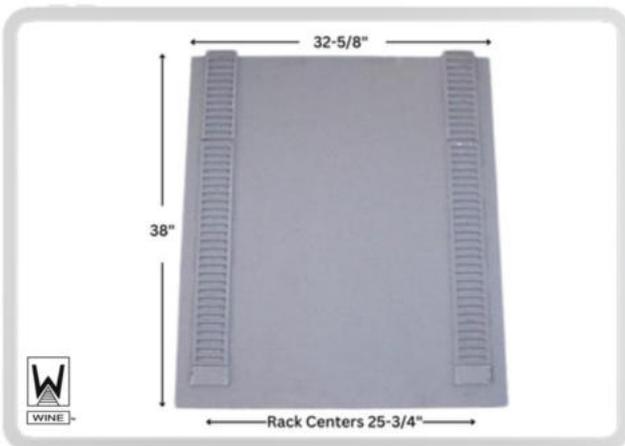
DA Pt # DA-21304
Alt Pt # 3CH-214
Description: Door Slide Assembly



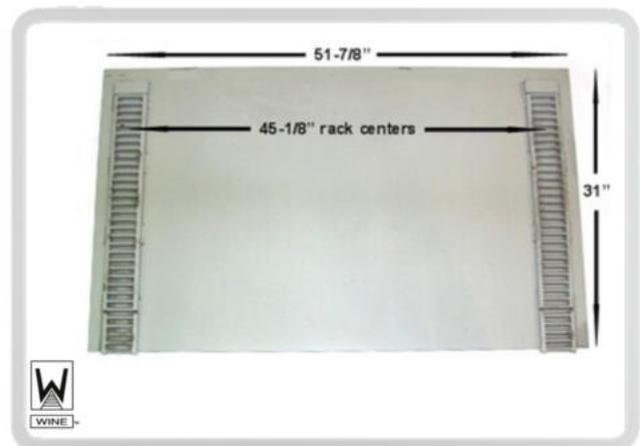
DA Pt # DA-31139
Alt Pt # 2CH-309
Description: Door Slide Assembly



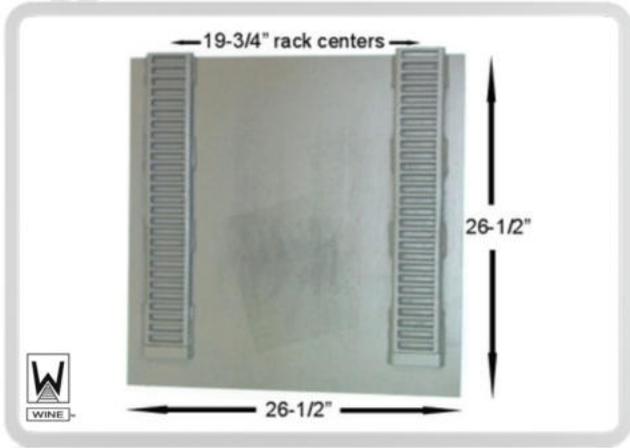
DA Pt # DA-31313
Alt Pt # 3CH-303
Description: Door Slide Assembly



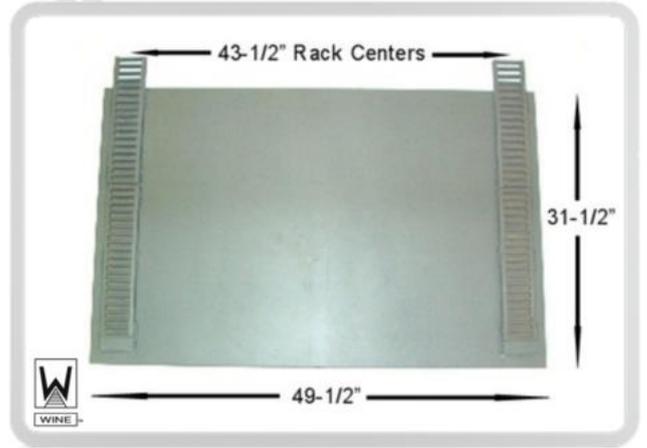
DA Pt # DA-32300
Alt Pt # 2CH-323
Description: Door Slide Assembly



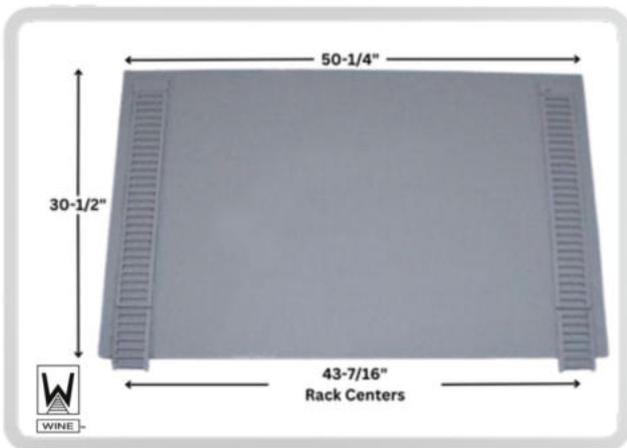
DA Pt # DA-31397
Alt Pt # 2CH-397
Description: Door Slide Assembly



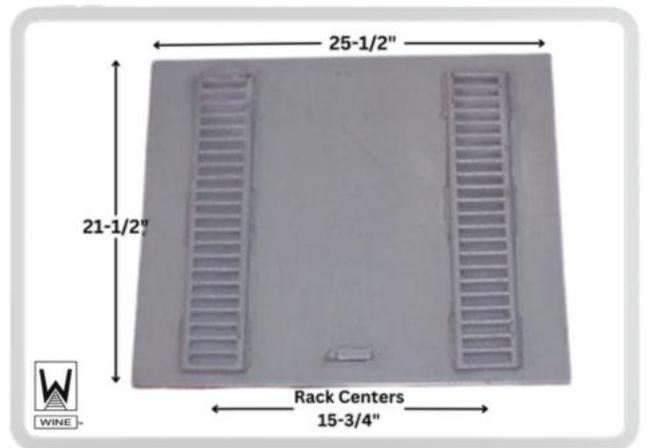
DA Pt # DA-41254
Alt Pt # 2CH-404
Description: Door Slide Assembly



DA Pt # DA-41328
Alt Pt # 41328
Description: Door Slide Assembly

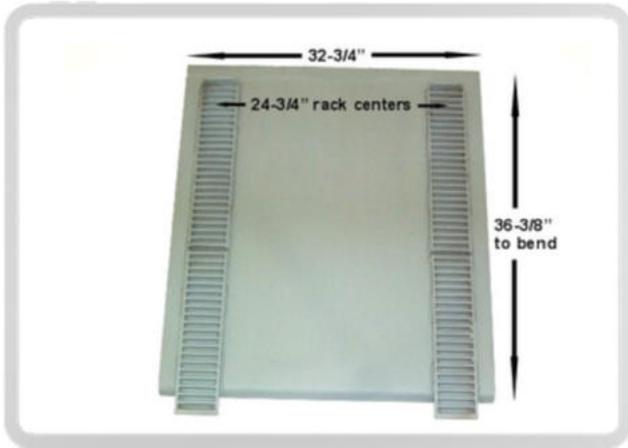


DA Pt # DA-41329
Alt Pt # 3CH-429
Description: Door Slide Assembly

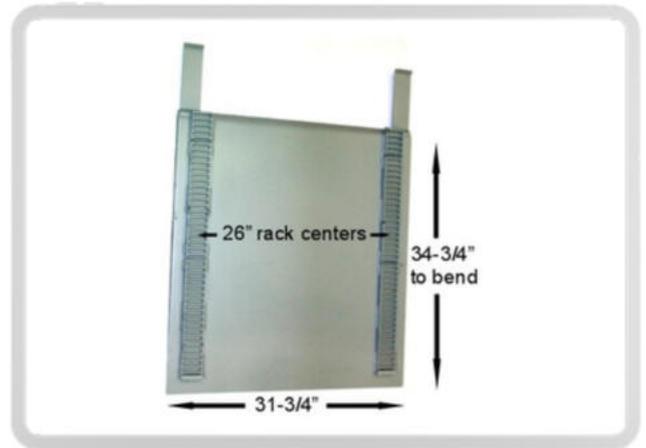


DA Pt # DA-61294
Alt Pt # 2CH-654-1
Description: Door Slide Assembly

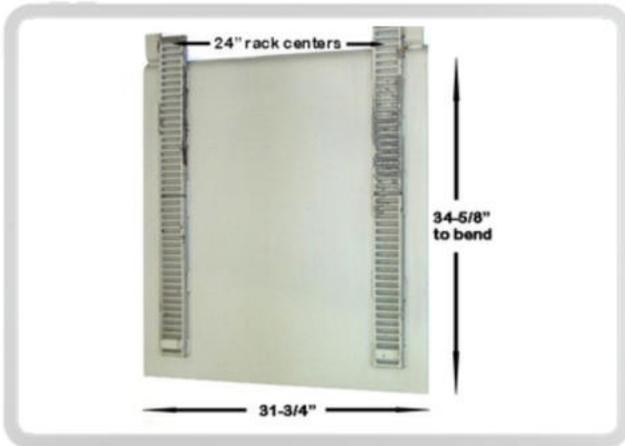




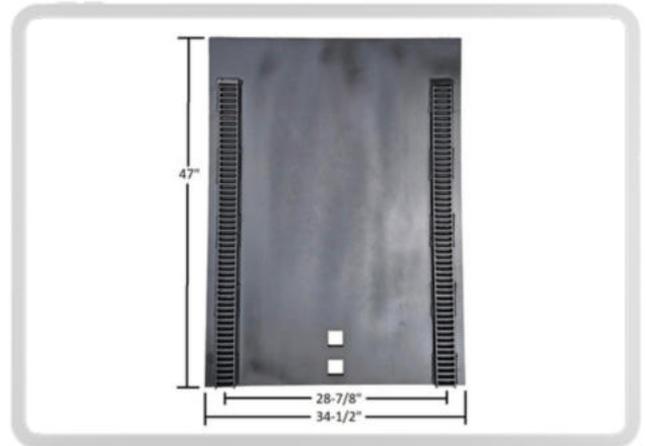
DA Pt # DA-07118
Alt Pt # DA-7118
Description: Door Slide Assembly



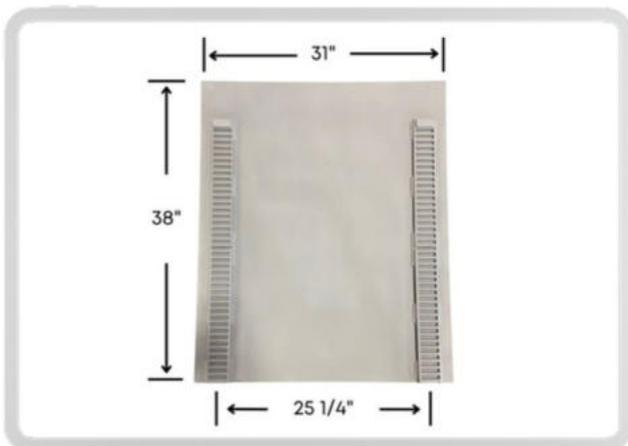
DA Pt # DA-07987
Alt Pt # 7987
Description: Door Slide Assembly



DA Pt # DA-08410
Alt Pt # 08410
Description: Door Slide Assembly



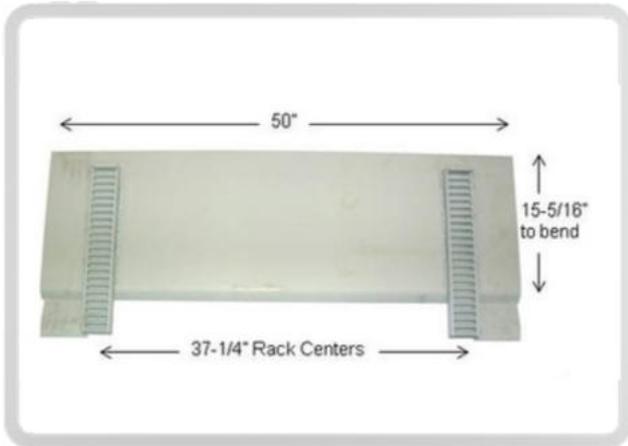
DA Pt # DA-10066
Alt Pt # 10066
Description: Door Slide Assembly



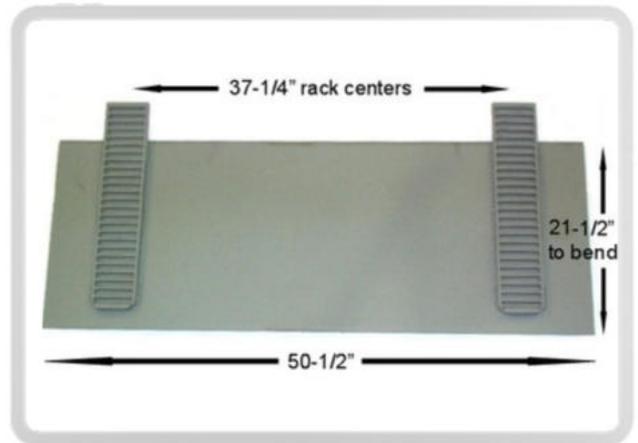
DA Pt # DA-10515
Alt Pt # 10515
Description: Door Slide Assembly



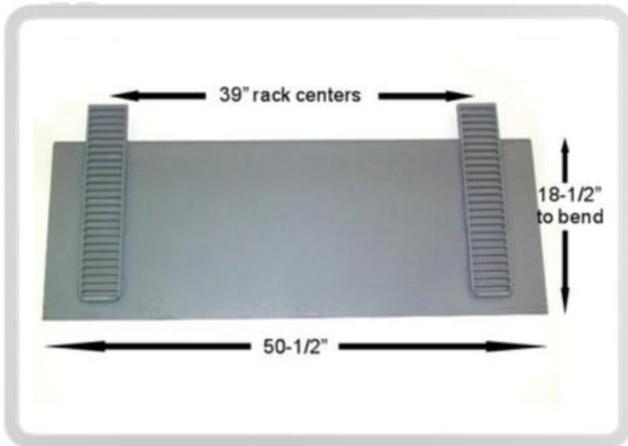
DA Pt # DA-30003
Alt Pt # 3000623
Description: Door Slide Assembly



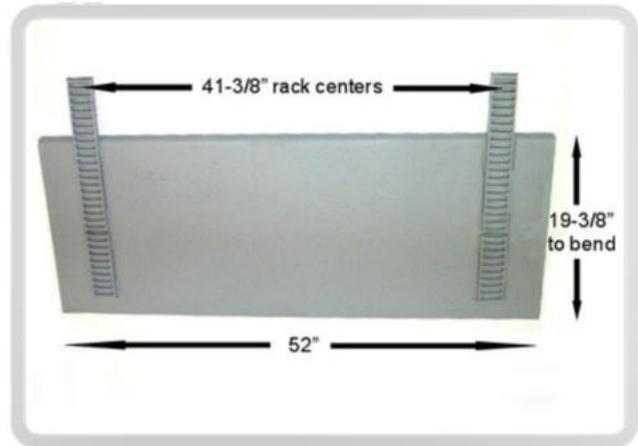
DA Pt # DA-11286
Alt Pt # 3000904
Description: Door Slide Assembly



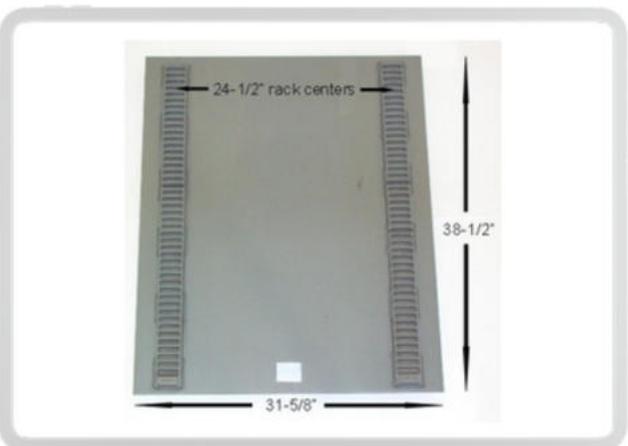
DA Pt # DA-50204
Alt Pt # 50204
Description: Door Slide Assembly



DA Pt # DA-50209
Alt Pt # 50209
Description: Door Slide Assembly



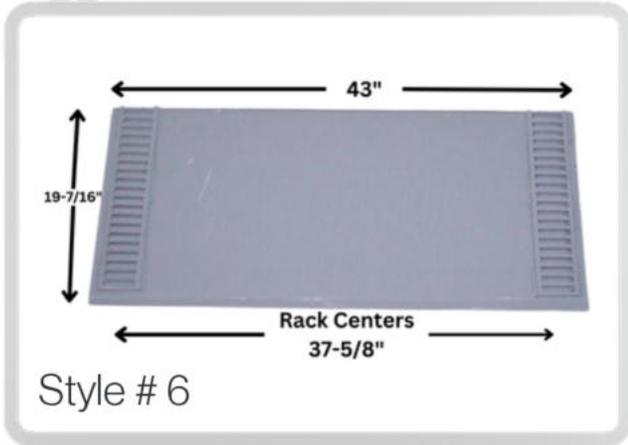
DA Pt # DA-50210
Alt Pt # 50210
Description: Door Slide Assembly



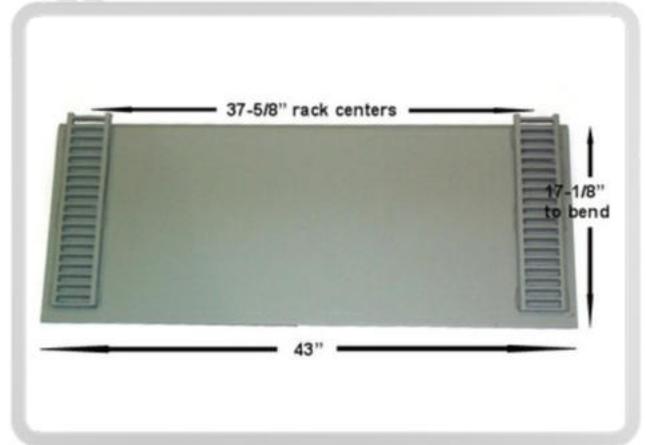
DA Pt # DA-10062
Alt Pt # MKE-10062
Description: Door Slide Assembly



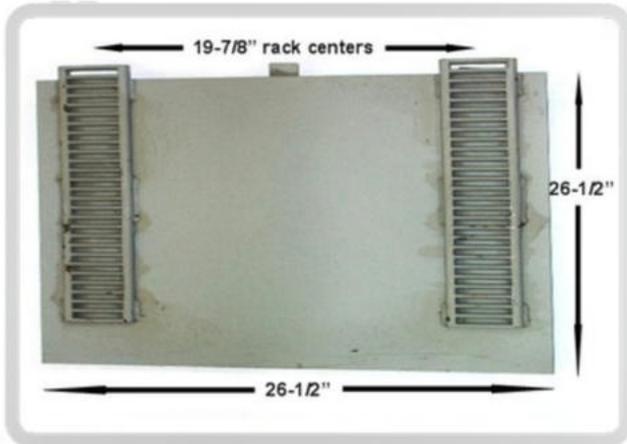
DA Pt # DA-10070
Alt Pt # MKE10070
Description: Door Slide Assembly



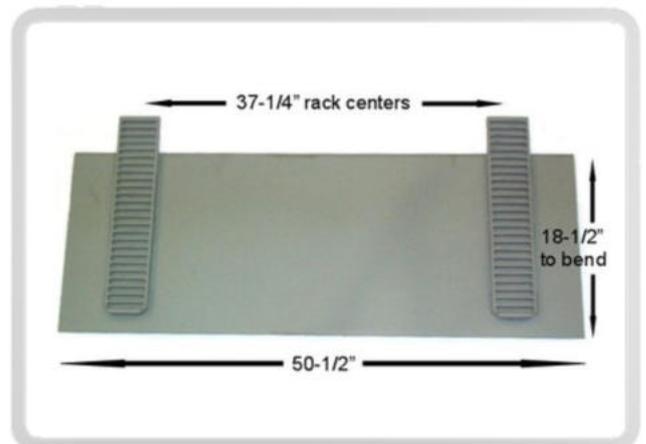
Style # 6
DA Pt # DA-05374
Alt Pt # 810-146009-0
Description: Door Slide Assembly,
 Style # 6



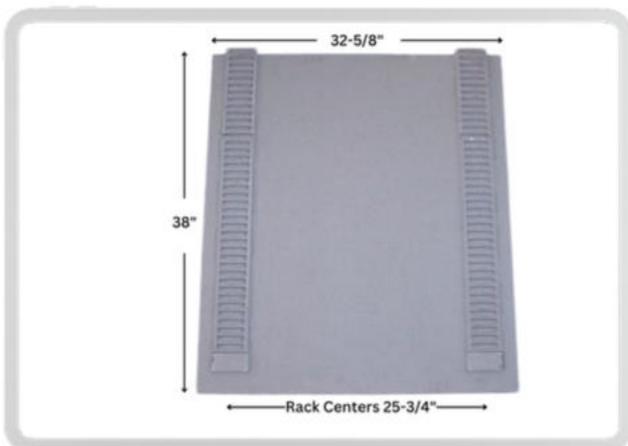
DA Pt # DA-05765
Alt Pt # 031972-0
Description: Door Slide Assembly,
 Style # 5



DA Pt # DA-05804
Alt Pt # 810-031998-0
Description: Door Slide Assembly,
 Style # 4

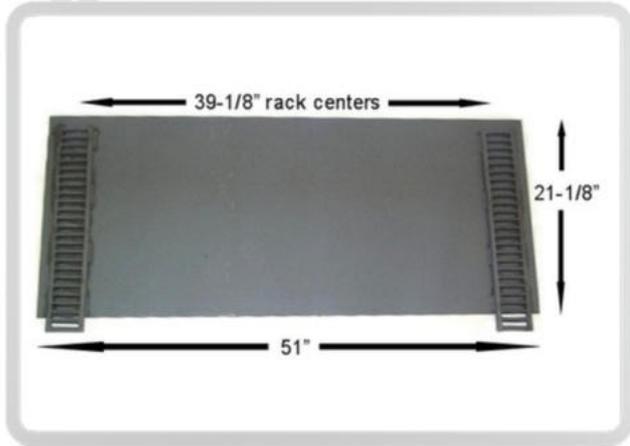


DA Pt # DA-50202
Alt Pt # 810-031964-0
Description: Door Slide Assembly,
 Style # 2A



DA Pt # DA-50203
Alt Pt # Style #3
Description: Door Slide Assembly

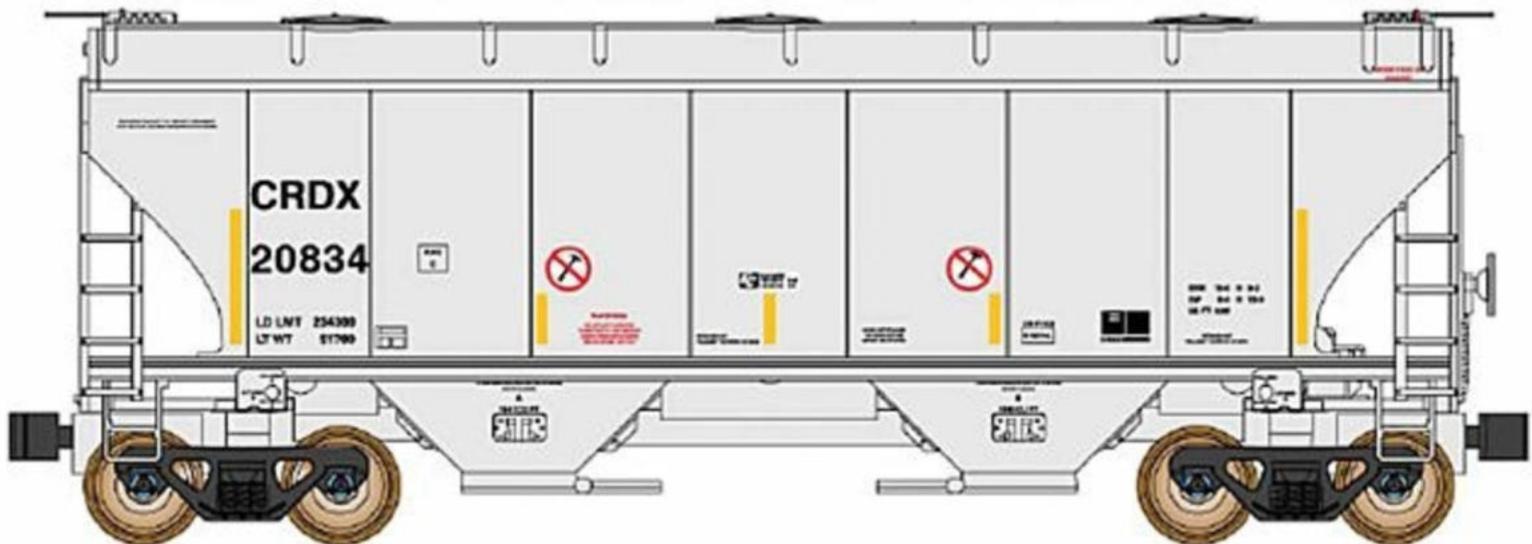




DA Pt # DA-63671
Alt Pt # 203550038
Description: Door Slide Assembly



DA Pt # DA-30006
Alt Pt # 3000627
Description: Door Slide Assembly





DA Pt # DA-60606

Alt Pt # PK-6

Description:

Eccentric



DA Pt # DA-31236

Alt Pt # PK-36

Description:

Eccentric



DA Pt # DA-50068

Alt Pt # 093-40049

Description:

Eccentric Nut



DA Pt # DA-17025

Alt Pt # CL-25

Description:

End Cap



DA Pt # DA-48483

Alt Pt # PK-483-A

Description:

Extension



DA Pt # DA-48493

Alt Pt # PK-483-B

Description:

Extension



DA Pt # DA-31818

Alt Pt # PK-318-B

Description:

Extension



DA Pt # DA-31808

Alt Pt # PK-318-A

Description:

Extension



DA Pt # DA-48908

Alt Pt # PK-489-A

Description:

Extension



DA Pt # DA-48918

Alt Pt # PK-489-B

Description:

Extension



DA Pt # DA-32101

Alt Pt # PK-321-A

Description:

Extension



DA Pt # DA-32102

Alt Pt # PK-321-B

Description:

Extension



DA Pt # DA-40431
Alt Pt # PK-431-A
Description:
Extension



DA Pt # DA-41431
Alt Pt # PK-431-B
Description:
Extension



DA Pt # DA-41454
Alt Pt # PK-454-A
Description:
Extension



DA Pt # DA-42454
Alt Pt # PK-454-B
Description:
Extension



DA Pt # DA-42457
Alt Pt # PK-457-A
Description:
Extension



DA Pt # DA-43457
Alt Pt # PK-457-B
Description:
Extension



DA Pt # DA-43487
Alt Pt # PK-487-A
Description:
Extension



DA Pt # DA-44487
Alt Pt # PK-487-B
Description:
Extension



DA Pt # DA-47134
Alt Pt # PK-471-A-34
Description:
Extension



DA Pt # DA-47234
Alt Pt # PK-471-B-34
Description:
Extension



DA Pt # DA-47487
Alt Pt # PK-487-AX
Description:
Extension



DA Pt # DA-48487
Alt Pt # PK-487-BX
Description:
Extensions



DA Pt # DA-31780
Alt Pt # DA-3178
Description: 13/16" dia. holes
 Filler Casting



DA Pt # DA-28261
Alt Pt # PK-261-A
Description:
 Filler



DA Pt # DA-29261
Alt Pt # PK-261-B
Description:
 Filler



DA Pt # DA-12611
Alt Pt # PK-261-A-1
Description:
 Filler



DA Pt # DA-22611
Alt Pt # PK-261-B-1
Description:
 Filler



DA Pt # DA-05479
Alt Pt # 10305-479
Description: Fulcrum
 Cylinder Fulcrum Lug



DA Pt # DA-05495
Alt Pt # 10305-495
Description: Fulcrum,
 Cylinder Fulcrum
 Casting



DA Pt # DA-04268
Alt Pt # T-130
Description:
 Fulcrum Bracket



DA Pt # DA-00000
Alt Pt # 000000
Description:
 Wine Railcar Products



DA Pt # DA-05563
Alt Pt # 10305-563
Description:
 Fulcrum Left Door
 Spreader



DA Pt # DA-05564
Alt Pt # 10305-564
Description:
 Fulcrum Right Door
 Spreader



DA Pt # DA-50030
Alt Pt # 093-40030
Description:
Fulcrum Spring



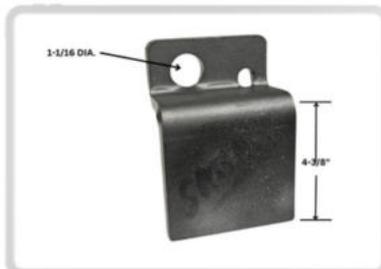
DA Pt # DA-44839
Alt Pt # 44839
Description:
Friction Shoe



DA Pt # DA-28273
Alt Pt # A-028273
Description:
Gate Lock End Piece



DA Pt # DA-28275-A
Alt Pt # 28275
Description:
Gate Lock Bracket



DA Pt # DA-28275-B
Alt Pt # 28275
Description:
Gate Lock Bracket



DA Pt # DA-28274
Alt Pt # 3000595
Description:
Gate Lock Bar Assembly



DA Pt # DA-28274-SP
Alt Pt # 28274SP
Description:
Gate Lock Bar Assembly Kit



DA Pt # DA-30115
Alt Pt # 212-30115-LH
Description:
Guide Finger for Rave Door



DA Pt # DA-30119
Alt Pt # 212-30119-LH
Description:
Guide Finger for Rave Door



DA Pt # DA-81690
Alt Pt # 212-30120
Description:
Hanger for Rave Door



DA Pt # DA-50300
Alt Pt # DA-503
Description:
Handle, Stainless Steel



DA Pt # DA-05182
Alt Pt # 10305-182
Description:
Hinge, Door



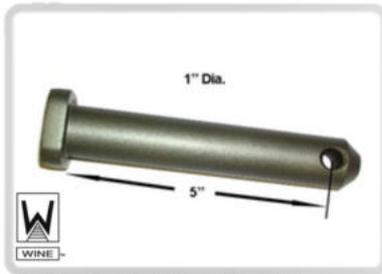
DA Pt # DA-05562
Alt Pt # 10305-562
Description:
Hinge, Door



DA Pt # DA-05561
Alt Pt # 10305-561
Description:
Hinge Door Separator



DA Pt # DA-50090
Alt Pt # MB-253-5090
Description:
Headed Pin



DA Pt # DA-12545
Alt Pt # DA-11746
Description:
Hinge Pin



DA Pt # DA-00000
Alt Pt # 00000
Description:
Wine Railcar Products



DA Pt # DA-14011
Alt Pt # 11140-11
Description:
Hinge



DA Pt # DA-42499
Alt Pt # MC-499
Description:
Hinge



DA Pt # DA-12130
Alt Pt # V-12130
Description:
Hinge



DA Pt # DA-23261
Alt Pt # HF-261
Description:
Hinge, Substitutes DA-25127



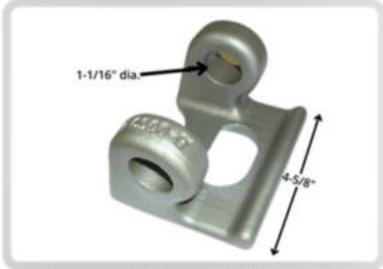
DA Pt # DA-50092-HD
Alt Pt # 1098746
Description:
Hinge, Heavy Duty



DA Pt # DA-50016
Alt Pt # 093-40019
Description:
Hinge

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DA Pt # DA-00000
Alt Pt # 000000
Description:
Wine Railcar Products



DA Pt # DA-50017
Alt Pt # 093-40020
Description:
Hinge Butt



DA Pt # DA-14043
Alt Pt # UC-43
Description:
Hinge Butt



DA Pt # DA-51028
Alt Pt # 10251-028
Description:
Hinge Butt



DA Pt # DA-43512
Alt Pt # MC-512
Description:
Hinge Butt



DA Pt # DA-40391
Alt Pt # 093-40391
Description:
Hinge Butt



DA Pt # DA-30112
Alt Pt # 212-30112
Description:
Hinge Leaf, Two Knuckle



DA Pt # DA-30113
Alt Pt # 212-30113
Description:
Hinge Leaf, Three Knuckle



DA Pt # DA-22527
Alt Pt # PK-27-X
Description:
Hook



DA Pt # DA-34234
Alt Pt # PK-342-34
Description:
Hook



DA Pt # DA-48134
Alt Pt # PK-481-34
Description:
Hook



DA Pt # DA-17209
Alt Pt # CL-19-A
Description:
 Hook, Inner



DA Pt # DA-17219
Alt Pt # CL-19-B
Description:
 Hook, Inner



DA Pt # DA-17028
Alt Pt # CL-28
Description:
 Hook, Inner



DA Pt # DA-17503
Alt Pt # CL-13-A
Description:
 Hook, Inner



DA Pt # DA-17513
Alt Pt # CL-13-B
Description:
 Hook, Inner



DA Pt # 17160
Alt Pt # CL-60
Description:
 Hook, Inner



DA Pt # DA-00000
Alt Pt # 000000
Description:
 Wine Railcar Products



DA Pt # DA-17224
Alt Pt # CL-24-B
Description:
 Hook, Inner



DA Pt # DA-17309
Alt Pt # CL-39-A
Description:
 Hook, Inner



DA Pt # DA-17339
Alt Pt # CL-39-B
Description:
 Hook, Inner



DA Pt # DA-17156
Alt Pt # CL-66-A
Description:
 Hook, Outer



DA Pt # DA-17166
Alt Pt # CL-66-B
Description:
 Hook, Outer



DA Pt # DA-17349

Alt Pt # CI-59-A

Description:

Hook, Outer



DA Pt # DA-17359

Alt Pt # CL-59-B

Description:

Hook, Outer



DA Pt # DA-17605

Alt Pt # CL-65-A

Description:

Hook, Outer



DA Pt # DA-17665

Alt Pt # CL-65-B

Description:

Hook, Outer



DA Pt # DA-17512

Alt Pt # CL-12-A

Description:

Hook, Outer



DA Pt # DA-17612

Alt Pt # CL-12-B

Description:

Hook, Outer



DA Pt # DA-28020

Alt Pt # CL-20-A

Description:

Hook, Outer



DA Pt # DA-23527

Alt Pt # CL-27-A

Description:

Hook, Outer



DA Pt # DA-17308

Alt Pt # CL-38-A

Description:

Hook, Outer



DA Pt # DA-28120

Alt Pt # CL-20-B

Description:

Hook, Outer



DA Pt # DA-23627

Alt Pt # CL-27-B

Description:

Hook, Outer

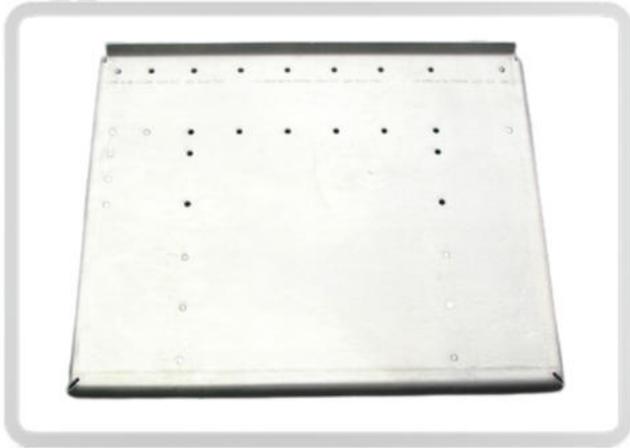


DA Pt # DA-17338

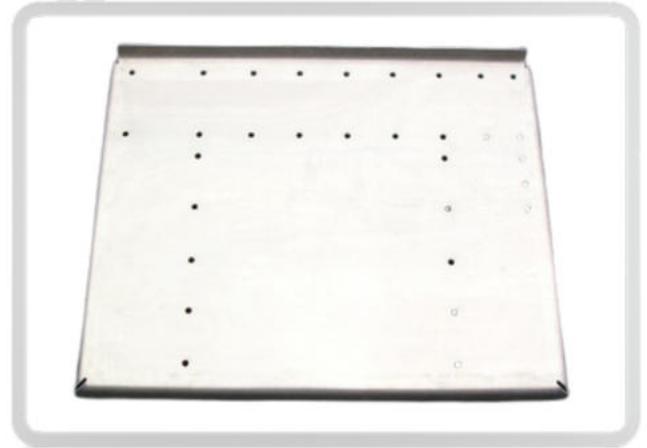
Alt Pt # CL-38-B

Description:

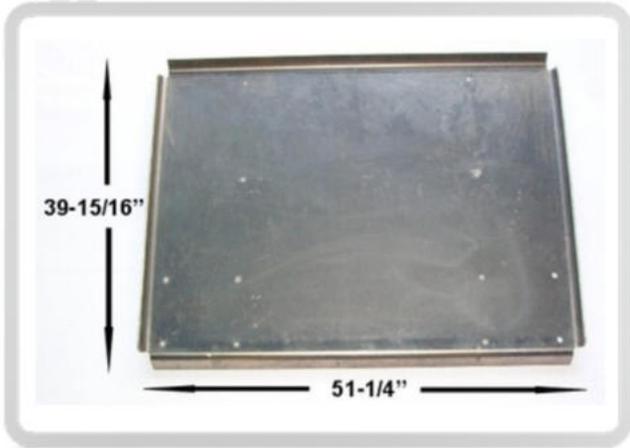
Hook, Outer



DA Pt # DA-17002
Alt Pt # D-170-7002
Description: Aluminum, LH
 Hopper Door for RD Car



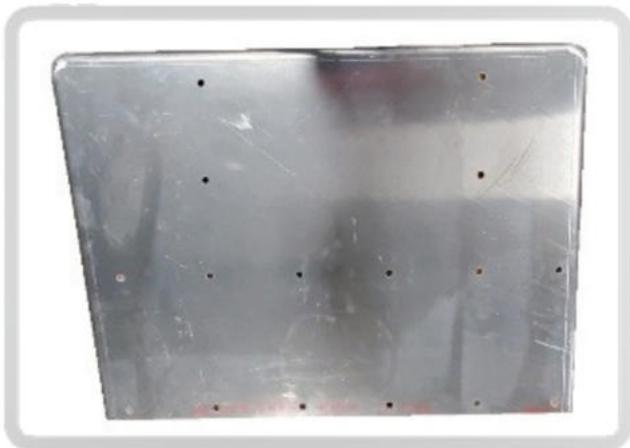
DA Pt # DA-17003
Alt Pt # D-170-7003
Description: Aluminum, RH
 Hopper Door for RD Car



DA Pt # DA-17060
Alt Pt # 1020335
Description: Aluminum
 Hopper Door for RD Car



DA Pt # DA-00402
Alt Pt # 0200402
Description: Aluminum, LH
 Hopper Door



DA Pt # DA-75793-1
Alt Pt # 75793-010
Description: Aluminum
 Hopper Door



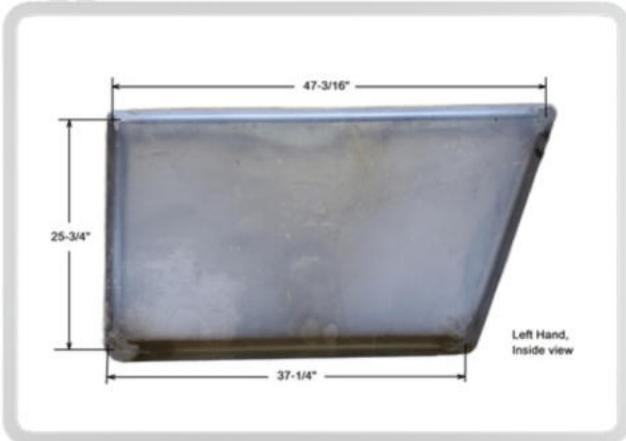
DA Pt # DA-75793-2
Alt Pt # 75793-020
Description: Aluminum
 Hopper Door



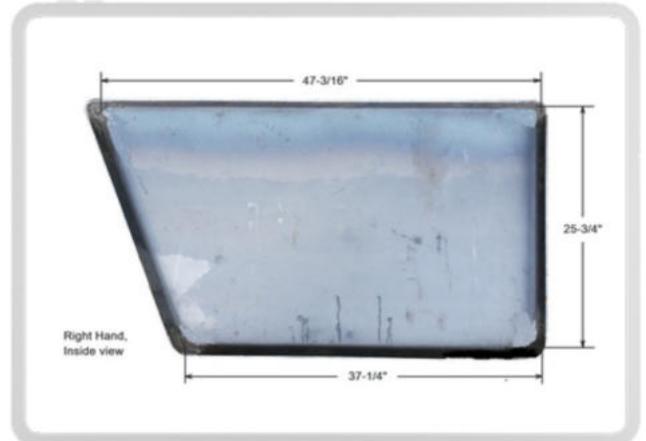
DA Pt # DA-76031
Alt Pt # 76031
Description: Trapezoidal, LH Hopper Door



DA Pt # DA-76035
Alt Pt # 76035
Description: Trapezoidal, RH Hopper Door



DA Pt # DA-52966
Alt Pt # 810-691551
Description: Trapezoidal, LH Hopper Door



DA Pt # DA-52965
Alt Pt # 810-689671
Description: Trapezoidal, RH Hopper Door



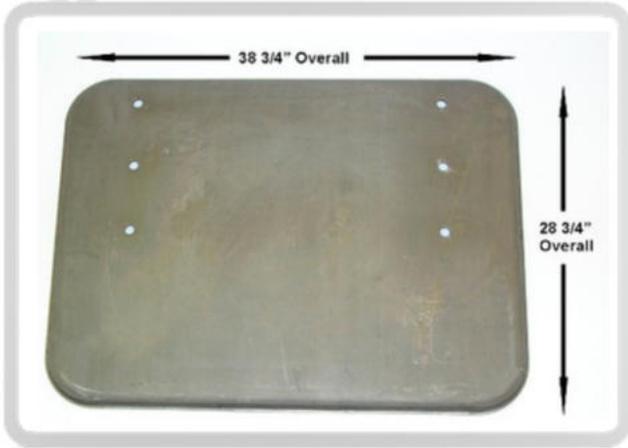
DA Pt # DA-47008
Alt Pt # D-004-7008
Description: Inner Hopper Door for RD Car



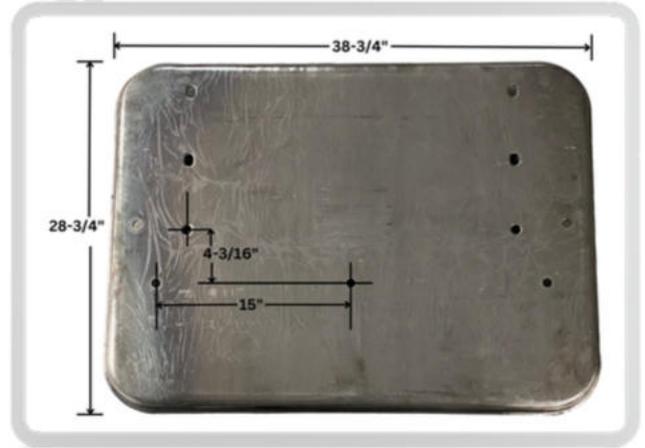
DA Pt # DA-47009
Alt Pt # D-004-7009
Description: Outer Hopper Door for RD Car

Conventional Open Top Hopper Doors

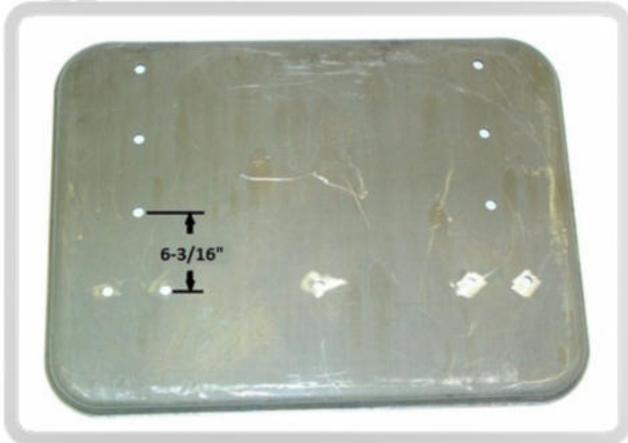
| DA Hopper Door Part Number | Door Size | Lock Mounting Holes | Material Thickness | Material |
|----------------------------|-----------|---------------------|--------------------|-----------------|
| DA-176003 | Narrow | None | 5/16" | Carbon Steel |
| DA-176003-CL | Narrow | WINE Cam Lock | 5/16" | Carbon Steel |
| DA-176003-H | Narrow | WINE Spreader Beam | 5/16" | Carbon Steel |
| DA-176005 | Narrow | None | 3/8" | Carbon Steel |
| DA-176005-H | Narrow | WINE Spreader Beam | 3/8" | Carbon Steel |
| DA-76005 | Narrow | None | 1/4" | Stainless Steel |
| DA-76005-H | Narrow | WINE Spreader Beam | 1/4" | Stainless teel |
| DA-176004 | Wide | None | 5/16" | Carbon Steel |
| DA-176004-CL | Wide | WINE Cam Lock | 5/16" | Carbon Steel |
| DA-176004-SP | Wide | WINE Spreader Beam | 5/16" | Carbon Steel |
| DA-176006 | Wide | None | 3/8" | Carbon Steel |
| DA-176006-H | Wide | WINE Spreader Beam | 3/8" | Carbon Steel |
| DA-76006 | Wide | None | 1/4" | Stainless Steel |
| DA-76006-H | Wide | WINE Spreader Beam | 1/4" | Stainless Steel |
| DA-176004-AL | Wide | None | 1/4" | Aluminum |



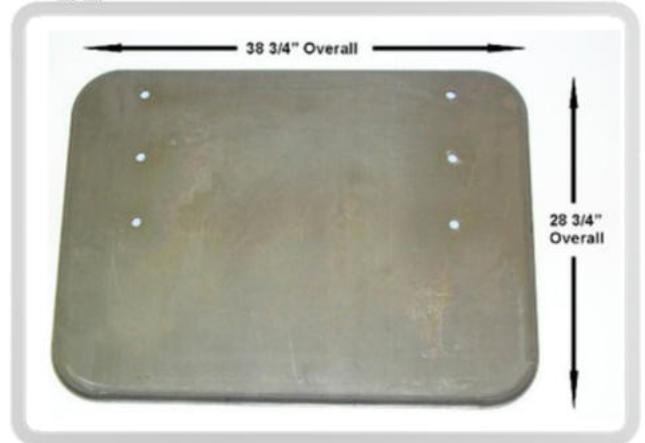
DA Pt # DA-176003
Alt Pt # D-170-6003
Description: Small Hopper Door



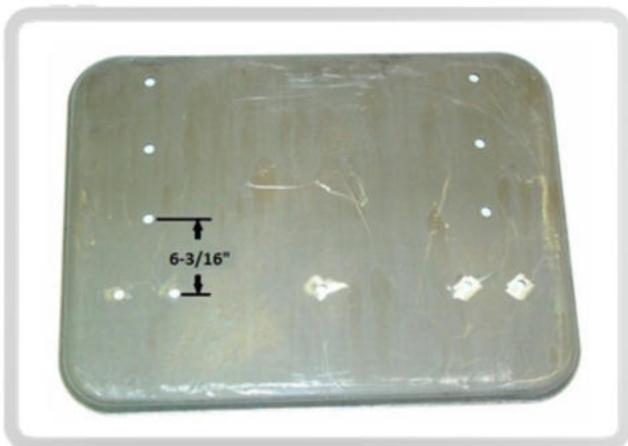
DA Pt # DA-176003-CL
Alt Pt # 176003CL
Description: Small, 5/16" Thick Hopper Door w/ Cam Lock Holes



DA Pt # DA-176003-H
Alt Pt # 176003H
Description: Hopper Door w/ Spreader Beam Holes, Small, Carbon Steel, 5/16" Thick



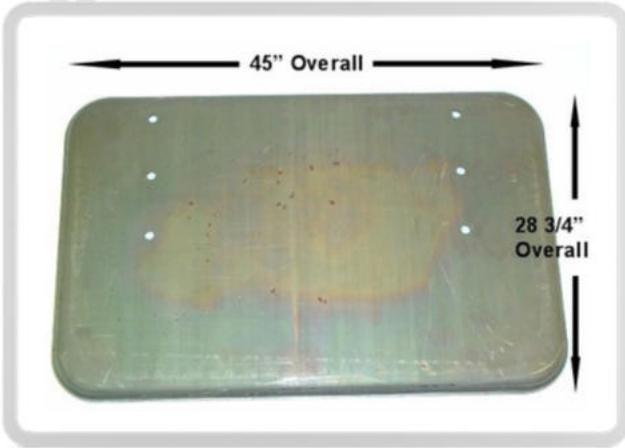
DA Pt # DA-176005
Alt Pt # 176005
Description: Small, Carbon Steel Hopper Door, 3/8" Thick



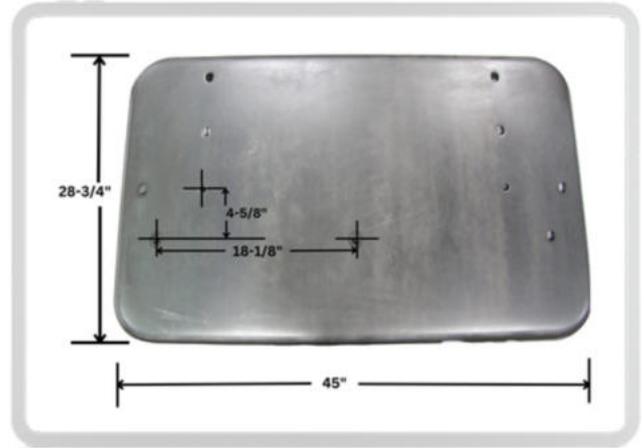
DA Pt # DA-176005-H
Alt Pt # 176005H
Description: Small, Carbon Steel Hopper Door, 3/8" Thick w/ Spreader Holes



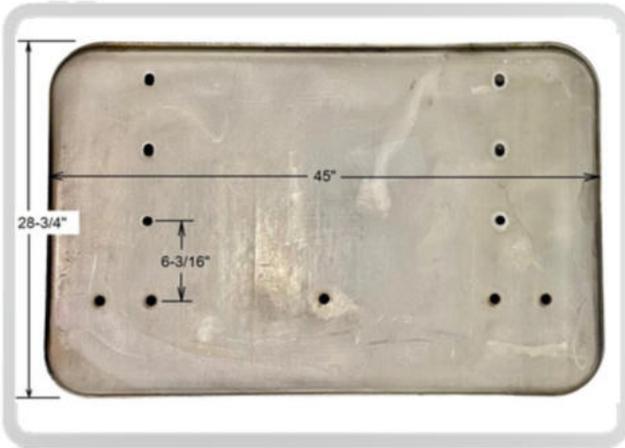
DA Pt # DA-10518
Alt Pt # M105186-000
Description: Hopper Door .313" Thick



DA Pt # DA-176004
Alt Pt # D-170-6004
Description: Large Hopper Door



DA Pt # DA-176004-CL
Alt Pt # 176004CL
Description: Large, 5/16" Thick Hopper Door w/ Cam Lock Holes



DA Pt # DA-176004-SP
Alt Pt # D-170-6004
Description: Large, Carbon Steel, 5/16" Thick Hopper Door w/ Spreader Beam Holes

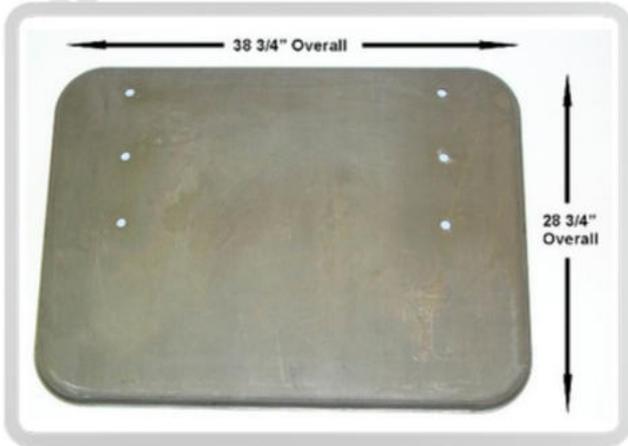


DA Pt # DA-176006
Alt Pt # 176006
Description: Large, Carbon Steel Hopper Door, Large, 3/8 inch Thick

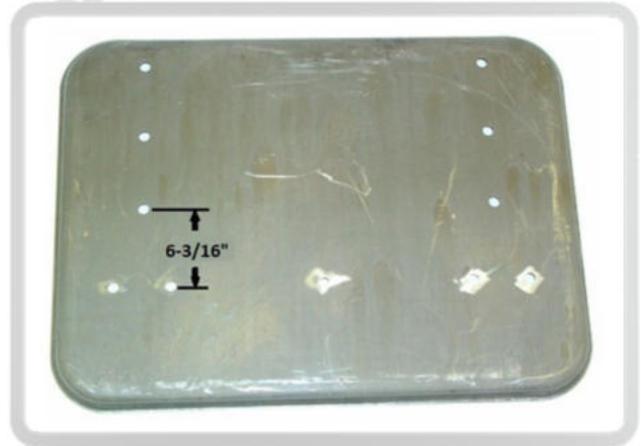


DA Pt # DA-176006-H
Alt Pt # 176006H
Description: Large, Carbon Steel Hopper Door, 3/8" Thick w/ Spreader holes





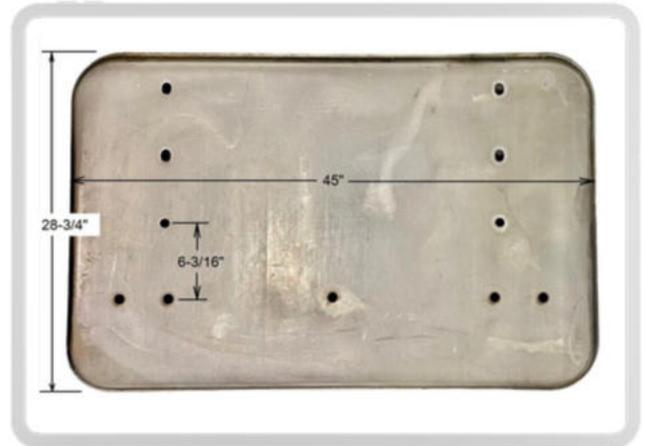
DA Pt # DA-76005
Alt Pt # D-170-6051
Description: Small, Stainless Steel Hopper Door, 1/4" Thick



DA Pt # DA-76005-H
Alt Pt # 76005H
Description: Small, Carbon Steel Hopper Door, 3/8" Thick w/ Spreader Holes



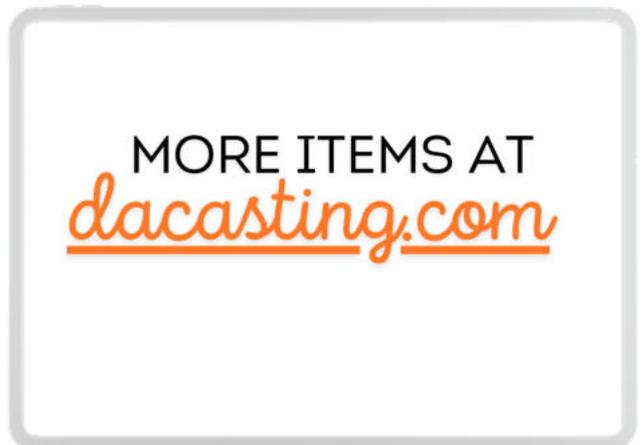
DA Pt # DA-76006
Alt Pt # 76006
Description: Large, Stainless Steel Hopper Door, 1/4" Thick



DA Pt # DA-76006-H
Alt Pt # 76006H
Description: Large, Stainless Steel Hopper Door, 1/4" Thick w/ Spreader Holes



DA Pt # DA-176004-AL
Alt Pt # D-170-6004
Description: Large, Aluminum Hopper Door, 1/4" Thick



DA Pt # DA-00000
Alt Pt # 00000
Description: Wine Railcar Products



DA Pt # DA-25212
Alt Pt # HF-212-A
Description: 25-3/4" x 42", 30°
 Hopper Frame, Rectangular



DA Pt # DA-25213
Alt Pt # HF-212-B
Description: 25-3/4" x 42", 30°
 Hopper Frame, Rectangular



DA Pt # DA-25210
Alt Pt # HF-210-A
Description: 25-27/32" x 35-3/4", 45°
 Hopper Frame, Rectangular



DA Pt # DA-25211
Alt Pt # HF-210-B
Description: 25-27/32" x 35-3/4", 45°
 Hopper Frame, Rectangular



DA Pt # DA-18259
Alt Pt # HF-259-A-18
Description: Rectangle
 Hopper Frame



DA Pt # DA-18260
Alt Pt # HF-259-B-18
Description: Rectangle
 Hopper Frame



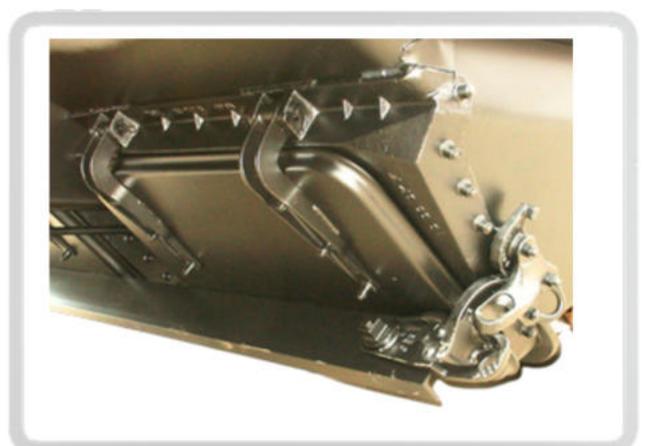
DA Pt # DA-10238
Alt Pt # HF-238-A-10
Description: 25-3/4" x 42", 45°
 Hopper Frame



DA Pt # DA-10239
Alt Pt # HF-238-B-10
Description: 25-3/4" x 42", 45°
 Hopper Frame



See pages 9 & 10 for complete list
 of parts for complete opening
 assembly



See Page 9 & 10 for complete
 list of parts for complete opening
 assembly





DA Pt # DA-00010
Alt Pt # C10
Description:
 Knuckle Pin for Coupler



DA Pt # DA-20209
Alt Pt # 2CH-209
Description:
 Latch



DA Pt # DA-00000
Alt Pt # 00000
Description:
 Wine Railcar Products



DA Pt # DA-15127
Alt Pt # CH-127-A
Description:
 Latch Bracket



DA Pt # DA-15128
Alt Pt # CH-127-B
Description:
 Latch Bracket



DA Pt # DA-05572
Alt Pt # 10305-572
Description:
 Latch Housing



DA Pt # DA-05573
Alt Pt # 10305-573
Description:
 Latch, Door Mechanism



DA Pt # DA-05016
Alt Pt # 10305-016
Description:
 Latch Mechanism



DA Pt # DA-20210
Alt Pt # 2-CH-210
Description:
 Latch Retainer



DA Pt # DA-01213
Alt Pt # C-1213
Description:
 Lever, Bail Lever



DA Pt # DA-50044
Alt Pt # 093-40035
Description:
 Lever End, Door Operating



DA Pt # DA-05010
Alt Pt # 10305-010
Description:
 Link D, Lever



DA Pt # DA-05013
Alt Pt # 10305-013
Description: Lever, Door
 Operating 19-1/2



DA Pt # DA-05034
Alt Pt # 10305-034
Description: Lever Fulcrum



DA Pt # DA-05061
Alt Pt # 10305-061
Description: Lever Link
 Fulcrum at operating Beam



DA Pt # DA-05039
Alt Pt # 10305-039
Description: Lever Link G



DA Pt # DA-05580-1
Alt Pt # 10305-558-01
Description: Lever Shaft
 Support Actuator



DA Pt # DA-05580-2
Alt Pt # 10305-558-02
Description: Lever Shaft
 Support Actuator



DA Pt # DA-05557
Alt Pt # 10305-557
Description: Lever, Bilever



DA Pt # DA-05078
Alt Pt # 10305-078
Description: Lever, Door
 Actuating



DA Pt # DA-05556
Alt Pt # 10305-556
Description: Lever, Door
 Actuating



DA Pt # DA-05033
Alt Pt # 10305-033
Description: Lever, Door
 Operating 20-13/16



DA Pt # DA-05559
Alt Pt # 10305-559
Description: Lever,
 Operating 15-3/8



DA Pt # DA-05560
Alt Pt # 10305-560
Description: Lever,
 Operating 15-17-1/16



DA Pt # DA-05012
Alt Pt # 10305-012
Description: Lever, Tri-lever Door Actuating



DA Pt # DA-05565
Alt Pt # 10305-565
Description: Lock - Spreader Fulcrum Cam



DA Pt # DA-52090
Alt Pt # 6877
Description: Left Hand Lock weld/seal pin bracket



DA Pt # DA-52101
Alt Pt # 6878
Description: RH, 2-1/4" Lock weld/seal pin bracket



DA Pt # DA-50772
Alt Pt # 06772-LH
Description: Left Hand Lock weld/seal pin bracket



DA Pt # DA-50773
Alt Pt # 06773-RH
Description: RH, 1-3/4" Lock weld/seal pin bracket



DA Pt # DA-50774
Alt Pt # 7043
Description: Left Hand Lock weld/seal pin bracket



DA Pt # DA-50775
Alt Pt # 7044
Description: RH, 2-1/16" Lock weld/seal pin bracket



DA Pt # DA-00000
Alt Pt # 00000
Description: Wine Railcar Products



DA Pt # DA-50099
Alt Pt # 5050099
Description: Lever, Operating



DA Pt # DA-00000
Alt Pt # 00000
Description: Wine Railcar Products



DA Pt # DA-10082-A
Alt Pt # 10082A
Description: Short, Outside Lock Lift Follower



DA Pt # DA-10082-B
Alt Pt # 10082B
Description: Short Door Lock



DA Pt # DA-30651
Alt Pt # 4999930651
Description: 1/4" Thick L-Bracket



DA Pt # DA-10081-A
Alt Pt # 10081-A
Description: Outside, Long Lock Lift Follower



DA Pt # DA-10081-B
Alt Pt # 10081-B
Description: Short Lock for Door



DA Pt # DA-68845
Alt Pt # 204910055
Description: Outlet Gate Lock



DA Pt # DA-23193
Alt Pt # 023193-0
Description: Wedge Lock Assembly



DA Pt # DA-00000
Alt Pt # 00000
Description: Wine Railcar Products



DA Pt # DA-05063
Alt Pt # 10305-063
Description: Operating Beam Support



DA Pt # DA-00000
Alt Pt # 00000
Description: Wine Railcar Products



DA Pt # DA-70001
Alt Pt # 30149
Description: Single Sided Hatch Cover Lock



DA Pt # DA-70002
Alt Pt # 30311
Description: Double Sided Hatch Cover Lock



DA Pt # DA-28112
Alt Pt # PK-2-A
Description:
Pawl



DA Pt # DA-29112
Alt Pt # PK-2-B
Description:
Pawl



DA Pt # DA-32343
Alt Pt # PK-343-A
Description:
Pawl



DA Pt # DA-34343
Alt Pt # PK-343-B
Description:
Pawl



DA Pt # DA-43480
Alt Pt # PK-480-A
Description:
Pawl



DA Pt # DA-44480
Alt Pt # PK-480-B
Description: Inner
Pawl



DA Pt # DA-17417
Alt Pt # CL-7
Description:
Pawl



DA Pt # DA-92266
Alt Pt # MB-999-5186
Description:
Plunger Nose



DA Pt # DA-42498
Alt Pt # MC-498
Description:
Pipe Bracket



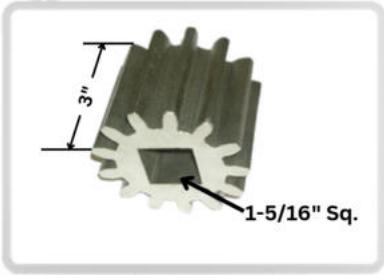
DA Pt # DA-00000
Alt Pt # 00000
Description:
Wine Railcar Products



DA Pt # DA-33179
Alt Pt # 2-CH-327
Description:
Pinion Gear



DA Pt # DA-33178
Alt Pt # 2-CH-328
Description: Outer
Pinion Gear



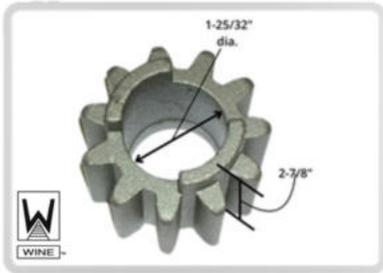
DA Pt # DA-30304
Alt Pt # DA-502-SS
Description: Pinion Gear,
Stainless Steel



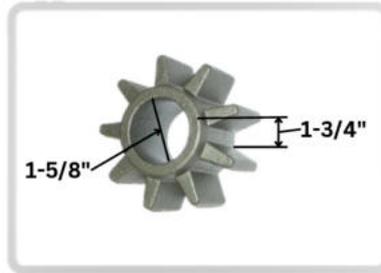
DA Pt # DA-21130
Alt Pt # DA-29-304-SS
Description: Pinion
Gear, Stainless Steel



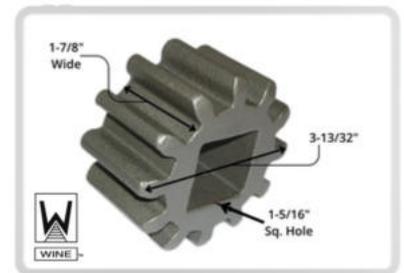
DA Pt # DA-00183
Alt Pt # 10083
Description: Pinion Gear,
2-1/4" Dia. Round Hole



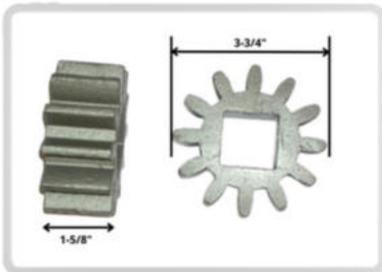
DA Pt # DA-21129
Alt Pt # CH-29
Description: Pinion Gear,
1-25/32" dia. Hole



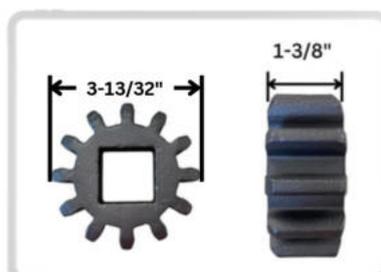
DA Pt # DA-69400
Alt Pt # OVPA-694
Description: Pinion Gear,
1-3/4" W x 1-5/8" dia.



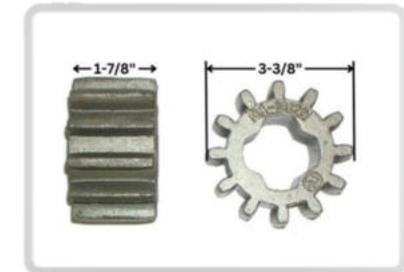
DA Pt # DA-70209
Alt Pt # DA-29-A
Description: Pinion Gear,
1-5/16" Sq. Hole, 1-7/8" W



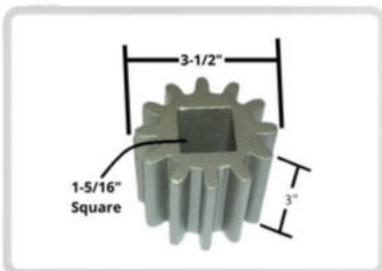
DA Pt # DA-70210
Alt Pt # DA-29-B
Description: Pinion Gear,
Square Hole



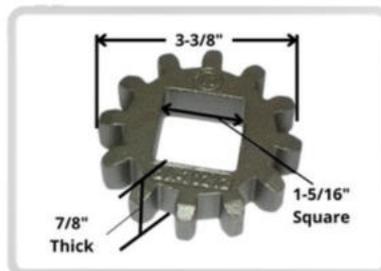
DA Pt # DA-70211
Alt Pt # 70211
Description: Pinion Gear,
Square Hole, 1-3/8" W



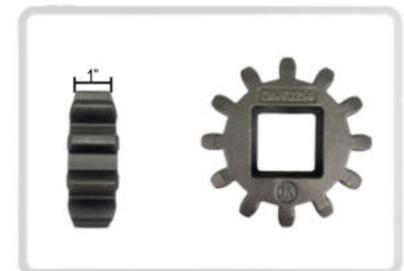
DA Pt # DA-10129
Alt Pt # E-10129
Description:
Pinion Gear



DA Pt # DA-52082
Alt Pt # DA-502
Description:
Pinion Gear



DA Pt # DA-70212
Alt Pt # 70212
Description:
Pinion Gear



DA Pt # DA-70214
Alt Pt # 70214
Description: Pinion Gear,
1" Wide

Pinion Shafts



One end machined for capstan

| DA Pt. # | Wine Pt # | Shaft Length | Rod Diameter |
|----------|-------------|--------------|--------------|
| DA-21934 | 1CH-409-1 | 30-3/4" | 1-3/4" |
| DA-41051 | 1-CH-409-3 | 30-1/2" | 1-3/4" |
| DA-42010 | 1-CH-409-11 | 30" | 1-3/4" |



Both ends machined for capstan

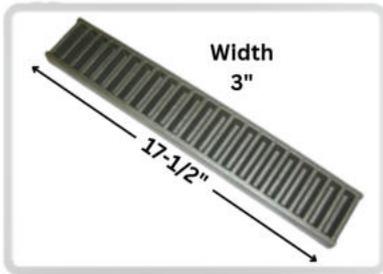
| DA Pt. # | Wine Pt # | Shaft Length | Rod Diameter |
|----------|------------|--------------|--------------|
| DA-31001 | 1-CH-340-1 | 38-3/8" | 1-3/4" |
| DA-31018 | 1CH-340-18 | 40-1/2" | 1-3/4" |
| DA-31033 | 1CH-340-3 | 61" | 1-3/4" |
| DA-33026 | 1CH-340-16 | 66" | 1-3/4" |
| DA-34005 | 1-CH-340-5 | 53" | 1-3/4" |
| DA-34805 | 1CH-340-13 | 60-1/2" | 1-3/4" |



Square pinion shaft

| DA Pt. # | Alt Pt. # | Shaft Length | Shaft Diameter |
|----------|-----------|--------------|----------------|
| DA-01723 | 01723 | 36-3/8" | 1-1/4" |
| DA-01733 | 01733 | 33" | 1-1/4" |
| DA-07177 | 07177 | 65" | 1-1/4" |
| DA-07248 | 07248 | 48" | 1-1/4" |
| DA-01744 | 01744 | 44" | 1-1/4" |
| DA-07176 | 07176 | 64" | 1-1/4" |
| DA-07180 | 07180 | 58-1/2" | 1-1/4" |
| DA-07249 | 07249 | 50" | 1-1/4" |

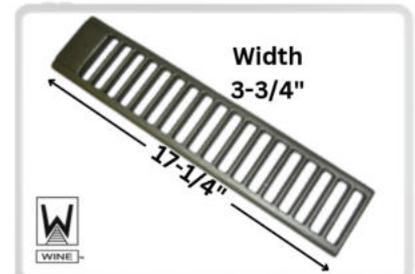
Alternate Sizes Available



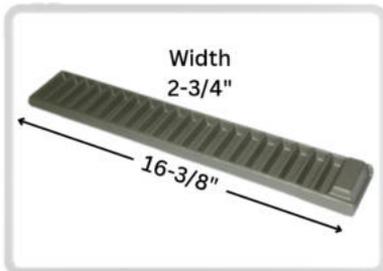
DA Pt # DA-41423
Alt Pt # DA-423
Description: Rack
17-1/2" L x 3" Wide



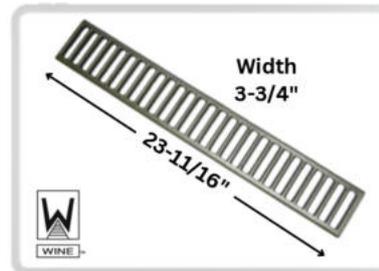
DA Pt # DA-70215
Alt Pt # 70215
Description:
Rack



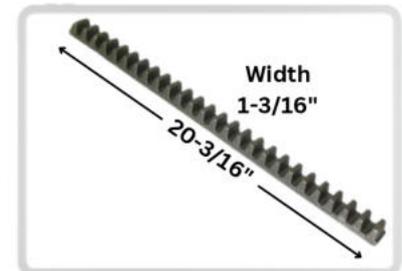
DA Pt # DA-13096
Alt Pt # 2CH-156
Description: Rack
17-1/4" L x 3-3/4"W



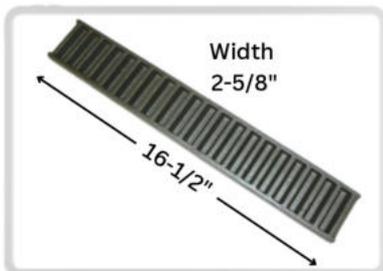
DA Pt # DA-42339
Alt Pt # DA-4029
Description: Rack
16-3/8" L x 2-3/4" W



DA Pt # DA-33181
Alt Pt # 2CH-331
Description: Rack
23-11/16" L x 3-3/4"W



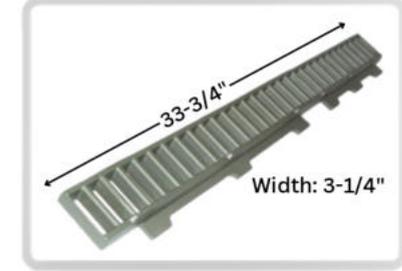
DA Pt # DA-70213
Alt Pt # 70213
Description: Rack
20-3/16" L x 1-3/16"W



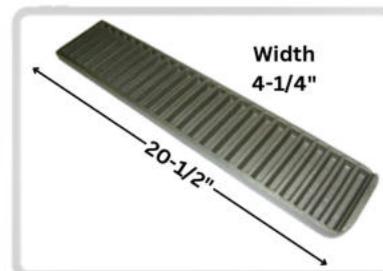
DA Pt # DA-42328
Alt Pt # DA-7028
Description: Rack
16-1/2" L x 2-5/8" W



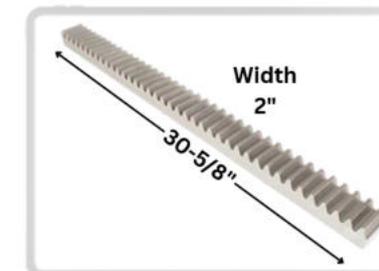
DA Pt # DA-42340
Alt Pt # 4030
Description: Rack
20-1/2" L x 2-3/4" W



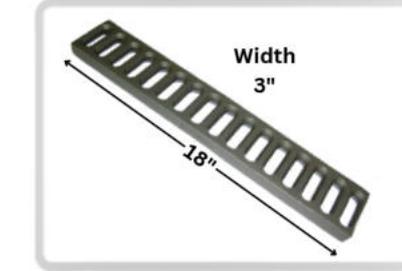
DA Pt # DA-42382
Alt Pt # VPA-6182
Description: Rack
33-3/4" L x 3-1/4" W



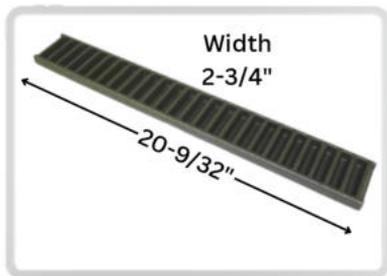
DA Pt # DA-42372
Alt Pt # DA-422
Description: Rack
20-1/2" L x 4-1/4" W



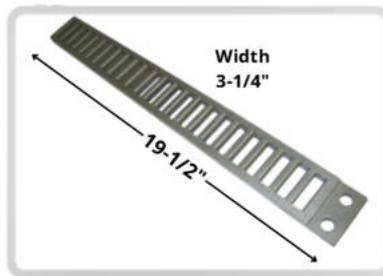
DA Pt # DA-50094
Alt Pt # 50094152
Description: Rack
30-5/8" L x 2"W



DA Pt # DA-42444
Alt Pt # 955002
Description: Rack
18" L x 3"W



DA Pt # DA-10111
Alt Pt # MKE-10111
Description: Rack
20-9/32" L, 2-3/4"W



DA Pt # DA-00185
Alt Pt # 10085-02
Description: Rack
19-1/2"L, 3-1/4"W



DA Pt # DA-00000
Alt Pt # 00000
Description:
Wine Railcar Products



DA Pt # DA-05184
Alt Pt # 10305-184
Description: Rein. Spreader
& Fulcrum, right Door



DA Pt # DA-32272
Alt Pt # M-336-5072
Description: 5th wheel
Release Handle





DA Pt # DA-00640
Alt Pt # RR-640
Description: Narrow Door
 Rapid Release Cam Lock Ass'y



DA Pt # DA-00640-1
Alt Pt # RR-640-1
Description: Narrow Door
 Rapid Release Cam Lock Ass'y



DA Pt # DA-00642
Alt Pt # RR-642
Description: Wide Door
 Rapid Release Cam Lock Ass'y



DA Pt # DA-00642-1
Alt Pt # RR-642-1
Description: Wide Door
 Rapid Release Cam Lock Ass'y

See Rapid Release Assembly Page 11

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Latest News at D.A.

DA Pt # DA-00000
Alt Pt # 00000
Description:
 Wine Railcar Products



DA Pt # DA-00611
Alt Pt # RR-611-L
Description: LH
 Rapid Release Hook



DA Pt # DA-00612
Alt Pt # RR-611-R
Description: RH
 Rapid Release Hook



DA Pt # DA-00651
Alt Pt # RR-651-L
Description: LH
 Rapid Release Hook



DA Pt # DA-00652
Alt Pt # RR-651-R
Description: RH
 Rapid Release Hook



DA Pt # DA-00659
Alt Pt # RR-659-L
Description: LH
 Rapid Release Hook



DA Pt # DA-00660
Alt Pt # RR-659-R
Description: RH,
 Rapid Release Hook



DA Pt # DA-16966
Alt Pt # E-16096-B
Description: Striker
Front Draft Lug Assembly



DA Pt # DA-30001
Alt Pt # DA-30001
Description: Striker &
Front Draft Lug Assembly



DA Pt # DA-14100
Alt Pt # D-10410-C
Description: Striker &
Front Draft Lug Assembly



DA Pt # DA-07033
Alt Pt # M107033-000
Description: Sill Step



DA Pt # DA-05187
Alt Pt # 10305-187
Description: Support
Shaft



DA Pt # DA-33505
Alt Pt # 3505-A
Description:
Truck Damp



DA Pt # DA-14061
Alt Pt # 10314-061
Description: Transition
Casting



Description: Spreader Beam



DA Pt # DA-00403
Alt Pt # 0200403
Description: Z-Shaped
Spreader Beam, Aluminum

| DA Pt. # | Alt Pt. # | Dimensions |
|----------|-----------|---------------|
| DA-10991 | DA-10991 | 6" x 94.375" |
| DA-10992 | DA-10992 | 6" x 99" |
| DA-10993 | DA-10993 | 6" x 97.75" |
| DA-10994 | DA-10994 | 6" x 101.75" |
| DA-10996 | 490562-0 | 6" x 102.375" |



DA Pt # DA-50070
Alt Pt # 093-40051
Description:
Lug for Spring Assist



DA Pt # DA-50030
Alt Pt # 093-40030
Description:
Fulcrum Spring



DA Pt # DA-50034
Alt Pt # 50034
Description:
Spring Guide Adj. Plate



DA Pt # DA-14123
Alt Pt # 131-40123
Description: Green
Spring for Spring Assist

See Complete Spring Assist Assembly Page 7 & 8



DA Pt # DA-50069
Alt Pt # 093-40050
Description:
Spring Assembly Bracket



DA Pt # DA-09048
Alt Pt # 50067
Description:
Spring Guide and Stop



DA Pt # DA-50038
Alt Pt # 131-40121
Description: White
Spring for Spring Assist



DA Pt # DA-00000
Alt Pt # 00000
Description:
Wine Railcar Products



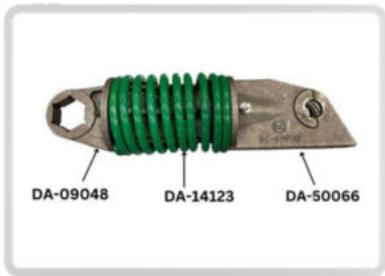
DA Pt # DA-50039
Alt Pt # 093-40028
Description:
Spring Guide



DA Pt # DA-50040
Alt Pt # 093-40029
Description:
Spring Guide Bracket



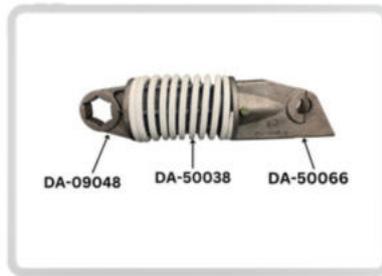
DA Pt # DA-50066
Alt Pt # 093-40047
Description:
Spring Guide Bracket Cap



DA Pt # DA-50000-G

Alt Pt # 50000G

Description: Compressed Spring Assist Assembly #1



DA Pt # DA-50000-W

Alt Pt # 50000W

Description: Compressed Spring Assist Assembly #1



DA Pt # DA-33605

Alt Pt # PK-35

Description: Trunnion Washer



DA Pt # DA-50002-G

Alt Pt # 50002G

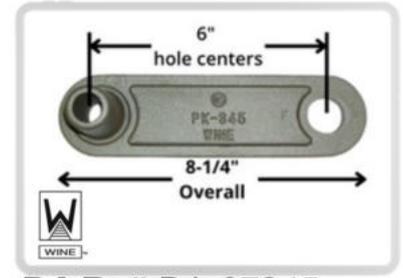
Description: Compressed Spring Assist Assembly #2



DA Pt # DA-50002-W

Alt Pt # 50002W

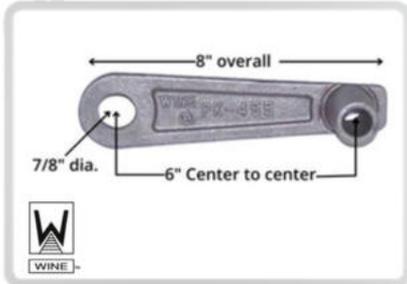
Description: Compressed Spring Assist Assembly #2



DA Pt # DA-37345

Alt Pt # PK-345

Description: Trunnion Washer



DA Pt # DA-43455

Alt Pt # PK-455

Description: Trunnion Washer



DA Pt # DA-11222

Alt Pt # 11222

Description: Vibrator Bracket



DA Pt # DA-11224

Alt Pt # 11224

Description: Vibrator Bracket



DA Pt # DA-01710

Alt Pt # M-167-5000

Description: Bolt on Vibrator Bracket



DA Pt # DA-01711

Alt Pt # DA-167-6000

Description: Weld on Vibrator Bracket



DA Pt # DA-01711-A

Alt Pt # DA-01711-A

Description: Vibrator Bracket Casting & Backing Plate Assembly

Boxcar Parts



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DA Pt # DA-59411
Alt Pt # 029411
Description:
 Adjustable Crankshaft



DA Pt # DA-56278
Alt Pt # 006278
Description:
 Adjustable Rod End



DA Pt # DA-57595
Alt Pt # 027595
Description: Inner
 Anti Kick Back Pawl



DA Pt # DA-57596
Alt Pt # 027596
Description: Outer
 Anti Kick Back Pawl



DA Pt # DA-58326
Alt Pt # 058326
Description: 5-5/16"
 Bottom Crank & Extension



DA Pt # DA-60169
Alt Pt # 060169
Description: 6-1/8"
 Bottom Crank & Extension



DA Pt # DA-56381
Alt Pt # 056381
Description:
 Bracket, Auxiliary Lock Sill



DA Pt # DA-53229
Alt Pt # 053229
Description:
 Bracket, Lock Post



DA Pt # DA-50562
Alt Pt # 053565
Description:
 Cam, Lower Operating



DA Pt # DA-53559
Alt Pt # 053559
Description:
 Cam, Operating



DA Pt # DA-59200
Alt Pt # 059200
Description:
 Cam, Upper Operating



DA Pt # DA-58992
Alt Pt # 028992
Description:
 Cam, Seal Cam Casting



DA Pt # DA-58330
Alt Pt # 038330
Description:
 Clevis Casting



DA Pt # DA-53181
Alt Pt # 063181
Description:
 Connector Clevis



DA Pt # DA-58030
Alt Pt # 058030
Description:
 Door Stop



DA Pt # DA-53548
Alt Pt # 010892
Description:
 Gear



DA Pt # DA-57029
Alt Pt # 057029
Description:
 Handle Casting



DA Pt # DA-53802
Alt Pt # 53802
Description: 2pc Kit
 Hasp Body & End



DA Pt # DA-53800
Alt Pt # 005155
Description:
 Hasp, Body



DA Pt # DA-53801
Alt Pt # 005157
Description:
 Hasp, End



DA Pt # DA-55159
Alt Pt # 005159
Description:
 Hasp, Lock



DA Pt # DA-54494
Alt Pt # 041494
Description:
 Hold Open Arm



DA Pt # DA-53555
Alt Pt # 053555
Description:
 Lever Adapter



DA Pt # DA-57687
Alt Pt # 027687
Description:
 Lock Side Bolt



DA Pt # DA-58978
Alt Pt # 028978
Description:
 Lock Wedge Assembly



DA Pt # DA-58980
Alt Pt # 028980
Description:
 Lock Wedge Assembly



DA Pt # DA-57715
Alt Pt # 027715
Description:
 Pipe Bottom Extension



DA Pt # DA-34175
Alt Pt # 005463
Description:
 Ratchet Pawl



DA Pt # DA-57650
Alt Pt # 027650
Description:
 Ratchet Pawl



DA Pt # DA-57400
Alt Pt # 027400
Description:
 Rod End Casting



DA Pt # DA-52340
Alt Pt # 002340
Description:
 Roller Assembly



DA Pt # DA-57385-1
Alt Pt # 027349
Description:
 Roller Housing w/ Hook



DA Pt # DA-50498-1
Alt Pt # 050498
Description:
 Roller Housing w/o Hook



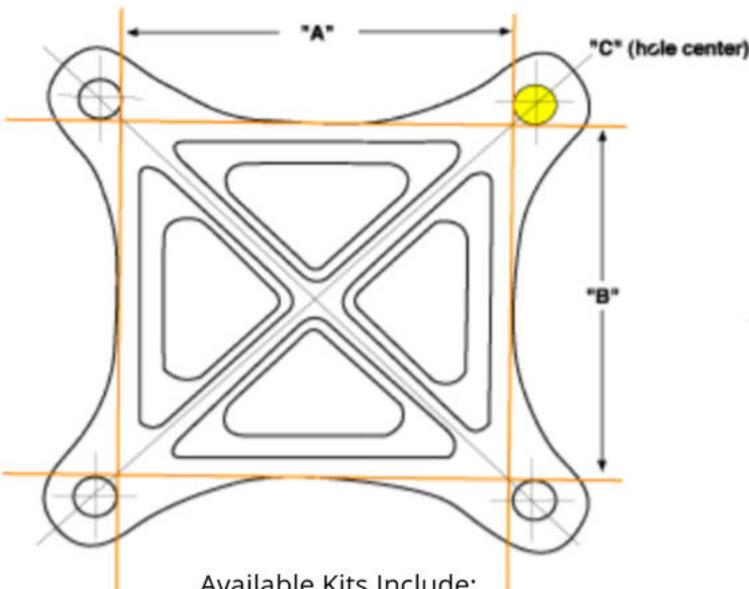
DA Pt # DA-57382
Alt Pt # 027382
Description:
 Roller Stop Casting



DA Pt # DA-43279
Alt Pt # 43279
Description:
 Seal Cam Assembly

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Bus Bar Clamps



Available Kits Include:
2-Bus Bar Clamps, 4-GR.8 Bolts, 4-Nuts

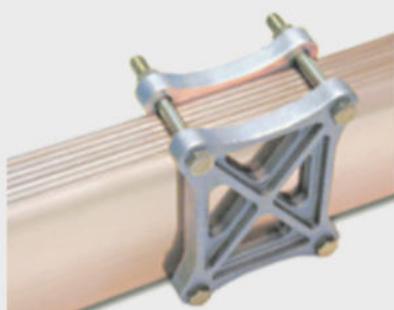
| Bus Bar Clamp Bolt Length Table | | | | |
|---------------------------------|-----------------------------|--------------|-----------------------------|--------------|
| # Laminations | Clamp Sizes: 4x4 4x6 6x6 | | Clamp Sizes: 4x8 6x8 8x8 | |
| | 0.25" Copper | 0.50" Copper | 0.25" Copper | 0.50" Copper |
| 2 | 2.75" | 3.275" | 3.50" | 4.00" |
| 3 | 3.00" | 3.750" | 3.75" | 4.50" |
| 4 | 3.25" | 4.250" | 4.00" | 5.00" |
| 5 | 3.50" | 4.750" | 4.25" | 5.50" |
| 6 | 3.75" | 5.250" | 4.50" | 6.00" |
| 7 | 4.00" | 5.750" | 4.75" | 6.50" |
| 8 | 4.25" | 6.250" | 5.00" | 7.00" |
| 9 | 4.50" | 6.750" | 5.25" | 7.50" |
| 10 | 4.75" | 7.250" | 5.50" | 8.00" |
| 11 | 5.00" | 7.750" | 5.75" | 8.50" |
| 12 | 5.25" | 8.250" | 6.00" | 9.00" |
| 13 | 5.50" | 8.750" | 6.25" | 9.50" |
| 14 | 5.75" | 9.250" | 6.50" | 10.00" |
| 15 | 6.00" | 9.750" | 6.75" | 10.50" |
| 16 | 6.25" | 10.250" | 7.00" | 11.00" |
| 17 | 6.50" | 10.750" | 7.25" | 11.50" |
| 18 | 6.75" | 11.250" | 7.50" | 12.00" |
| 19 | 7.00" | 11.750" | 7.75" | 12.50" |
| 20 | 7.25" | 12.250" | 8.00" | 13.00" |

| Bus Bar Clamps and Kits | | | | |
|-------------------------|----------|------|------|--------|
| Part Number | Est. Wt. | "A" | "B" | "C" |
| DA-750426 | 3.1 lbs | 4.00 | 4.00 | 1/2-13 |
| DA-750427 | 3.3 lbs | 4.00 | 6.00 | 1/2-13 |
| DA-750428 | 3.6 lbs | 6.00 | 6.00 | 1/2-13 |
| DA-750429 | 3.6 lbs | 4.00 | 8.00 | 5/8-11 |
| DA-750430 | 7.1 lbs | 6.00 | 8.00 | 5/8-11 |
| DA-750431 | 7.8 lbs | 8.00 | 8.00 | 5/8-11 |
| DA-750426-K | 7 lbs | 4.00 | 4.00 | 1/2-13 |
| DA-750427-K | 7.5 lbs | 4.00 | 6.00 | 1/2-13 |
| DA-750428-K | 8 lbs | 6.00 | 6.00 | 1/2-13 |
| DA-750429-K | 8 lbs | 4.00 | 8.00 | 5/8-11 |
| DA-750430-K | 15 lbs | 6.00 | 8.00 | 5/8-11 |
| DA-750431-K | 17 lbs | 8.00 | 8.00 | 5/8-11 |

Rec. Torque Specifications:
40 ft. lbs.

Rec. Torque Specifications:
40 ft. lbs.

| TYPICAL CHEMICAL ANALYSIS* AISI C-1045 | | | | | MINIMUM KEEL BLOCK TEST BAR PROPERTIES | | | | | TYPICAL HARDNESS |
|--|-----|------|---------|---------|--|--------------------|----------------|--------------|----------------|------------------|
| C% | MN% | SI% | P% Max. | S% Max. | Ultimate Strength PSI | Yield Strength PSI | Elong. In 2" % | Red. In Area | Heat Treatment | Brinell Hardness |
| 0.45 | 0.7 | 0.45 | 0.05 | 0.05 | 90,000 | 60,000 | 20 | 40 | Q&T | 180-230 |



*Medium Carbon Steel - Investment castings produced from these steels are readily machinable, readily welded, and have excellent Ductility.
Finish Required - Hot Dip Galvanized



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Part Index

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| | D.A. Part Number | Alt. Pt. Number | Description | Weight (lbs) | Page Number |
|---|------------------|-----------------|---|--------------|-------------|
| A | DA-59411 | 029411 | Adjustable Crankshaft | 1.3 | 61 |
| | DA-56278 | 006278 | Adjustable Rod End | 3.3 | 61 |
| B | DA-01213 | C-1213 | Bail Lever | 6.7 | 46 |
| | DA-12200 | OPC-122 | Bar Socket | 4.2 | 12 |
| | DA-61272 | 2CH-642-A | Bearing | 8.6 | 13 |
| | DA-63282 | 2CH-642-B | Bearing | 8.6 | 13 |
| | DA-14504 | CL-4-A | Bearing | 4.0 | 13 |
| | DA-14514 | CL-4-B | Bearing | 4.0 | 13 |
| | DA-13413 | CL-3-A | Bearing | 6.5 | 13 |
| | DA-13423 | CL-3-B | Bearing | 6.5 | 13 |
| | DA-23108 | 2CH-258 | Bearing | 1.8 | 13 |
| | DA-00648 | DA-648 | Bearing Block | 3.2 | 13 |
| | DA-43433 | PK-433 | Bearing Block | 0.5 | 13 |
| | DA-11008 | OPC-118 | Bearing, Center Bearing | 5.5 | 12 |
| | DA-12000 | OPC-120 | Bearing, Outer Bearing | 6.0 | 12 |
| | DA-53619 | 000619 | Bell Crank, AAR 55 | 9.4 | 13 |
| | DA-53850 | 000850 | Bell Crank, AAR 66 | 12.1 | 13 |
| | DA-03654 | DA-3654-140 | Bolster Rim Replacement, 14" dia. | 13.6 | 14 |
| | DA-03710 | DA-3709-141 | Bolster Rim Replacement, 14" dia. | 20.0 | 14 |
| | DA-03711 | DA-3709-160 | Bolster Rim Replacement, 16" dia. | 21.8 | 14 |
| | DA-58326 | 058326 | Bottom Crank & Extension, 5-5/16" | 15.2 | 61 |
| | DA-60169 | 060169 | Bottom Crank & Extension, 6-1/8" | | 61 |
| | DA-18176 | PK-176-A | Bracket | 6.5 | 14 |
| | DA-18276 | PK-176-B | Bracket | 6.5 | 14 |
| | DA-30341 | PK-341-A | Bracket | 7.0 | 14 |
| | DA-31341 | PK-341-B | Bracket | 7.0 | 14 |
| | DA-45482 | PK-482-A | Bracket | 7.0 | 14 |
| | DA-46482 | PK-482-B | Bracket | 7.0 | 14 |
| | DA-43481 | PK-481 | Bracket - See DA-48134 | 8.0 | 47 |
| | DA-28275-A | 28275-A | Bracket For Gate Lock | 2.8 | 33 |
| | DA-28275-B | 28275-B | Bracket For Gate Lock | 2.8 | 33 |
| | DA-56381 | 056381 | Bracket, Auxiliary Lock Sill | 1.0 | 61 |
| | DA-31513 | MC-410 | Bracket, Dead Lever Clevis Bracket | 8.0 | 17 |
| | DA-42467 | MC-467 | Bracket, Eyebolt Connection Bracket | 6.6 | 15 |
| | DA-43511 | MC-511 | Bracket, Eyebolt Bracket | 8.0 | 15 |
| | DA-48234 | PK-482-A-34 | Bracket, Fulcrum Bracket | 7.0 | 14 |
| | DA-48334 | PK-482-B-34 | Bracket, Fulcrum Bracket | 7.0 | 14 |
| | DA-04268 | T-130 | Bracket, Fulcrum Bracket | 9.3 | 32 |
| | DA-15128 | CH-127-B | Bracket, Latch Bracket | 2.0 | 46 |
| | DA-15127 | CH-127-A | Bracket, Latch Bracket | 2.0 | 46 |
| | DA-30651 | 4999930651 | Bracket, L-Bracket, 1/4" Thick | 4.0 | 49 |
| | DA-53229 | 053229 | Bracket, Lock Post Bracket | 0.8 | 61 |
| | DA-52090 | 6877 | Bracket, Lock Weld/Seal Bracket Assembly - Left Hand | 3.2 | 48 |
| | DA-50772 | 06772-LH | Bracket, Lock Weld/Seal Bracket Assembly - Left Hand | 3.2 | 48 |
| | DA-50774 | 7043 | Bracket, Lock Weld/Seal Bracket Assembly - Left Hand | 3.2 | 48 |
| | DA-52101 | 6878 | Bracket, Lock Weld/Seal Bracket Assembly - Right Hand | 3.2 | 48 |
| | DA-50773 | 06773-RH | Bracket, Lock Weld/Seal Bracket Assembly - Right Hand | 3.2 | 48 |
| | DA-50775 | 7044 | Bracket, Lock Weld/Seal Bracket Assembly -Right Hand | 3.2 | 48 |
| | DA-42498 | MC-498 | Bracket, Pipe Bracket | 11.1 | 50 |
| | DA-50069 | 093-40050 | Bracket, Spring Assembly Bracket | 5.7 | 57 |
| | DA-50040 | 093-40029 | Bracket, Spring Guide Bracket | 10.0 | 57 |



| D.A. Part Number | Alt. Pt. Number | Description | Weight (lbs) | Page Number |
|--|-----------------|--|--------------|-------------|
| DA-50066 | 093-40047 | Bracket, Spring Guide Bracket Cap | 16.9 | 57 |
| DA-11224 | 11224 | Bracket, Vibrator Bracket | 24.8 | 58 |
| DA-11222 | 11222 | Bracket, Vibrator Bracket | 33.0 | 58 |
| DA-01711-A | DA-01711-A | Bracket, Vibrator Bracket & Backing Plate Assembly | 79.5 | 58 |
| DA-01710 | M-167-5000 | Bracket, Vibrator Bracket, Bolt-On | 37.2 | 58 |
| DA-01711 | DA-167-6000 | Bracket, Vibrator Bracket, Weld-On | 37.1 | 58 |
| Bus Bar Clamps Chart Pg. 65 | | | | |
| DA-43514 | MC-514 | Bushing | 1.2 | 14 |
| C DA-41512 | 4CL-15-2 | Cam Lock Assembly, Long, Left Hand | 64.0 | 15 |
| DA-41612 | 4CL-16-2 | Cam Lock Assembly, Long, Right Hand | 64.0 | 15 |
| DA-41511 | 4CL-15-1 | Cam Lock Assembly, Short, Left Hand | 65.2 | 15 |
| DA-41611 | 4CL-16-1 | Cam Lock Assembly, Short, Right Hand | 60.0 | 15 |
| DA-00640 | RR-640 | Cam Lock Ass'y for Rapid Release, Narrow Door | 226.0 | 55 |
| DA-00640-1 | RR-640-1 | Cam Lock Ass'y for Rapid Release, Narrow Door | 238.0 | 55 |
| DA-00642 | RR-642 | Cam Lock Ass'y for Rapid Release, Wide Door | 228.0 | 55 |
| DA-00642-1 | RR-642-1 | Cam Lock Ass'y for Rapid Release, Wide Door | | 55 |
| DA-17023 | CL-2-B | Cam Lock, Inner, Left Hand | 4.3 | 15 |
| DA-17012 | CL-2-A | Cam Lock, Inner, Right Hand | 4.3 | 15 |
| DA-17011 | CL-1-A | Cam Lock, Outer, Left Hand | 5.0 | 15 |
| DA-10001 | CL-1-B-1 | Cam Lock, Outer, Left Hand | 5.5 | 15 |
| DA-17111 | CL-1-B | Cam Lock, Outer, Right Hand | 5.0 | 15 |
| DA-10011 | CL-1-A-1 | Cam Lock, Outer, Right Hand | 5.5 | 15 |
| DA-50562 | 053562 | Cam, Lower Operating Cam | 1.3 | 61 |
| DA-53559 | 053559 | Cam, Operating Cam | 0.4 | 61 |
| DA-59200 | 059200 | Cam, Upper Operating Cam | 1.3 | 61 |
| DA-33633 | FD-3063 | Capstan | 7.2 | 17 |
| DA-42391 | DA-4081 | Capstan | 7.8 | 16 |
| DA-10080 | E-10080 | Capstan | 14.7 | 16 |
| DA-16298 | 16298 | Capstan | 14.0 | 16 |
| DA-08843 | E-8843 | Capstan | 14.1 | 16 |
| DA-00158 | 530-0158 | Capstan Casting | 12.6 | 16 |
| DA-33142 | 2CH-322 | Capstan Lock | 1.1 | 17 |
| DA-91701 | D965361-2 | Capstan Reinforcement | 2.8 | 17 |
| DA-43413 | DA-403 | Capstan | 14.0 | 16 |
| DA-65005 | GM165005 | Capstan, Gate Drive Capstan | 10.6 | 16 |
| DA-41931 | DA-402-1 | Capstan, Long | 20.0 | 16 |
| DA-41902 | DA-402 | Capstan, Long Universal Capstan with Insert | 17.6 | 16 |
| DA-25690 | OVPA-2569 | Capstan, Outlet Gate Capstan, Square Hole | 9.6 | 16 |
| DA-01211 | 2CH-121 | Capstan, Outlet Gate Capstan, Square Hole | 7.6 | 16 |
| DA-41890 | DA-400 | Capstan, Short Universal Capstan with Insert | 7.6 | 16 |
| DA-05219 | 10305-219 | Casting Door Mechanism | 71.0 | 18 |
| DA-11008 | OPC-118 | Center Bearing | 5.5 | 12 |
| DA-58330 | 038330 | Clevis Casting | 2.0 | 62 |
| DA-05272 | 10305-272 | Clevis, Slotted Cylinder | 21.1 | 17 |
| DA-50000-G | 50000G | Compressed Spring Assist Assembly #1 | 55.0 | 58 |
| DA-50000-W | 50000W | Compressed Spring Assist Assembly #1 | | 58 |
| DA-50002-G | 50002G | Compressed Spring Assist Assembly #2 | 39.0 | 58 |
| DA-50002-W | 50002W | Compressed Spring Assist Assembly #2 | | 58 |
| Compressed Spring Assist Assembly Chart Pg. 7 | | | | |
| DA-05032 | 10305-032 | Connector - Operating Beam | 16.7 | 17 |
| DA-53181 | 063181 | Connector Clevis | | 62 |



| D.A. Part Number | Alt. Pt. Number | Description | Weight (lbs) | Page Number |
|------------------|-----------------|---|--------------|-------------|
| DA-43431 | DA-404-1 | Conversion Kit 61" | 115.0 | 17 |
| DA-41424 | DA-404 | Conversion Kit 66" | | 17 |
| DA-41517 | MC-477 | Corner Cap | 13.5 | 17 |
| DA-70100 | 70100 | Corner Cap | 11.5 | 17 |
| DA-41518 | DA-700 | Corner Cap | 11.2 | 17 |
| DA-32580 | 3799 | Coupler Carrier Wear Plate, Manganese | 6.6 | 18 |
| DA-32581 | 3258 | Coupler Carrier Wear Plate, Manganese | 8.9 | 18 |
| DA-40406 | MC-406 | Crossridge Brace Foot | 7.7 | 18 |
| DA-40900 | MC-409 | Crossridge Brace Foot | 8.5 | 18 |
| DA-05495 | 10305-495 | Cylinder, Fulcrum Casting | 78.3 | 32 |
| D DA-43398 | 4CH-418-RH | Door Gate Complete | 248.6 | 20 |
| DA-63401 | 4CH-641 | Door Gate Complete | 524.0 | 20 |
| DA-43388 | 4CH-418-LH | Door Gate Complete, 24" x 13" Opening | 248.6 | 20 |
| DA-42387 | 4CH-257 | Door Gate Complete, 30" x 24" Opening | 388.0 | 20 |
| DA-49090 | DA-490-L | Door Gate Complete, Left Hand | 210.0 | 20 |
| DA-49091 | DA-490-R | Door Gate Complete, Right Hand | 210.0 | 20 |
| DA-41329 | 3CH-429 | Door Slide Assembly, 30-1/2" x 50-1/4", Rack Centers 43-7/16" | 196.0 | 25 |
| DA-21304 | 3CH-214 | Door Slide Assembly, 32" x 51-7/8", Rack Centers 45-1/8" | 200.9 | 24 |
| DA-11286 | 3000904 | Door Slide Assembly, 15-5/16" x 50", Rack Centers 37-1/4" | | 27 |
| DA-71106 | 3000280 | Door Slide Assembly, 16" x 47", Pinion Centers 50" | 164.0 | 21 |
| DA-05765 | 031972-0 | Door Slide Assembly, 17-1/8" to bend x 43", Rack Centers 37-5/8", Style #5 | 84.0 | 28 |
| DA-31139 | 2CH-309 | Door Slide Assembly, 18" x 44-1/2", Rack Centers 37-3/4" | 98.8 | 24 |
| DA-50209 | 50209 | Door Slide Assembly, 18-1/2" to bend x 50-1/2" x Rack Centers 39" | 104.0 | 27 |
| DA-50202 | 810-031964-0 | Door Slide Assembly, 18-1/2" to bend x 50-1/2", Rack Centers 37-1/4", Style #2A | 104.0 | 28 |
| DA-50201 | LCGX | Door Slide Assembly, 18-1/2" to bend x 50-1/2", Rack Centers 39-1/4" | | 23 |
| DA-50203 | Style #3 | Door Slide Assembly, 18-3/4" x 23-3/4", Rack Centers 17-1/8" | 76.0 | 28 |
| DA-71150 | 71150 | Door Slide Assembly, 19" x 50", Pinion Centers 50" | | 22 |
| DA-50210 | 50210 | Door Slide Assembly, 19-3/8" to bend x 52", Rack Centers 41-3/8" | | 27 |
| DA-05374 | 810-146009-0 | Door Slide Assembly, 19-7/16" x 43", Rack Centers 37-5/8" | 78.0 | 28 |
| DA-50204 | 50204 | Door Slide Assembly, 21-1/2" to bend x 50-1/2", Rack Centers 37-1/4" | | 27 |
| DA-61294 | 2CH-654-1 | Door Slide Assembly, 21-1/2" x 25-1/2", Rack Centers 15-3/4" | 82.0 | 25 |
| DA-63671 | 203550038 | Door Slide Assembly, 21-1/8" x 39-1/8", Rack Centers 51" | | 29 |
| DA-74510 | 74510 | Door Slide Assembly, 22-7/8" x 24-3/8", Pinion Centers 28", Left Hand | | 22 |
| DA-74520 | 74520 | Door Slide Assembly, 22-7/8" x 24-3/8", Pinion Centers 28", Right Hand | | 22 |
| DA-41254 | 2CH-404 | Door Slide Assembly, 26-1/2" x 26-1/2", Rack Centers 19-3/4" | 91.3 | 25 |
| DA-05804 | 810-031998-0 | Door Slide Assembly, 26-1/2" x 26-1/2", Rack Centers 19-7/8", Style #4 | 72.0 | 28 |
| DA-71140 | 71140 | Door Slide Assembly, 28" x 32-3/8", Pinion Centers 27-1/2" | | 22 |
| DA-31313 | 3CH-303 | Door Slide Assembly, 30-7/8" x 49-3/4", Rack Centers 43" | 187.5 | 24 |
| DA-31397 | 2CH-397 | Door Slide Assembly, 31" x 51-7/8", Rack Centers 45-1/8" | | 24 |
| DA-41328 | 41328 | Door Slide Assembly, 31-1/2" x 49-1/2", Rack Centers 43-1/2" | 194.0 | 25 |
| DA-10070 | MKE10070 | Door Slide Assembly, 33-3/4" to bend x 50", Rack centers 44-3/8" | 180.0 | 27 |
| DA-78134 | 3000597 | Door Slide Assembly, 33-5/8" to bend x 31-3/4", Rack Centers 26" | 145.0 | 23 |
| DA-71132 | 71132 | Door Slide Assembly, 34-1/2" x 31-1/8", Pinion Centers 35-3/4" | | 21 |
| DA-07987 | 7987 | Door Slide Assembly, 34-3/4" x 31-3/4", Rack Centers 26" | 154.0 | 26 |
| DA-08410 | 08410 | Door Slide Assembly, 34-5/8" to bend x 31-3/4", Rack Centers 24" | 140.0 | 26 |
| DA-71132-SP | 71132SP | Door Slide Assembly, 34-7/8" x 31-7/8", Pinion Centers 35-3/4" | 158.0 | 21 |
| DA-71133 | 71133 | Door Slide Assembly, 35" x 32", Pinion Centers 26-1/2" | 158.0 | 21 |
| DA-10054 | 10054 | Door Slide Assembly, 35-1/2" x 32", Rack Centers 26-1/2" | | 23 |
| DA-50289 | 810-456723-0 | Door Slide Assembly, 35-3/4" x 31-3/4", Rack Centers 26-1/4" | 128.0 | 23 |
| DA-21111 | 2CH-259-1 | Door Slide Assembly, 35-3/4" x 32-5/8", Rack Centers 25-3/4" | 102.0 | 24 |
| DA-30003 | 3000623 | Door Slide Assembly, 35-3/4" x 43-3/16", Rack Centers 31-3/4" | | 29 |



| D.A. Part Number | Alt. Pt. Number | Description | Weight (lbs) | Page Number |
|------------------|-----------------|--|--------------|-------------|
| DA-71131 | 71131 | Door Slide Assembly, 36" x 31-1/8", Pinion Centers 36-1/4" | | 21 |
| DA-07118 | 7118 | Door Slide Assembly, 36-3/8" x 32-3/4", Rack Centers 24-3/4" | 164.0 | 26 |
| DA-10515 | 10515 | Door Slide Assembly, 38" x 31" | | 26 |
| DA-32300 | 2CH-323 | Door Slide Assembly, 38" x 32-5/8", Rack Centers | 154.2 | 24 |
| DA-10062 | MKE-10062 | Door Slide Assembly, 38-1/2" x 31-5/8", Rack Centers 24-1/2" | 134.0 | 27 |
| DA-10061 | 3000823 | Door Slide Assembly, 38-7/16" x 31-9/16", Rack Centers 24-1/2" | | 23 |
| DA-30006 | 3000627 | Door Slide Assembly, 42-13/16" x 32-3/4", Rack Centers 28-5/8" | | 29 |
| DA-10066 | 10066 | Door Slide Assembly, 47" x 34-1/2", Rack Centers 28-7/8" | | 26 |
| DA-50287 | 810-031956-0 | Door Slide Assembly, 34-1/4" x 31-3/4", Rack Centers 26-1/4", Style #1 | 126.0 | 23 |
| DA-50037 | 5050037 | Door Stop | 2.9 | 18 |
| DA-58030 | 058030 | Door Stop | | 62 |
| DA-00850-2 | 1009899 | Draft Key Retainer | 2.5 | 18 |
| DA-00850-1 | 1009688 | Draft Key Retainer, Keeper for Draft Key Retainer | 0.4 | 18 |
| DA-81777 | 578106-0 | Draft Lug, Front | 27.6 | 18 |
| DA-45461 | 2MC-461 | Draft Lug, Front, 16-1/4" x 11-1/8" | 32.5 | 18 |
| DA-07800 | 70754520 | Draft Lug, Front, Forging | 26.5 | 19 |
| DA-07481 | 107481-01 | Draft Lug, Front, Forging | 27.4 | 19 |
| DA-09462 | 09462 | Draft Lug, Rear, 4-5/8" x 12-3/8" Forging | 10.4 | 19 |
| DA-32220 | CB-220 | Draft Lug, Rear, 11" x 10-1/4" | 39.5 | 19 |
| DA-18004 | B-10804 | Draft Lug, Rear, 15-7/8" x 10-1/4" | 47.1 | 19 |
| DA-10028 | CB-128 | Draft Lug, Rear, 17" x 9-3/4" | 55.0 | 18 |
| DA-90346 | B-9346 | Draft Lug, Rear, 20-3/4" x 11" | 41.0 | 19 |
| DA-53704 | 70653716 | Draft Lug, Rear, Left Hand, Forging | 47.5 | 19 |
| DA-15155 | 50154-L | Draft Lug, Rear, Left Hand, Forging | 41.0 | 19 |
| DA-53705 | 70653717 | Draft Lug, Rear, Right Hand, Forging | 44.9 | 19 |
| DA-15154 | 50154-R | Draft Lug, Rear, Right Hand, Forging | 41.0 | 19 |
| DA-14100 | D-10410-C | Draft Lug, Striker & Front Draft Lugs | 182.0 | 56 |
| DA-16966 | E-16096-B | Draft Lug, Striker & Front Draft Lugs | 106.0 | 56 |
| DA-30001 | 30001 | Draft Lug, Striker & Front Draft Lugs, Type E | 178.0 | 56 |
| E DA-60606 | PK-6 | Eccentric | 1.6 | 30 |
| DA-31236 | PK-36 | Eccentric | 1.6 | 30 |
| DA-11900 | OPC-119 | Eccentric | 6.5 | 12 |
| DA-50068 | 093-40049 | Eccentric Nut, Forging | 1.4 | 30 |
| DA-17025 | CL-25 | End Cap | 0.4 | 30 |
| DA-31808 | PK-318-A | Extension | 7.2 | 30 |
| DA-31818 | PK-318-B | Extension | 7.2 | 30 |
| DA-48908 | PK-489-A | Extension | 9.5 | 30 |
| DA-48918 | PK-489-B | Extension | 9.5 | 30 |
| DA-32101 | PK-321-A | Extension | 8.0 | 30 |
| DA-32102 | PK-321-B | Extension | 7.8 | 30 |
| DA-40431 | PK-431-A | Extension | 7.8 | 31 |
| DA-41431 | PK-431-B | Extension | 7.8 | 31 |
| DA-41454 | PK-454-A | Extension | 8.7 | 31 |
| DA-42454 | PK-454-B | Extension | 8.7 | 31 |
| DA-42457 | PK-457-A | Extension | 10.5 | 31 |
| DA-43457 | PK-457-B | Extension | 10.5 | 31 |
| DA-43487 | PK-487-A | Extension | 9.6 | 31 |
| DA-44487 | PK-487-B | Extension | 9.6 | 31 |
| DA-47134 | PK-471-A-34 | Extension | 13.0 | 31 |
| DA-47234 | PK-471-B-34 | Extension | 13.0 | 31 |
| DA-48483 | PK-483-A | Extension | 9.6 | 30 |

| D.A. Part Number | Alt. Pt. Number | Description | Weight (lbs) | Page Number |
|-------------------|-----------------|---|--------------|-------------|
| DA-48493 | PK-483-B | Extension | 9.6 | 30 |
| DA-47487 | PK-487-AX | Extension | 13.4 | 31 |
| DA-48487 | PK-487-BX | Extension | 12.9 | 31 |
| F DA-28261 | PK-261-A | Filler | 2.4 | 32 |
| DA-29261 | PK-261-B | Filler | 2.4 | 32 |
| DA-12611 | PK-261-A-1 | Filler | 2.4 | 32 |
| DA-22611 | PK-261-B-1 | Filler | 2.4 | 32 |
| DA-31780 | DA-3178 | Filler, Casting, 13/16" dia. Holes | 3.6 | 32 |
| DA-44839 | 44839 | Friction Shoe | 23.0 | 33 |
| DA-05563 | 10305-563 | Fulcrum, Left Door Spreader | 24.3 | 32 |
| DA-05564 | 10305-564 | Fulcrum, Right Door Spreader | 29.3 | 32 |
| DA-50030 | 093-40030 | Fulcrum, Spring Assist Fulcrum | 3.0 | 57,33 |
| G DA-28274 | 3000595 | Gate Lock Bar Assembly | 11.8 | 33 |
| DA-28274-SP | 28274SP | Gate Lock Bar Assembly Kit | 11.7 | 33 |
| DA-28273 | A-028273 | Gate Lock End Piece | 2.4 | 33 |
| DA-53548 | 010892 | Gear | 13.5 | 62 |
| H DA-57029 | 057029 | Handle Casting | 7.2 | 62 |
| DA-50300 | DA-503 | Handle, Operating Handle, Stainless Steel | 0.6 | 33 |
| DA-81690 | 212-30120 | Hanger for Rave Door, Casting | 1.7 | 33 |
| DA-53802 | 53802 | Hasp, 2pc kit (body & end) | 4.1 | 62 |
| DA-53800 | 005155 | Hasp, Body | 3.4 | 62 |
| DA-53801 | 005157 | Hasp, End | 0.9 | 62 |
| DA-55159 | 005159 | Hasp, Lock | | 62 |
| DA-50090 | MB-253-5090 | Headed Pin | 2.3 | 34 |
| DA-50016 | 093-40019 | Hinge | 7.0 | 34 |
| DA-42499 | MC-499 | Hinge | 6.5 | 34 |
| DA-23261 | HF-261 | Hinge | 8.8 | 34 |
| DA-14011 | 11140-11 | Hinge | 8.1 | 34 |
| DA-12130 | V-12130 | Hinge | 7.1 | 34 |
| DA-50017 | 093-40020 | Hinge Butt | 3.8 | 35 |
| DA-14043 | UC-43 | Hinge Butt | 10.4 | 35 |
| DA-43512 | MC-512 | Hinge Butt | 5.3 | 35 |
| DA-40391 | 093-40391 | Hinge Butt | 4.5 | 35 |
| DA-51028 | 10251-028 | Hinge Butt | 11.6 | 35 |
| DA-30113 | 212-30113 | Hinge Leaf, Three Knuckle | 1.4 | 35 |
| DA-30112 | 212-30112 | Hinge Leaf, Two Knuckle | 0.9 | 35 |
| DA-12545 | DA-11746 | Hinge Pin | 1.4 | 34 |
| DA-05182 | 10305-182 | Hinge, Door Hinge | 28.2 | 34 |
| DA-05562 | 10305-562 | Hinge, Door Hinge | 35.9 | 34 |
| DA-05561 | 10305-561 | Hinge, Door Separator Hinge | 21.6 | 34 |
| DA-50092-HD | 1098746 | Hinge, Heavy Duty | 6.0 | 34 |
| DA-54494 | 041494 | Hold Open Arm | 0.9 | 62 |
| DA-22527 | PK-27-X | Hook | 8.0 | 35 |
| DA-34234 | PK-342-34 | Hook | 7.5 | 35 |
| DA-48134 | PK-481-34 | Hook | 8.0 | 35 |
| DA-00611 | RR-611-L | Hook for Rapid Release, Left Hand | 8.7 | 55 |
| DA-00651 | RR-651-L | Hook for Rapid Release, Left Hand | 8.4 | 55 |
| DA-00659 | RR-659-L | Hook for Rapid Release, Left Hand | 9 | 55 |
| DA-00612 | RR-611-R | Hook for Rapid Release, Right Hand | 8.7 | 55 |
| DA-00652 | RR-651-R | Hook for Rapid Release, Right Hand | 8.4 | 55 |
| DA-00660 | RR-659-R | Hook for Rapid Release, Right Hand | 8.3 | 55 |



| D.A. Part Number | Alt. Pt. Number | Description | Weight (lbs) | Page Number |
|------------------|-----------------|--|--------------|-------------|
| DA-17209 | CL-19-A | Hook, Inner | 9.0 | 36 |
| DA-17028 | CL-28 | Hook, Inner | 10.0 | 36 |
| DA-17160 | CL-60 | Hook, Inner | 9.3 | 36 |
| DA-17224 | CL-24-B | Hook, Inner | 8.9 | 36 |
| DA-17309 | CL-39-A | Hook, Inner | 8.4 | 36 |
| DA-17339 | CL-39-B | Hook, Inner | 8.6 | 36 |
| DA-17503 | CL-13-A | Hook, Inner | 9.0 | 36 |
| DA-17513 | CL-13-B | Hook, Inner | 9.0 | 36 |
| DA-17219 | CL-19-B | Hook, Inner | 9.0 | 36 |
| DA-17156 | CL-66-A | Hook, Outside | 7.4 | 36 |
| DA-17166 | CL-66-B | Hook, Outside | 7.2 | 36 |
| DA-17349 | CL-59-A | Hook, Outside | 7.0 | 37 |
| DA-17359 | CL-59-B | Hook, Outside | 7.2 | 37 |
| DA-17605 | CL-65-A | Hook, Outside | 7.8 | 37 |
| DA-17665 | CL-65-B | Hook, Outside | 8.2 | 37 |
| DA-17512 | CL-12-A | Hook, Outside | 7.5 | 37 |
| DA-17612 | CL-12-B | Hook, Outside | 7.0 | 37 |
| DA-28020 | CL-20-A | Hook, Outside | 9.5 | 37 |
| DA-28120 | CL-20-B | Hook, Outside | 9.5 | 37 |
| DA-23527 | CL-27-A | Hook, Outside | 8.0 | 37 |
| DA-23627 | CL-27-B | Hook, Outside | 7.3 | 37 |
| DA-17308 | CL-38-A | Hook, Outside | 7.2 | 37 |
| DA-17338 | CL-38-B | Hook, Outside | 7.2 | 37 |
| DA-10518 | M105186-000 | Hopper Door, .313" Thick | | 41 |
| DA-75793-1 | 75793-010 | Hopper Door, Aluminum, 5083 H116 | | 38 |
| DA-75793-2 | 75793-020 | Hopper Door, Aluminum, 5083 H116 | | 38 |
| DA-176004-AL | D-170-6004 | Hopper Door, Aluminum, Large, 1/4" Thick, 45" x 28-3/4" Overall | | 43 |
| DA-17002 | D-170-7002 | Hopper Door, Aluminum, Left Hand | | 38 |
| DA-00402 | 200402 | Hopper Door, Aluminum, Left Hand | | 38 |
| DA-17060 | 1020335 | Hopper Door, Aluminum, Rapid Dishcharge Car, 39-15/16" x 51-1/4" | 53.0 | 38 |
| DA-17003 | D-170-7003 | Hopper Door, Aluminum, Right Hand, Rapid Discharge Car | | 38 |
| DA-176004-CL | 176004CL | Hopper Door, Carbon Steel, Large w/ Cam Lock Holes, 5/16" Thick | 124.0 | 42 |
| DA-176006-H | 176006H | Hopper Door, Carbon Steel, Large w/ Spreader Beam Holes, 3/8" Thick | 150.0 | 42 |
| DA-176004-SP | D-170-6004 | Hopper Door, Carbon Steel, Large w/ Spreader Holes, 5/16" Thick | 124 | 42 |
| DA-176004 | D-170-6004 | Hopper Door, Carbon Steel, Large, 5/16" Thick | 124.0 | 41 |
| DA-176006 | 176006 | Hopper Door, Carbon Steel, Large, 3/8" Thick | 150.0 | 42 |
| DA-176003-CL | 176003CL | Hopper Door, Carbon Steel, Small w/ Cam Lock Holes, 5/16" Thick | 102.0 | 41 |
| DA-176005-H | 176005H | Hopper Door, Carbon Steel, Small w/ Spreader Beam Holes, 3/8" Thick | | 41 |
| DA-176003-H | 176003H | Hopper Door, Carbon Steel, Small w/ Spreader Beam Holes, 5/16" Thick | 102 | 41 |
| DA-76005-H | 76005H | Hopper Door, Carbon Steel, Small, 3/8" Thick | 102 | 43 |
| DA-176005 | 176005 | Hopper Door, Carbon Steel, Small, 3/8" Thick | | 41 |
| DA-176003 | D-170-6003 | Hopper Door, Carbon Steel, Small, 5/16" Thick | 102.0 | 41 |
| DA-47008 | D-004-7008 | Hopper Door, Rapid Discharge Car, Inner | 573.0 | 39 |
| DA-47009 | D-004-7009 | Hopper Door, Rapid Discharge Car, Outer | 606.0 | 39 |
| DA-76006-H | 176006H | Hopper Door, Stainless Steel, Large w/ Spreader Holes, 1/4" Thick | | 43 |
| DA-76006 | 76006 | Hopper Door, Stainless Steel, Large, 1/4" Thick | | 43 |
| DA-76005 | D-170-6051 | Hopper Door, Stainless Steel, Small, 1/4" Thick | 62.0 | 43 |
| DA-52966 | 810-691551 | Hopper Door, Trapezoidal, Left Hand, 37-1/4" x 25-3/4" x 47-3/16" | 97.0 | 39 |
| DA-76031 | 76031 | Hopper Door, Trapezoidal, Left Hand, 46" x 28-7/16" x 35-11/32" | 98.0 | 39 |
| DA-76035 | 76035 | Hopper Door, Trapezoidal, Right Hand, 46" x 28-7/16" x 35-11/32" | 127.5 | 39 |
| DA-52965 | 810-689671 | Hopper Door, Trapezoidal, Right Hand, 47-3/16" x 25-3/4" x 37-1/4" | 97 | 39 |

| D.A. Part Number | Alt. Pt. Number | Description | Weight (lbs) | Page Number |
|--|-----------------|---|--------------|-------------|
| DA-10238 | HF-238-A-10 | Hopper Frame, 45°, 25-3/4" x 42" | 170.0 | 45 |
| DA-10239 | HF-238-B-10 | Hopper Frame, 45°, 25-3/4" x 42" | 170.0 | 45 |
| DA-18259 | HF-259-A-18 | Hopper Frame, Rectangular | 163.0 | 44 |
| DA-18260 | HF-259-B-18 | Hopper Frame, Rectangular | 163.0 | 44 |
| DA-25213 | HF-212-B | Hopper Frame, Rectangular, 30°, 25-3/4" x 42" | 175.0 | 44 |
| DA-25210 | HF-210-A | Hopper Frame, Rectangular, 45°, 25-27/32" x 35-3/4" | 170.0 | 44 |
| DA-25211 | HF-210-B | Hopper Frame, Rectangular, 45°, 25-27/32" x 35-3/4" | 170.0 | 44 |
| DA-25212 | HF-212-A | Hopper Frame, Rectangular, 30°, 25-3/4" x 42" | 175.0 | 44 |
| DA-05572 | 10305-572 | Housing, Latch | 14.6 | 46 |
| K DA-00010 | C10 | Knuckle Pin for Coupler | 1.5 | 46 |
| L DA-20209 | 2CH-209 | Latch | | 46 |
| DA-12100 | OPC-121 | Latch | 11.5 | 12 |
| DA-11007 | OPC-117 | Latch Lug | 3.5 | 12 |
| DA-20210 | 2-CH-210 | Latch Retainer | 0.5 | 46 |
| DA-05573 | 10305-573 | Latch, Door Mechanism Latch | 21.5 | 46 |
| DA-05016 | 10305-16 | Latch, Mechanism- ADI | 20.1 | 46 |
| DA-53555 | 053555 | Lever Adapter | 0.7 | 62 |
| DA-50044 | 093-40035 | Lever End, Door Operating Lever End | 20.0 | 46 |
| DA-05034 | 10305-034 | Lever Fulcrum | 29.3 | 47 |
| DA-05061 | 10305-061 | Lever Link Fulcrum At Operating Beam | 15.3 | 47 |
| DA-01213 | C-1213 | Lever, Bail Lever | 6.7 | 46 |
| DA-05557 | 10305-557 | Lever, Bilever | 16.2 | 47 |
| DA-05556 | 10305-556 | Lever, Door Actuating | 24.6 | 47 |
| DA-05078 | 10305-078 | Lever, Door Actuating | 18.1 | 47 |
| DA-05013 | 10305-013 | Lever, Door Operating 19-1/2" | 38.4 | 47 |
| DA-05033 | 10305-033 | Lever, Door Operating 20-13/16" | 33.1 | 47 |
| DA-05559 | 10305-559 | Lever, Operating | 26.8 | 47 |
| DA-05560 | 10305-560 | Lever, Operating | 24.3 | 47 |
| DA-50099 | 5050099 | Lever, Operating | 16.0 | 48 |
| DA-05010 | 10305-010 | Link D, Lever | 5.5 | 46 |
| DA-05039 | 10305-039 | Link G, Lever | 5.1 | 47 |
| DA-10081-A | 10081A | Lock Lift Follower, Outside, Long | 1.31 | 49 |
| DA-10082-A | 10082A | Lock Lift Follower, Outside, Short | 0.7 | 49 |
| DA-57687 | 027687 | Lock Side Bolt | 3.0 | 62 |
| DA-58978 | 028978 | Lock Wedge Assembly | 14.8 | 63 |
| DA-58980 | 028980 | Lock Wedge Assembly | 14.9 | 63 |
| DA-10081-B | 10081B | Lock, Door Lock, Long | 0.7 | 49 |
| DA-10082-B | 10082B | Lock, Door Lock, Short | 0.7 | 49 |
| DA-70002 | 30311 | Lock, Double Sided Hatch Cover Lock | 4.3 | 49 |
| DA-70001 | 30149 | Lock, Single Sided Hatch Cover Lock | 4.1 | 49 |
| DA-05565 | 10305-565 | Lock, Spreader Fulcrum Cam Lock | 3.0 | 48 |
| DA-23193 | 023193-0 | Lock, Wedge Lock Assembly | 16.0 | 49 |
| DA-12003 | OPC-123 | Locking Lever | 1.5 | 12 |
| DA-05479 | 10305-479 | Lug, Cylinder Fulcrum | 14.4 | 32 |
| DA-50070 | 093-40051 | Lug, Spring Assist Lug | 2.8 | 57 |
| Open Top Hopper Door Size Chart Page 40 | | | | |
| O DA-05063 | 10305-063 | Operating Beam Support | 6.2 | 49 |
| DA-12000 | OPC-120 | Outer Bearing | 6.0 | 12 |
| DA-68845 | 204910055 | Outlet Gate Lock Kit | 10.0 | 49 |
| P DA-17417 | CL-7 | Pawl | 3.0 | 50 |
| DA-28112 | PK-2-A | Pawl | 2.4 | 50 |

| D.A. Part Number | Alt. Pt. Number | Description | Weight (lbs) | Page Number |
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| DA-29112 | PK-2-B | Pawl | 2.4 | 50 |
| DA-32343 | PK-343-A | Pawl | 3.0 | 50 |
| DA-34343 | PK-343-B | Pawl | 3.0 | 50 |
| DA-43480 | PK-480-A | Pawl | 2.5 | 50 |
| DA-44480 | PK-480-B | Pawl | 2.5 | 50 |
| DA-57595 | 027595 | Pawl, Anti Kick Back, Inner | 0.8 | 61 |
| DA-57596 | 027596 | Pawl, Anti Kick Back, Outer | 2.1 | 61 |
| DA-33178 | 2CH-328 | Pinion Gear | 5.0 | 50 |
| DA-69400 | OVPA-694 | Pinion Gear | 3.0 | 51 |
| DA-70209 | DA-29-A | Pinion Gear | 2.7 | 51 |
| DA-70210 | DA-29-B | Pinion Gear | 2.7 | 51 |
| DA-33179 | 2CH-327 | Pinion Gear | 9.6 | 50 |
| DA-52082 | DA-502 | Pinion Gear | 4.2 | 51 |
| DA-70212 | 70212 | Pinion Gear | 1.1 | 51 |
| DA-10129 | E-10129 | Pinion Gear | 2.1 | 51 |
| DA-00183 | 10083 | Pinion Gear | 4.0 | 51 |
| DA-70214 | 70214 | Pinion Gear, 1" | 1.2 | 51 |
| DA-21129 | CH-29 | Pinion Gear, 1-25/32" dia. Hole | 2.8 | 51 |
| DA-70211 | 70211 | Pinion Gear, 1-3/8" | 1.5 | 51 |
| DA-21130 | DA-29-304-SS | Pinion Gear, Stainless Steel | 2.8 | 51 |
| DA-30304 | DA-502-SS | Pinion Gear, Stainless Steel | 4.2 | 51 |
| DA-42010 | 1-CH-409-11 | Pinion Shaft, 30" Length, 1-3/4" Dia. | 22.0 | 52 |
| DA-41051 | 1-CH-409-3 | Pinion Shaft, 30-1/2" Length, 1-3/4" Dia. | 20.7 | 52 |
| DA-21934 | 1CH-409-1 | Pinion Shaft, 30-3/4" Length, 1-3/4" Dia. | | 52 |
| DA-31001 | 1-CH-340-1 | Pinion Shaft, 38-3/8" Length, 1-3/4" Dia. | 26.2 | 52 |
| DA-31018 | 1CH-340-18 | Pinion Shaft, 40-1/2" Length, 1-3/4" Dia. | 41.6 | 52 |
| DA-34005 | 1-CH-340-5 | Pinion Shaft, 53" Length, 1-3/4" Dia. | | 52 |
| DA-34805 | 1CH-340-13 | Pinion shaft, 60-1/2" Length, 1-3/4" Dia. | | 52 |
| DA-31033 | 1CH-340-3 | Pinion Shaft, 61" Length, 1-3/4" Dia. | 42.0 | 52 |
| DA-33026 | 1CH-340-16 | Pinion Shaft, 66" Length, 1-3/4" Dia. | 44.9 | 52 |
| DA-01733 | DA-01733 | Pinion Shaft, Square, 33" Length, 1-3/4" Dia. | 18.0 | 52 |
| DA-01723 | DA-01723 | Pinion Shaft, Square, 36-3/8" Length, 1-3/4" Dia. | 18.0 | 52 |
| DA-01744 | 01744 | Pinion Shaft, Square, 44" Length, 1-1/4" Dia. | | 52 |
| DA-07248 | DA-07248 | Pinion Shaft, Square, 48" Length, 1-3/4" Dia. | 21.6 | 52 |
| DA-07249 | 07249 | Pinion Shaft, Square, 50" Length, 1-1/4" Dia. | | 52 |
| DA-07180 | 07180 | Pinion Shaft, Square, 58-1/2" Length, 1-1/4" Dia. | | 52 |
| DA-07176 | 07146 | Pinion Shaft, Square, 64" Length, 1-1/4" Dia. | | 52 |
| DA-07177 | DA-07177 | Pinion Shaft, Square, 65" Length, 1-3/4" Dia. | 29.1 | 52 |
| DA-57715 | 027715 | Pipe Bottom Extension | 6.6 | 63 |
| DA-92266 | MB-999-5186 | Plunger Nose for 5th Wheel | 0.8 | 50 |
| R DA-70215 | 70215 | Rack | | 53 |
| DA-30115 | 212-30115-LH | Rack Finger Guide, Rave Door | 1.4 | 33 |
| DA-30119 | 212-30119-RH | Rack Finger Guide, Rave Door | 1.2 | 33 |
| DA-42339 | DA-4029 | Rack, 16-3/8"L x 2-3/4"W | 5.4 | 53 |
| DA-41423 | DA-423 | Rack, 17-1/2"L x 3"W | 10.5 | 53 |
| DA-13096 | 2CH-156 | Rack, 17-1/4"L x 3-3/4"W | 5.1 | 53 |
| DA-42444 | 955002 | Rack, 18"L x 3" W | 8.5 | 53 |
| DA-00185 | 10085-02 | Rack, 19-1/2"L X 3-1/4"W | 14.5 | 54 |
| DA-42340 | 4030 | Rack, 20-1/2"L x 2-3/4"W | 6.4 | 53 |
| DA-42372 | DA-422 | Rack, 20-1/2"L x 4-1/4"W | 9.4 | 53 |
| DA-70213 | 70213 | Rack, 20-3/16"L x 1-3/16"W | 3.9 | 53 |

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| DA-10111 | MKE-10111 | Rack, 20-9/32"L x 2-3/4"W | 7.0 | 54 |
| DA-33181 | 2CH-331 | Rack, 23-11/16"L x 3-3/4"W | 6.5 | 53 |
| DA-50094 | 50094152 | Rack, 30-5/8"L x 2"W | 21.0 | 53 |
| DA-42382 | VPA-6182 | Rack, 33-3/4"L x 3-1/4"W | 19.8 | 53 |
| DA-42328 | DA-7028 | Rack, Forging, 16-1/2" x 2-5/8"W | 6.0 | 53 |
| DA-34175 | 005463 | Ratchet Pawl | 0.9 | 63 |
| DA-57650 | 027650 | Ratchet Pawl | 1.0 | 63 |
| DA-05184 | 10305-184 | Rein. Spreader & Fulcrum, Right Door | 31.1 | 54 |
| DA-32272 | M-336-5072 | Release Handle | 3.1 | 54 |
| DA-57400 | 027400 | Rod End Casting | 1.0 | 63 |
| DA-52340 | 002340 | Roller Assembly | 3.6 | 63 |
| DA-57385-1 | 027349 | Roller Housing w/ Hook, Primed | 14.0 | 63 |
| DA-50498-1 | 050498 | Roller Housing w/o Hook, Primed | 13.0 | 63 |
| DA-57382 | 027382 | Roller Stop Casting | 2.4 | 63 |
| S DA-43279 | 43279 | Seal Cam Assembly | 1.5 | 63 |
| DA-58992 | 028992 | Seal Cam Casting | 1.8 | 61 |
| DA-07033 | M107033-000 | Sill Step | 14.8 | 56 |
| DA-10994 | DA-10994 | Spreader Beam 6" x 101.75" | 97.0 | 56 |
| DA-10996 | 490562-0 | Spreader Beam 6" x 102.375" | | 56 |
| DA-10991 | DA-10991 | Spreader Beam 6" x 94.375" " | 95.0 | 56 |
| DA-10993 | DA-10993 | Spreader Beam 6" x 97.75" | | 56 |
| DA-10992 | DA-10992 | Spreader Beam 6" x 99" | 95.0 | 56 |
| DA-00403 | 200403 | Spreader Beam, Z-Shaped | | 56 |
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| DA-50039 | 093-40028 | Spring Guide | 17.5 | 57 |
| DA-50034 | 50034 | Spring Guide Adjustment Plate | 4.9 | 57 |
| DA-09048 | 50067 | Spring Guide and Stop | 25.3 | 57 |
| DA-50038 | 131-40121 | Spring, for Spring Assist (White) | 13.0 | 57 |
| DA-14123 | 131-40123 | Spring, for Spring Assist (Green) | 15.7 | 57 |
| DA-05187 | 10305-187 | Support Shaft | 18.7 | 56 |
| DA-05580-1 | 10305-558-01 | Support, Actuator Lever Shaft | 13.0 | 47 |
| DA-05580-2 | 10305-558-02 | Support, Actuator Lever Shaft | 12.8 | 47 |
| T DA-14061 | 10314-061 | Transition Casting | 120.0 | 56 |
| DA-05012 | 10305-012 | Tri-Lever Door Actuating | 31.3 | 48 |
| DA-33505 | 3505-A | Truck Damp | 8.0 | 56 |
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| DA-37345 | PK-345 | Trunnion Washer | 2.0 | 58 |
| DA-43455 | PK-455 | Trunnion Washer | 1.7 | 58 |



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