

2011



# CATALOG & SPECIFICATION GUIDE

## HOLLAND FIFTH WHEELS





### Holland has the Solution

Holland fifth wheels have earned a reputation of exceptional durability, reliability, and driver productivity that continues to “raise the bar” on fifth wheel performance standards, while lowering the total cost-of-ownership. The Holland fifth wheel product line is the most comprehensive in the world, with designs for applications as varied as light commercial fifth wheels for small trailers and recreational applications all the way to applications requiring up to 165,000 lbs. (74,844 kg.) of vertical load capacity. As the fifth wheel industry’s technological leader, Holland fifth wheels have been a part of virtually every fifth wheel innovation.

- Kompensator® Mounting Base
- ELI® – Electronic Lock Indicator
- NoLube® Fifth Wheel (world’s only completely lubrication free fifth wheel)
- FW17 Low-Weight Top Plate
- ILS® – Integrated Low-Weight Slider
- FWAL Forged Aluminum Fifth Wheel (world’s lightest fifth wheel - over 100 lbs. lighter)

Whatever the demands of your application, Holland has the solution.

### Guaranteed Performance

A fifth wheel is only as good as the company that stands behind it, and SAF-HOLLAND has taken supplier accountability to the next level by offering the industry’s first “wear-out” (performance) guarantee. Backed by the industry’s most extensive fifth wheel testing process, SAF-HOLLAND not only provides the longest fifth wheel material and workmanship warranties in the industry, but guarantees their durability as well.

Simply put:

- No front lock insert replacements
- No lock jaw replacements
- No rebuilds

For specific details, please see the appropriate fifth wheel warranty statement. SAF-HOLLAND leads the industry with proven value, high performance, and exceptional operating and economic advantages. With superior after-sales service, offering over 4,600 distributor and OEM locations across the globe, SAF-HOLLAND is committed to quality from start to finish.

Can you afford not to spec Holland fifth wheels?

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SAF-HOLLAND Group

## APPLICATION GUIDE

## OPTIONS OVERVIEW



## Standard Duty <sup>(1)</sup>

**Weight (GCW):** ..... Less than 95,000 lbs. (43,000 kg.)  
Gross Combination Weight (GCW)

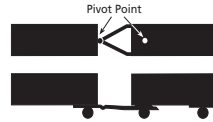
**Road Type:** ..... 100% On-Road (maintained concrete or asphalt roads)

### Trailer Type and Axle Limitation <sup>(2):</sup>

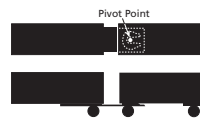
Single Trailer  
Tandem Axle Only



"A" Train—Maximum of 3 Axles  
(Trailer and Dolly Converter)



"B" Train—Maximum of 3 Axles  
(Lead and "Pup" Trailer)



**Note:** Any tractor used for "short haul" (e.g. city pickup and delivery) is to be considered "Moderate Duty"

Standard Duty													
		LowLube				NoLube				Alum. NoLube			
Top Plate	17 (XA-17)		16 (XA-161)		S1 (XA-S1)		35 (XA-351)		31 (XA-311)		AL (XA-AL)		
Maximum Vertical Load	50,000 lbs. 22,700 kg.		50,000 lbs. 22,700 kg.		50,000 lbs. 22,700 kg.		55,000 lbs. 25,000 kg.		55,000 lbs. 25,000 kg.		55,000 lbs. 25,000 kg.		
Maximum Drawbar Pull	150,000 lbs. 68,000 kg.		150,000 lbs. 68,000 kg.		150,000 lbs. 68,000 kg.		150,000 lbs. 68,000 kg.		150,000 lbs. 68,000 kg.		150,000 lbs. 68,000 kg.		
Mounting Style	Stationary	Sliding	Stationary	Sliding	Stationary	Sliding	Stationary	Sliding	Stationary	Sliding	Stationary	Sliding	
<b>Tractors</b>													
Van Trailers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Tanker & Dry Bulk Trailers	✓	✓	✓	✓	✓	✓	Komp Available <sup>(3)(4)</sup>		✓	✓	✓	✓	
Flatbed, Stretch, & Pole Trailers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
End Dump (Framed) Trailers	✓	✓			✓	✓	✓	✓					
End Dump (Frameless) Trailers							No-Tilt Only <sup>(5)</sup>						
Side Dump Trailers							No-Tilt Only <sup>(5)</sup>						
Bottom Dump Trailers							Komp Available <sup>(3)(4)</sup>						
Lowboy Trailers							Komp Available <sup>(3)(4)</sup>						
<b>B-Trains</b>													
Van, Flatbed, & Stretch Trailers	✓	✓	✓	✓	✓	✓	Komp Available <sup>(3)(4)</sup>		✓	✓	✓	✓	
Tank & Bottom Dump Trailers							Komp Available <sup>(3)(4)</sup>		✓	✓	✓	✓	
End Dump Trailers							✓	✓					
<b>Converter Dollies</b>	✓	✓			✓	✓	✓	✓					

NOTES: (1) If any single limitation factor is exceeded within a given duty type, you must move up to the next duty level.

(2) The term "Axle Limitation", as used in this guide, refers to the total number of axles on the "towed vehicle(s)" or trailer(s).

(3) The Kompensator fifth wheel mounting system can only be used where the loaded center of gravity of the trailer is no more than 44" (1100 mm) above the fifth wheel.

(4) "Kompensator Available" means that stationary and sliding Kompensator mounting systems are available as well as standard stationary and sliding mounting systems.

(5) Trailers equipped with an oscillating/articulating bolster (kingpin) plate require a non-articulating fifth wheel such as a No-Tilt.

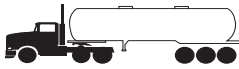
## Moderate Duty <sup>(1)</sup>

**Weight (GCW):** ..... Less than 115,000 lbs. (52,000 kg.)  
Gross Combination Weight (GCW)

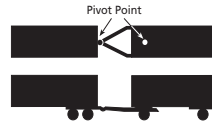
**Road Type:** ..... Less than 10% Off-Road (gravel or crushed rock roads) with balance On-Road  
(maintained concrete or asphalt roads)

### Trailer Type and Axle Limitation <sup>(2)</sup>:

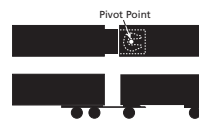
Single Trailer  
Tandem and Tri-axle Only



"A" Train—Maximum of 4 Axles  
(Trailer and Dolly Converter)



"B" Train—Maximum of 4 Axles  
(Lead and "Pup" Trailer)



**Note:** Any tractor used for "short haul" (e.g. city pickup and delivery) is to be considered "Moderate Duty"

Moderate Duty					
Top Plate	35 (XA-351)		0070 (XA-71)		2080 (XA-2081)
Maximum Vertical Load	55,000 lbs. 25,000 kg.		70,000 lbs. 31,750 kg.		70,000 lbs. 31,750 kg.
Maximum Drawbar Pull	150,000 lbs. 68,000 kg.		200,000 lbs. 90,700 kg.	150,000 lbs. 68,000 kg.	200,000 lbs. 90,700 kg.
Mounting Style	Stationary	Sliding	Stationary	Sliding	Stationary
<b>Tractors</b>					
Van Trailers	✓	✓	✓	✓	
Tanker & Dry Bulk Trailers	Komp Available <sup>(3)(4)</sup>		Komp Available <sup>(3)(4)</sup>		
Flatbed, Stretch, & Pole Trailers	✓	✓	✓	✓	
End Dump (Framed) Trailers	✓	✓	✓	✓	
End Dump (Frameless) Trailers	No-Tilt Only <sup>(5)</sup>				
Side Dump Trailers	No-Tilt Only <sup>(5)</sup>		✓	✓	
Bottom Dump Trailers	Komp Available <sup>(3)(4)</sup>		Komp Available <sup>(3)(4)</sup>		✓
Lowboy Trailers	Komp Available <sup>(3)(4)</sup>		✓	✓	✓
<b>B-Trains</b>					
Van, Flatbed, & Stretch Trailers	Komp Available <sup>(3)(4)</sup>		✓	✓	
Tank & Bottom Dump Trailers	Komp Only <sup>(3)</sup>		Komp Only <sup>(3)</sup>		
End Dump Trailers	✓	✓	✓	✓	
<b>Converter Dollies</b>	Komp Available <sup>(3)(4)</sup>		Komp Available <sup>(3)(4)</sup>		

NOTES: (1) If any single limitation factor is exceeded within a given duty type, you must move up to the next duty level.

(2) The term "Axle Limitation", as used in this guide, refers to the total number of axles on the "towed vehicle(s)" or trailer(s).

(3) The Kompensator fifth wheel mounting system can only be used where the loaded center of gravity of the trailer is no more than 44" (1100 mm) above the fifth wheel.

(4) "Kompensator Available" means that stationary and sliding Kompensator mounting systems are available as well as standard stationary and sliding mounting systems.

(5) Trailers equipped with an oscillating/articulating bolster (kingpin) plate require a non-articulating fifth wheel such as a No-Tilt.



## Severe Duty <sup>(1)</sup>

**Weight (GCW):** ..... More than 115,000 lbs. (52,000 kg.)  
Gross Combination Weight (GCW)

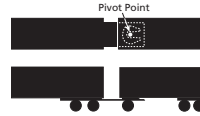
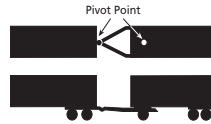
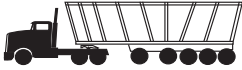
**Road Type:** ..... More than 10% Off-Road (gravel, crushed rock, hard packed dirt, or unimproved / unmaintained roads)

### Trailer Type and Axle Limitation <sup>(2)</sup>: .....

Single Trailer  
No Axle Limitations

"A" Train—No Axle Limitations

"B" Train—No Axle Limitations



Severe Duty						
Top Plate	35 (XA-351)	0070 (XA-71)	2080 (XA-2081)	0100 (XA-101)	0165 (XA-0116)	
Maximum Vertical Load	55,000 lbs. 25,000 kg.	70,000 lbs. 31,750 kg.	70,000 lbs. 31,750 kg.	100,000 lbs. 45,350 kg.	165,000 lbs. 74,850 kg.	
Maximum Drawbar Pull	150,000 lbs. 68,000 kg.	200,000 lbs. 150,000 lbs. 90,700 kg. 68,000 kg.	200,000 lbs. 90,700 kg.	200,000 lbs. 90,700 kg.	200,000 lbs. 90,700 kg.	
Mounting Style	Stationary <sup>(6)</sup>	Sliding <sup>(7)</sup>	Stationary	Sliding	Stationary	Stationary
Tractors						
Van Trailers	✓	✓	✓	✓	✓	✓
Tanker & Dry Bulk Trailers	Komp Available <sup>(3)(4)</sup>		Komp Available <sup>(3)(4)</sup>			
Flatbed, Stretch, & Pole Trailers	✓	✓	✓	✓	✓	✓
End Dump (Framed) Trailers	✓	✓	✓	✓	✓	✓
End Dump (Frameless) Trailers	No-Tilt Only <sup>(5)</sup>					
Side Dump Trailers	No-Tilt Only <sup>(5)</sup>		✓	✓		
Bottom Dump Trailers	Komp Available <sup>(3)(4)</sup>		Komp Available <sup>(3)(4)</sup>		✓	✓
Lowboy Trailers	Komp Available <sup>(3)(4)</sup>		Komp Available <sup>(3)(4)</sup>		✓	✓

NOTES: (1) If any single limitation factor is exceeded within a given duty type, you must move up to the next duty level.

(2) The term "Axle Limitation", as used in this guide, refers to the total number of axles on the "towed vehicle(s)" or trailer(s).

(3) The Kompensator fifth wheel mounting system can only be used where the loaded center of gravity of the trailer is no more than 44" (1100 mm) above the fifth wheel.

(4) "Kompensator Available" means that stationary and sliding Kompensator mounting systems are available as well as standard stationary and sliding mounting systems.

(5) Trailers equipped with an oscillating/articulating bolster (kingpin) plate require a non articulating fifth wheel such as a No-Tilt.

(6) Severe Duty applications require "7500" Series brackets for standard stationary mounting systems.

(7) Severe Duty applications require "7000" Series sliders for standard sliding mounting systems.



# Fifth Wheel Top Plates / Options Overview

Available  
Sept. 2011

	Fifth Wheel Assembly (Top Plate)	FW17	FW16	FWS1	FW35	FW31	FWAL
		(XA-17)	(XA-161)	(XA-S1)	(XA-351)	(XA-311)	(XA-AL)
Standard Fifth Wheels	<b>Air Release</b> – Allows in-cab release of fifth wheel locking mechanism.	✓		✓	✓	✓	
	<b>Drilled and Tapped for Auto Lube</b> – Provides a central point (manifold) of lubrication that distributes lubrication to all friction points between tractor and trailer.	✓		Standard	✓		
	<b>ELI (Electronic Lock Indicator)</b> – Allows in-cab management of the coupling process, via a coupling status display, as a supplement to visual inspection and pull test procedure.				✓	✓	
	<b>Kompensator Lockouts</b> – Allows lock out of the Kompensator feature to make the fifth wheel semi-oscillating when required.				✓		
	<b>Left Hand Dolly Release Handle</b> -Provides easier release handle access.				✓		
	<b>Manual Secondary Lock</b> – Provides additional security lock that is manually disengaged and automatically engaged during uncoupling and coupling.				✓	✓	
	<b>LowLube</b> – Provides a grease-free fifth wheel coupling surface. Only requires lubrication of the locking mechanism.		Standard				
	<b>NoLube</b> – Provides completely grease-free fifth wheel coupling surface. Only requires no lubrication, including the locking mechanism.					Standard	Standard
	<b>No Tilt</b> – Allows semi-oscillating fifth wheel to convert to non-oscillating fifth wheel when required.				✓		
<b>Right Hand Release</b> – Provides curb-side handle release.		✓		✓	✓		

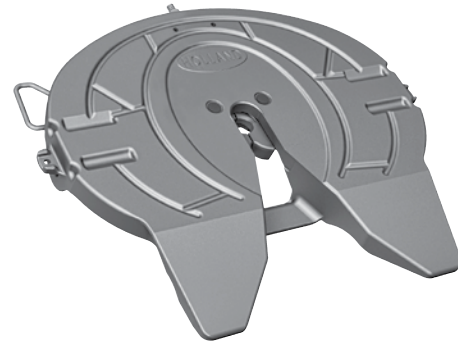
	Fifth Wheel Assembly (Top Plate)	FW0070	FW0100	FW0165	FW2080
		(XA-71)	(XA-101)	(XA-0116)	(XA-2081)
Extra Capacity Fifth Wheels	<b>3.5" Kingpin Lock</b>	✓	✓	✓	✓
	<b>Air Release</b> – Allows in-cab release of fifth wheel locking mechanism.		✓		✓
	<b>Fully Oscillating</b> – Provides fore/aft and side-to-side articulation which minimizes torque and twist transfer through the fifth wheel. Used where center of gravity is equal to or below fifth wheel height.				Standard
	<b>Oscillator Lockouts</b> – Allows lock out of side-to-side articulation.				✓
	<b>Kompensator Lockouts</b> – Allows lock out of the Kompensator feature to make the fifth wheel semi-oscillating when required.	✓			
	<b>Manual Secondary Lock</b> – Provides additional security lock that is manually disengaged and automatically engaged during uncoupling and coupling.	Standard	Standard	Standard	Standard

	Fifth Wheel Assembly (Top Plate)	FW35-03344	FW2870	FW1560-C	FW28(9)00-X, FW28(9)00-5X
		(XA-351-03505)	(XA-2801)	(XA-1501)	(XA-2081)
Terminal Tractor Fifth Wheels	<b>Air Release</b> – Allows in-cab release of fifth wheel locking mechanism.	Standard	Standard	Standard	Standard
	<b>Drilled and Tapped for Auto Lube</b> – Provides a central point (manifold) of lubrication that distributes lubrication to all friction points between tractor and trailer.	✓	✓		
	<b>ELI (Electronic Lock Indicator)</b> – Allows in-cab management of the coupling process, via a coupling status display, as a supplement to visual inspection and pull test procedure	✓			
	<b>Fully Oscillating</b> – Provides fore/aft and side-to-side articulation which minimizes torque and twist transfer through the fifth wheel . Used where center of gravity is equal to or below fifth wheel height.			Standard	
	<b>Manual Secondary Lock</b> – Provides additional security lock that is manually disengaged and automatically engaged during uncoupling and coupling.	Standard	Standard	Automatic Secondary Lock Standard	Standard



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## FIFTH WHEEL TOP PLATE MODELS

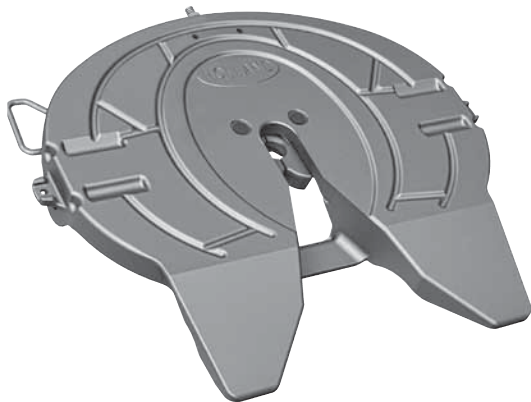


### CONTENTS:

STANDARD, EXTRA CAPACITY, TERMINAL TRACTOR,  
AND LIGHT COMMERCIAL DUTY MODELS

- CAPACITIES
- APPLICATIONS
- FEATURES
- AVAILABLE OPTIONS
- TOP PLATE PART NUMBERS
- TOP PLATE WEIGHTS
- AVAILABLE MOUNTING SYSTEMS
- TOP PLATE DIMENSIONS
- REBUILD AND REPLACEMENT KITS

## FW35



### Capacity

55,000 lbs. Maximum Vertical Load  
150,000 lbs. Maximum Drawbar Pull

### Applications

Standard, Moderate, and Severe Duty

### Features

- Cast Steel Construction
- Forged, Machined, Heat-Treated Steel Lock Jaw
- Visible Lock Indicator
- Easy Infinite Lock Adjustment
- Automatic Secondary Lock
- Closed Loop Drop Handle
- NoLube Pocket Inserts
- Cast-In Grease Grooves

### Warranty

- 6 Year/600,000 Mile Materials and Workmanship
- 6 Year/600,000 Mile Performance Guarantee

### Options Available

- Right Hand Release Handle
- Air Release (Left Hand Release Only)
- ELI—Electronic Lock Indicator (Left Hand Release Only)
- Drilled and Tapped for Auto Lube
- Manual Secondary Release Handle
- Dolly Release Handle (Left Hand Release Only)
- No Tilt

### Top Plate Part Numbers

DESCRIPTION	PART NUMBER	WEIGHT
Left Hand Release	XA-351-A-L-P	226 lbs.
Right Hand Release	XA-351-A-P	226 lbs.
For options, insert one of the following codes after the 6th digit. Example: XA-351-A-86-L-P. For multiple option combinations, please contact Customer Service for applicable Option Code.		
Air Release – OEM Replacement (LH Only)		Code 80
Air Release – New Installation (LH Only)		Code 86
ELI - Electronic Lock Indicator (LH Only)		Code EL
Drilled and Tapped for Auto Lube		Code 24
Manual Secondary Release Lock		Code 02
Dolly Release Handle (LH Only)		Code 28
No Tilt Stationary		Code 06
No Tilt Slider – Change “A-” to “A1-”		Code 06

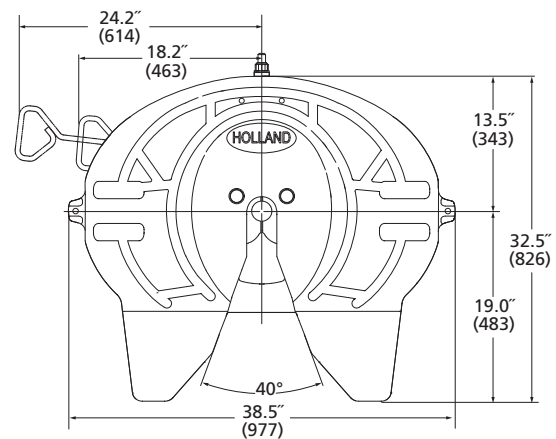
## Mounting Systems Available

For Complete Assembly Part Numbers refer to “Mounting System” pages.

**NOTE: Height and Travel data is given in INCHES**

STATIONARY STYLES	HEIGHTS	
<b>STANDARD BASES</b>		
Foot Mount	6, 7, 8, 9	
Integrated Plate Mount		
Brackets Only		
Brackets with Mounting Angles		
<b>NO TILT BASES</b>		
Outboard Mount	8, 9	
Inboard for Angle Mounting	8	
<b>KOMPENSATOR BASES</b>		
Outboard Plate Mount	10, 12, 13	
Inboard Plate Mount for Angle Mounting		
Inboard with Mounting Angles		
Inboard for Angle Mounting	9, 11, 12	
SLIDING STYLES	HEIGHTS	TRAVELS
<b>STANDARD BASES</b>		
Outboard Mount	7, 8, 9	12, 24,
Inboard Mount		36, 48
<b>NO TILT BASES</b>		
Outboard Mount	9, 10	14, 20, 32,
Inboard for Angle Mounting		44, 57
<b>KOMPENSATOR BASES</b>		
Inboard for Angle Mounting	13	11, 17, 25, 41, 54, 66

## Dimensions



## Rebuild and Replacement Kits

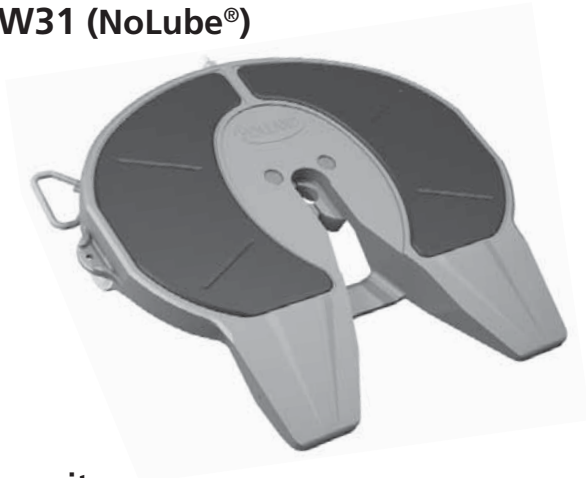
DESCRIPTION	RELEASE	PART NUMBER
Rebuild-Standard	LH	RK-351-A-L
Rebuild-Standard	RH	RK-351-A
Rebuild-w/Manual Secondary Release	LH	RK-351-A-02-L
Rebuild-w/Manual Secondary Release	RH	RK-351-A-02
Rebuild-w/Air Release	LH	RK-351-A-80-L
Lock Replacement Kit		RK-351-07296
Release Handle Replacement Kit	LH/RH	RK-08415-1
Pocket Inserts - Pair		RK-PKT-2



SAF-HOLLAND Group

## Top Plate Models

### FW31 (NoLube®)



#### Capacity

55,000 lbs. Maximum Vertical Load  
150,000 lbs. Maximum Drawbar Pull

#### Applications

Standard Duty

#### Features

- NoLube Coated Lock Components
- Replaceable NoLube Plate Inserts
- NoLube Pocket Inserts
- Cast Steel Construction
- Forged, Machined, Heat-Treated Steel Lock Jaw
- Visible Lock Indicator
- Easy Infinite Lock Adjustment
- Automatic Secondary Lock
- Closed Loop Drop Handle

#### Warranty

- 6 Year/600,000 Mile Materials and Workmanship (2 Year/200,000 Miles on Lube Plates)
- 6 Year/600,000 Mile Performance Guarantee

#### Options Available

- Right Hand Release Handle
- Air Release (Left Hand Release Only)
- ELI-Electronic Lock Indicator (Left Hand Release Only)
- Manual Secondary Release Handle

#### Top Plate Part Numbers

DESCRIPTION	PART NUMBER	WEIGHT
Left Hand Release	XA-311-A-L-P	251 lbs.
Right Hand Release	XA-311-A-P	251 lbs.
For options, insert one of the following codes after the 6th digit. Example: XA-311-A-86-L-P. For multiple option combinations, please contact Customer Service for applicable Option Code.		
Air Release – OEM Replacement (LH Only)		Code 80
Air Release – New Installation (LH Only)		Code 86
ELI - Electronic Lock Indicator (LH Only)		Code EL
Manual Secondary Release Lock		Code O2

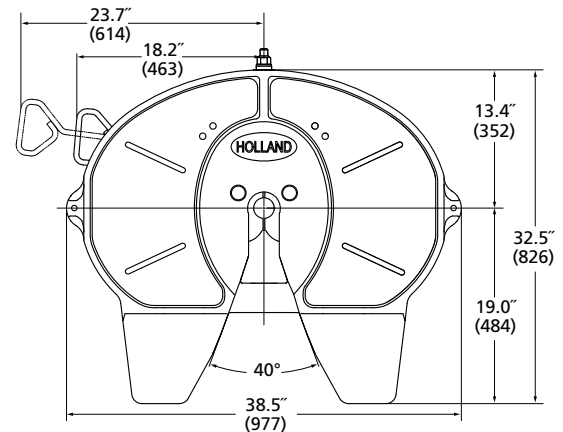
#### Mounting Systems Available

For Complete Assembly Part Numbers refer to "Mounting System" pages.

**NOTE: Height and Travel data is given in INCHES**

STATIONARY STYLES	HEIGHTS	
Foot Mount	6, 7, 8, 9	
Integrated Plate Mount		
Brackets Only		
Brackets with Mounting Angles		
SLIDING STYLES	HEIGHTS	TRAVELS
Outboard Mount	7, 8, 9	12, 24,
Inboard Mount		36, 48

#### Dimensions



#### Rebuild and Replacement Kits

DESCRIPTION	RELEASE	PART NUMBER
Rebuild-Standard	LH	RK-311-A-L
Rebuild-Standard	RH	RK-311-A
Rebuild-w/Manual Secondary Release	LH	RK-311-A-02-L
Rebuild-w/Manual Secondary Release	RH	RK-311-A-02
Rebuild-w/Air Release	LH	RK-311-A-80-L
Lock Replacement Kit		RK-311-LK
Release Handle Replacement Kit	LH/RH	RK-08415-1
Lube Plate Inserts–Pair		RK-331-1
Pocket Inserts–Pair		RK-PKT-2

## FW17



### Capacity

50,000 lbs. Maximum Vertical Load  
150,000 lbs. Maximum Drawbar Pull

### Applications

Standard Duty

### Features

- Cast Steel Construction
- Forged Steel Lock Jaw
- Automatic Secondary Lock
- Closed Loop Drop Handle
- NoLube Pocket Inserts
- Cast-In Grease Grooves

### Warranty

- 5 Year/500,000 Mile Materials and Workmanship
- 5 Year/500,000 Mile Performance Guarantee

### Options Available

- Drilled and Tapped for Auto Lube
- Air Release

### Top Plate Part Number

DESCRIPTION	PART NUMBER	WEIGHT
Left Hand Release	XA-17-A-L-P	202 lbs.
For options, insert the following code after the 5th digit. Example: XA-17-A-80-L-P.		
Air Release – OEM Replacement		Code 80
Drilled and Tapped for Auto Lube		Code 24

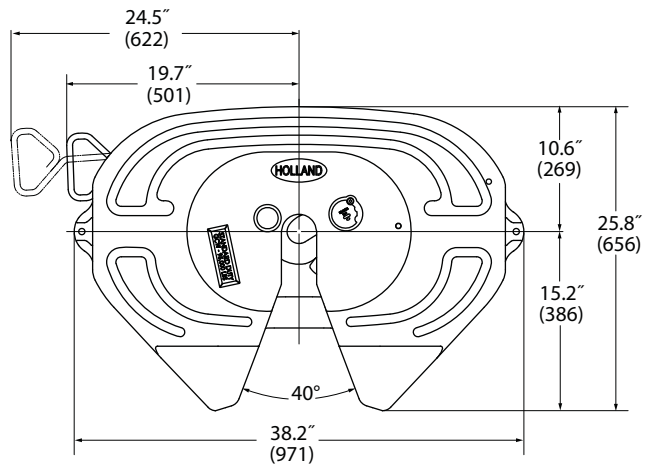
## Mounting Systems Available

For Complete Assembly Part Numbers refer to "Mounting System" pages.

**NOTE: Height and Travel data is given in INCHES**

STATIONARY STYLES	HEIGHTS	
Foot Mount	6, 7, 8, 9	
Integrated Plate Mount		
Brackets Only		
Brackets with Mounting Angles		
SLIDING STYLES	HEIGHTS	TRAVELS
Outboard Mount	7, 8, 9	12, 24,
Inboard Mount		36, 48

## Dimensions



## Rebuild and Replacement Kits

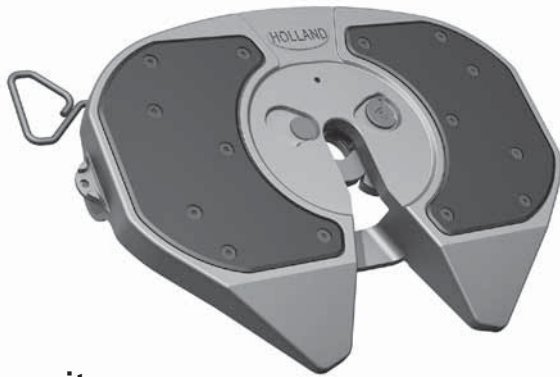
DESCRIPTION	PART NUMBER
Rebuild – Standard	RK-17-A-L
Rebuild – w/Air Release	RK-17-A-80-L
Air Cylinder Replacement Kit	RK-171-10999
Lock Jaw Replacement Kit	RK-171-11078
Release Handle Replacement Kit – Manual	RK-171-11079
Release Handle Replacement Kit – Air	RK-171-11384
Pocket Inserts – Pair	RK-PKT-2



SAF-HOLLAND Group

## Top Plate Models

### FW16 (LowLube) (Available September 2011)



#### Capacity

50,000 lbs. Maximum Vertical Load  
150,000 lbs. Maximum Drawbar Pull

#### Applications

Standard Duty

#### Features

- Replaceable NoLube Plate Inserts
- Cast Steel Construction
- Forged Steel Lock Jaw
- Automatic Secondary Lock
- Closed Loop Drop Handle
- NoLube Pocket Inserts
- Cast-In Grease Grooves

#### Warranty

- 5 Year/500,000 Mile Materials and Workmanship
- 2 Year/200,000 Miles on Lube Plates
- 5 Year/500,000 Mile Performance Guarantee

#### Options Available

- Right Hand Release Handle

#### Top Plate Part Number

DESCRIPTION	PART NUMBER	WEIGHT
Left Hand Release	XA-161-A-L-P	199 lbs.
Right Hand Release	XA-161-A-P	199 lbs.

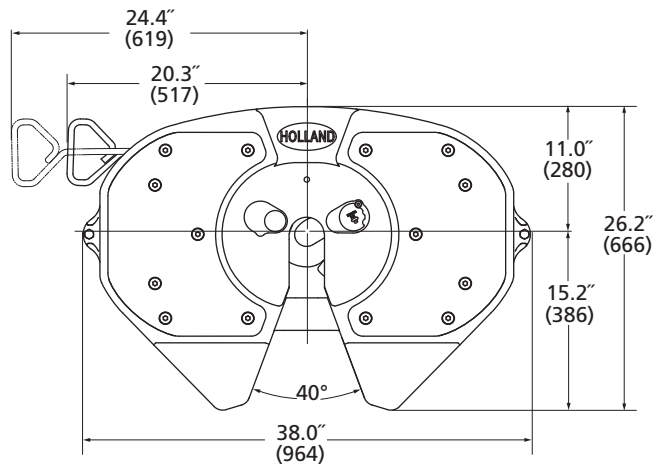
### Mounting Systems Available

For Complete Assembly Part Numbers refer to "Mounting System" pages.

**NOTE: Height and Travel data is given in INCHES**

STATIONARY STYLES	HEIGHTS	
Foot Mount	6, 7, 8, 9	
Integrated Plate Mount		
Brackets Only		
Brackets with Mounting Angles		
SLIDING STYLES	HEIGHTS	TRAVELS
Outboard Mount	7, 8, 9	12, 24,
Inboard Mount		36, 48

#### Dimensions



#### Rebuild and Replacement Kits

DESCRIPTION	PART NUMBER
Rebuild – Standard	RK-161-A
Lock Jaw Replacement Kit	RK-171-11078
Release Handle Replacement Kit – Manual	RK-161-11493
Lube Plate Inserts – Pair	RK-161-1
Pocket Inserts – Pair	RK-PKT-2



## FWAL (Aluminum NoLube®)



### Capacity

55,000 lbs. Maximum Vertical Load  
150,000 lbs. Maximum Drawbar Pull

### Applications

Standard Duty

### Features

- World's Lightest Weight Top Plate
- Alcoa Forged Aluminum Construction
- NoLube Coated Lock Components
- Replaceable NoLube Plate Inserts
- NoLube Pocket Inserts
- Forged Steel Lock Jaw
- Automatic Secondary Lock
- Closed Loop Drop Handle

### Warranty

- 5 Year/500,000 Mile Materials and Workmanship (2 Year/200,000 Miles on Lube Plates)
- 5 Year/500,000 Mile Performance Guarantee

### Top Plate Part Number

DESCRIPTION	PART NUMBER	WEIGHT
Left Hand Release	XA-AL-A-L-P	157 lbs.

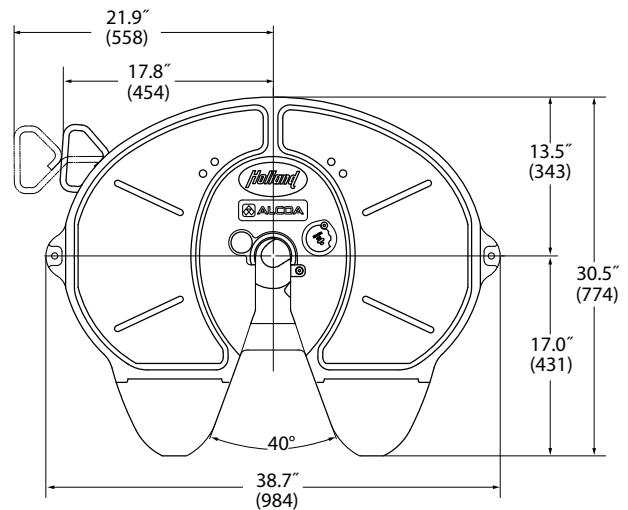
## Mounting Systems Available

For Complete Assembly Part Numbers refer to "Mounting System" pages.

**NOTE: Height and Travel data is given in INCHES**

STATIONARY STYLES	HEIGHTS	
Foot Mount	6, 7, 8, 9	
Integrated Plate Mount		
Brackets Only		
Brackets with Mounting Angles		
SLIDING STYLES	HEIGHTS	TRAVELS
Outboard Mount	7, 8, 9	12, 24,
Inboard Mount		36, 48

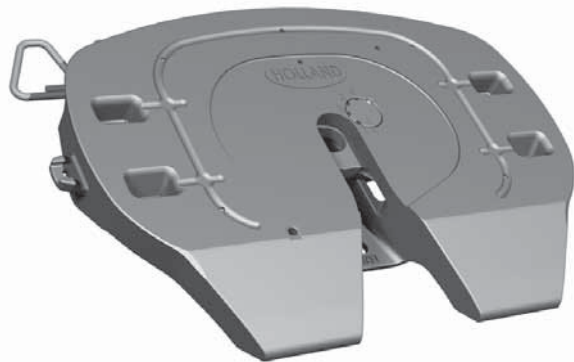
### Dimensions



### Rebuild and Replacement Kits

DESCRIPTION	PART NUMBER
Rebuild	RK-AL-A-L
Lock Replacement Kit	RK-AL-11078
Release Handle Replacement Kit	RK-10495-AL-P
Lube Plate Inserts – Pair	RK-331-1
Pocket Inserts – Pair	RK-PKT-3

## FWS1



### Capacity

50,000 lbs. Maximum Vertical Load  
150,000 lbs. Maximum Drawbar Pull

### Applications

Standard Duty

### Features

- Cast Steel Construction
- Forged Steel Lock Jaw
- Visible Red Safety Indicator
- Automatic Secondary Lock
- Closed Loop Drop Handle
- NoLube Pocket Inserts
- Cast-In Grease Grooves
- Drilled and Tapped Grease Fitting Holes
- Lock Jaw Replacement without Removing Fifth Wheel from Tractor

### Warranty

- 5 Year/500,000 Mile Materials and Workmanship
- 5 Year/500,000 Mile Performance Guarantee

### Options Available

- Air Release

### Top Plate Numbers

DESCRIPTION	PART NUMBER	WEIGHT
Left Hand Release	XA-S1-A-L-P	222 lbs.
For options, insert the following code after the 5th digit. Example: XA-S1-A-80-L-P.		
Air Release – OEM Replacement		Code 80

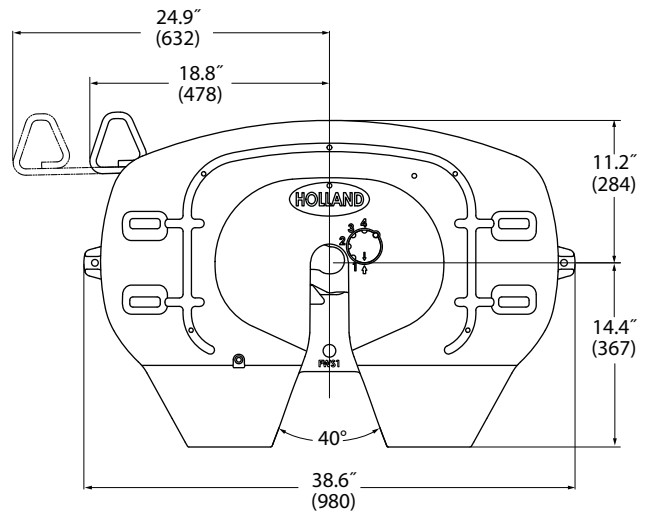
### Mounting Systems Available

For Complete Assembly Part Numbers refer to "Mounting System" pages.

**NOTE: Height and Travel data is given in INCHES**

STATIONARY STYLES	HEIGHTS	
Foot Mount	6, 7, 8, 9	
Integrated Plate Mount		
Brackets Only		
Brackets with Mounting Angles		
SLIDING STYLES	HEIGHTS	TRAVELS
Outboard Mount	7, 8, 9	12, 24,
Inboard Mount		36, 48

### Dimensions



### Rebuild and Replacement Kits

DESCRIPTION	PART NUMBER
Rebuild	RK-FWS-A-L
Air Cylinder Replacement Kit	RK-10999
Lock Jaw Replacement Kit	RK-4109939
Release Handle Replacement Kit	RK-10990
Pocket Inserts–Pair	RK-PKT-2

## FW0070



### Capacity

70,000 lbs. Maximum Vertical Load  
 200,000 lbs. Maximum Drawbar Pull (Stationary Mount)  
 150,000 lbs. Maximum Drawbar Pull (Sliding Mount)

### Applications

Moderate and Severe Duty

### Features

- Cast Steel Construction
- Forged, Machined, Heat-Treated Steel Lock Jaw
- Easy Infinite Lock Adjustment
- Manual Secondary Lock
- Cast-In Grease Grooves

### Warranty

- 5 Year/500,000 Mile Materials and Workmanship

### Options Available

- 3.5" Kingpin Lock

### Top Plate Part Numbers

DESCRIPTION	PART NUMBER	KINGPIN LOCK	WEIGHT
Left Hand Release	XA-71-DAP	2"	316 lbs.
Left Hand Release	XA-71-OAP	3.5"	316 lbs.

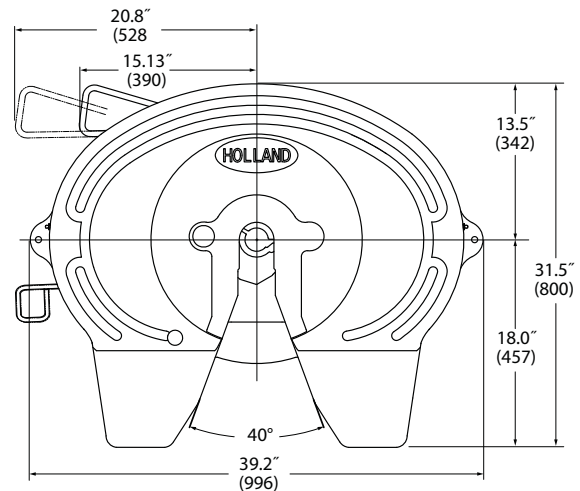
## Mounting Systems Available

For Complete Assembly Part Numbers refer to "Mounting System" pages.

**NOTE: Height and Travel data is given in INCHES**

STATIONARY STYLES	HEIGHTS	
<b>STANDARD BASES</b>		
Foot Mount	7, 8, 9	
Integrated Plate Mount		
Brackets Only		
Brackets with Mounting Angles		
<b>KOMPENSATOR BASES</b>		
Outboard Mount	10, 12, 13	
SLIDING STYLES	HEIGHTS	TRAVELS
<b>STANDARD BASES</b>		
Inboard for Angle Mounting	8, 9	11, 17, 25, 41, 54, 66
<b>KOMPENSATOR BASES</b>		
Inboard for Angle Mounting	13	11, 17, 25, 41, 54, 66

## Dimensions



## Rebuild and Replacement Kits

DESCRIPTION	KINGPIN LOCK	PART NUMBER
Rebuild	2"	RK-65014
Rebuild (FW2570-7103*, FW2570-7450*)	2"	RK-65014-1
Rebuild	3.5"	RK-65015
Rebuild (FW2570-7103*, FW2570-7450*)	3.5"	RK-65015-1
Lock Replacement Kit	2"	RK-65024
Lock Replacement Kit	3.5"	RK-65024-1
Secondary Lock Replacement Kit		RK-65025
Release Handle Replacement Kit		XA-1117-H
Release Handle Replacement Kit (FW2570-7103*, FW2570-7450*)		XA-03715



SAF-HOLLAND Group

## FW0100/FW0165



### Capacity

100,000 lbs. Maximum Vertical Load (FW0100 )  
 165,000 lbs. Maximum Vertical Load (FW0165)  
 200,000 lbs. Maximum Drawbar Pull

### Applications

Severe Duty

### Features

- Cast Steel Construction
- Forged, Machined, Heat-Treated Steel Lock Jaw
- Easy Infinite Lock Adjustment
- Manual Secondary Lock
- Cast-In Grease Grooves

### Warranty

- 5 Year/500,000 Mile Materials and Workmanship

### Options Available

- 3.5" Kingpin Lock
- Air Release (FW0100 Only)

### Top Plate Part Numbers

DESCRIPTION	PART NUMBER	KINGPIN LOCK	WEIGHT
FW0100	XA-101-DAS	2"	350 lbs.
FW0100	XA-101-OAS	3.5"	350 lbs.
FW0165	XA-0116-1S	2"	471 lbs.
FW0165	XA-0116S	3.5"	471 lbs.
For option, insert the following code before the "S" at the end of the part number: Example: XA-101-DAUS			
Air Release (XA-101 Only)			Code U

## Top Plate Models – Extra Capacity

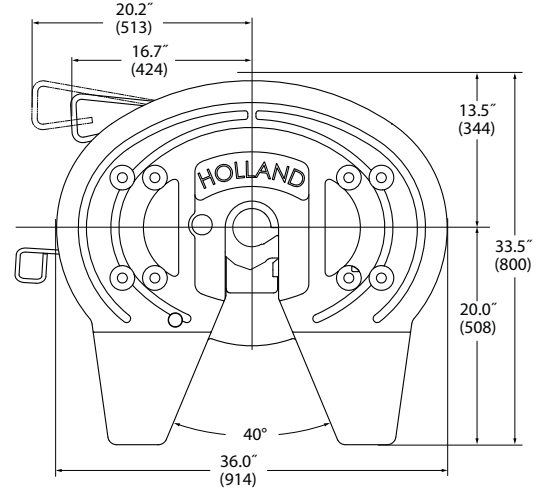
### Mounting Systems Available

NOTE: Height data is given in INCHES

FIFTH WHEEL ASSEMBLY MODEL NUMBER	HEIGHT	WEIGHT
<b>STATIONARY WITH MOUNTING BASE (1)</b>		
FW0100-DC	9	590 lbs.
FW0100-D	11	595 lbs.
<b>STATIONARY WITH MOUNTING BASE (2)</b>		
FW0165-0091-1	11	650 lbs.

- (1) For **3.5" Kingpin Lock**, replace D (7th digit) in part number with O. For **Air Release**, add U to end of part number. Add 10 lbs. to weight.
- (2) For **3.5" Kingpin Lock**, on **FW0165**, drop -1 at end of part number.

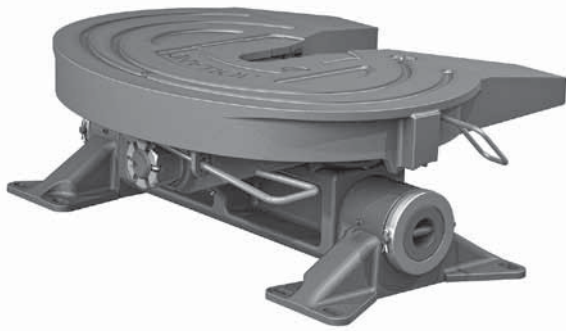
### Dimensions



### Rebuild and Replacement Kits

DESCRIPTION	KINGPIN LOCK	PART NUMBER
Rebuild-Standard	2"	RK-65012-1
Rebuild-Standard	3.5"	RK-65013-1
Rebuild w/Air Release (FW0100 Only)	2"	RK-65023
Rebuild w/Air Release (FW0100 Only)	3.5"	RK-65023-1
Lock Replacement Kit	2"	RK-65024
Lock Replacement Kit	3.5"	RK-65024-1
Secondary Lock Kit Replacement Kit		RK-65025
Release Handle Replacement Kit		XA-1117-13

## FW2080



### Capacity

70,000 lbs. Maximum Vertical Load  
200,000 lbs. Maximum Drawbar Pull

### Applications

Moderate and Severe Duty

### Features

- Fully Oscillating
- Cast Steel Construction
- Forged, Machined, Heat-Treated Steel Lock Jaw
- Easy Infinite Lock Adjustment
- Manual Secondary Lock
- Cast-In Grease Grooves

### Warranty

- 5 Year/500,000 Mile Materials and Workmanship

### Options Available

- 3.5" Kingpin Lock
- Oscillator Lockouts
- Air Release

### Top Plate Part Numbers

DESCRIPTION	PART NUMBER	KINGPIN LOCK	WEIGHT
Left Hand Release	XA-2081-DAS	2"	420 lbs.
Left Hand Release	XA-2081-OAS	3.5"	420 lbs.
For option, insert the following code before the "S" at the end of the part number: Example: XA-2081-DAUS.			
Air Release	Code U		

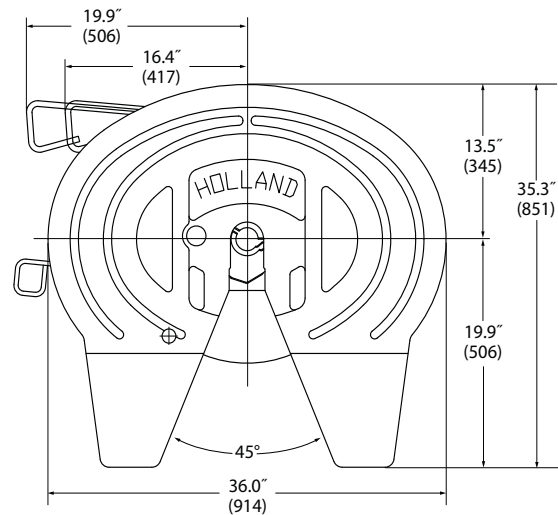
## Mounting Systems Available

NOTE: Height data is given in INCHES

FIFTH WHEEL ASSEMBLY MODEL NUMBER	HEIGHT	WEIGHT
<b>STATIONARY WITH MOUNTING BASE (1)</b>		
FW2080-D	14	860 lbs.

- (1) For **3.5" Kingpin Lock** Option, replace D at the end of the part number with O.  
For **Air Release**, add U to end of part number. Add 3 lbs. to weight.  
For **Oscillator Lockout** Option, replace D at the end of the part number with 0778-1 (2" Kingpin Lock) or 0778 (3.5" Kingpin Lock). Add 10 lbs. to weight.

### Dimensions



### Rebuild and Replacement Kits

DESCRIPTION	KINGPIN LOCK	PART NUMBER
Rebuild-Standard	2"	RK-65012
Rebuild-Standard	3.5"	RK-65013
Rebuild w/Air Release	2"	RK-65012-2
Rebuild w/Air Release	3.5"	RK-10844
Lock Replacement Kit	2"	RK-65024
Lock Replacement Kit	3.5"	RK-65024-1
Secondary Lock Replacement Kit		RK-65025
Release Handle Replacement Kit		XA-1117-13



SAF-HOLLAND Group

## Top Plate Models – Terminal Tractor

### FW35-03344



#### Capacity

70,000 lbs. Maximum Vertical Load

#### Applications

Standard Duty

#### Features

- Cast Steel Construction
- Forged, Machined, Heat-Treated Steel Lock Jaw
- Hardened Steel Pocket Inserts
- Air Release
- Manual Secondary Lock
- Cast-In Grease Grooves

#### Warranty

- 180 Day Materials and Workmanship

#### Options Available

- Drilled and Tapped for Auto Lube
- ELI – Electronic Lock Indicator
- Various Air Cylinder Fittings

#### Top Plate Part Numbers

DESCRIPTION	WEIGHT
XA-351-03505S	252 lbs.
For options, replace the "S" at the end of the part number with one of the following codes: Example: XA-351-03505-2S	
Drilled and Tapped for Auto Lube	Code 2S
ELI-Electronic Lock Indicator	Code 5ELS

For additional air fitting options or multiple option combinations, please contact Customer Service for the applicable Option Code.

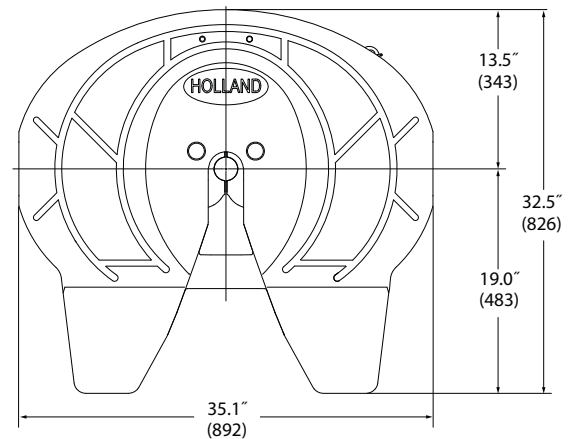
### Mounting Systems Available

NOTE: Height data is given in INCHES

FIFTH WHEEL ASSEMBLY MODEL NUMBER	HEIGHT	WEIGHT
<b>STATIONARY BRACKETS (1)</b>		
FW35-03344	8	293 lbs.
FW35-03344-1	10	298 lbs.

- (1) For **Drilled and Tapped for Auto Lube Option**, add -2 at end of part number (8" Height) or replace -1 at end of part number (10" Height) with -3.  
 For **ELI-Electronic Lock Indicator Option**, add 0W to end of part number.  
 For multiple option combinations, please contact Customer Service for the applicable Option Code.

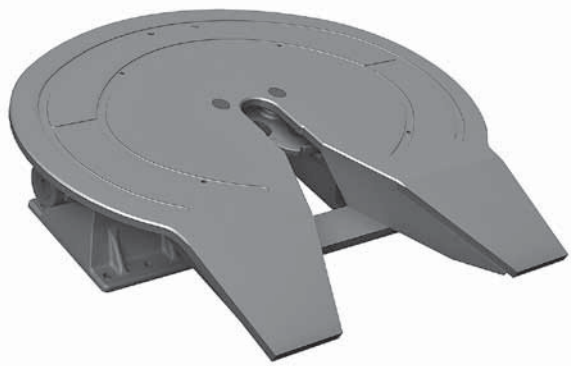
### Dimensions



### Rebuild and Replacement Kits

DESCRIPTION	PART NUMBER
Rebuild	RK-351-03505
Lock Replacement Kit	RK-351-08332-1

## FW2870



### Capacity

100,000 lbs. Maximum Vertical Load

### Applications

Moderate and Severe Duty

### Features

- Fabricated Steel Construction
- Forged, Machined, Heat-Treated Steel Lock Jaw
- Air Release
- Manual Secondary Lock
- Machined Grease Grooves

### Warranty

- 180 Day Materials and Workmanship

### Options Available

- Drilled and Tapped for Auto Lube
- Various Air Cylinder Fittings

### Top Plate Part Numbers

DESCRIPTION	WEIGHT
XA-2801-03185-1S	305 lbs.
For option, replace the "1S" at the end of the part number: Example: XA-2801-03185-2S.	
Drilled and Tapped for Auto Lube	Code 2S

For additional air fitting options or multiple option combinations, please contact Customer Service for the applicable Option Code.

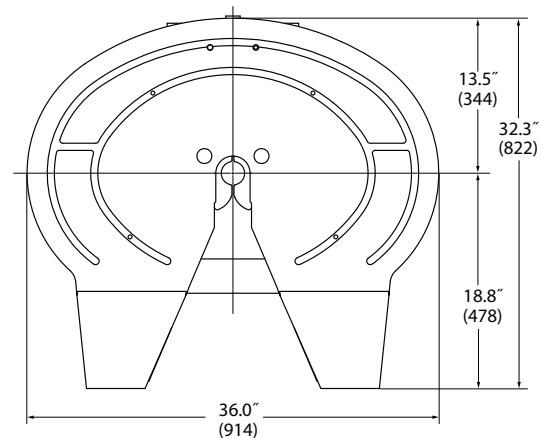
## Mounting Systems Available

NOTE: Height data is given in INCHES

FIFTH WHEEL ASSEMBLY MODEL NUMBER	HEIGHT	WEIGHT
<b>STATIONARY BRACKETS (1)</b>		
FW2870-03184	8	390 lbs.

- (1) For **Drilled and Tapped for Auto Lube Option**, add-2 at end of part number.  
For additional air fitting options or multiple option combinations, please contact Customer Service for the applicable Option Code.

## Dimensions



## Rebuild and Replacement Kits

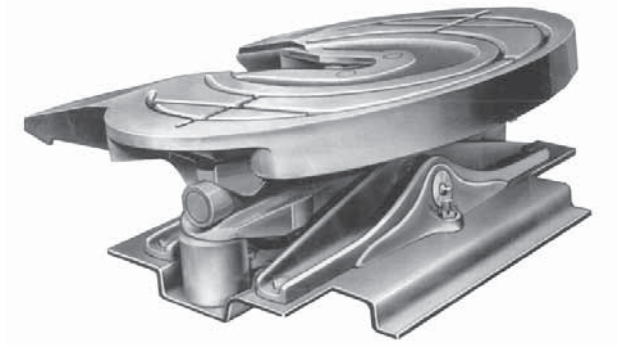
DESCRIPTION	PART NUMBER
Rebuild	RK-03185-1
Lock Replacement Kit	RK-63504



# Top Plate Models – Terminal Tractor / Fully Oscillating

SAF-HOLLAND Group

## FW1560-C



### Capacity

50,000 lbs. Maximum Vertical Load

### Applications

Standard Duty

### Features

- Fully Oscillating
- Cast Steel Construction
- Forged, Machined, Heat-Treated Steel Lock Jaw
- Air Release
- Automatic Secondary Lock
- Cast-In Grease Grooves

### Warranty

- 180 Day Materials and Workmanship

### Options Available

- Manual Release

### Top Plate Part Numbers

DESCRIPTION	WEIGHT
XA-1501-CA1S	265 lbs.
For option, replace the "C" (7th digit) with the following code: Example: XA-1501-BA1S.	
Manual Release	Code B

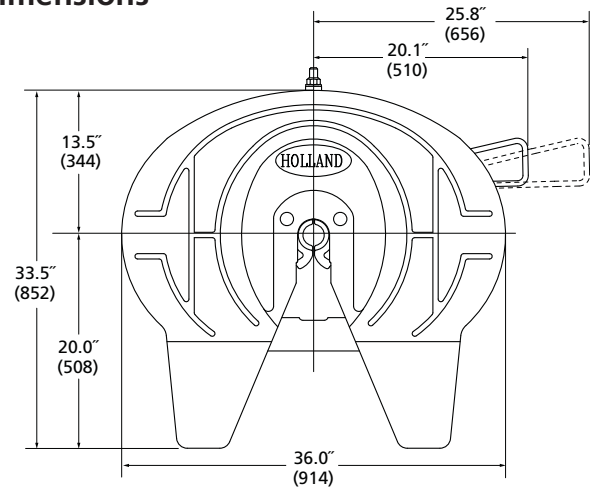
### Mounting Systems Available

NOTE: Height data is given in INCHES

FIFTH WHEEL ASSEMBLY MODEL NUMBER	HEIGHT	WEIGHT
<b>STATIONARY MOUNTING PLATE (1)</b>		
FW1560-C	11	520 lbs.

- (1) For **Manual Release**, replace C at the end of the part number with B.

### Dimensions



### Rebuild and Replacement Kits

DESCRIPTION	PART NUMBER
Rebuild-Standard	RK-65000
Rebuild-w/Air Release	RK-65005
Lock Replacement Kit	RK-63504



## FW2800/2900



### Capacity

50,000 lbs. Maximum Vertical Lift (Single Cylinder)  
100,000 lbs. Maximum Vertical Lift (Twin Cylinder)

### Applications

Standard, Moderate, and Severe Duty

### Features

#### Top Plate

- Fabricated Steel Top Construction
- Forged, Machined, Heat-Treated Steel Lock Jaw
- Air Release
- Manual Secondary Lock
- Machined Grease Grooves

#### Hydraulic Lift Mechanism

- 8" I.D. Double Action Hydraulic Cylinders
- P.T.O. Ratio of 1:1 recommended for all units; 100% of Engine RPM
- 17 GPM (at 1300 rpm) Pump-Single Cylinder
- 20 GPM (at 1300 rpm) Pump-Twin Cylinder
- 1800 PSI Maximum

### Warranty

- 180 Day Materials and Workmanship

### Options Available

- Lock Down, Single Cylinder  
(For frequent over-the-road usage on public streets or highways.)

### Top Plate Part Numbers

DESCRIPTION	WEIGHT
XA-2801-AX-1S	300 lbs.

## Mounting Systems Available

NOTE: Height data is given in INCHES

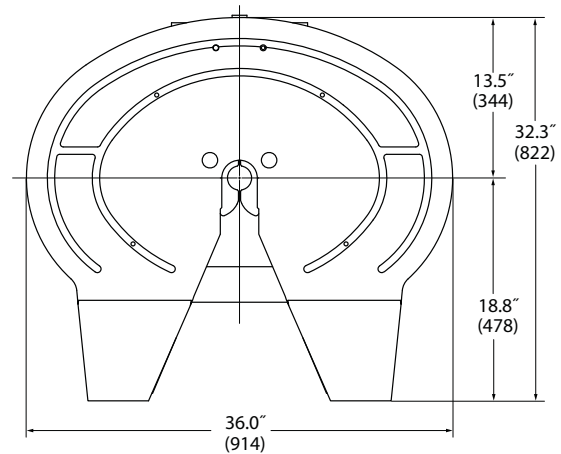
FIFTH WHEEL ASSEMBLY MODEL NUMBER	HEIGHT	WEIGHT
<b>SINGLE CYLINDER (1)</b>		
FW2900-X	10-24	1524 lbs.
FW2800-X	10-29	1662 lbs.
<b>TWIN CYLINDER</b>		
FW2900-5X	11-26	1920 lbs.
FW2800-5X	12-30	2105 lbs.

- (1) For **Lock Down Option**, add -87 to the end of the part number. Add 56 lbs. to weight.

### Hydraulic Lift Accessories Available

- Gear Pump and Hydraulic Control Valve (Single Cylinder) – **RK-2800-11G**
- Hydraulic Gear Pump, Control Valve and Flange Kit (Twin Cylinder) – **RK-2800-41-G**
- Hose and Fittings (Single Cylinder) – **RK-2800-20-G**
- Hose and Fittings (Twin Cylinder) – **RK-2800-30-G**
- Air Operated Lift Control (Single and Twin Cylinder) – **RK-2800-50**

## Dimensions



## Rebuild and Replacement Kits

DESCRIPTION	PART NUMBER
Rebuild	RK-65021-2
Lock Replacement Kit	RK-63504



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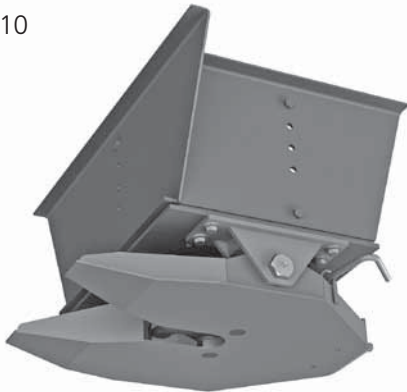
## Top Plate Models – Light Commercial

### FW6000

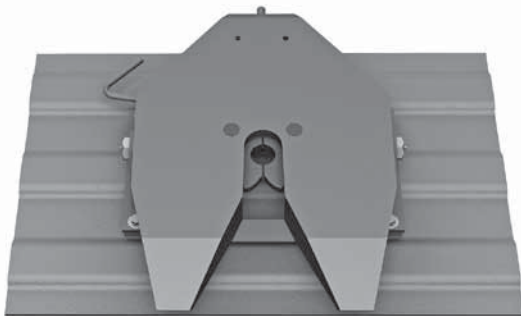
FW-6000



FW-6000-10



FW-6000-20



### Capacity

12,000 lbs. Maximum Vertical Load  
32,000 lbs. Maximum Gross Trailer Weight

### Applications

Light Commercial

### Warranty

- 2 Year Materials and Workmanship

### Top Plate Part Number

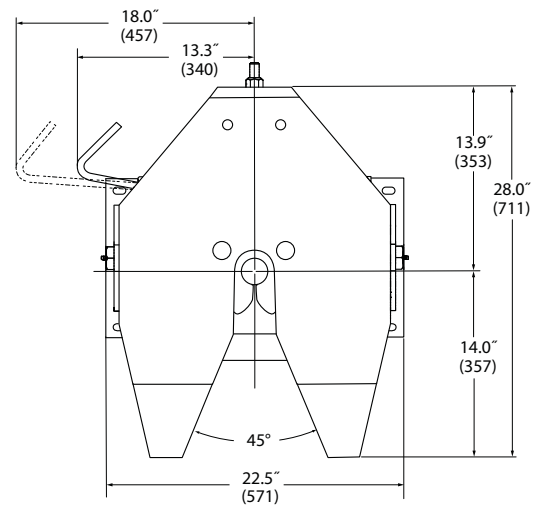
DESCRIPTION	WEIGHT
XA-6001-AS	90 lbs.

### Mounting Systems Available

NOTE: Height data is given in INCHES

FIFTH WHEEL ASSEMBLY MODEL NUMBER	HEIGHT	WEIGHT
<b>FOOT MOUNT</b>		
FW6000	5	119 lbs.
<b>WITH ADJUSTABLE MOUNTING BOX</b>		
FW6000-10	Adjustable	255 lbs.
<b>WITH MOUNTING PLATE</b>		
FW6000-20	6	222 lbs.

### Dimensions



### Rebuild and Replacement Kits

DESCRIPTION	PART NUMBER
Rebuild	RK-63512
Release Handle Replacement Kit	RK-6003

### Kingpin Accessories

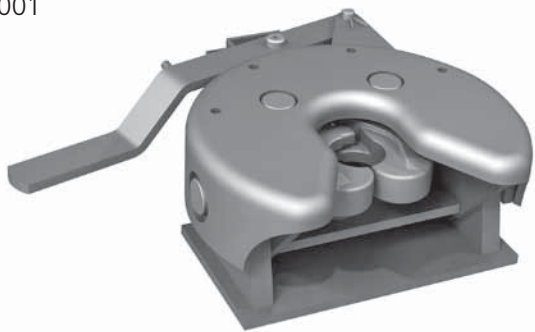


2" Kingpin, Box Mounted for Welding to Trailer Frame

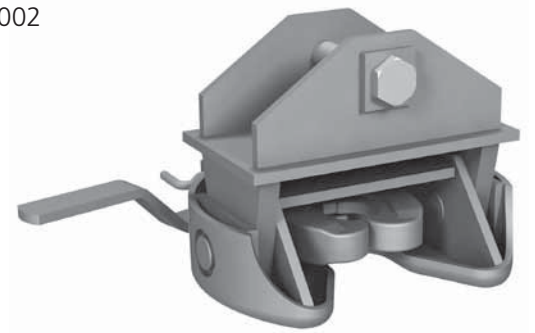
6" Height Adjustment in 2" increments from 13.62" to 19.62"

## FW0001/FW0002

FW0001



FW0002



### Capacity

8,000 lbs. Maximum Vertical Load  
32,000 lbs. Maximum Gross Trailer Weight

### Applications

Light Commercial

### Features

- Safety Lock Handle
- Ductile Iron Locking Block
- Ductile Iron Cast Split Locks

### Warranty

- 2 Year Materials and Workmanship

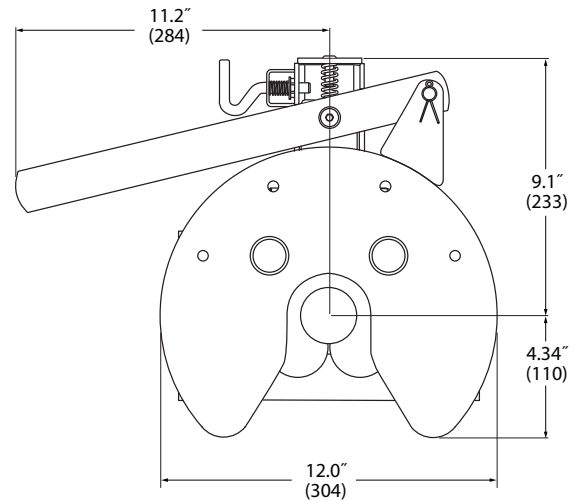
### Top Plate Part Number

DESCRIPTION	WEIGHT
FW0005-10	43 lbs.

## Mounting Systems Available

FIFTH WHEEL ASSEMBLY MODEL NUMBER	GOOSENECK TUBE SIZE	WEIGHT
<b>TUBE TYPE GOOSENECK AND BOX TYPE GOOSENECK INSTALLATIONS</b>		
FW0001	NA	60 lbs.
<b>DOUBLE AXIS TUBE TYPE GOOSENECK AND BOX TYPE GOOSENECK INSTALLATIONS</b>		
FW0002-35	3.5"	68 lbs.
FW0002-40	4.0"	68 lbs.
FW0002-45	4.5"	68 lbs.

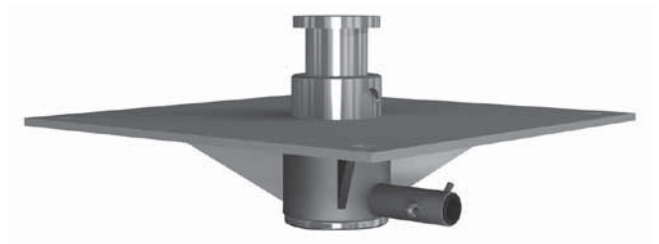
## Dimensions



## Rebuild and Replacement Kit

DESCRIPTION	PART NUMBER
Lock Jaw Replacement Kit	BFW0174

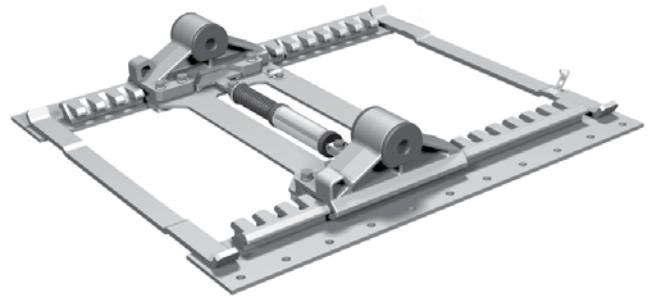
## Kingpin Accessories



### KP-0030

Bed mounted, retractable kingpin.

## FIFTH WHEEL MOUNTING SYSTEMS

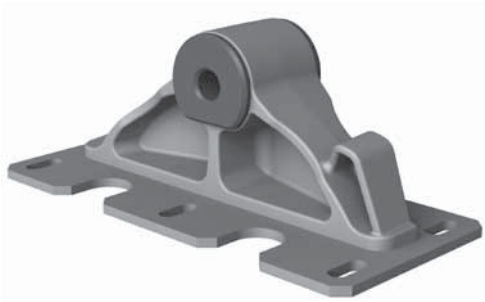


### CONTENTS:

STATIONARY, SLIDING, NO-TILT, AND KOMPENSATOR MOUNTS

- APPLICATIONS
- FEATURES
- MOUNTING SYSTEM DIMENSIONS
- FIFTH WHEEL ASSEMBLY PART NUMBERS
- FIFTH WHEEL ASSEMBLY WEIGHTS

## Foot Mount



### Applications

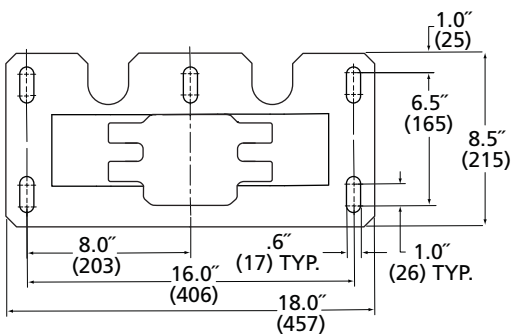
Bolt-On Corrugated or Flat Plate Mount Applications\*  
Fifth Wheels: FW17, FW16, FW31, FW35, FWAL, FWS1

\* A flat or corrugated mounting plate is required for foot mount brackets.

### Features

- 3/8" Bracket Base designed for more clearance and ease of installation when using corrugated mounting plates.
- Cast Steel Construction
- Integral Tilt Stops
- Two-Piece Side Cushioning "Up Shock" Bushings

### Dimensions



## Part Numbers

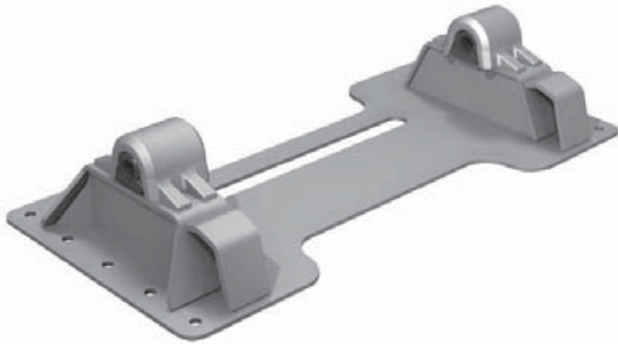
FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2) (3)	HEIGHT	WEIGHT (4)
FW__Y600XL00	6"	227 lbs.
FW__Y700XL00	7"	233 lbs.
FW__Y800XL00	8"	238 lbs.
FW__Y900XL00	9"	243 lbs.

- (1) \_\_ = One of the following two digit top plate model numbers: 17, 16, 31, 35, AL, S1
- (2) For Right Hand (curb-side) Release Handle, replace L (10th digit) in part number with R. Right hand release available on FW16, FW31 and FW35.
- (3) For options, replace the 00 at the end of the part number with the appropriate two digit code. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Air Release** – Available on FW31, FW35, FWS1 and FW17 – **Option Code-80**
  - **ELI (Electronic Lock Indicator)** – Available on FW31 and FW35 – **Option Code-EL**
  - **Manual Secondary Lock** – Available on FW31 and FW35 – **Option Code-02**
  - **Drilled and Tapped for Auto Lube** – Standard on FWS1. Available on FW17 and FW35 – **Option Code-24**
  - **Left Hand Dolly Release Handle** – Available on FW35 – **Option Code-28**
  - **Corrugated Mounting Plate** – Available on FW31 and FW35 – **Option Code-01**
- (4) Weights shown are for FWAL. Add the following based on top plate model:

FIFTH WHEEL MODEL	MANUAL RELEASE	AIR RELEASE
FW17	45 lbs.	51 lbs.
FW16	42 lbs.	N/A
FW31	94 lbs.	98 lbs.
FW35	69 lbs.	73 lbs.
FWS1	65 lbs.	72 lbs.

Add 115 lbs. for Corrugated Mounting Plate Option.

## Integrated Plate Mount



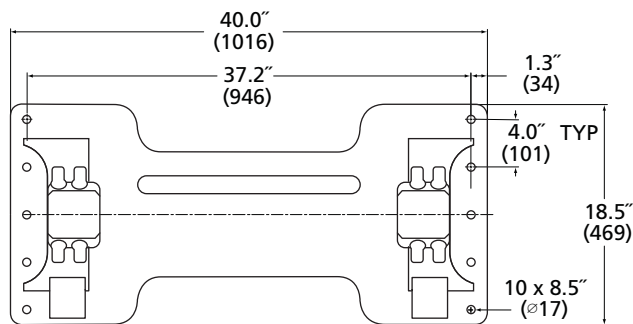
### Applications

Bolt-On Outboard Angle Applications  
 Fifth Wheels: FW17, FW16, FW31, FW35, FWAL, FWS1

### Features

- Lightweight 5/16" Plate Base
- Fabricated Steel Construction
- Forged Steel Cap
- Nylon Lined "Up-Shock" Bushing

### Dimensions



### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2) (3)	HEIGHT	WEIGHT (4)
FW__Z600XL00	6"	243 lbs.
FW__Z700XL00	7"	251 lbs.
FW__Z800XL00	8"	258 lbs.
FW__Z900XL00	9"	254 lbs.

- (1) \_\_ = One of the following two digit top plate model numbers: 17, 16, 31, 35, AL, S1.
- (2) For Right Hand (curb-side) Release Handle, replace L (10th digit) in part number with R. Right hand release available on FW16, FW31 and FW35.
- (3) For options, replace the 00 at the end of the part number with the appropriate two digit code. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Air Release** – Available on FW31, FW35, FWS1 and FW17 – **Option Code-80**
  - **ELI (Electronic Lock Indicator)** – Available on FW31 and FW35 – **Option Code-EL**
  - **Manual Secondary Lock** – Available on FW31 and FW35 – **Option Code-02**
  - **Drilled and Tapped for Auto Lube** – Standard on FWS1. Available on FW17 and FW35 – **Option Code-24**
  - **Left Hand Dolly Release Handle** – Available on FW35 – **Option Code-28**
- (4) Weights shown are for FWAL. Add the following based on top plate model:

FIFTH WHEEL MODEL	MANUAL RELEASE	AIR RELEASE
FW17	45 lbs.	51 lbs.
FW16	42 lbs.	N/A
FW31	94 lbs.	98 lbs.
FW35	69 lbs.	73 lbs.
FWS1	65 lbs.	72 lbs.

## Bracket for Angle Mounting



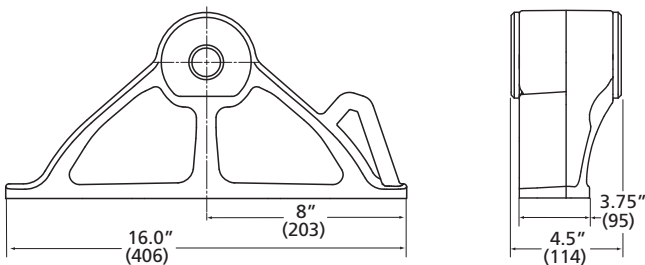
### Applications

Welded Over-the-Frame Angle Applications  
Fifth Wheels: FW17, FW16, FW31, FW35, FWAL, FWS1

### Features

- Cast Steel Construction
- Integral Tilt Stop
- Two-Piece Side Cushioning "Up Shock" Bushings

### Dimensions



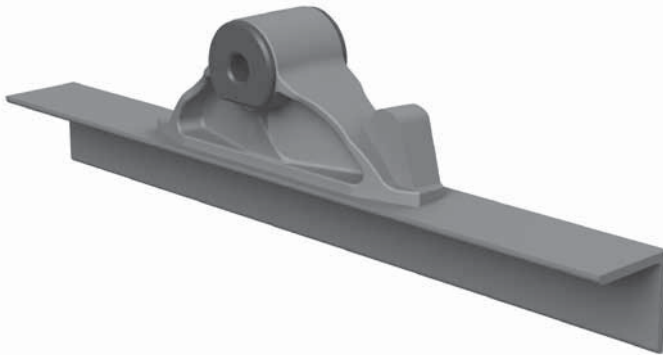
## Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2) (3)	HEIGHT	WEIGHT (4)
FW__X600XL00	6"	198 lbs.
FW__X700XL00	7"	204 lbs.
FW__X800XL00	8"	209 lbs.
FW__X900XL00	9"	214 lbs.

- (1) \_\_ = One of the following two digit top plate model numbers: 17, 16, 31, 35, AL, S1
- (2) For Right Hand (curb-side) Release Handle, replace L (10th digit) in part number with R. Right hand release available on FW16, FW31 and FW35.
- (3) For options, replace the 00 at the end of the part number with the appropriate two digit code. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Air Release** – Available on FW31, FW35, FWS1 and FW17 – **Option Code-80**
  - **ELI (Electronic Lock Indicator)** – Available on FW31 and FW35 – **Option Code-EL**
  - **Manual Secondary Lock** – Available on FW31 and FW35 – **Option Code-02**
  - **Drilled and Tapped for Auto Lube** – Standard on FWS1. Available on FW17 and FW35 – **Option Code-24**
  - **Left Hand Dolly Release Handle** – Available on FW35 – **Option Code-28**
- (4) Weights shown are for FWAL. Add the following based on top plate model:

FIFTH WHEEL MODEL	MANUAL RELEASE	AIR RELEASE
FW17	45 lbs.	51 lbs.
FW16	42 lbs.	N/A
FW31	94 lbs.	98 lbs.
FW35	69 lbs.	73 lbs.
FWS1	65 lbs.	72 lbs.

## Bracket with Angle Mount



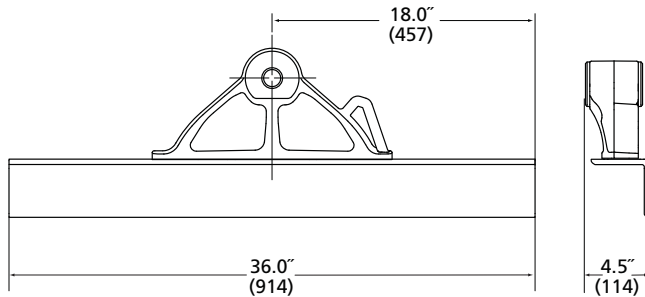
### Applications

Over-the-Frame Angle Applications  
 Fifth Wheels: FW17, FW16, FW31, FW35, FWAL, FWS1

### Features

- Cast Steel Construction
- Integral Tilt Stop
- Two-Piece Side Cushioning "Up Shock" Bushings
- 4" x 4" x .38" x 36" Length Mounting Angle Standard

### Dimensions



### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2) (3)	HEIGHT	WEIGHT (4)
FW__W600GL00	6"	256 lbs.
FW__W700GL00	7"	262 lbs.
FW__W800GL00	8"	267 lbs.
FW__W900GL00	9"	272 lbs.

- 1) \_\_ = One of the following two digit top plate model numbers: 17, 16, 31, 35, AL, S1
- 2) For Right Hand (curb-side) Release Handle, replace L (10th digit) in part number with R. Right hand release available on FW16, FW31 and FW35.
- 3) For Frame Width, replace G (34.00" Frame Width) (9th digit) in part number with appropriate code from table below.

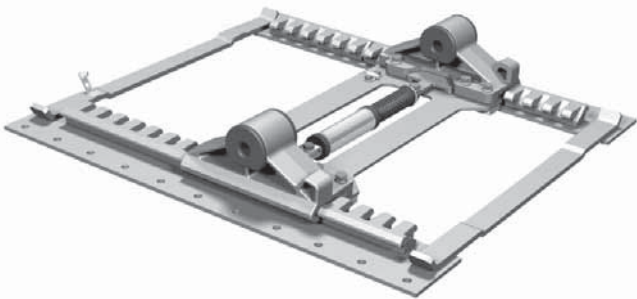
FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		

- 4) For options, replace the 00 at the end of the part number with the appropriate two digit code. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Air Release** – Available on FW31, FW35, FWS1 and FW17 – **Option Code-80**
  - **ELI (Electronic Lock Indicator)** – Available on FW31 and FW35 – **Option Code-EL**
  - **Manual Secondary Lock** – Available on FW31 and FW35 – **Option Code-02**
  - **Drilled and Tapped for Auto Lube** – Standard on FWS1. Available on FW17 and FW35 – **Option Code-24**
  - **Left Hand Dolly Release Handle** – Available on FW35 – **Option Code-28**
- 5) Weights shown are for FWAL. Add the following based on top plate model:

FIFTH WHEEL MODEL	MANUAL RELEASE	AIR RELEASE
FW17	45 lbs.	51 lbs.
FW16	42 lbs.	N/A
FW31	94 lbs.	98 lbs.
FW35	69 lbs.	73 lbs.
FWS1	65 lbs.	72 lbs.



## ILS Outboard Mount



### Applications

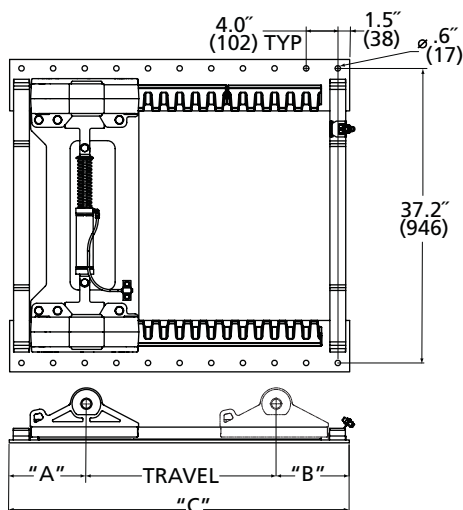
Bolt-on Outboard Angle Applications

Fifth Wheels: FW17, FW16, FW31, FW35, FWAL, FWS1

### Features

- Low Weight
- Single-Piece, Bolt-On Cast Bracket
- Two-Piece Side Cushioning "Upshock" Bushings
- Slide-On (No Weld), Repositionable Bulk Head Fitting Bracket
- Same Air Cylinder Location on All Heights, including "Quick-Connect" Fittings
- 2" Slide Increments
- Universal "Tie Plate"

### Dimensions



PART NUMBER	TRAVEL	A	B	C	TOTAL HOLES
*12X*	12"	9.75"	9.25"	31"	16
*24X*	24"	9.75"	9.25"	43"	22
*36X*	36"	9.75"	9.25"	55"	28
*48X*	48"	9.75"	9.25"	67"	34

## Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2) (3)	HEIGHT	TRAVEL	WEIGHT (4)
FW__A712XL00	7"	12"	345 lbs.
FW__A724XL00	7"	24"	378 lbs.
FW__A736XL00	7"	36"	412 lbs.
FW__A748XL00	7"	48"	445 lbs.
FW__A812XL00	8"	12"	349 lbs.
FW__A824XL00	8"	24"	383 lbs.
FW__A836XL00	8"	36"	417 lbs.
FW__A848XL00	8"	48"	450 lbs.
FW__A912XL00	9"	12"	353 lbs.
FW__A924XL00	9"	24"	387 lbs.
FW__A936XL00	9"	36"	420 lbs.
FW__A948XL00	9"	48"	454 lbs.

- (1) \_\_ = One of the following two digit top plate model numbers: 17, 16, 31, 35, AL, S1
- (2) For Right Hand (curb-side) Release Handle, replace L (10th digit) in part number with R. Right hand release available on FW16, W31 and FW35.
- (3) For options, replace the 00 at the end of the part number with the appropriate two digit code. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Air Release** – Available on FW31, FW35, FWS1 and FW17 – **Option Code-80**
  - **ELI (Electronic Lock Indicator)** – Available on FW31 and FW35 – **Option Code-EL**
  - **Manual Secondary Lock** – Available on FW31 and FW35 – **Option Code-02**
  - **Drilled and Tapped for Auto Lube** – Standard on FWS1. Available on FW17 and FW35 – **Option Code-24**
  - **Left Hand Dolly Release Handle** – Available on FW35 – **Option Code-28**
- (4) Weights shown are for FWAL. Add the following based on top plate model:

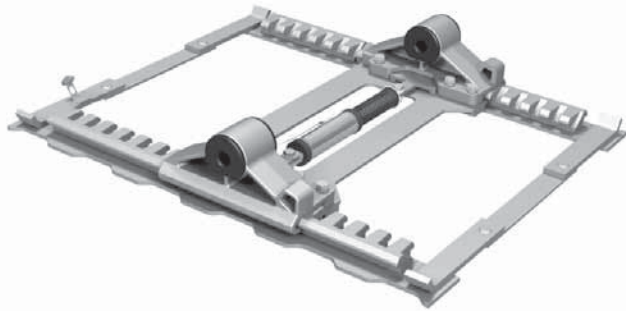
FIFTH WHEEL MODEL	MANUAL RELEASE	AIR RELEASE
FW17	45 lbs.	51 lbs.
FW16	42 lbs.	N/A
FW31	94 lbs.	98 lbs.
FW35	69 lbs.	73 lbs.
FWS1	65 lbs.	72 lbs.



SAF-HOLLAND Group

# Mounting Systems – Sliding Mounts

## ILS Inboard Mount (Over-the-Frame)



### Applications

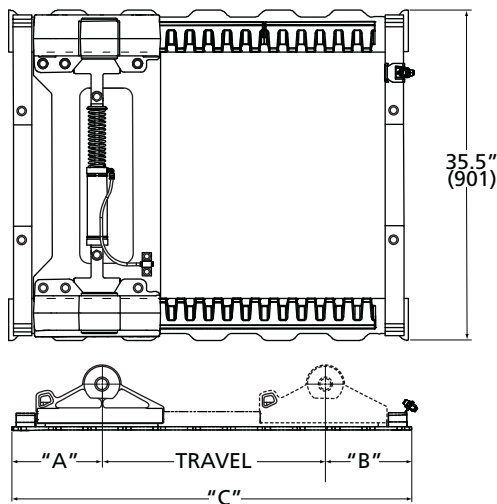
Over-the-Frame Mount Applications

Fifth Wheels: FW17, FW16, FW31, FW35, FWAL, FWS1

### Features

- Low Weight
- Single-Piece, Bolt-On Cast Bracket
- Two-Piece Side Cushioning "Upshock" Bushings
- Slide-On (No Weld), Repositionable Bulk Head Fitting Bracket
- Same Air Cylinder Location on All Heights, including "Quick-Connect" Fittings
- 2" Slide Increments
- Universal "Tie Plate"

### Dimensions



PART NUMBER	TRAVEL	A	B	C
*12X*	12"	9.75"	9.25"	31"
*24X*	24"	9.75"	9.25"	43"
*36X*	36"	9.75"	9.25"	55"
*48X*	48"	9.75"	9.25"	67"

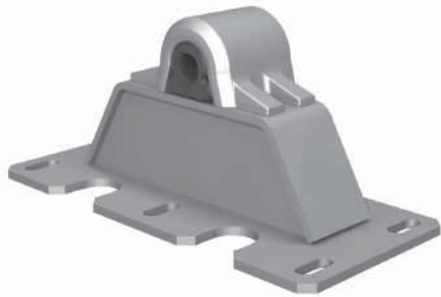
### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2) (3)	HEIGHT	TRAVEL	WEIGHT (4)
FW__B712XL00	7"	12"	330 lbs.
FW__B724XL00	7"	24"	358 lbs.
FW__B736XL00	7"	36"	386 lbs.
FW__B748XL00	7"	48"	414 lbs.
FW__B812XL00	8"	12"	335 lbs.
FW__B824XL00	8"	24"	363 lbs.
FW__B836XL00	8"	36"	391 lbs.
FW__B848XL00	8"	48"	419 lbs.
FW__B912XL00	9"	12"	339 lbs.
FW__B924XL00	9"	24"	367 lbs.
FW__B936XL00	9"	36"	395 lbs.
FW__B948XL00	9"	48"	423 lbs.

- (1) \_\_ = One of the following two digit top plate model numbers: 17, 16, 31, 35, AL, S1
- (2) For Right Hand (curb-side) Release Handle, replace L (10th digit) in part number with R. Right hand release available on FW16, FW31 and FW35.
- (3) For options, replace the 00 at the end of the part number with the appropriate two digit code. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Air Release** – Available on FW31, FW35, FWS1 and FW17 – **Option Code-80**
  - **ELI (Electronic Lock Indicator)** – Available on FW31 and FW35 – **Option Code-EL**
  - **Manual Secondary Lock** – Available on FW31 and FW35 – **Option Code-02**
  - **Drilled and Tapped for Auto Lube** – Standard on FWS1. Available on FW17 and FW35 – **Option Code-24**
  - **Left Hand Dolly Release Handle** – Available on FW35 – **Option Code-28**
- (4) Weights shown are for FWAL. Add the following based on top plate model:

FIFTH WHEEL MODEL	MANUAL RELEASE	AIR RELEASE
FW17	45 lbs.	51 lbs.
FW16	42 lbs.	N/A
FW31	94 lbs.	98 lbs.
FW35	69 lbs.	73 lbs.
FWS1	65 lbs.	72 lbs.

## Foot Mount



### Applications

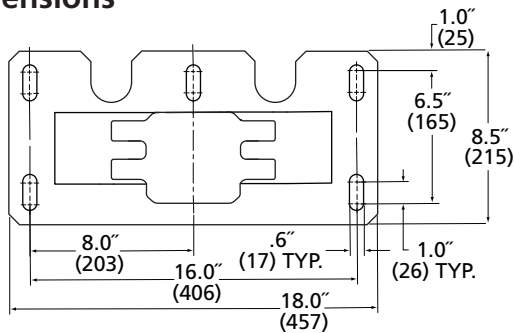
Bolt-On Corrugated or Flat Plate Mount Applications\*

\* A flat or corrugated mounting plate is required for foot mount brackets.

### Features

- 3/8" Bracket Base designed for more clearance and ease of installation when using corrugated mounting plates.

### Dimensions

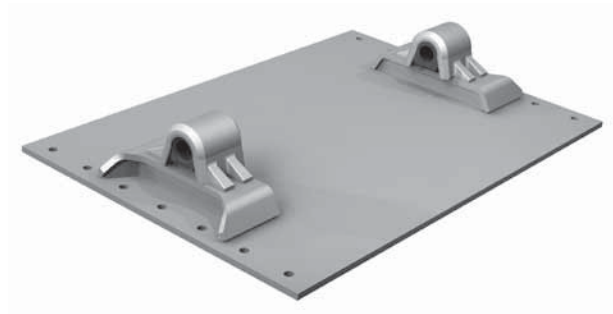


### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1)	HEIGHT	WEIGHT
FW0070-7603XL	7"	412 lbs.
FW0070-7602XL	8"	419 lbs.
FW0070-7601XL	9"	421 lbs.

- (1) For options, add the following to the end of the part number. For multiple option combinations, please contact Customer Service for the applicable Option Code.
- **3.5" Kingpin Lock – Option Code-03**
  - **Corrugated Mounting Plate – Option Code-01** (Add 115 lbs. to the weight)

## Integrated Plate Mount



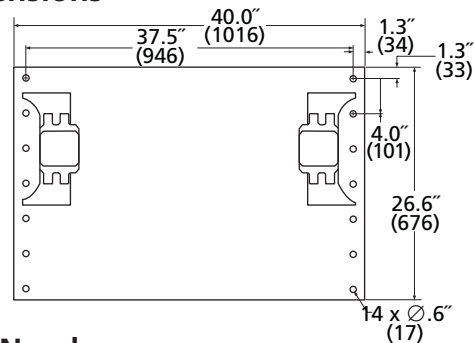
### Applications

Bolt-On Outboard Angle Applications

### Features

- 1/2" Base Plate

### Dimensions

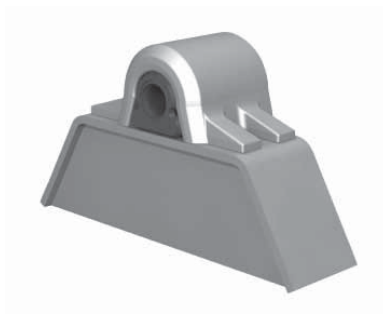


### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1)	HEIGHT	WEIGHT
FW0070-7685XL	7"	533 lbs.
FW0070-7684XL	8"	539 lbs.
FW0070-7683XL	9"	542 lbs.

- (1) For options, add the following to the end of the part number. For multiple option combinations, please contact Customer Service for the applicable Option Code.
- **3.5" Kingpin Lock – Option Code-03**

## Bracket for Angle Mounting



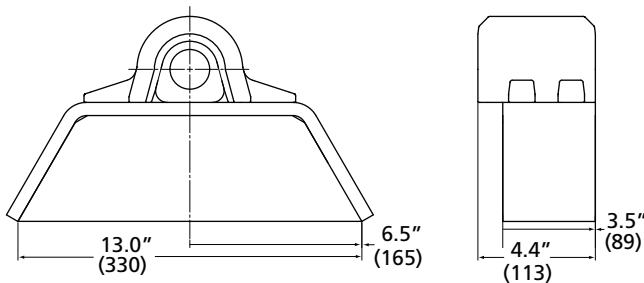
### Applications

Welded Over-the-Frame Angle Applications

### Features

- Fabricated Steel Construction
- Forged Steel Cap
- Nylon Lined "Up-Shock" Bushing

### Dimensions

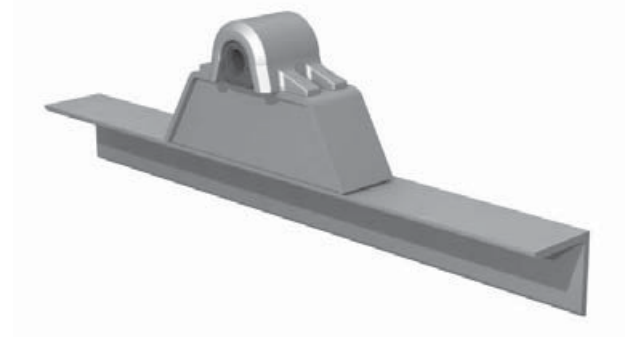


### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1)	HEIGHT	WEIGHT
FW0070-7623XL	7"	373 lbs.
FW0070-7622XL	8"	380 lbs.
FW0070-7621XL	9"	382 lbs.

- (1) For options, add the following to the end of the part number. For multiple option combinations, please contact Customer Service for the applicable Option Code.
- **3.5" Kingpin Lock – Option Code-03**

## Bracket with Angle Mount



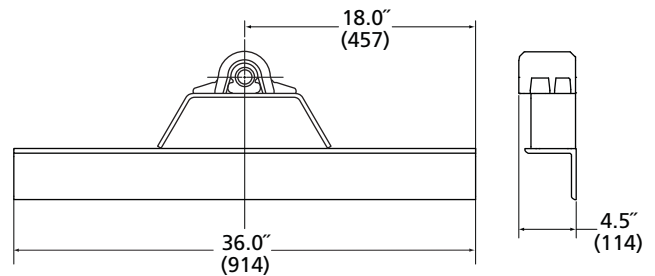
### Applications

Over-the-Frame Angle Applications

### Features

- 4" x 4" x .38" x 36" Length Mounting Angle Standard

### Dimensions



### Part Numbers

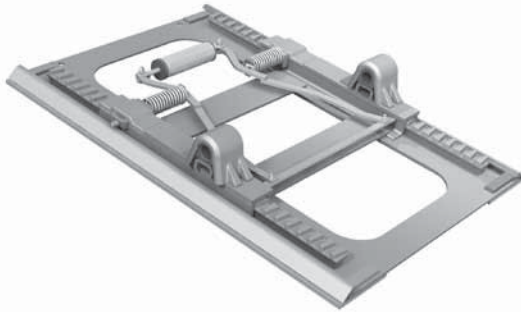
FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	WEIGHT
FW0070-7614GL	6"	441 lbs.
FW0070-7613GL	7"	450 lbs.
FW0070-7612GL	8"	457 lbs.
FW0070-7611GL	9"	459 lbs.

- (1) For options, add the following to the end of the part number. For multiple option combinations, please contact Customer Service for the applicable Option Code.
- **3.5" Kingpin Lock – Option Code-03**

- (2) For the Frame Width, replace "G" (34.00" Frame Width – 11<sup>th</sup> digit) in part number with the appropriate code from the table below.

FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		

## Inboard for Angle Mounting (Over-the-Frame)



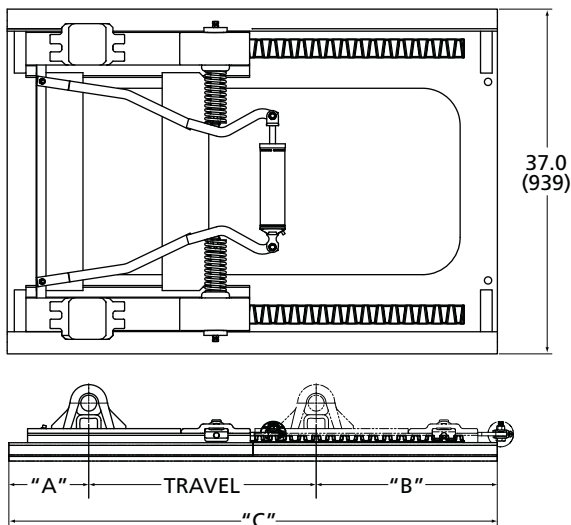
### Applications

Over-the-Frame Mount Applications

### Features

- Fabricated Steel Construction
- Forged Steel Cap
- Nylon Lined "Up-Shock" Bushings

### Dimensions



PART NUMBER	TRAVEL	A	B	C
*X1L	11"	8.6"	19.3"	38.9"
*X2L	17"	8.6"	19.4"	45.0"
*Z3L	25"	8.6"	19.0"	52.6"
*X4L	41"	8.6"	19.9"	69.5"
*X5L	54"	8.6"	19.4"	82.0"
*X6L	66"	8.6"	19.4"	94.0"

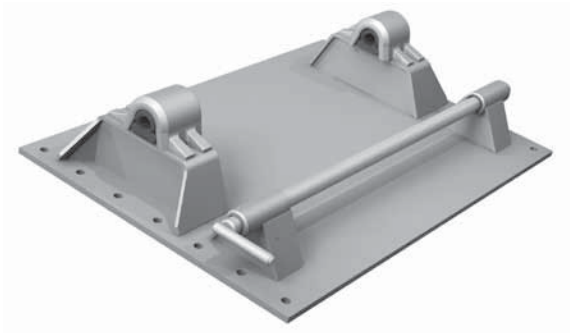
### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1)	HEIGHT	TRAVEL	WEIGHT
FW2570-7103X1L	8"	11"	850 lbs.
FW2570-7103X2L	8"	17"	870 lbs.
FW2570-7103Z3L	8"	25"	890 lbs.
FW2570-7103X4L	8"	41"	930 lbs.
FW2570-7103X5L	8"	54"	970 lbs.
FW2570-7103X6L	8"	66"	1010 lbs.
FW2570-7102X1L	9"	11"	855 lbs.
FW2570-7102X2L	9"	17"	875 lbs.
FW2570-7102Z3L	9"	25"	895 lbs.
FW2570-7102X4L	9"	41"	935 lbs.
FW2570-7102X5L	9"	54"	975 lbs.
FW2570-7102X6L	9"	66"	1015 lbs.

(1) For options, add the following to the end of the part number.

- **3.5" Kingpin Lock – Option Code-03**

## Outboard Mount



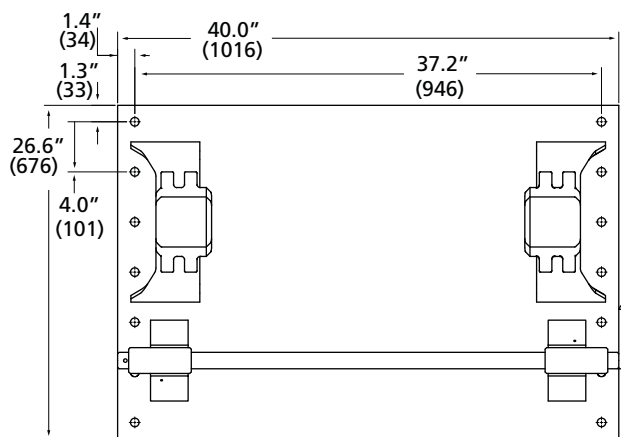
### Applications

Bolt-on Outboard Angle Applications  
Fifth Wheels: FW35

### Features

- ½" Mounting Plate
- No Tilt Brackets
- Fabricated Steel Construction
- Forged Steel Cap
- Nylon Lined "Up-Shock" Bushings

### Dimensions



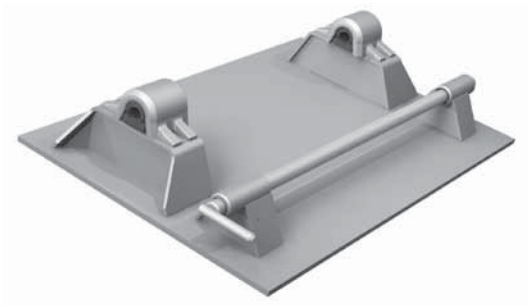
## Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	WEIGHT
FW35-8984XL06	8"	489 lbs.
FW35-8983XL06	9"	491 lbs.

- (1) For Right Hand (curb-side) Release Handle, replace L in part number with R.
- (2) For options, replace the 06 at the end of the part number with the appropriate two digit code.
  - **Manual Secondary Lock – Option Code-34**

## Mounting Systems – No-Tilt Stationary Mounts

### Inboard For Angle Mounting (Over-the-Frame)



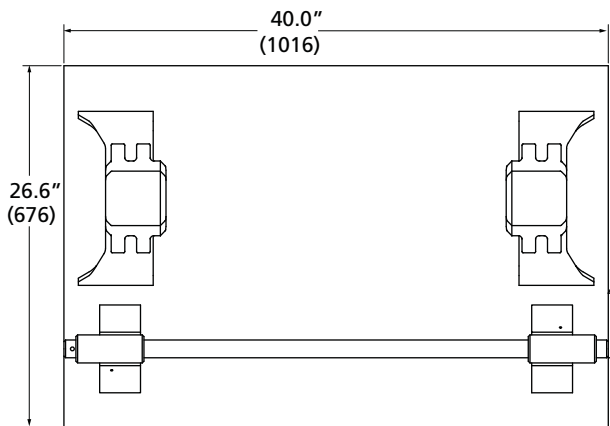
### Applications

Over-the-Frame Mount Applications  
Fifth Wheels: FW35

### Features

- $\frac{3}{8}$ " Mounting Plate
- No Tilt Brackets
- Fabricated Steel Construction
- Forged Steel Cap
- Nylon Lined "Up-Shock" Bushings

### Dimensions

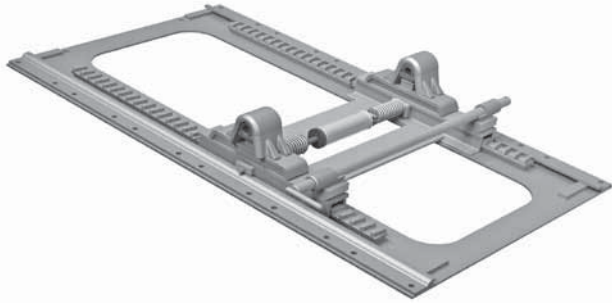


### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	WEIGHT
FW35-8922XL06	8"	454 lbs.

- (1) For Right Hand (curb-side) Release Handle, replace L in part number with R.
- (2) For options, replace the 06 at the end of the part number with the appropriate two digit code.
  - **Manual Secondary Lock – Option Code-34**

## Outboard Mount



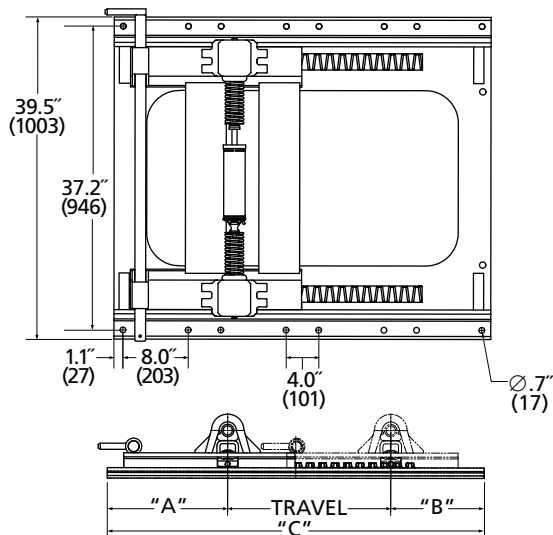
### Applications

Bolt-On Outboard Angle Applications  
Fifth Wheels: FW35

### Features

- No Tilt Slider Bracket and Slide Plate
- Weight Saver Cutout
- Fabricated Steel Construction
- Forged Steel Cap
- Nylon Lined "Up-Shock" Bushing

### Dimensions



PART NUMBER	TRAVEL	A	B	C
*T2L	14"	14.63"	11.57"	42.2"
*T3L	20"	14.63"	11.57"	46.6"
*T4L	32"	14.63"	11.57"	58.2"
*T5L	44"	14.63"	11.57"	70.2"

### Part Numbers

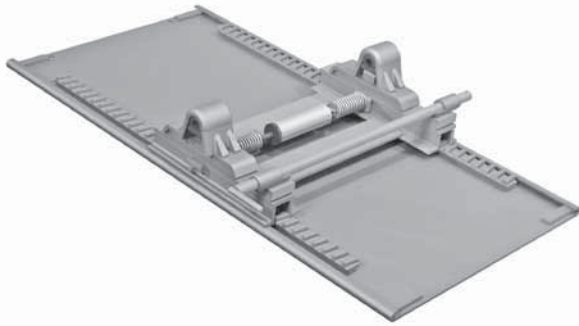
FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	TRAVEL	WEIGHT
FW35-8401T2L06	9"	14"	516 lbs
FW35-8401T3L06	9"	20"	547 lbs
FW35-8401T4L06	9"	32"	580 lbs
FW35-8401T5L06	9"	44"	620 lbs
FW35-8409T2L06	10"	14"	571 lbs
FW35-8409T3L06	10"	20"	598 lbs
FW35-8409T4L06	10"	32"	641 lbs
FW35-8409T5L06	10"	44"	682 lbs

- (1) For Right Hand (curb-side) Release Handle, replace L in part number with R.
- (2) For options, replace the 06 at the end of the part number with the appropriate two digit code. For multiple option combinations, please contact Customer Service for the applicable Option Code.

- **Manual Secondary Lock – Option Code-34**



## Inboard for Angle Mounting (Over-the-Frame)



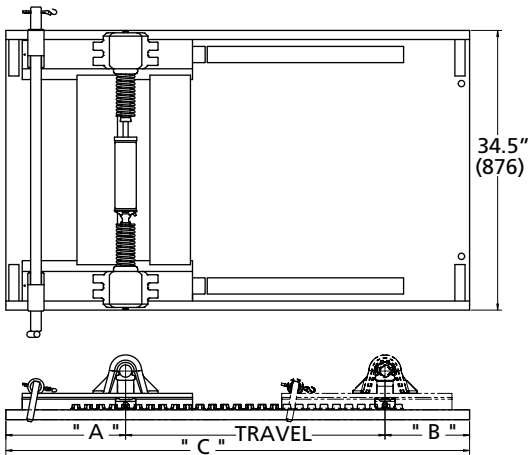
### Applications

Over-the-Frame Mount Applications  
Fifth Wheels: FW35

### Features

- No Tilt Slider Bracket and Slide Plate
- Fabricated Steel Construction
- Forged Steel Cap
- Nylon Lined "Up-Shock" Bushings
- Optional Weight Saver Cutout

### Dimensions



PART NUMBER	TRAVEL	A	B	C
*X2L06	14"	14.8"	10.15"	38.9"
*X3L06	20"	14.8"	10.25"	45.0"
*X4L06	32"	14.8"	10.45"	52.6"
*X5L06	44"	14.8"	10.75"	69.5"
*X6L06	57"	14.8"	10.25"	82.0"

### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	TRAVEL	WEIGHT	
			STD	WT SAVER
FW35-7401X2L06	9"	14"	559 lbs	500 lbs
FW35-7401X3L06	9"	20"	577 lbs	518 lbs
FW35-7401X4L06	9"	32"	618 lbs	540 lbs
FW35-7401X5L06	9"	44"	674 lbs	577 lbs
FW35-7401X6L06	9"	57"	724 lbs	607 lbs
FW35-7409X2L06	10"	14"	586 lbs	527 lbs
FW35-7409X3L06	10"	20"	604 lbs	545 lbs
FW35-7409X4L06	10"	32"	645 lbs	567 lbs
FW35-7409X5L06	10"	44"	701 lbs	604 lbs
FW35-7409X6L06	10"	57"	751 lbs	634 lbs

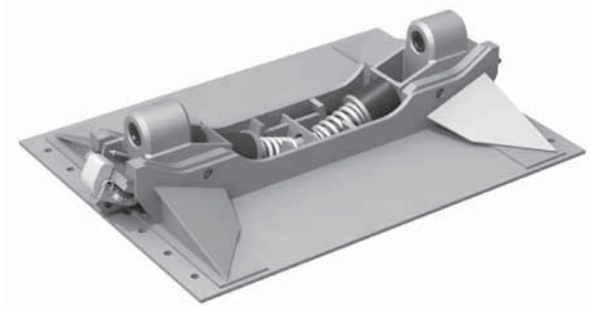
- (1) For Right Hand (curb-side) Release Handle, replace L in part number with R.
- (2) For options, replace the 06 at the end of the part number with the appropriate two digit code. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Manual Secondary Lock – Option Code-34**
  - **Weight Saver Cutout – Option Code-44**



SAF-HOLLAND Group

# Mounting Systems – Kompensator Stationary Mounts

## Outboard Plate Mount



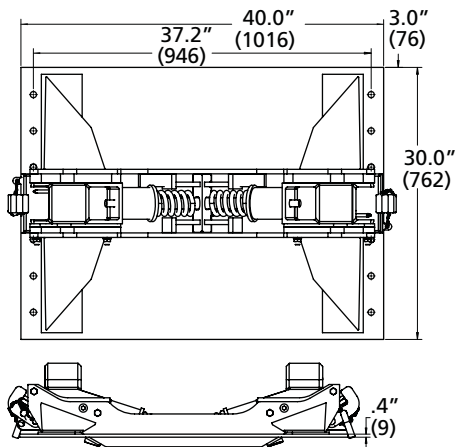
### Applications

Bolt-on Outboard Angle Applications  
Fifth Wheels: FW35, FW0070

### Features

- Side-to-Side Oscillation
- Cradle Design
- Fabricated Steel Construction
- Optional Lock Out
- 3/8" Mounting Plate - FW35
- 1/2" Mounting Plate - FW7040

### Dimensions



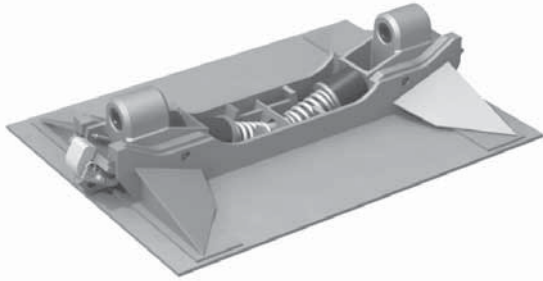
### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	WEIGHT
FW35-7729XL	10"	586 lbs.
FW35-7727XL	12"	651 lbs.
FW35-7726XL	13"	660 lbs.

FIFTH WHEEL ASSEMBLY MODEL NUMBER (2)	HEIGHT	WEIGHT
FW7040-7779XL	10"	749 lbs.
FW7040-7777XL	12"	821 lbs.
FW7040-7776XL	13"	836 lbs.

- (1) For Right Hand (curb-side) Release Handle, replace L in part number with R. Right hand release available on FW35.
- (2) For options, add the appropriate two digit code to the end of the part number. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Manual Secondary Lock** – Standard on FW7040. Available on FW35. **Option Code-34**
  - **Drilled and Tapped for Autolube** – **Option Code-24**
  - **Kompensator Lock Out** – **Option Code-19** (Add 5 lbs. to weight)
  - **3.5" Kingpin Lock** – Available on FW7040. **Option Code-03**

## Inboard Plate Mount for Angle Mounting (Over-the-Frame)



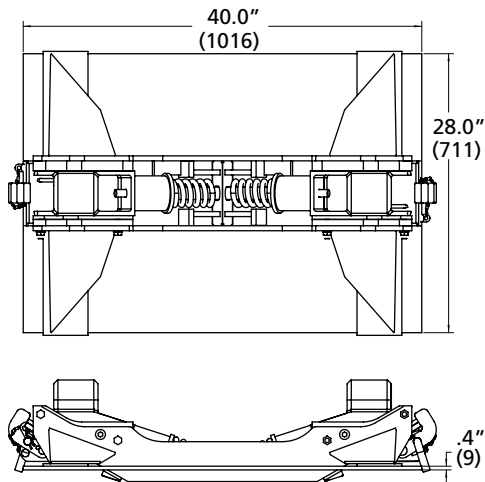
### Applications

Over-the-Frame Mount Applications  
Fifth Wheels: FW35

### Features

- Side-to-Side Oscillation
- Cradle design
- Fabricated Steel Construction
- Optional Lock Out
- 3/8" Mounting Plate

### Dimensions

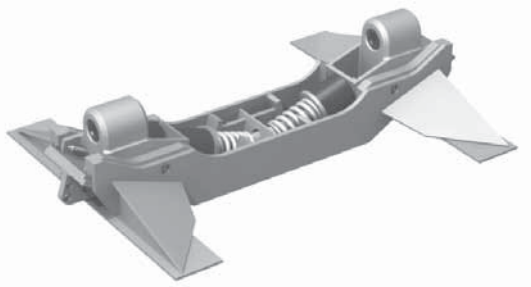


### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	WEIGHT
FW35-7723XL	10"	590 lbs.
FW35-7722XL	12"	652 lbs.
FW35-7721XL	13"	667 lbs.

- (1) For Right Hand (curb-side) Release Handle, replace L in part number with R.
- (2) For options, add the appropriate two digit code to the end of the part number. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Manual Secondary Lock – Option Code-02**
  - **Drilled and Tapped for Autolube – Option Code-24**
  - **Kompensator Lock Out – Option Code-19**  
(Add 5 lbs. to weight)

## Inboard for Angle Mounting (Over-the-Frame)



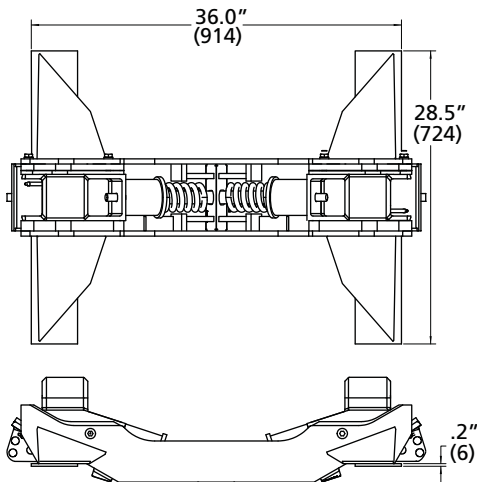
### Applications

Over-the-Frame Mount Applications  
Fifth Wheels: FW35

### Features

- Side-to-Side Oscillation
- Cradle design
- Fabricated Steel Construction
- Optional Lock Out

### Dimensions

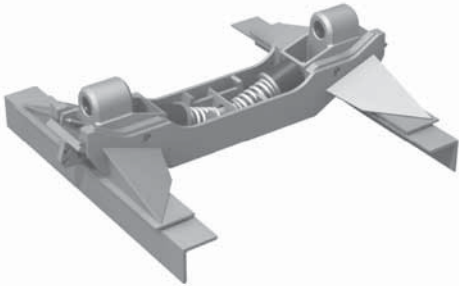


### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	WEIGHT
FW35-7703XL	9"	490 lbs.
FW35-7702XL	11"	532 lbs.
FW35-7701XL	12"	547 lbs.

- (1) For Right Hand (curb-side) Release Handle, replace L in part number with R.
- (2) For options, add the appropriate two digit code to the end of the part number. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Manual Secondary Lock – Option Code-02**
  - **Drilled and Tapped for Autolube – Option Code-24**
  - **Kompensator Lock Out – Option Code-19**  
(Add 5 lbs. to weight)

## Inboard with Angle Mount (Over-the-Frame)



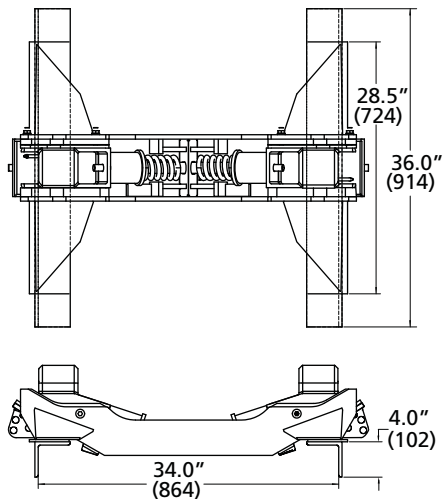
### Applications

Over-the-Frame Mount Applications  
Fifth Wheels: FW35

### Features

- Side-to-Side Oscillation
- Cradle design
- Fabricated Steel Construction
- Optional Lock Out

### Dimensions



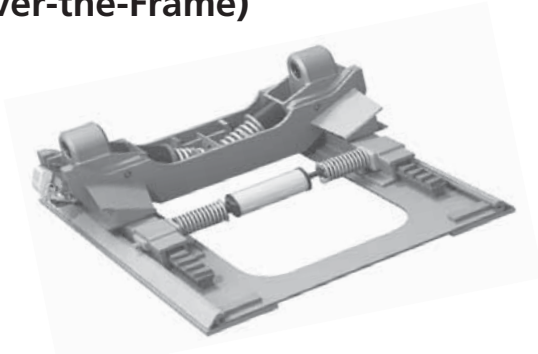
### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1, 2, 3)	HEIGHT	WEIGHT
FW35-7713GL	10"	550 lbs.
FW35-7712GL	12"	592 lbs.
FW35-7711GL	13"	607 lbs.

- (1) For Right Hand (curb-side) Release Handle, replace L in part number with R.
- (2) For options, add the appropriate two digit code to the end of the part number. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Manual Secondary Lock – Option Code-02**
  - **Drilled and Tapped for Autolube – Option Code-24**
  - **Kompensator Lock Out – Option Code-19**  
(Add 5 lbs. to weight)
- (3) For the Frame Width, replace "G" (34.00" Frame Width) (9th digit) in part number with the appropriate code from the table below.

FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		

## Inboard for Angle Mounting (Over-the-Frame)



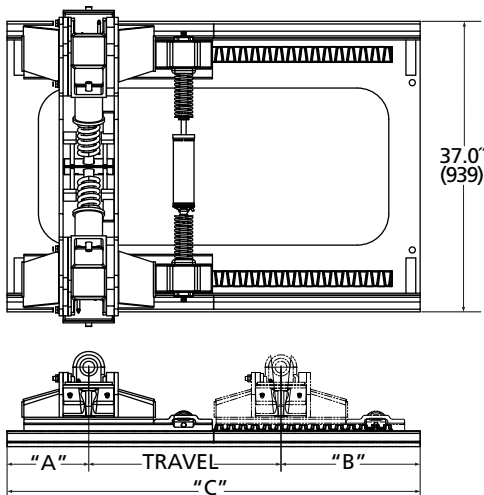
### Applications

Over-the-Frame Mount Applications  
Fifth Wheels: FW35, FW0070

### Features

- Side-to-Side Oscillation
- Cradle Design
- Fabricated Steel Construction
- Optional Lock Out

### Dimensions



PART NUMBER	TRAVEL	A	B	C
*X1L	11"	10.4"	17.5"	38.9"
*X2L	17"	10.4"	17.6"	45.0"
*X3L	25"	10.4"	17.2"	52.6"
*X4L	41"	10.4"	18.1"	69.5"
*X5L	54"	10.4"	17.6"	82.0"
*X6L	66"	10.4"	17.6"	94.0"

### Part Numbers

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	TRAVEL	WEIGHT
FW35-7201X1L	13"	11"	834 lbs
FW35-7201X2L	13"	17"	854 lbs
FW35-7201X3L	13"	24"	910 lbs
FW35-7201X4L	13"	41"	931 lbs.
FW35-7201X5L	13"	54"	1045 lbs.
FW35-7201X6L	13"	66"	1144 lbs.

FIFTH WHEEL ASSEMBLY MODEL NUMBER (1) (2)	HEIGHT	TRAVEL	WEIGHT
FW7090-7251X1L	13"	11"	910 lbs.
FW7090-7251X2L	13"	17"	960 lbs.
FW7090-7251Z3L	13"	24"	1005 lbs.
FW7090-7251X4L	13"	41"	1105 lbs.
FW7090-7251X5L	13"	54"	1205 lbs.
FW7090-7251X6L	13"	66"	1305 lbs.

- (1) For Right Hand (curb-side) Release Handle, replace L in part number with R. Right hand release available on FW35.
- (2) For options, add the appropriate two digit code to the end of the part number. For multiple option combinations, please contact Customer Service for the applicable Option Code.
  - **Manual Secondary Lock** – Standard on FW7090. Available on the FW35 – **Option Code-02**
  - **Kompensator Lock Out** – **Option Code 19** – (Add 5 lbs. to weight)
  - **Drilled and Tapped for Autolube** – **Option Code-24**
  - **3.5" Kingpin Lock** – Available on the FW7090 – **Option Code-03**

## Essential service and checking tools - Specially designed for Holland Fifth Wheel products.

### 2" Fifth Wheel Lock Adjustment Tools

#### TF-TLN-5001

Designed for checking fifth wheel locking action and lock adjustment during periodic adjustment or rebuilding of all 2" Kingpin Lock Holland fifth wheels except for FWS1 (XA-S1), FWS2 (XA-S2), and all Simplex fifth wheels.



#### 4000171

Designed for checking fifth wheel locking action and lock adjustment during periodic adjustment or rebuilding of all Holland FWS1 (XA-S1), FWS2 (XA-S2) and Simplex fifth wheels.



### 3.5" Fifth Wheel Lock Adjustment Tool

#### TF-TLN-1500

Designed for checking fifth wheel locking action and lock adjustment of all 3.5" Kingpin lock Holland fifth wheels.



### Slider Spring Compressor

#### TF-TLN-2500

Designed exclusively for removing and installing springs, retainers and pins of the slide release mechanisms of Holland sliding fifth wheels. Luster plated; a must for every handyman's tool box. For best results, operate with a 5/8" socket and ratchet.



### 2" Plug

#### TF-0237

This 2" plug is designed to assist in lock installation and adjustment during rebuilding or lock replacement of FW35, FW33, and FW31 fifth wheels.



### Fifth Wheel Rebuild Stand

#### TF-04229-1

The Holland fifth wheel rebuild stand allows top plate rotation for easy access to both bottom and top surfaces of the top plate for easy rebuilding. Easy nut and bolt assembly for convenience and compact storage.



#### For use with the following top plates:

XA-351, XA-331, XA-311, XA-AL, XA-17, XA-161, XA-S1, XA-S2, XA-201, XA-231, and XA-71

## SPECIFICATION GUIDE

### CONTENTS:

- SEVEN STEPS TO SPECIFYING THE CORRECT FIFTH WHEEL
- ITEMS TO CONSIDER BEFORE SPECIFYING A FIFTH WHEEL



The Holland Fifth Wheel Specification Guide is designed to assist you to quickly complete the fifth wheel specification process. Simply complete Steps 1-7 to determine the correct fifth wheel part number to order. *If after completing Steps 1-7 you are unable to determine the correct part number, please contact your SAF-Holland representative for assistance. In the U.S. call 1-888-396-6501. In Canada, call 519-537-2366.*

**Step 1** ▶ Review “Items to consider Before Selecting your Fifth Wheel” on **Pages 49-53**.

**Step 2** ▶ Determine the type of vehicle your fifth wheel will be mounted on (for example, tractor, converter dolly, or B-train connection) and the type of trailer your fifth wheel will be connected to (for example, van, tanker, etc.).

**Step 3** ▶ Using the Holland Fifth Wheel Application Guide on **Pages 6-8**, determine whether your vehicle will be used in a **Standard, Moderate, or Severe** duty application.

**Step 4** ▶ Using the Holland Fifth Wheel Application Guide on **Pages 6-8**, determine which fifth wheel top plates may be applicable based on the duty type, vehicle and trailer type, and capacity requirements.

**Step 5** ▶ Using the Holland Fifth Wheel Options Guide on **Page 9**, determine the appropriate type of fifth wheel to select based on what options are required (for example, an air release locking system). For specification information please refer to the appropriate page in the Holland Fifth Wheel Top Plate Models section of this Specification Guide, **Pages 11-26**.

**Step 6** ▶ Using the Holland Fifth Wheel Application Guide on **Pages 6-8**, determine the appropriate type of mounting system to select based on the top plate selected (for example, standard, No Tilt, or Kompensator; and either stationary or sliding) and method of tractor frame attachment. For specification information on top plates and their applicable mounting systems, please refer to the appropriate page in the Holland Fifth Wheel Mounting Systems section of this Specification Guide, **Pages 27-45**.

**Step 7** ▶ **A Stationary Mounting Systems**

Having selected the required stationary mounting system, refer to **Page 53** to determine the height required. To determine the correct part number for ordering, please refer to the appropriate page in the Holland Fifth Wheel Mounting Systems section of this Specification Guide, **Pages 27-45**.

**B Sliding Mounting Systems**

Having selected the required sliding mounting system, refer to **Page 53** to determine the height and travel required. To determine the correct part number for ordering, please refer to the appropriate page in the Holland Fifth Wheel Mounting Systems section of this Specification Guide, **Pages 27-45**.

## Fifth Wheel Ratings and Capacities

The selection of the proper fifth wheel capacity is the most critical step in specifying a fifth wheel. The use of a fifth wheel that does not meet the required capacity for the demands of the application may result in maintenance problems or more importantly, an unsafe operating condition. The user should specify a higher capacity rating than his normal needs require, taking into consideration the towed vehicle weight (TVW) to be pulled, maximum drawbar load expected, vertical load to be carried by the fifth wheel, and type of operation (for example, off-highway use will normally require a higher capacity rating than on-highway use). The Holland Fifth Wheel Application Guide on **Pages 6-8**, can help determine the appropriate fifth wheel capacity required.

## Fifth Wheel Options

More than one model of fifth wheel may meet the user's capacity requirements. In this event, fifth wheel options offered may help determine the appropriate top plate model. Available top plate options include: Right Hand Release, Air Release, Manual Secondary Lock, LowLube, NoLube, Drilled and Tapped for Auto Lube, ELI (Electronic Lock Indicator), and Fully Oscillating, as well as No Tilt and Kompensator mounting systems. For a complete listing of fifth wheel options by model, please refer to the Holland Fifth Wheel Options Guide on **Page 9**. For top plate specification information, please refer to the appropriate page in the Holland Fifth Wheel Top Plate Models section of this Specification Guide, **Pages 11-26**.

## Fifth Wheel Weight

Another determining factor in selecting a fifth wheel model is the weight. The weight of the fifth wheel should be a balance between operational cost, strength, and durability. Any additional weight (above the application requirements), will result in additional expenses such as initial cost, reduced cargo carrying capacity, and additional fuel cost.

## Special Application Fifth Wheels

Some applications may require a specialized type of fifth wheel or mounting system.

### **LowLube®** (FW16, Page 15)

On-road fifth wheels designed to provide the lightest weight LowLube fifth wheels available. Replaceable lube free plate inserts and lube free pocket inserts eliminate the need for lubrication except for the fifth wheel locking mechanism.

### **NoLube®** (FW31 and FWAL, Pages 13 and 16)

On-road fifth wheels designed to require no lubrication. Patented surface alloy treated lock system components combine with replaceable lube free plate inserts, and lube free pocket inserts to completely eliminate the need for lubrication.

### **Aluminum** (FWAL, Page 16)

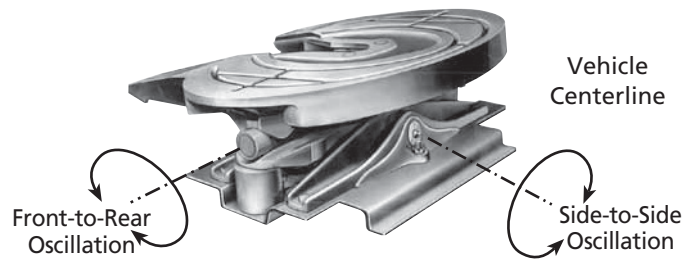
An on-road NoLube fifth wheel made of forged Aluminum to provide the lightest weight fifth wheel in the world. Its patented surface alloy treated lock system components combine with replaceable lube free plate inserts, and lube free pocket inserts to completely eliminate the need for lubrication.



## Special Application Fifth Wheels *continued*

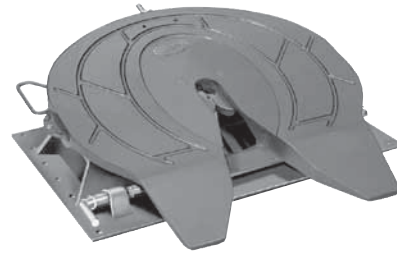
### Fully Oscillating *(FW2080 and FW1560-C, Pages 20 and 23)*

Fifth wheels designed to provide both front-to-rear and side-to-side oscillation between the tractor and trailer for use on rough and uneven terrain (mining, logging, etc.). The oscillation is provided by an undercarriage employing both transverse and longitudinal shafts. The side-to-side oscillation point is located below the fifth wheel bearing surface. *They are intended for applications where the center of gravity of the loaded trailer is at or below the top of the fifth wheel.*



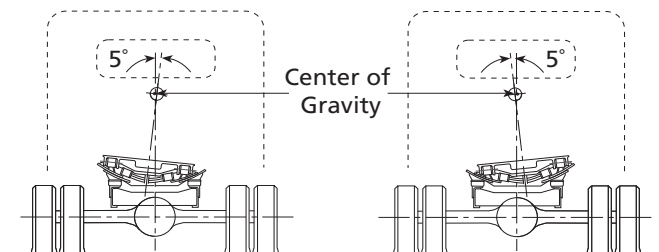
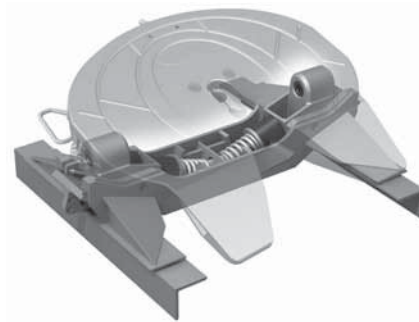
### No-Tilt *(FW35, Page 12)*

Fifth wheels designed to be convertible from a standard articulating fifth wheel to a rigid “no-tilt” fifth wheel when required. In applications requiring this type of fifth wheel, the oscillation (articulation) is provided by other means (for example, an articulating upper coupler).



### Kompensator® *(FW35 and FW0070, Pages 12 and 18)*

Fifth wheel mounting system designed to provide both front-to rear and side-to-side oscillation between the tractor and trailer while relieving the twisting force between the tractor and trailer for use on rigid trailers (tankers, etc.) operating on rough and uneven terrain. The side-to-side oscillation point is located well above the fifth wheel bearing surface. *It is intended for applications where the center of gravity of the loaded trailer does not exceed 44” above the top surface of the fifth wheel.*



## Fifth Wheel Mounting Systems

After determining the appropriate top plate model, the mounting system must be specified. The first step is to determine whether a standard mounting system is sufficient or if the application requires a specialized mounting system such as a No-Tilt or Kompensator. The next decision is whether the application requires a stationary or sliding mount system.

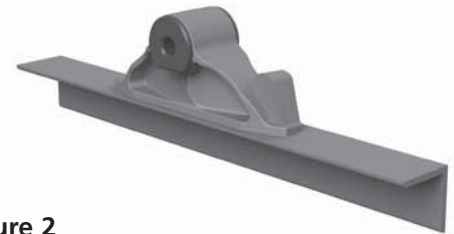
### Stationary Fifth Wheels

Stationary fifth wheels are best suited for applications where the axle loading, kingpin setting, and vehicle combination length all remain constant throughout the fleet. Stationary fifth wheels are generally lighter than sliding fifth wheels but do not offer the application flexibility of sliding fifth wheels. Based on the suspension and tractor frame, one of three tractor frame attachment methods may be specified (**Figures 1-3**);

- 1) "Angle-on-Frame Bracket Mount" (low cost and less torsional rigidity) (**Figure 1**)
- 2) "Foot Mount" (higher cost and high torsional rigidity) (**Figure 2**). *A flat or corrugated mounting plate is required for foot mount brackets.*
- 3) "Outboard Angle Integrated Plate Mount" (universal hole pattern for medium torsional rigidity bolt-on mounting) (**Figure 3**)

The final step in specifying a stationary mount fifth wheel is to determine the height required. Please see **Page 53** for a discussion of factors to be considered when determining fifth wheel assembly height requirements.

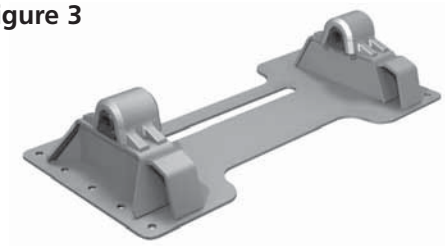
**Figure 1**



**Figure 2**



**Figure 3**



## Fifth Wheel Mounting Systems *continued*

### Sliding Fifth Wheels

Sliding fifth wheels are best suited for applications where the axle loading, kingpin setting, and vehicle combination length do not remain constant throughout the fleet. Sliding fifth wheels provide the capability to 1) transfer weight between tractor axles, 2) accommodate trailers with different kingpin settings, and 3) vary vehicle combination lengths. Sliding fifth wheels also provide:

**Better Resale Value** by providing maximum equipment flexibility

**Improved Maneuverability** by allowing the fifth wheel to slide forward for additional maneuverability in tight locations or slide rearward to accommodate trailers with short landing gear clearance.

**Increased Ride Comfort** by locating the fifth wheel closer to the centerline of the bogie or rear axle. When the axles are not overloaded, the driver has the ability to extend the unit for maximum comfort.

Based on the suspension and tractor frame, one of two tractor frame attachment methods may be specified (**Figures 4-5**);

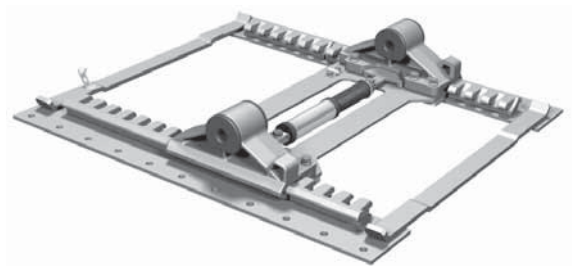
- 1) "Over-the-Frame Inboard Angle Mount" (**Figure 4**)
- 2) "Outboard Angle Mount" (bolt-on mounting) (**Figure 5**)

The final step in specifying a sliding mount fifth wheel is to determine the height and travel length required. Please see the next page for a discussion of factors to be considered when determining fifth wheel assembly height and slide travel requirements.

**Figure 4**



**Figure 5**



## Fifth Wheel Height

Correct fifth wheel height specification is critical because the overall combination tractor/trailer height cannot exceed 13'6". Fifth wheels are designed to operate with the top plate level, so every attempt should be made to match the fifth wheel height with the trailer upper coupler (bolster plate) height. The maximum allowable fifth wheel height is determined by subtracting the trailer height and tractor frame height from the maximum height of 13'6". In addition, operating conditions must be considered to ensure the tractor/trailer will not exceed the available articulation damaging the fifth wheel, tractor frame, or trailer (the lower the fifth wheel height, the less articulation available, especially in off-road applications). Tire clearance should also be considered, keeping in mind spring deflection under full load.

Another important consideration in determining fifth wheel height is developing a standard fleet specification. Having all tractors with the same mounted fifth wheel height (height from the ground to the top of the fifth wheel) aids in proper coupling by reducing the need to adjust trailer landing gear before coupling.

## Fifth Wheel Slide Travel Length

Proper slide length specification is very important. Too short a slide length and optimum equipment utilization may not be achieved (for example inability to shift enough kingpin load to the front axle).

Too long a slide length and overloading of the front axle, or interference between the tractor/trailer during cornering may occur. Over specification of slide length also results in unnecessary additional tractor weight and initial fifth wheel cost.

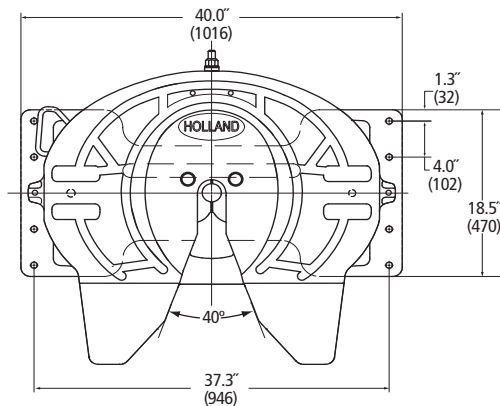
## Fifth Wheel Cost

No discussion of fifth wheels would be complete without referring to costs. Users should always balance the initial cost of the unit to be purchased against the application required, maintenance costs, wear life, and availability of parts and service. The least expensive initial cost fifth wheel may have a higher total cost after factoring in operational and repair costs related to tractor downtime, kingpin replacement, and tractor/trailer frame damage. If a specialty fifth wheel (for example, a Kompensator) or special options have been recommended for your application, special consideration should be given to those recommendations. The benefits may offset the additional initial cost.



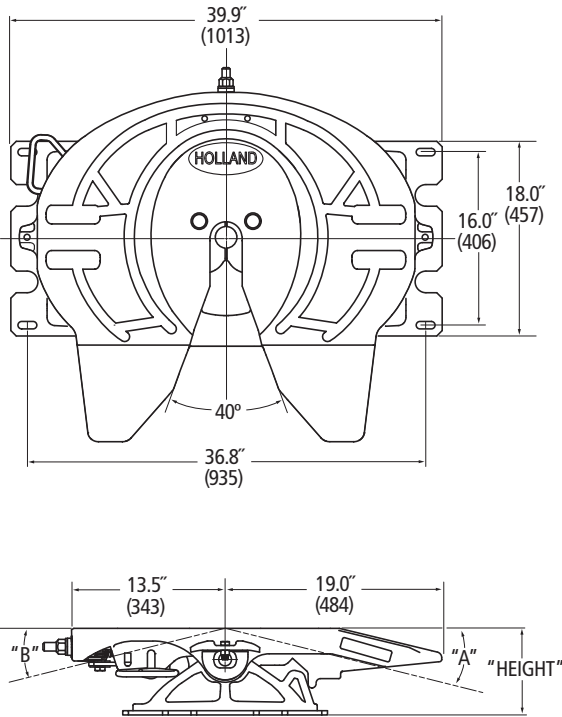
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# FIFTH WHEEL ASSEMBLY DIMENSIONS





## FW35 Stationary Foot Mount

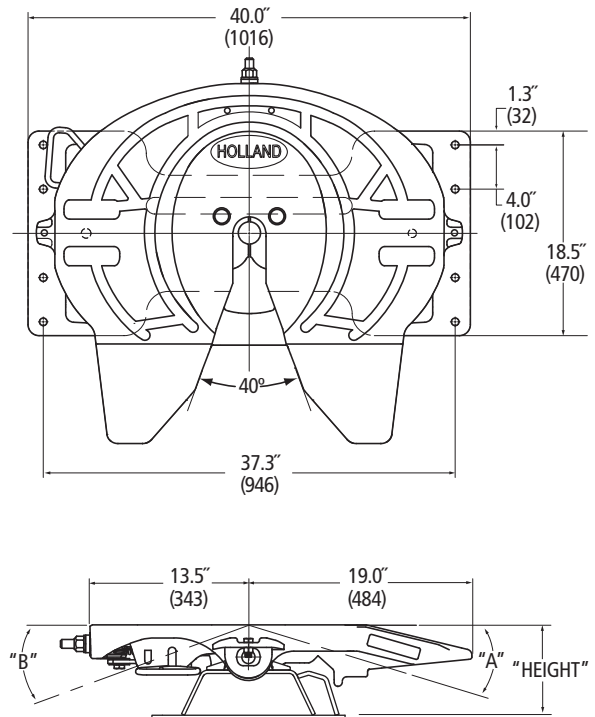
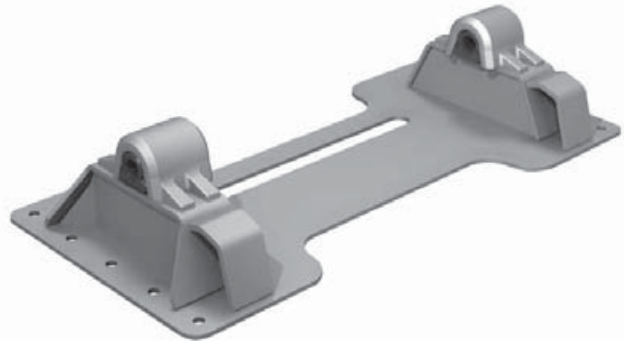


PART NUMBER	HEIGHT	A	B
FW35Y600XL00	5.6"	8°	8°
FW35Y700XL00	6.6"	11°	11°
FW35Y800XL00	7.6"	14°	14°
FW35Y900XL00	8.6"	17°	17°

Corrugated Plate Option adds .9" to height.

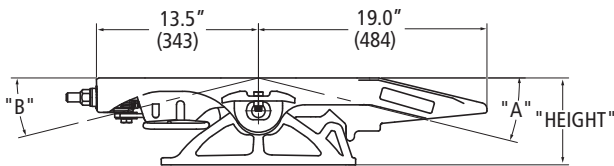
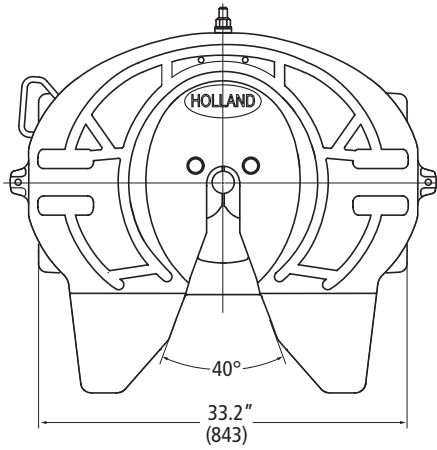
A flat or corrugated mounting plate is required for foot mount brackets.

## FW35 Stationary Integrated Plate Mount



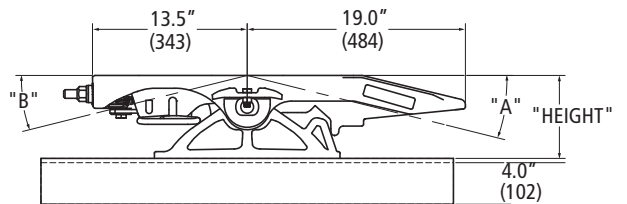
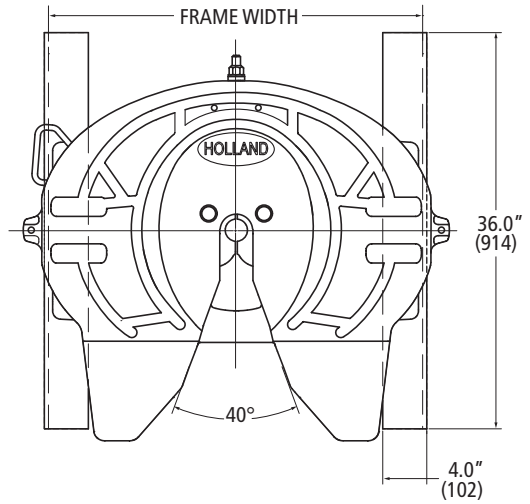
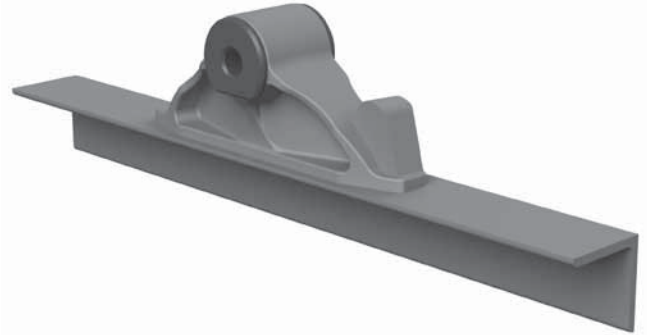
PART NUMBER	HEIGHT	A	B
FW35Z600XL00	5.6"	8°	8°
FW35Z700XL00	6.6"	11°	11°
FW35Z800XL00	7.6"	14°	14°
FW35Z900XL00	8.6"	17°	17°

## FW35 Stationary Brackets for Angle Mounting



PART NUMBER	HEIGHT	A	B
FW35X600XL00	5.2"	8°	8°
FW35X700XL00	6.2"	11°	11°
FW35X800XL00	7.2"	14°	14°
FW35X900XL00	8.2"	17°	17°

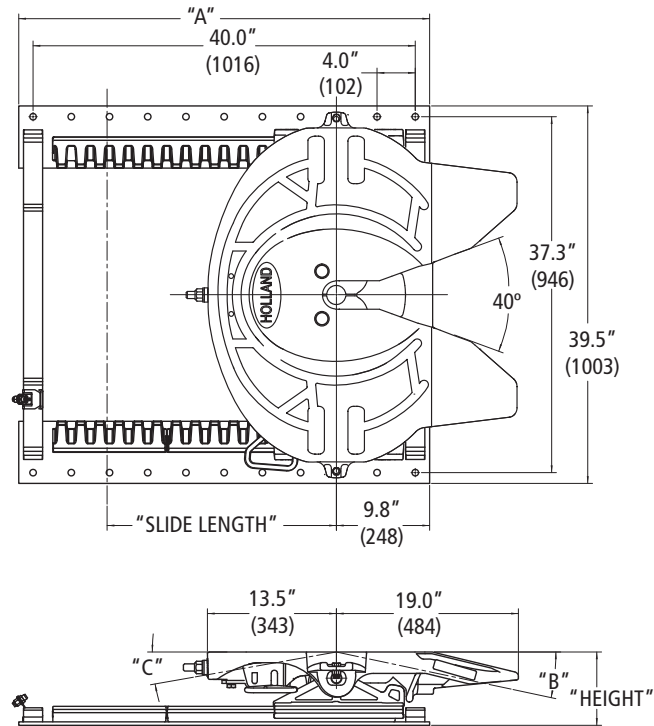
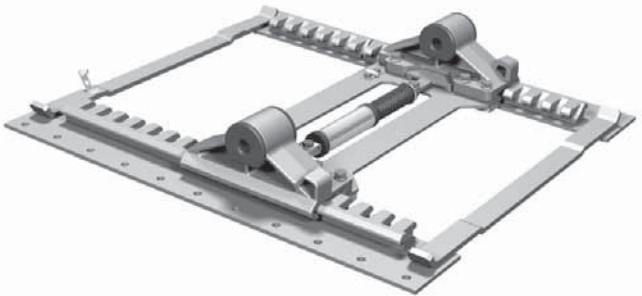
## FW35 Stationary Brackets with Angle Mounting



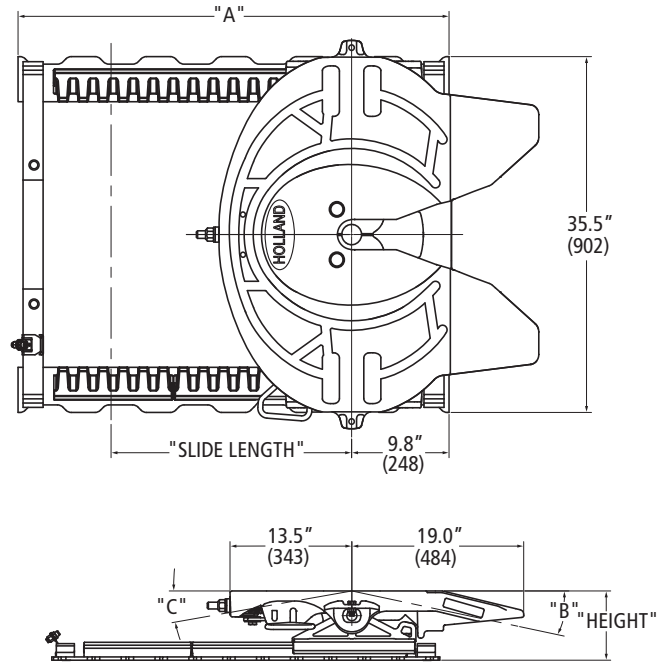
PART NUMBER	HEIGHT	A	B
FW35W600GL00	5.6"	8°	8°
FW35W700GL00	6.6"	11°	11°
FW35W800GL00	7.6"	14°	14°
FW35W900GL00	8.6"	17°	17°

FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		

## FW35 Outboard Sliding Mount



## FW35 Inboard Sliding Mount



PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW35A712XL00	6.7"	12"	31"	8°	8°
FW35A724XL00	6.7"	24"	43"	8°	8°
FW35A736XL00	6.7"	36"	55"	8°	8°
FW35A748XL00	6.7"	48"	67"	8°	8°
FW35A812XL00	7.7"	12"	31"	12°	10°
FW35A824XL00	7.7"	24"	43"	12°	10°
FW35A836XL00	7.7"	36"	55"	12°	10°
FW35A848XL00	7.7"	48"	67"	12°	10°
FW35A912XL00	8.7"	12"	31"	15°	12°
FW35A924XL00	8.7"	24"	43"	15°	12°
FW35A936XL00	8.7"	36"	55"	15°	12°
FW35A948XL00	8.7"	48"	67"	15°	12°

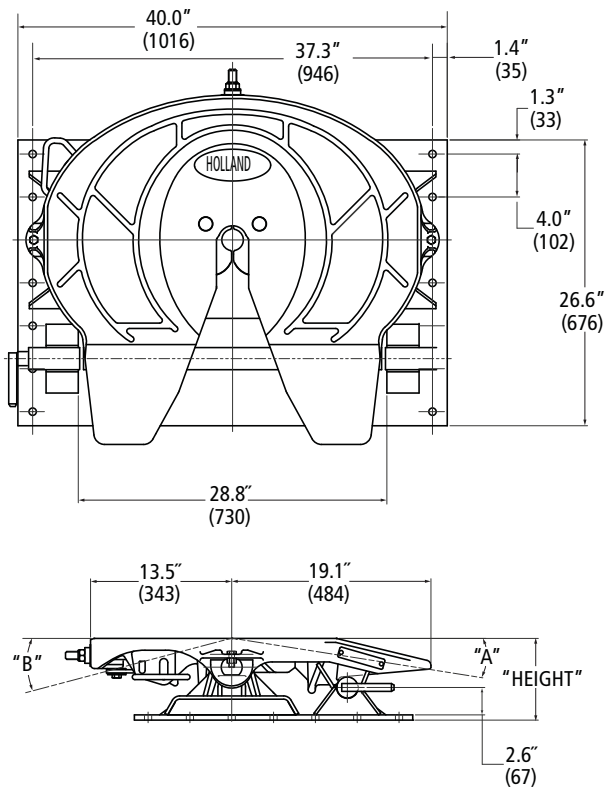
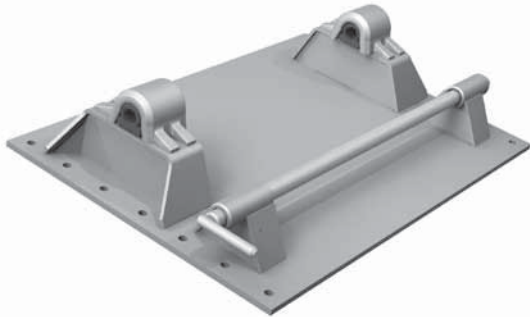
PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW35B712XL00	6.7"	12"	31"	8°	8°
FW35B724XL00	6.7"	24"	43"	8°	8°
FW35B736XL00	6.7"	36"	55"	8°	8°
FW35B748XL00	6.7"	48"	67"	8°	8°
FW35B812XL00	7.7"	12"	31"	12°	10°
FW35B824XL00	7.7"	24"	43"	12°	10°
FW35B836XL00	7.7"	36"	55"	12°	10°
FW35B848XL00	7.7"	48"	67"	12°	10°
FW35B912XL00	8.7"	12"	31"	15°	12°
FW35B924XL00	8.7"	24"	43"	15°	12°
FW35B936XL00	8.7"	36"	55"	15°	12°
FW35B948XL00	8.7"	48"	67"	15°	12°



# Holland Fifth Wheel – Assembly Dimensions

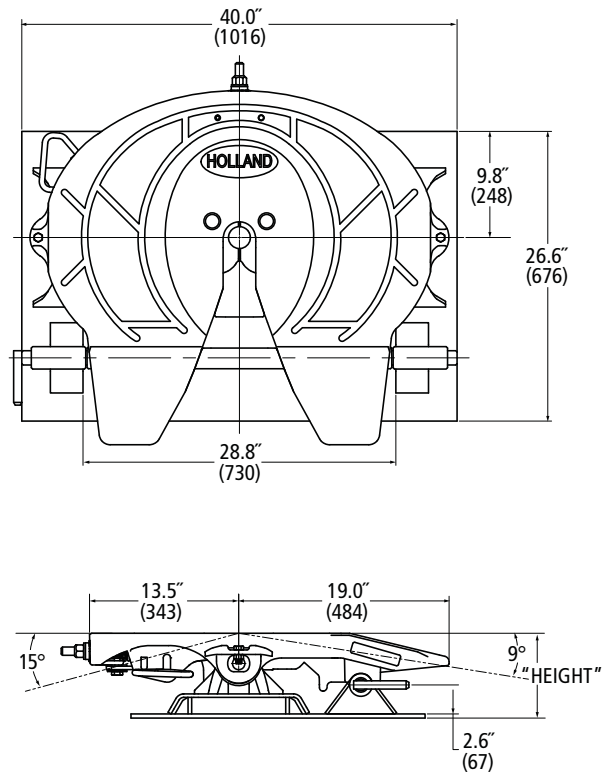
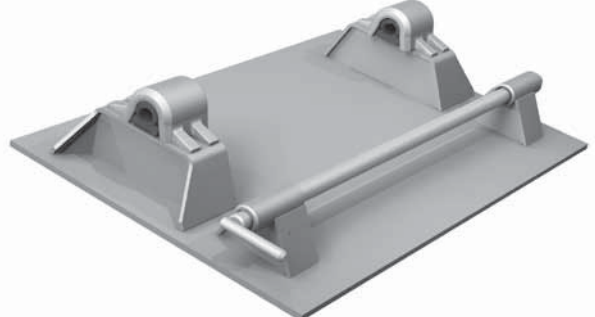
SAF-HOLLAND Group

## FW35 Stationary No Tilt Outboard Mount



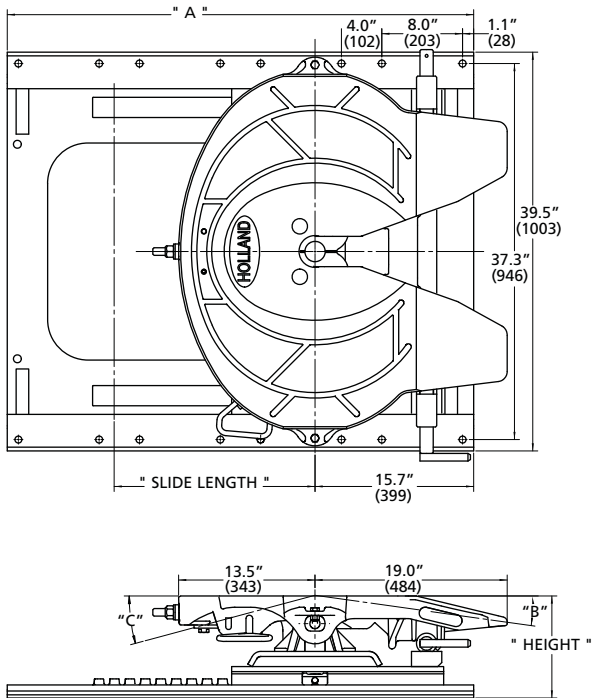
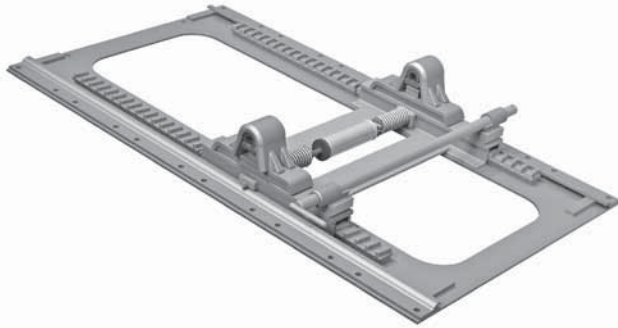
PART NUMBER	HEIGHT	A	B
FW35-8984XL06	7.8"	9°	15°
FW35-8983XL06	8.8"	14°	15°

## FW35 Stationary No Tilt Inboard for Angle Mounting



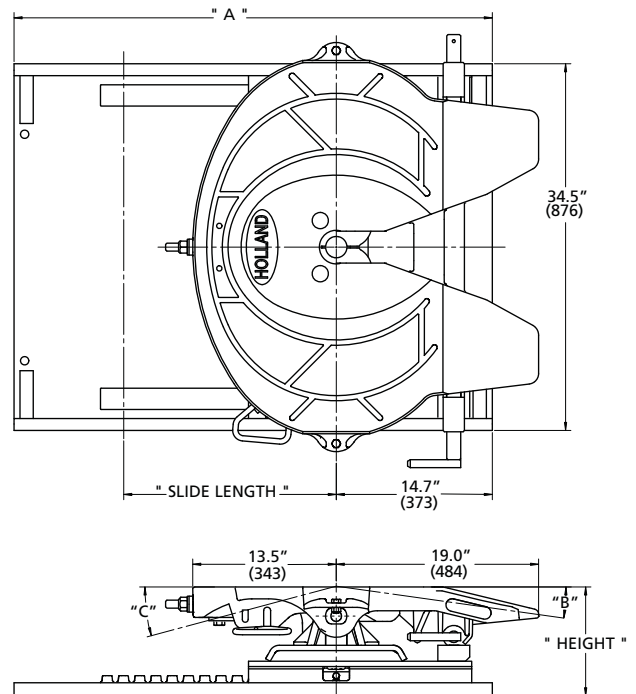
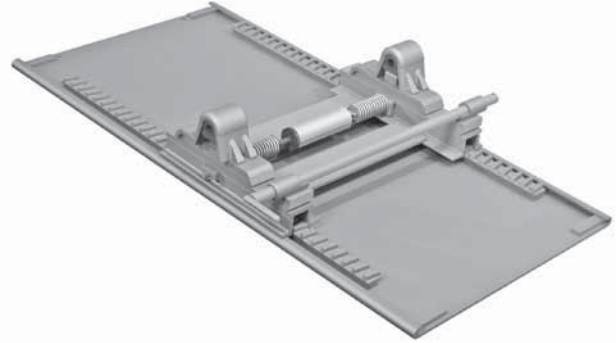
PART NUMBER	HEIGHT
FW35-8922XL06	7.7"

## FW35 Sliding No Tilt Outboard Mount



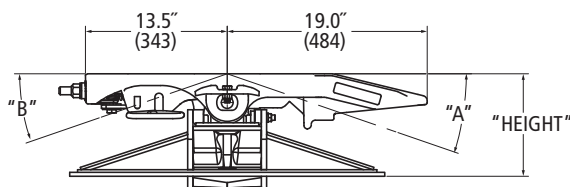
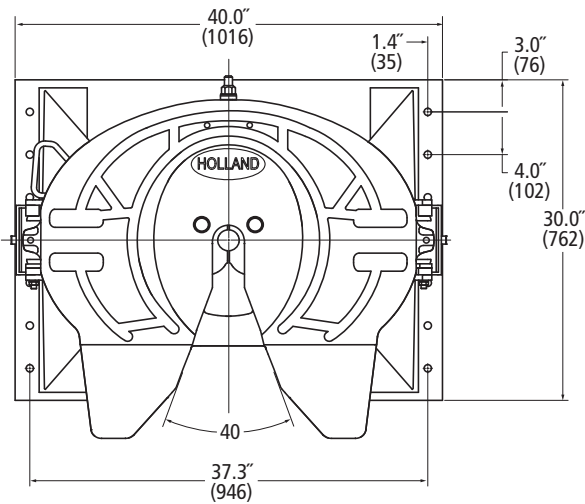
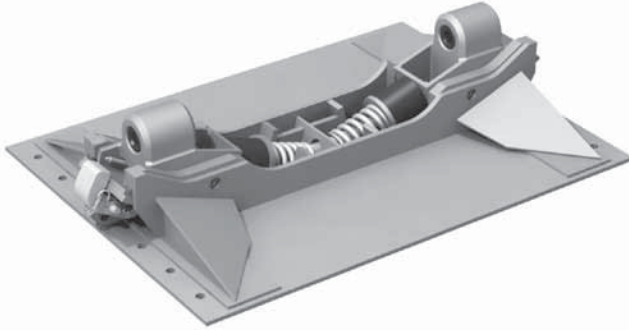
PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW35-8401T2L06	8.6"	13.9"	42.2"	8°	15°
FW35-8401T3L06	8.6"	19.9"	46.2"	8°	15°
FW35-8401T4L06	8.6"	32.1"	58.2"	8°	15°
FW35-8401T5L06	8.6"	44.4"	70.2"	8°	15°
FW35-8409T2L06	10.1"	13.9"	42.2"	8°	15°
FW35-8409T3L06	10.1"	19.9"	46.2"	8°	15°
FW35-8409T4L06	10.1"	32.1"	58.2"	8°	15°
FW35-8409T5L06	10.1"	44.4"	70.2"	8°	15°

## FW35 Sliding No Tilt Inboard for Angle Mounting



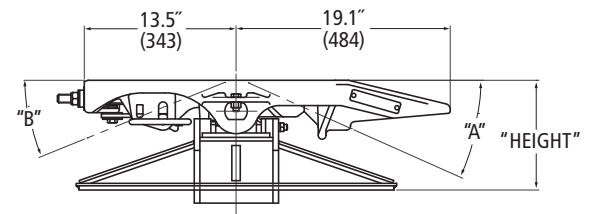
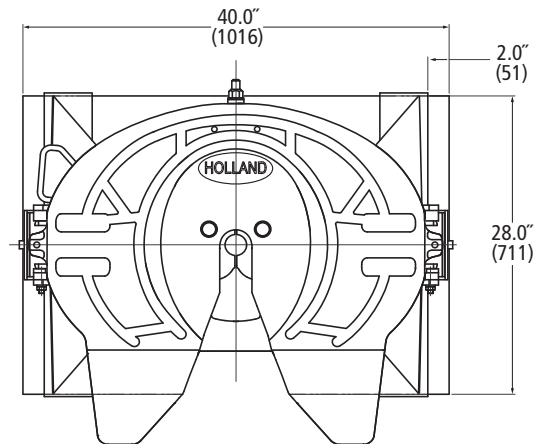
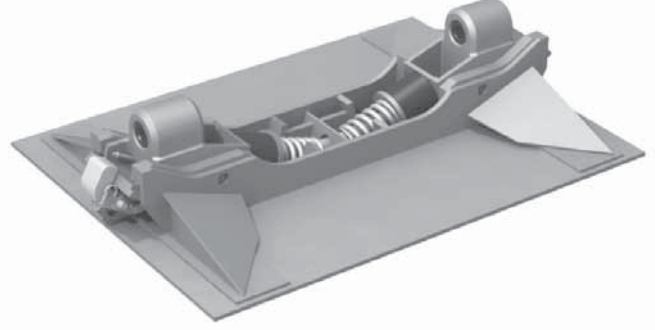
PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW35-7401X2L06	8.6"	13.9"	38.9"	8°	15°
FW35-7401X3L06	8.6"	20.0"	45.0"	8°	15°
FW35-7401X4L06	8.6"	32.2"	57.2"	8°	15°
FW35-7401X5L06	8.6"	44.4"	69.5"	8°	15°
FW35-7401X6L06	8.6"	56.7"	82.0"	8°	15°
FW35-7409X2L06	10.1"	13.9"	38.9"	8°	15°
FW35-7409X3L06	10.1"	20.0"	45.0"	8°	15°
FW35-7409X4L06	10.1"	32.2"	57.2"	8°	15°
FW35-7409X5L06	10.1"	44.4"	69.5"	8°	15°
FW35-7409X6L06	10.1"	56.7"	82.0"	8°	15°

## FW35 Stationary Kompensator Outboard Plate Mount



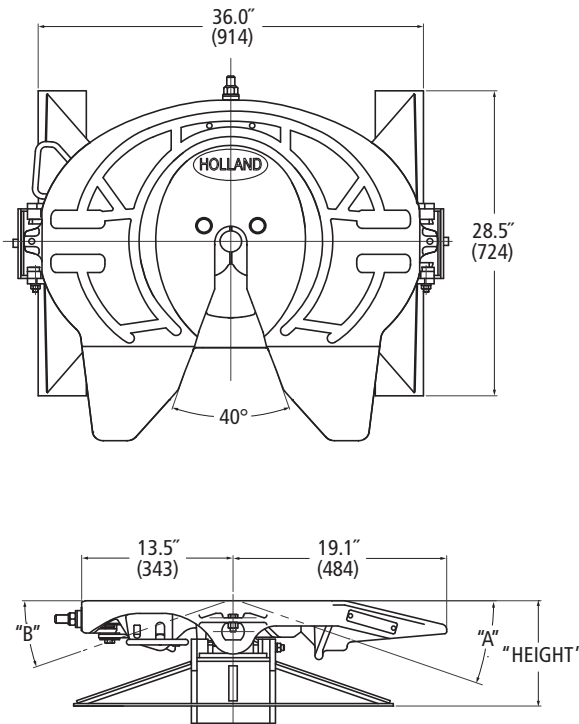
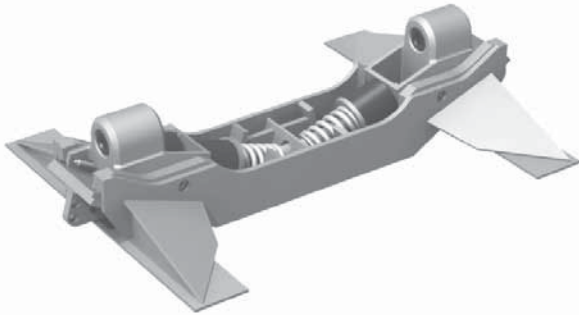
PART NUMBER	HEIGHT	A	B
FW35-7729XL	9.8"	19°	19°
FW35-7727XL	11.8"	19°	19°
FW35-7726XL	12.8"	19°	19°

## FW35 Stationary Kompensator Inboard Plate Mount for Angle Mounting



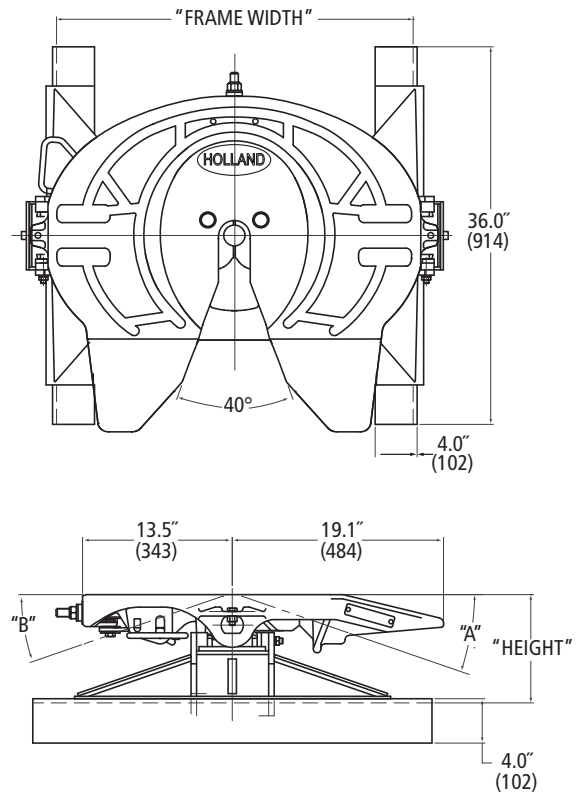
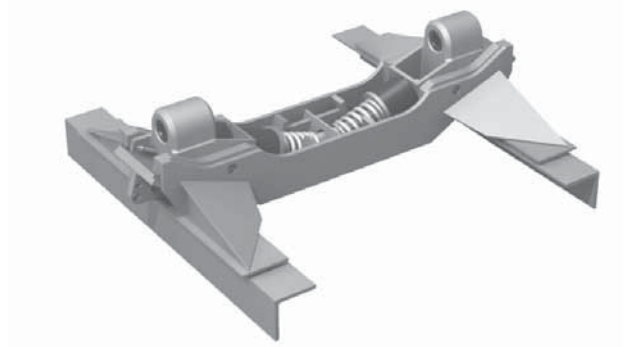
PART NUMBER	HEIGHT	A	B
FW35-7723XL	9.8"	24°	22°
FW35-7722XL	11.8"	19°	19°
FW35-7721XL	12.8"	19°	19°

## FW35 Stationary Kompensator Inboard for Angle Mounting



PART NUMBER	HEIGHT	A	B
FW35-7703XL	9.4"	19°	19°
FW35-7702XL	11.4"	19°	19°
FW35-7701XL	12.4"	19°	19°

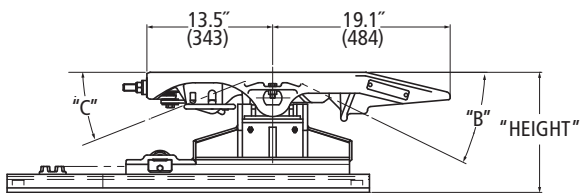
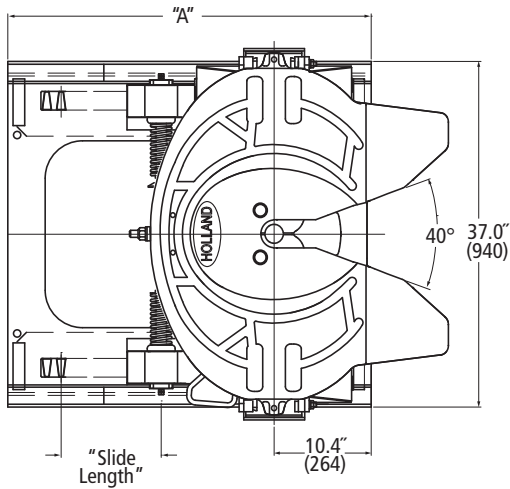
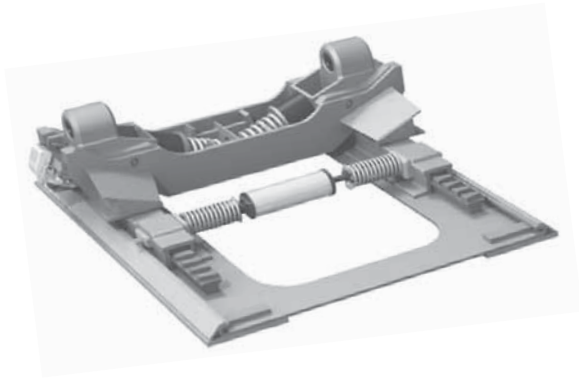
## FW35 Stationary Kompensator Inboard with Angle Mounting



PART NUMBER	HEIGHT	A	B
FW35-7713GL	9.8"	19°	19°
FW35-7712GL	11.8"	19°	19°
FW35-7711GL	12.8"	19°	19°

FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		

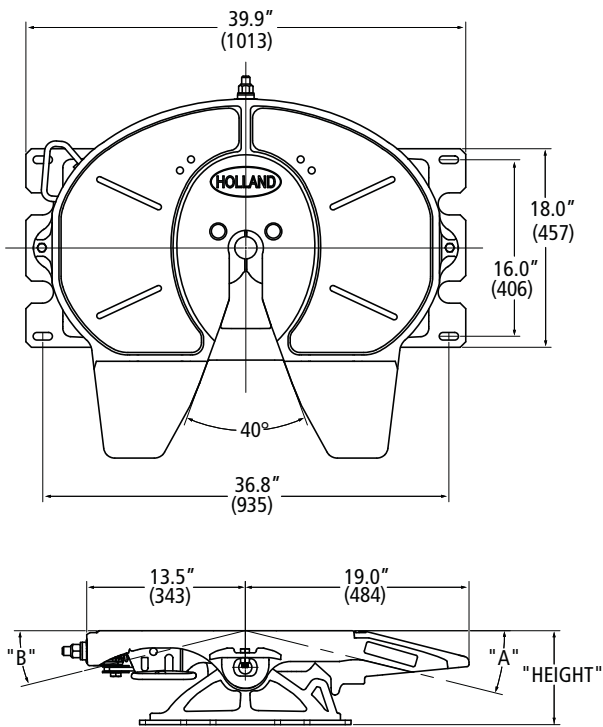
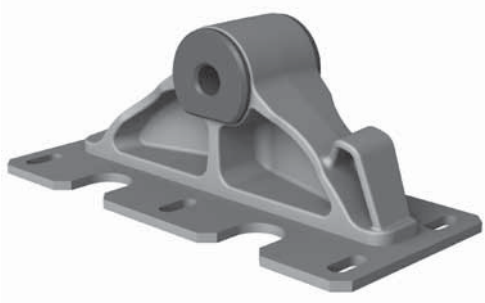
## FW35 Sliding Kompensator Inboard for Angle Mounting



PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW35-7201X1L	12.9"	10.7"	38.9"	26°	22°
FW35-7201X2L	12.9"	16.8"	45.0"	26°	22°
FW35-7201X3L	12.9"	24.5"	52.6"	26°	22°
FW35-7201X4L	12.9"	41.3"	69.5"	26°	22°
FW35-7201X5L	12.9"	53.6"	82.0"	26°	22°
FW35-7201X6L	12.9"	65.8"	94.0"	26°	22°



## FW31 Stationary Foot Mount

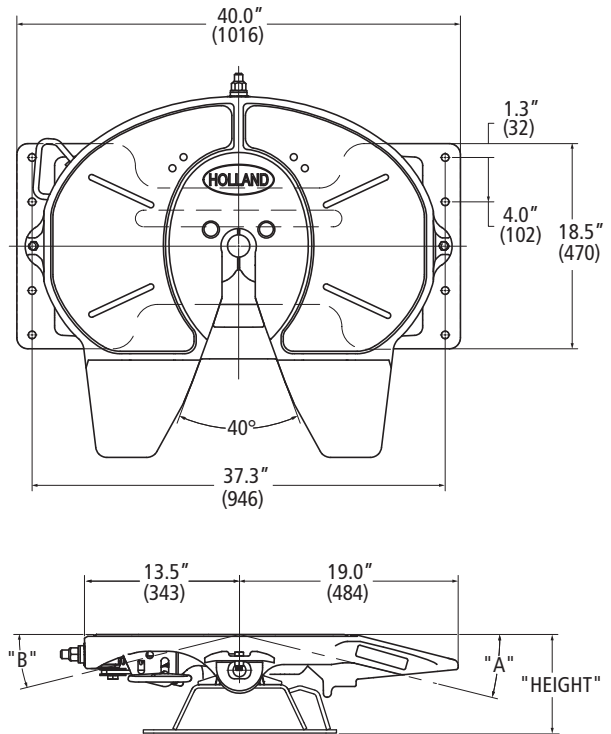
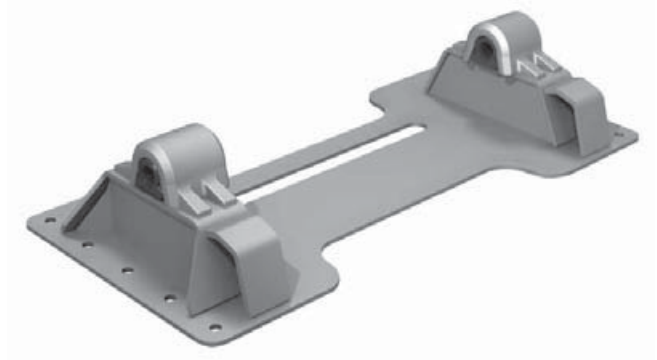


PART NUMBER	HEIGHT	A	B
FW31Y600XL00	6.0"	8°	8°
FW31Y700XL00	7.0"	11°	11°
FW31Y800XL00	8.0"	14°	14°
FW31Y900XL00	9.0"	17°	17°

Corrugated Plate Option adds .9" to height.

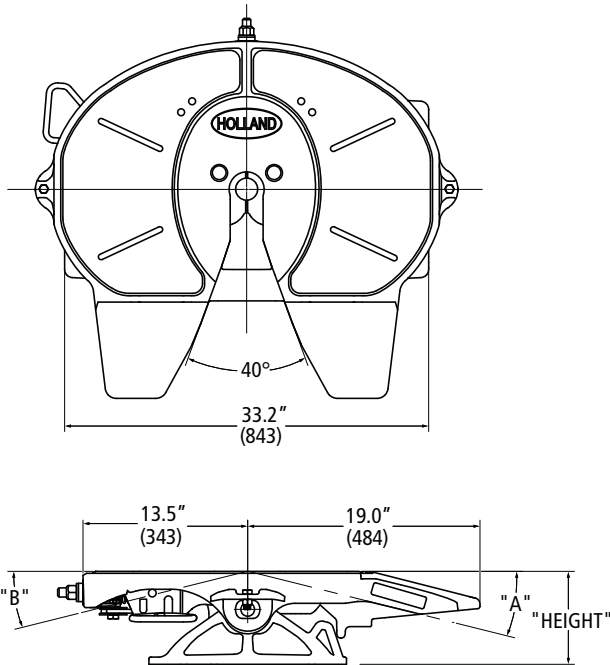
A flat or corrugated mounting plate is required for foot mount brackets.

## FW31 Stationary Integrated Plate Mount



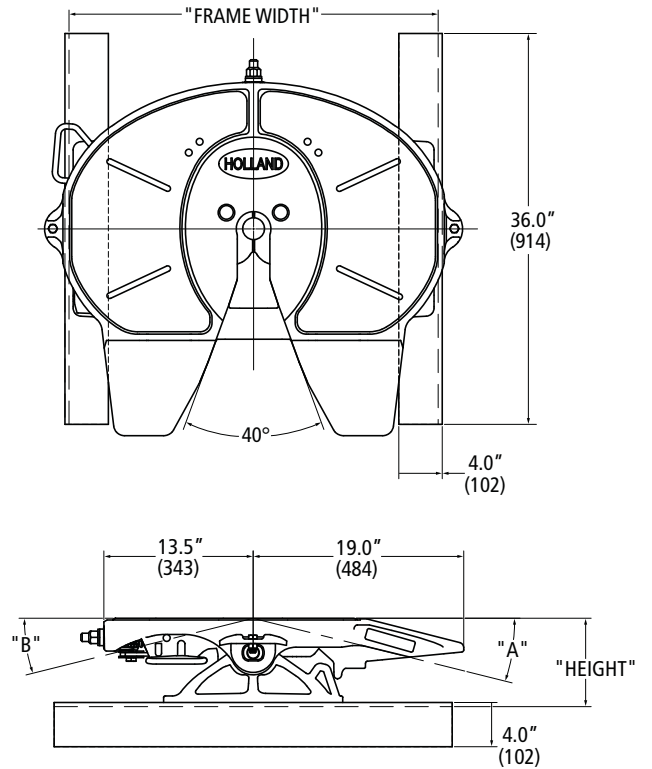
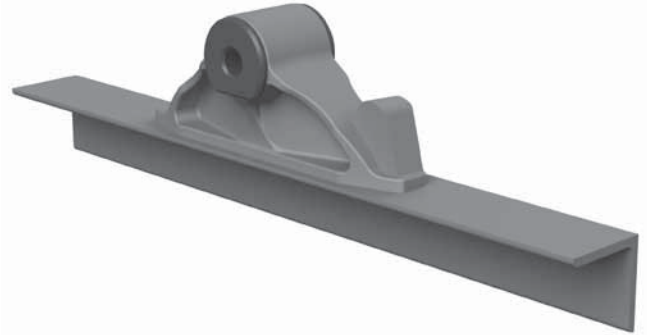
PART NUMBER	HEIGHT	A	B
FW31Z600XL00	6.0"	8°	8°
FW31Z700XL00	7.0"	11°	11°
FW31Z800XL00	8.0"	14°	14°
FW31Z900XL00	9.0"	17°	17°

## FW31 Stationary Brackets for Angle Mounting



PART NUMBER	HEIGHT	A	B
FW31X600XL00	5.6"	8°	8°
FW31X700XL00	6.6"	11°	11°
FW31X800XL00	7.6"	14°	14°
FW31X900XL00	8.6"	17°	17°

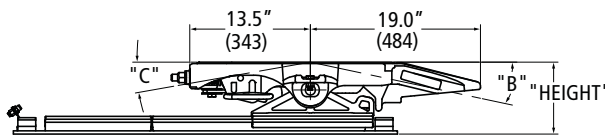
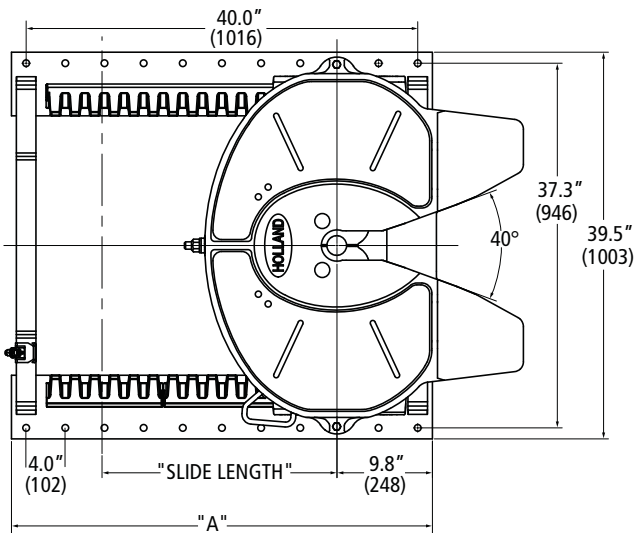
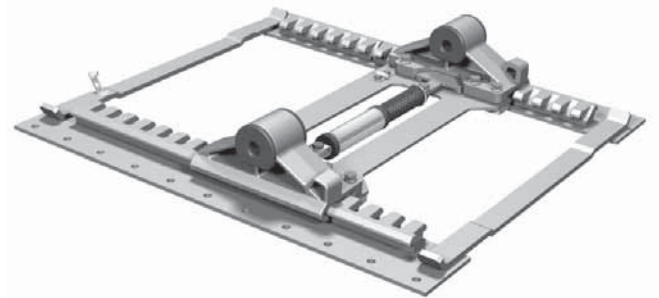
## FW31 Stationary Brackets with Angle Mounting



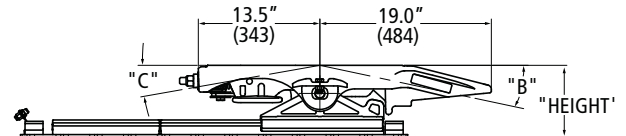
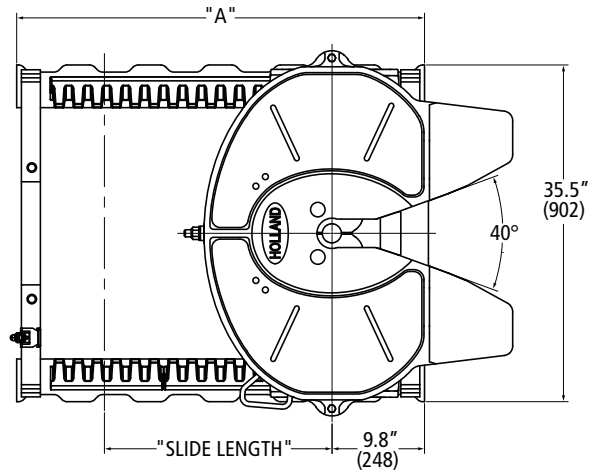
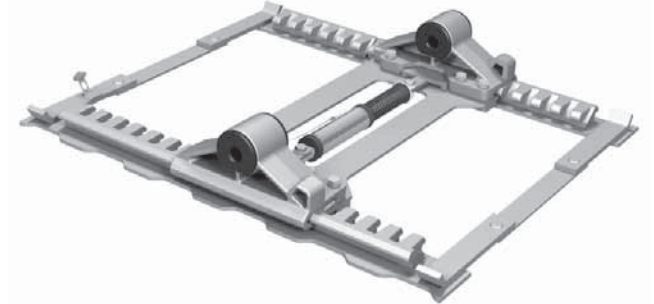
PART NUMBER	HEIGHT	A	B
FW31W600GL00	6.0"	8°	8°
FW31W700GL00	7.0"	11°	11°
FW31W800GL00	8.0"	14°	14°
FW31W900GL00	9.0"	17°	17°

FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		

## FW31 Outboard Sliding Mount



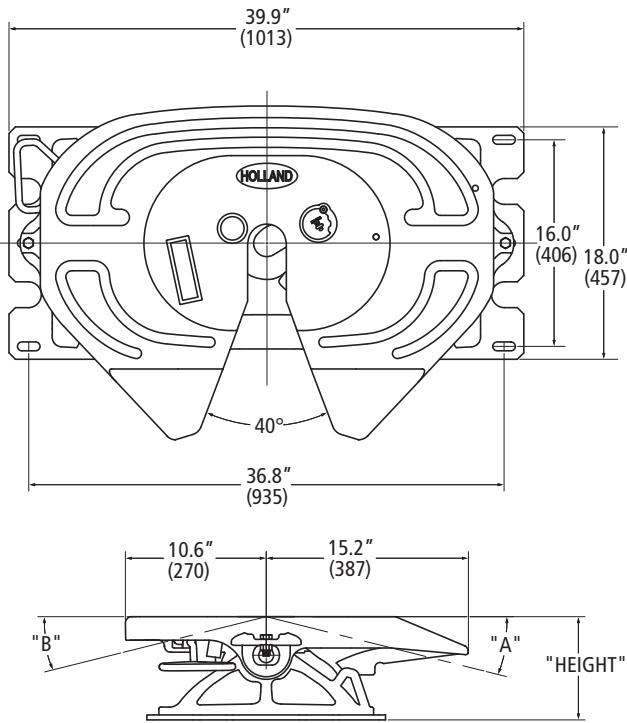
## FW31 Inboard Sliding Mount



PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW31A712XL00	7.1"	12"	31"	8°	8°
FW31A724XL00	7.1"	24"	43"	8°	8°
FW31A736XL00	7.1"	36"	55"	8°	8°
FW31A748XL00	7.1"	48"	67"	8°	8°
FW31A812XL00	8.1"	12"	31"	12°	10°
FW31A824XL00	8.1"	24"	43"	12°	10°
FW31A836XL00	8.1"	36"	55"	12°	10°
FW31A848XL00	8.1"	48"	67"	12°	10°
FW31A912XL00	9.1"	12"	31"	15°	12°
FW31A924XL00	9.1"	24"	43"	15°	12°
FW31A936XL00	9.1"	36"	55"	15°	12°
FW31A948XL00	9.1"	48"	67"	15°	12°

PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW31B712XL00	7.1"	12"	31"	8°	8°
FW31B724XL00	7.1"	24"	43"	8°	8°
FW31B736XL00	7.1"	36"	55"	8°	8°
FW31B748XL00	7.1"	48"	67"	8°	8°
FW31B812XL00	8.1"	12"	31"	12°	10°
FW31B824XL00	8.1"	24"	43"	12°	10°
FW31B836XL00	8.1"	36"	55"	12°	10°
FW31B848XL00	8.1"	48"	67"	12°	10°
FW31B912XL00	9.1"	12"	31"	15°	12°
FW31B924XL00	9.1"	24"	43"	15°	12°
FW31B936XL00	9.1"	36"	55"	15°	12°
FW31B948XL00	9.1"	48"	67"	15°	12°

## FW17 Stationary Foot Mount

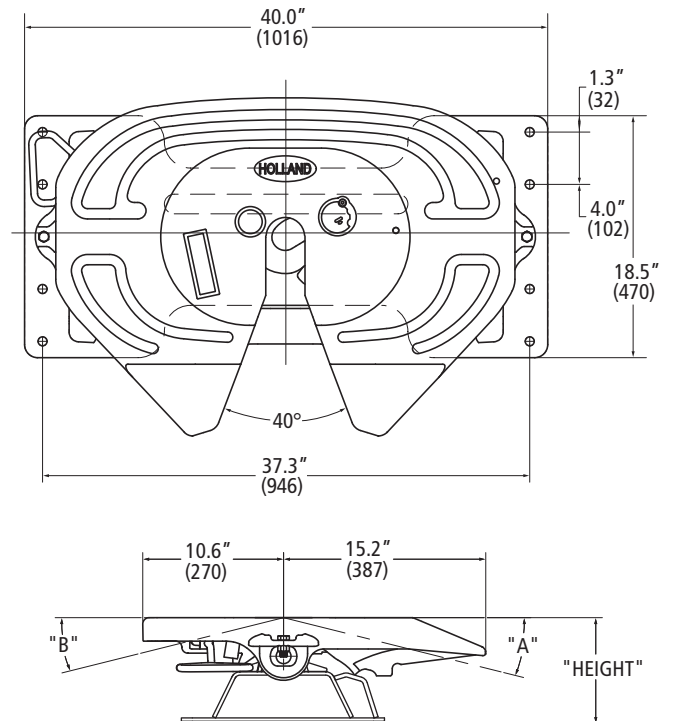
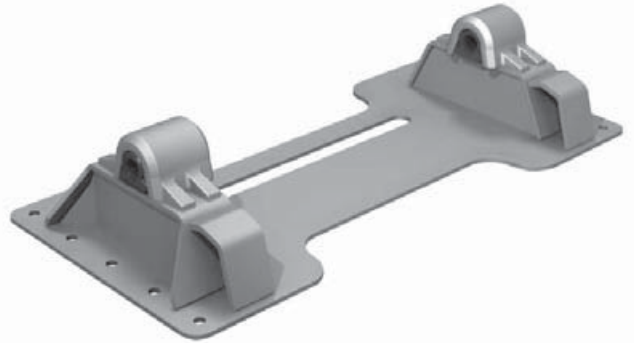


PART NUMBER	HEIGHT	A	B
FW17Y600XL00	5.8"	8°	8°
FW17Y700XL00	6.8"	11°	11°
FW17Y800XL00	7.8"	14°	14°
FW17Y900XL00	8.8"	17°	17°

Corrugated Plate Option adds .9" to height.

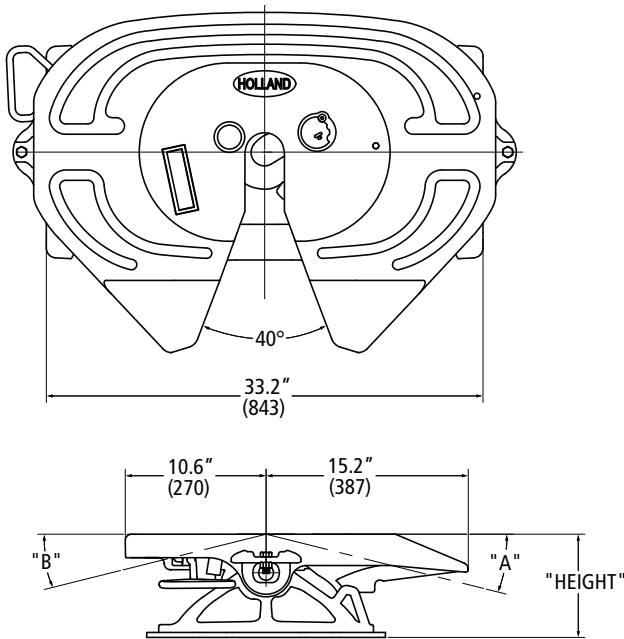
A flat or corrugated mounting plate is required for foot mount brackets.

## FW17 Stationary Integrated Plate Mount



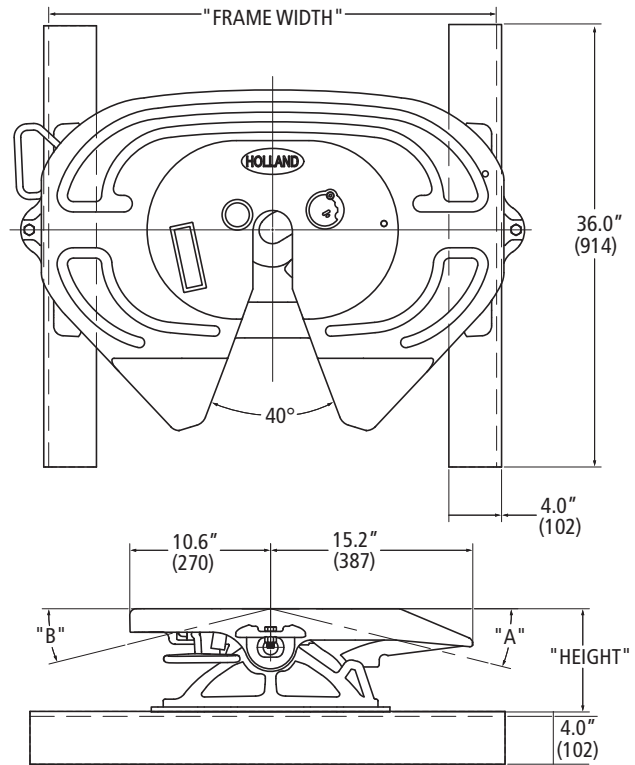
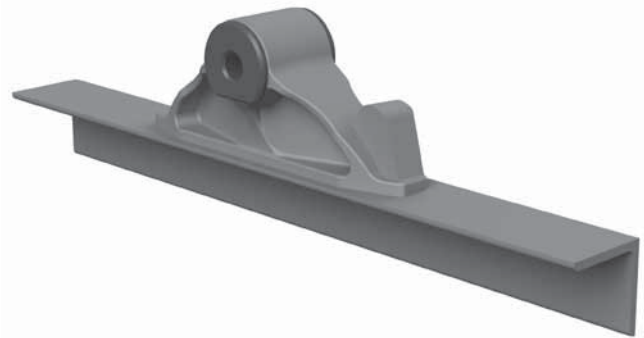
PART NUMBER	HEIGHT	A	B
FW17Z600XL00	5.8"	8°	8°
FW17Z700XL00	6.8"	11°	11°
FW17Z800XL00	7.8"	14°	14°
FW17Z900XL00	8.8"	17°	17°

## FW17 Stationary Brackets for Angle Mounting



PART NUMBER	HEIGHT	A	B
FW17X600XL00	5.4"	8°	8°
FW17X700XL00	6.4"	11°	11°
FW17X800XL00	7.4"	14°	14°
FW17X900XL00	8.4"	17°	17°

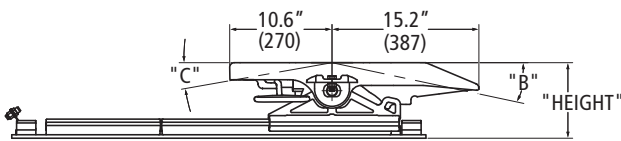
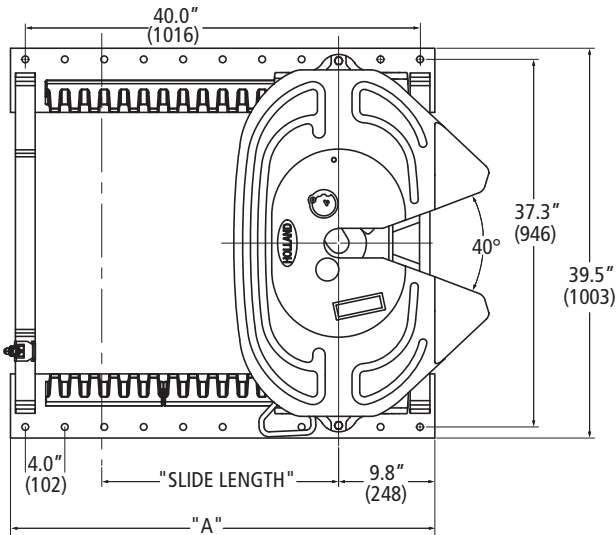
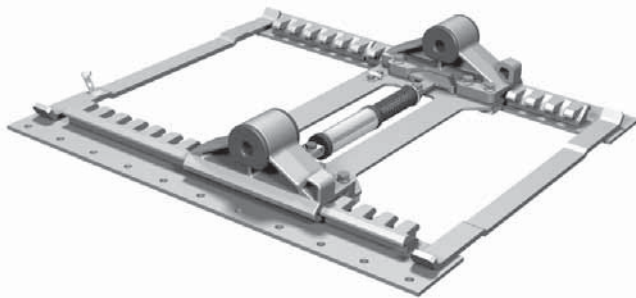
## FW17 Stationary Brackets with Angle Mounting



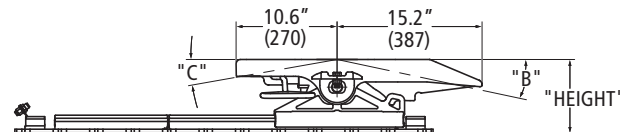
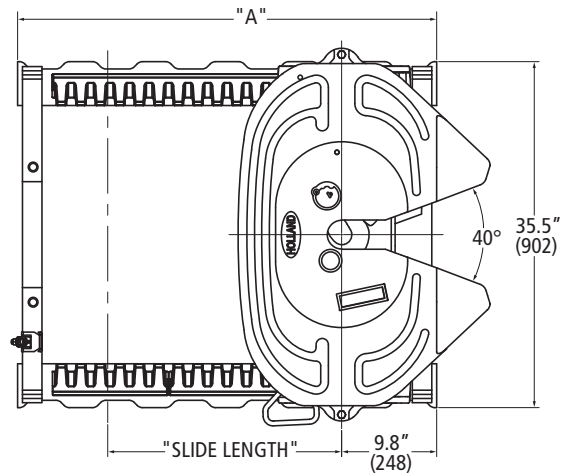
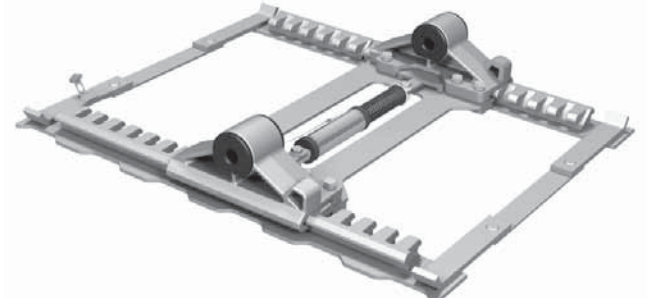
PART NUMBER	HEIGHT	A	B
FW17W600GL00	5.8"	8°	8°
FW17W700GL00	6.8"	11°	11°
FW17W800GL00	7.8"	14°	14°
FW17W900GL00	8.8"	17°	17°

FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		

## FW17 Outboard Sliding Mount



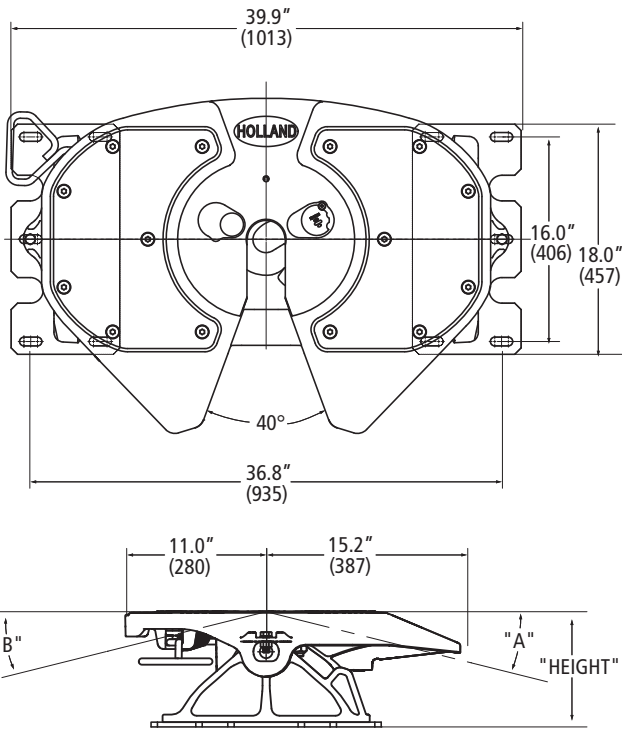
## FW17 Inboard Sliding Mount



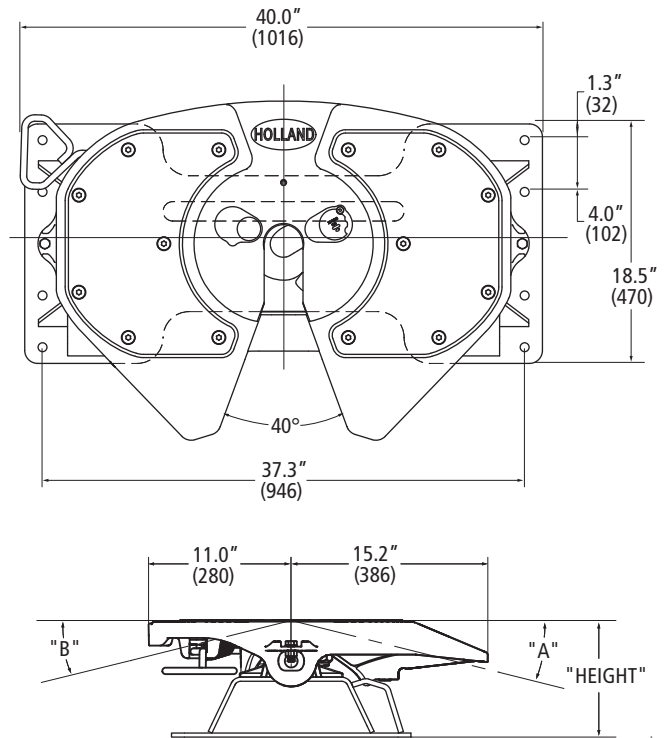
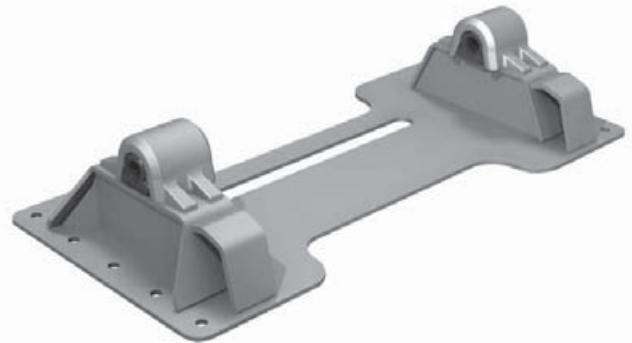
PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW17A712XL00	6.8"	12"	31"	8°	8°
FW17A724XL00	6.8"	24"	43"	8°	8°
FW17A736XL00	6.8"	36"	55"	8°	8°
FW17A748XL00	6.8"	48"	67"	8°	8°
FW17A812XL00	7.8"	12"	31"	12°	10°
FW17A824XL00	7.8"	24"	43"	12°	10°
FW17A836XL00	7.8"	36"	55"	12°	10°
FW17A848XL00	7.8"	48"	67"	12°	10°
FW17A912XL00	8.8"	12"	31"	15°	12°
FW17A924XL00	8.8"	24"	43"	15°	12°
FW17A936XL00	8.8"	36"	55"	15°	12°
FW17A948XL00	8.8"	48"	67"	15°	12°

PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW17B712XL00	6.8"	12"	31"	8°	8°
FW17B724XL00	6.8"	24"	43"	8°	8°
FW17B736XL00	6.8"	36"	55"	8°	8°
FW17B748XL00	6.8"	48"	67"	8°	8°
FW17B812XL00	7.8"	12"	31"	12°	10°
FW17B824XL00	7.8"	24"	43"	12°	10°
FW17B836XL00	7.8"	36"	55"	12°	10°
FW17B848XL00	7.8"	48"	67"	12°	10°
FW17B912XL00	8.8"	12"	31"	15°	12°
FW17B924XL00	8.8"	24"	43"	15°	12°
FW17B936XL00	8.8"	36"	55"	15°	12°
FW17B948XL00	8.8"	48"	67"	15°	12°

## FW16 Stationary Foot Mount



## FW16 Stationary Integrated Plate Mount



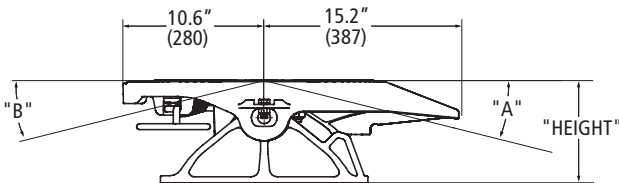
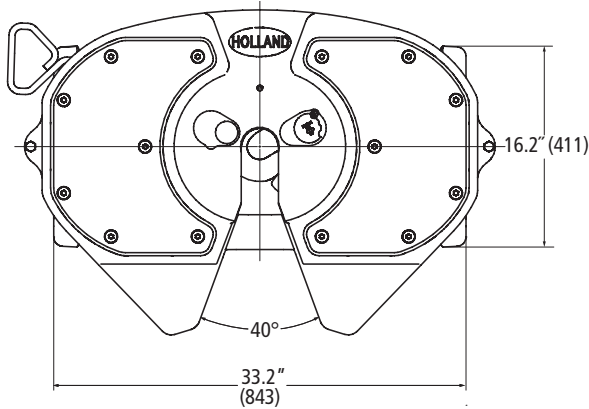
PART NUMBER	HEIGHT	A	B
FW16Y600XL00	6.0"	8°	8°
FW16Y700XL00	7.0"	11°	11°
FW16Y800XL00	8.0"	14°	14°
FW16Y900XL00	9.0"	17°	17°

Corrugated Plate Option adds .9" to height.

A flat or corrugated mounting plate is required for foot mount brackets.

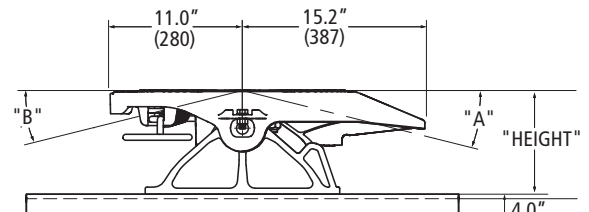
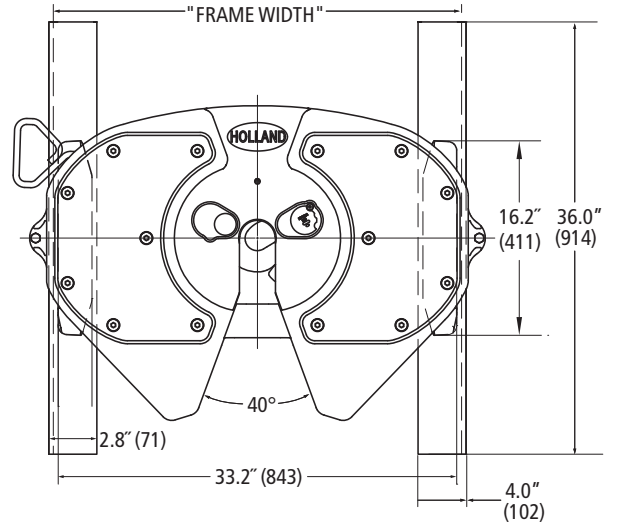
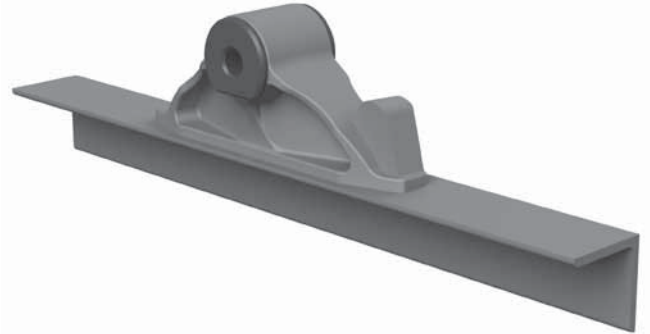
PART NUMBER	HEIGHT	A	B
FW16Z600XL00	6.0"	8°	8°
FW16Z700XL00	7.0"	11°	11°
FW16Z800XL00	8.0"	14°	14°
FW16Z900XL00	9.0"	17°	17°

## FW16 Stationary Brackets for Angle Mounting



PART NUMBER	HEIGHT	A	B
FW16X600XL00	5.6"	8°	8°
FW16X700XL00	6.6"	11°	11°
FW16X800XL00	7.6"	14°	14°
FW16X900XL00	8.6"	17°	17°

## FW16 Stationary Brackets with Angle Mounting

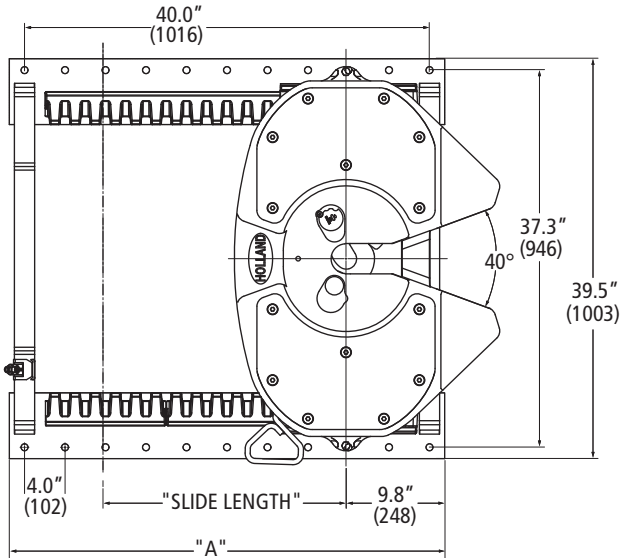
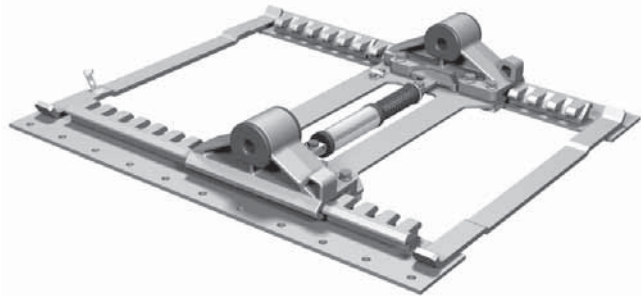


PART NUMBER	HEIGHT	A	B
FW16W600GL00	6.0"	8°	8°
FW16W700GL00	7.0"	11°	11°
FW16W800GL00	8.0"	14°	14°
FW16W900GL00	9.0"	17°	17°

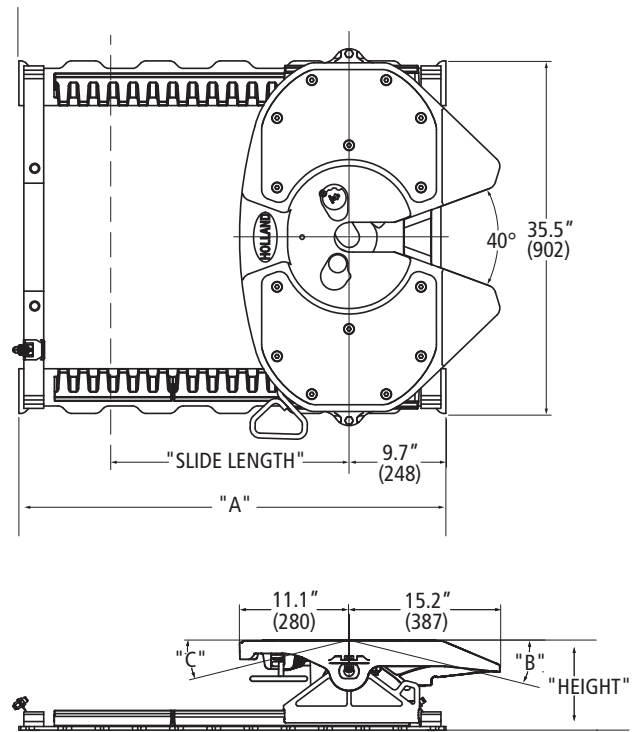
FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		



## FW16 Outboard Sliding Mount



## FW16 Inboard Sliding Mount

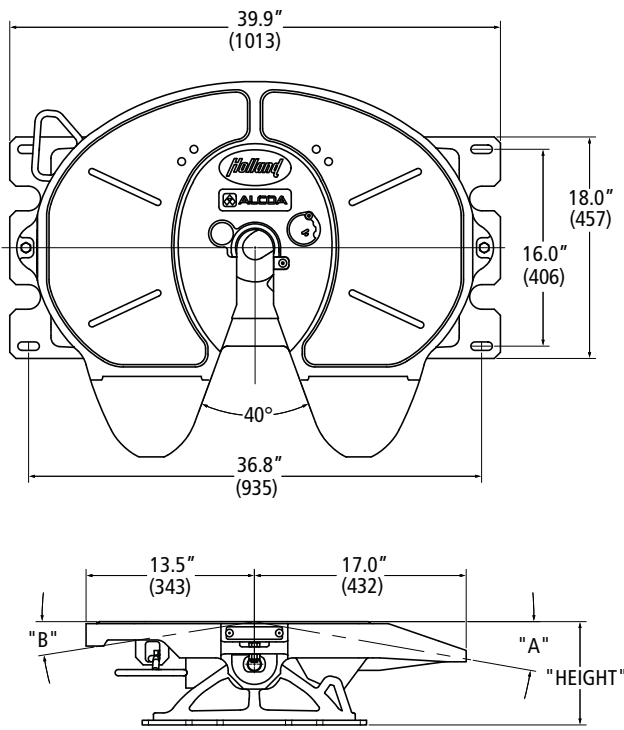
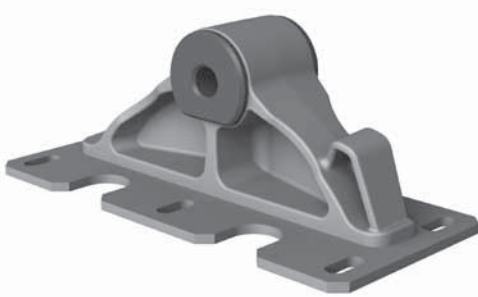


PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW16A712XL00	7.1"	12"	31"	8°	8°
FW16A724XL00	7.1"	24"	43"	8°	8°
FW16A736XL00	7.1"	36"	55"	8°	8°
FW16A748XL00	7.1"	48"	67"	8°	8°
FW16A812XL00	8.1"	12"	31"	12°	10°
FW16A824XL00	8.1"	24"	43"	12°	10°
FW16A836XL00	8.1"	36"	55"	12°	10°
FW16A848XL00	8.1"	48"	67"	12°	10°
FW16A912XL00	9.1"	12"	31"	15°	12°
FW16A924XL00	9.1"	24"	43"	15°	12°
FW16A936XL00	9.1"	36"	55"	15°	12°
FW16A948XL00	9.1"	48"	67"	15°	12°

PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW16B712XL00	7.1"	12"	31"	8°	8°
FW16B724XL00	7.1"	24"	43"	8°	8°
FW16B736XL00	7.1"	36"	55"	8°	8°
FW16B748XL00	7.1"	48"	67"	8°	8°
FW16B812XL00	8.1"	12"	31"	12°	10°
FW16B824XL00	8.1"	24"	43"	12°	10°
FW16B836XL00	8.1"	36"	55"	12°	10°
FW16B848XL00	8.1"	48"	67"	12°	10°
FW16B912XL00	9.1"	12"	31"	15°	12°
FW16B924XL00	9.1"	24"	43"	15°	12°
FW16B936XL00	9.1"	36"	55"	15°	12°
FW16B948XL00	9.1"	48"	67"	15°	12°

SAF-HOLLAND Group

## FWAL Stationary Foot Mount

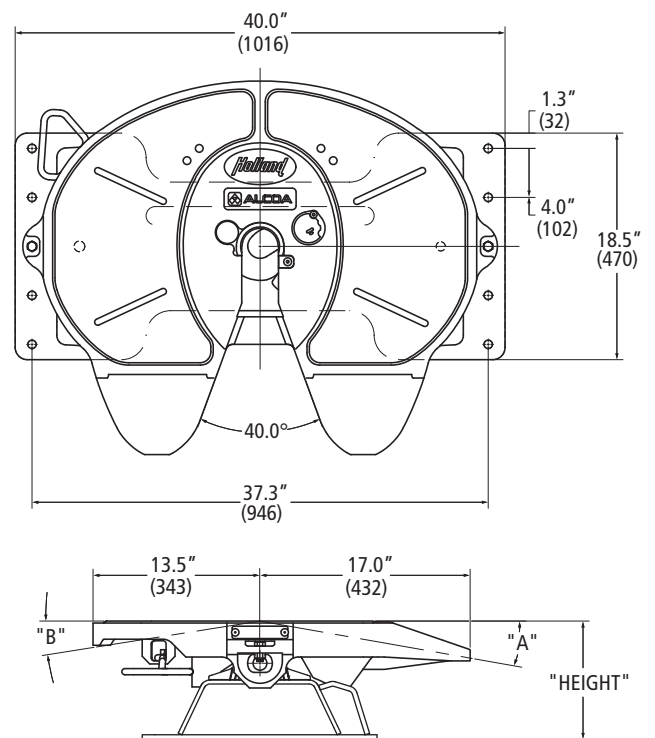
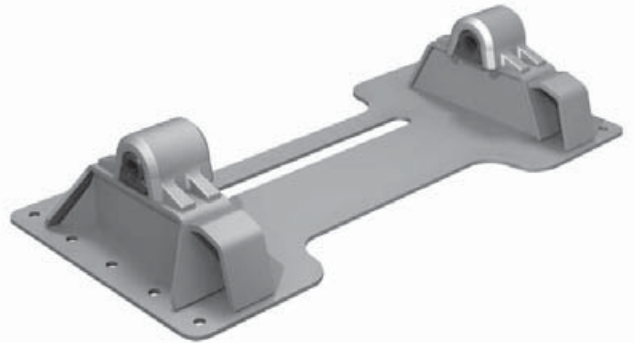


PART NUMBER	HEIGHT	A	B
FWALY600XL00	6.3"	7°	7°
FWALY700XL00	7.3"	8°	8°
FWALY800XL00	8.3"	10°	9°
FWALY900XL00	9.3"	14°	13°

Corrugated Plate Option adds .9" to height.

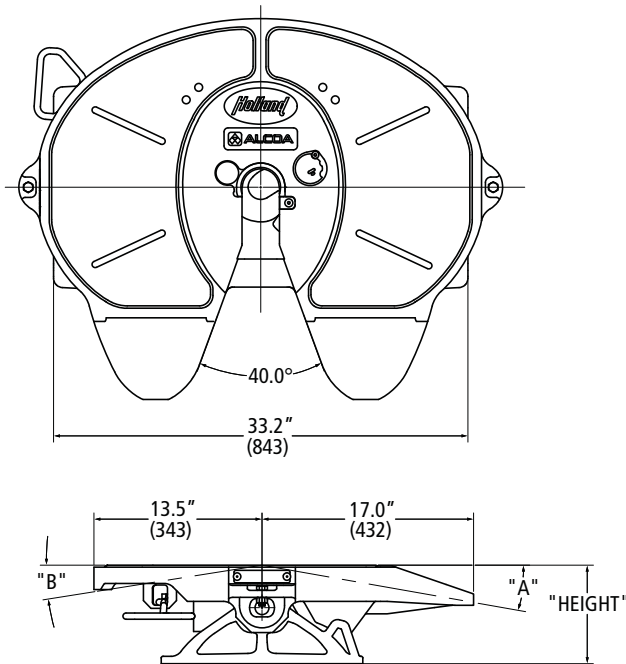
A flat or corrugated mounting plate is required for foot mount brackets.

## FWAL Stationary Integrated Plate Mount



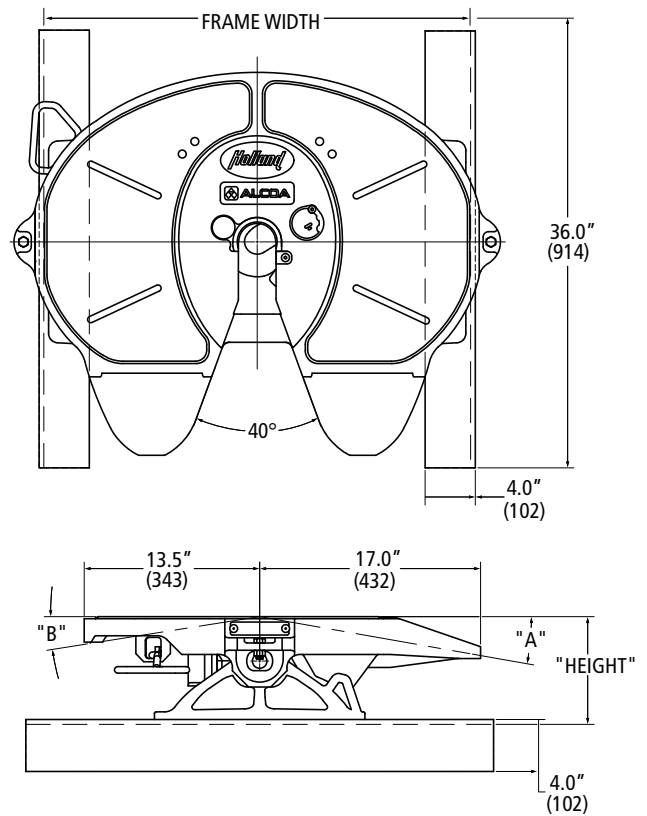
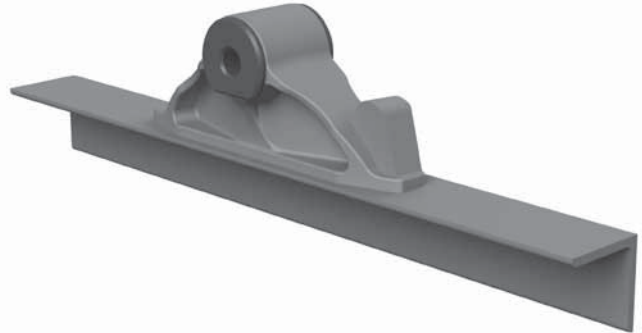
PART NUMBER	HEIGHT	A	B
FWALZ600XL00	6.3"	7°	7°
FWALZ700XL00	7.3"	8°	8°
FWALZ800XL00	8.3"	10°	9°
FWALZ900XL00	9.3"	14°	13°

## FWAL Stationary Brackets for Angle Mounting



PART NUMBER	HEIGHT	A	B
FWALX600XL00	5.9"	7°	7°
FWALX700XL00	6.9"	8°	8°
FWALX800XL00	7.9"	10°	9°
FWALX900XL00	8.9"	14°	13°

## FWAL Stationary Brackets with Angle Mounting



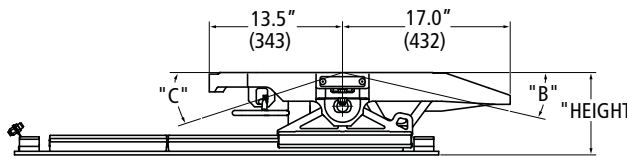
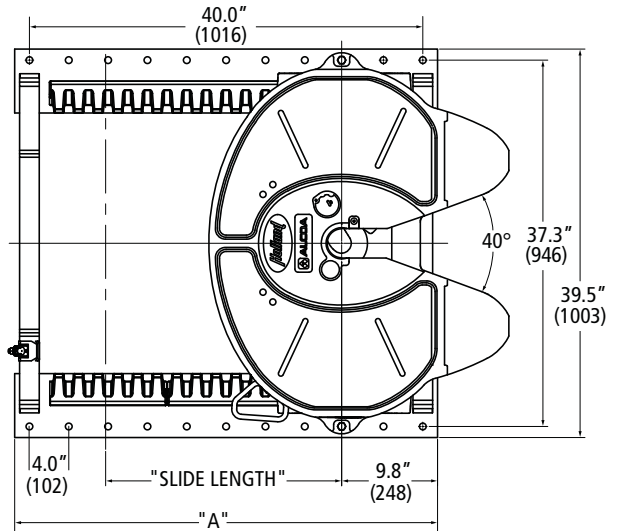
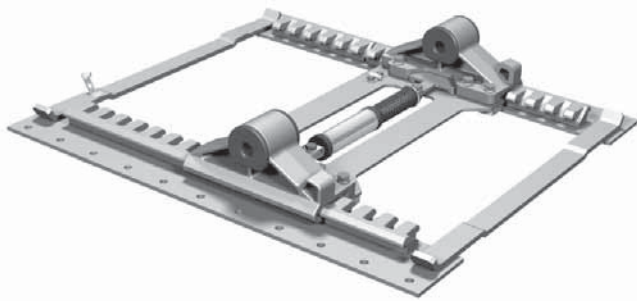
PART NUMBER	HEIGHT	A	B
FWALW600GL00	6.3"	7°	7°
FWALW700GL00	7.3"	8°	8°
FWALW800GL00	8.3"	10°	9°
FWALW900GL00	9.3"	14°	13°

FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		



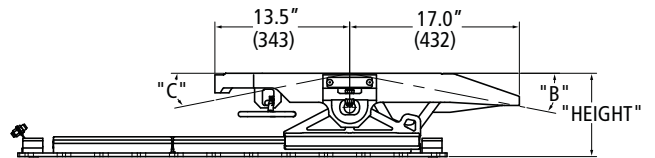
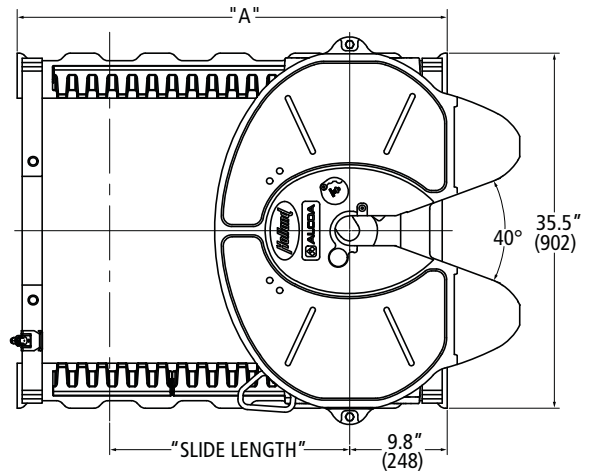
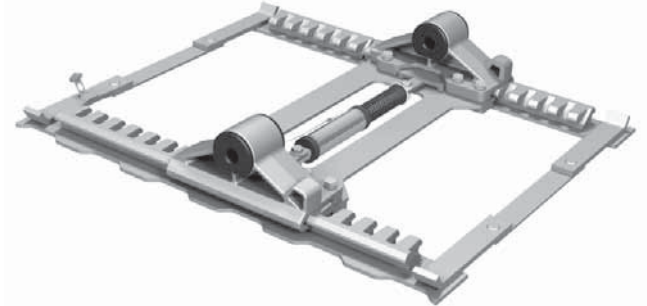
SAF-HOLLAND Group

## FWAL Outboard Sliding Mount



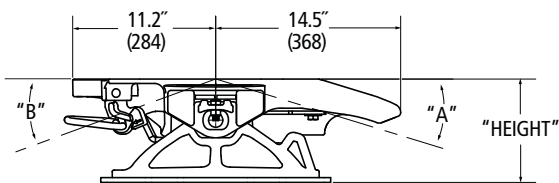
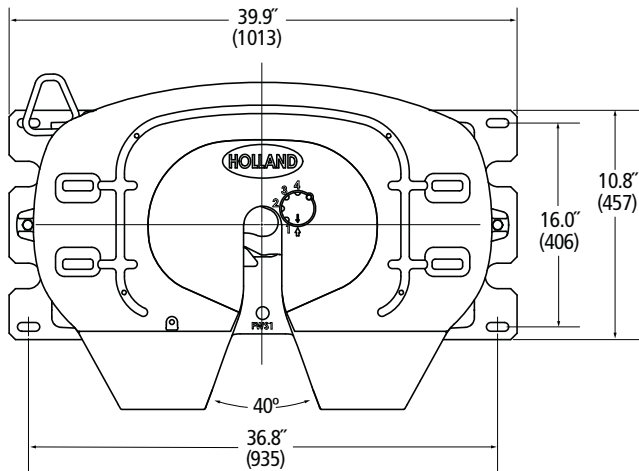
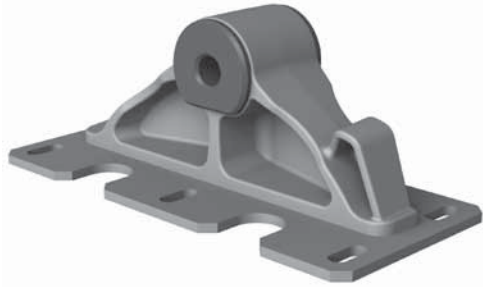
PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FWALA712XL00	7.3"	12"	31"	8°	9°
FWALA724XL00	7.3"	24"	43"	8°	9°
FWALA736XL00	7.3"	36"	55"	8°	9°
FWALA748XL00	7.3"	48"	67"	8°	9°
FWALA812XL00	8.3"	12"	31"	13°	18°
FWALA824XL00	8.3"	24"	43"	13°	18°
FWALA836XL00	8.3"	36"	55"	13°	18°
FWALA848XL00	8.3"	48"	67"	13°	18°
FWALA912XL00	9.3"	12"	31"	15°	20°
FWALA924XL00	9.3"	24"	43"	15°	20°
FWALA936XL00	9.3"	36"	55"	15°	20°
FWALA948XL00	9.3"	48"	67"	15°	20°

## FWAL Inboard Sliding Mount



PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FWALB712XL00	7.3"	12"	31"	8°	9°
FWALB724XL00	7.3"	24"	43"	8°	9°
FWALB736XL00	7.3"	36"	55"	8°	9°
FWALB748XL00	7.3"	48"	67"	8°	9°
FWALB812XL00	8.3"	12"	31"	13°	18°
FWALB824XL00	8.3"	24"	43"	13°	18°
FWALB836XL00	8.3"	36"	55"	13°	18°
FWALB848XL00	8.3"	48"	67"	13°	18°
FWALB912XL00	9.3"	12"	31"	15°	20°
FWALB924XL00	9.3"	24"	43"	15°	20°
FWALB936XL00	9.3"	36"	55"	15°	20°
FWALB948XL00	9.3"	48"	67"	15°	20°

## FWS1 Stationary Foot Mount

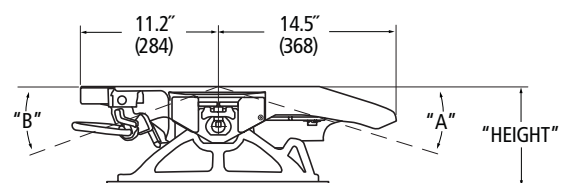
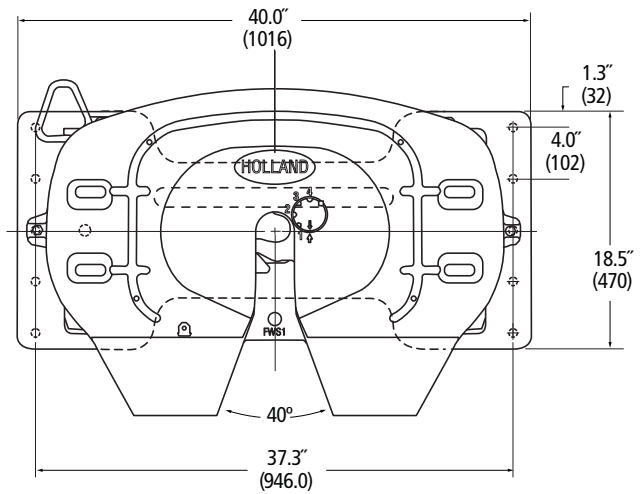
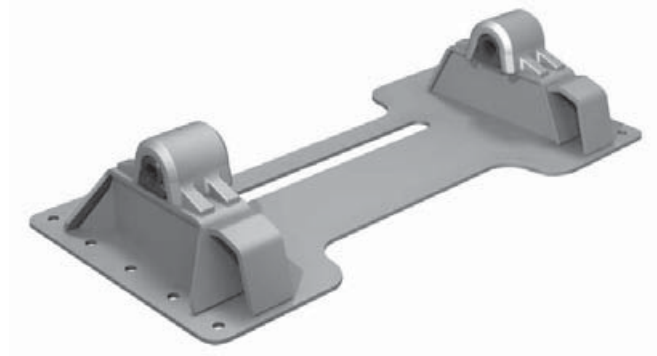


PART NUMBER	HEIGHT	A	B
FWS1Y600XL00	6.1"	11°	7°
FWS1Y700XL00	7.1"	14°	15°
FWS1Y800XL00	8.1"	17°	20°
FWS1Y900XL00	9.1"	20°	24°

Corrugated Plate Option adds .9" to height.

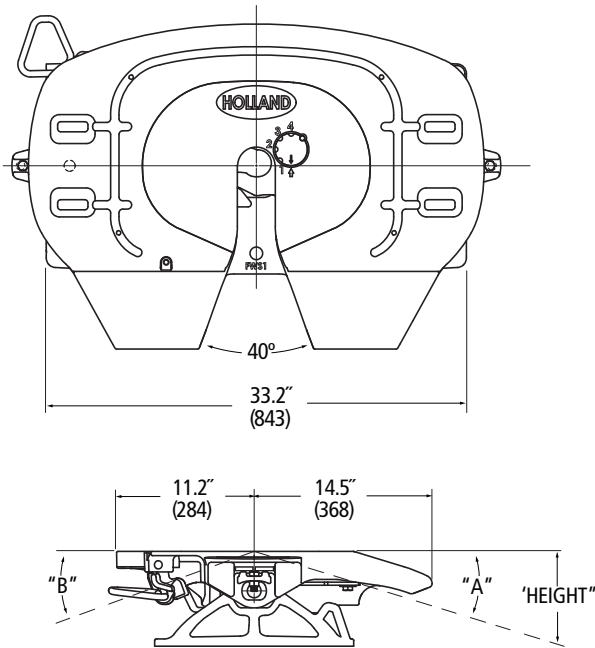
A flat or corrugated mounting plate is required for foot mount brackets.

## FWS1 Stationary Integrated Plate Mount



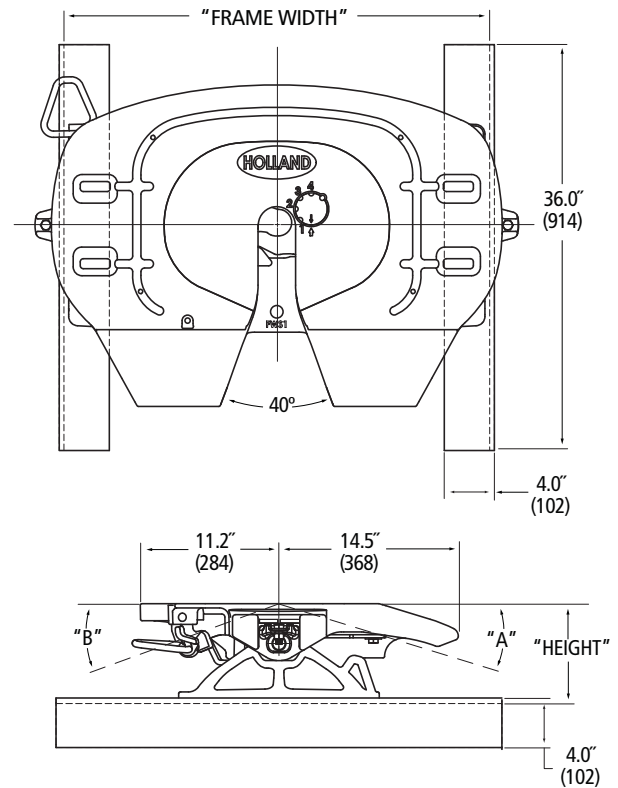
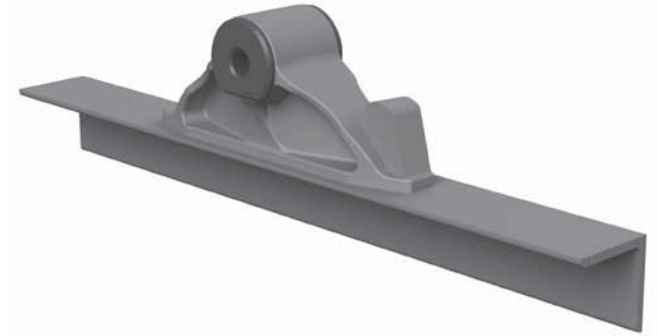
PART NUMBER	HEIGHT	A	B
FWS1Z600XL00	6.1"	11°	7°
FWS1Z700XL00	7.1"	14°	15°
FWS1Z800XL00	8.1"	17°	20°
FWS1Z900XL00	9.1"	20°	24°

## FWS1 Stationary Brackets for Angle Mounting



PART NUMBER	HEIGHT	A	B
FWS1X600XL00	5.7"	11°	7°
FWS1X700XL00	6.7"	14°	15°
FWS1X800XL00	7.7"	17°	20°
FWS1X900XL00	8.7"	20°	24°

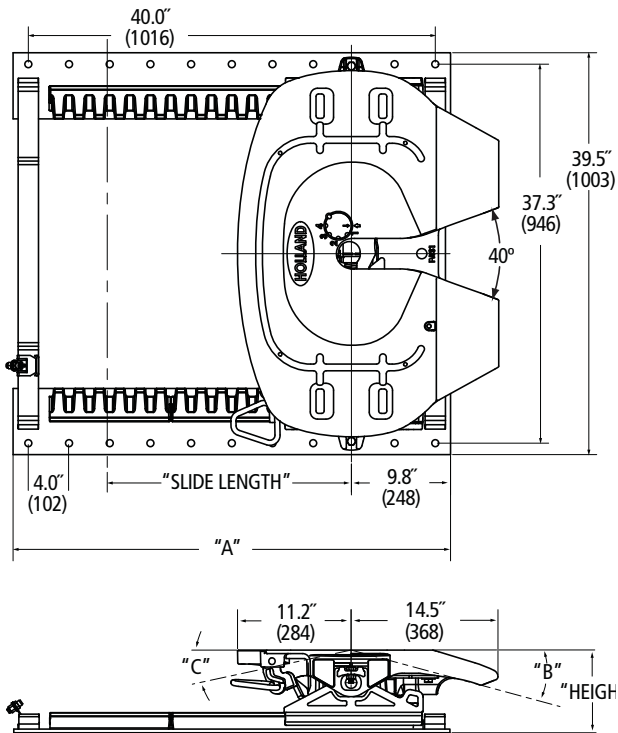
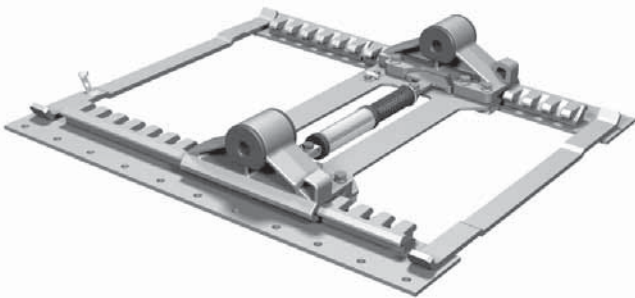
## FWS1 Stationary Brackets with Angle Mounting



PART NUMBER	HEIGHT	A	B
FWS1W600XL00	6.1"	11°	7°
FWS1W700XL00	7.1"	14°	15°
FWS1W800XL00	8.1"	17°	20°
FWS1W900XL00	9.1"	20°	24°

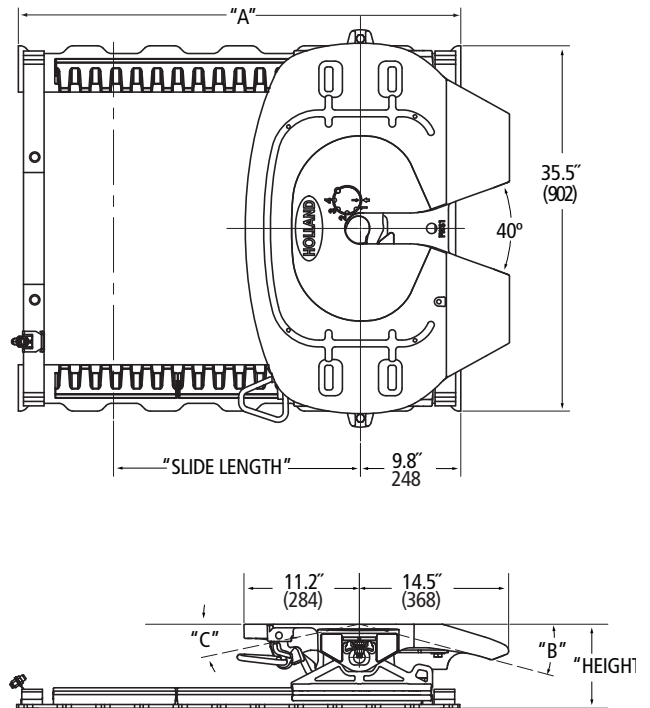
FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		

## FWS1 Outboard Sliding Mount



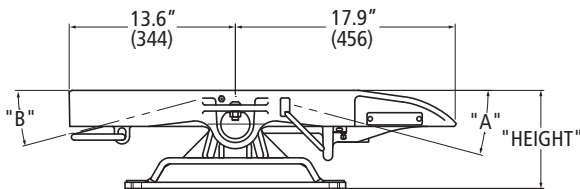
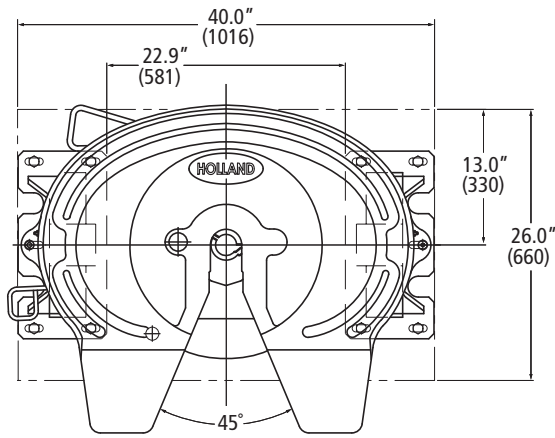
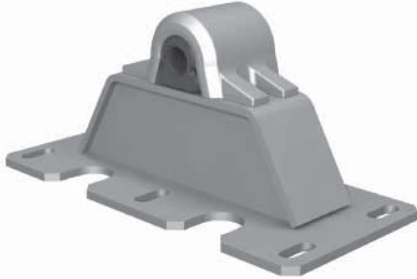
PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FWS1A712XL00	7.1"	12"	31"	11°	6°
FWS1A724XL00	7.1"	24"	43"	11°	6°
FWS1A736XL00	7.1"	36"	55"	11°	6°
FWS1A748XL00	7.1"	48"	67"	11°	6°
FWS1A812XL00	8.1"	12"	31"	15°	12°
FWS1A824XL00	8.1"	24"	43"	15°	12°
FWS1A836XL00	8.1"	36"	55"	15°	12°
FWS1A848XL00	8.1"	48"	67"	15°	12°
FWS1A912XL00	9.1"	12"	31"	18°	19°
FWS1A924XL00	9.1"	24"	43"	18°	19°
FWS1A936XL00	9.1"	36"	55"	18°	19°
FWS1A948XL00	9.1"	48"	67"	18°	19°

## FWS1 Inboard Sliding Mount



PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FWS1B712XL00	7.1"	12"	31"	11°	6°
FWS1B724XL00	7.1"	24"	43"	11°	6°
FWS1B736XL00	7.1"	36"	55"	11°	6°
FWS1B748XL00	7.1"	48"	67"	11°	6°
FWS1B812XL00	8.1"	12"	31"	15°	12°
FWS1B824XL00	8.1"	24"	43"	15°	12°
FWS1B836XL00	8.1"	36"	55"	15°	12°
FWS1B848XL00	8.1"	48"	67"	15°	12°
FWS1B912XL00	9.1"	12"	31"	18°	19°
FWS1B924XL00	9.1"	24"	43"	18°	19°
FWS1B936XL00	9.1"	36"	55"	18°	19°
FWS1B948XL00	9.1"	48"	67"	18°	19°

## FW0070 Stationary Foot Mount

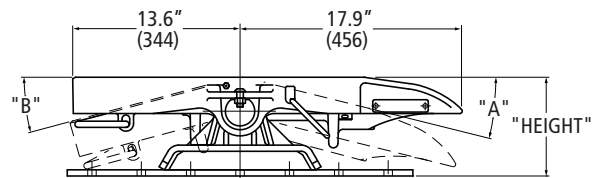
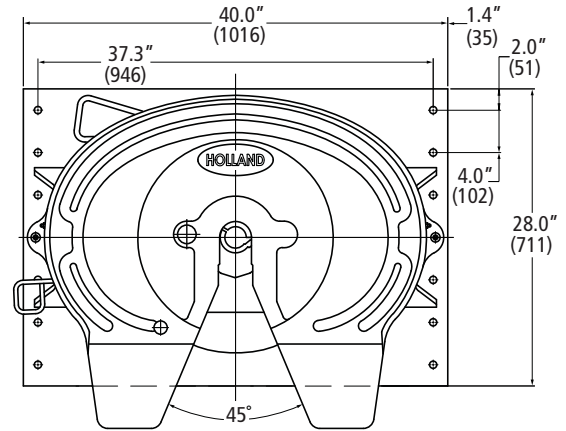
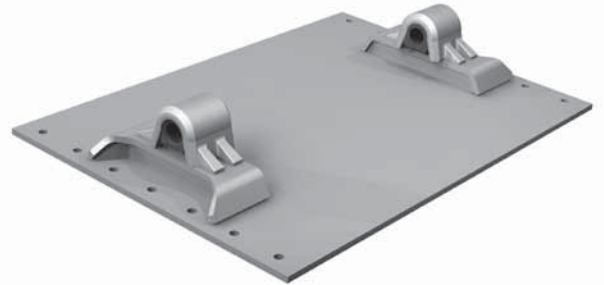


PART NUMBER	HEIGHT	A	B
FW0070-7603XL	7.0"	12°	11°
FW0070-7602XL	8.0"	15°	15°
FW0070-7601XL	9.0"	15°	15°

Corrugated Plate Option adds .9" to height.

A flat or corrugated mounting plate is required for foot mount brackets.

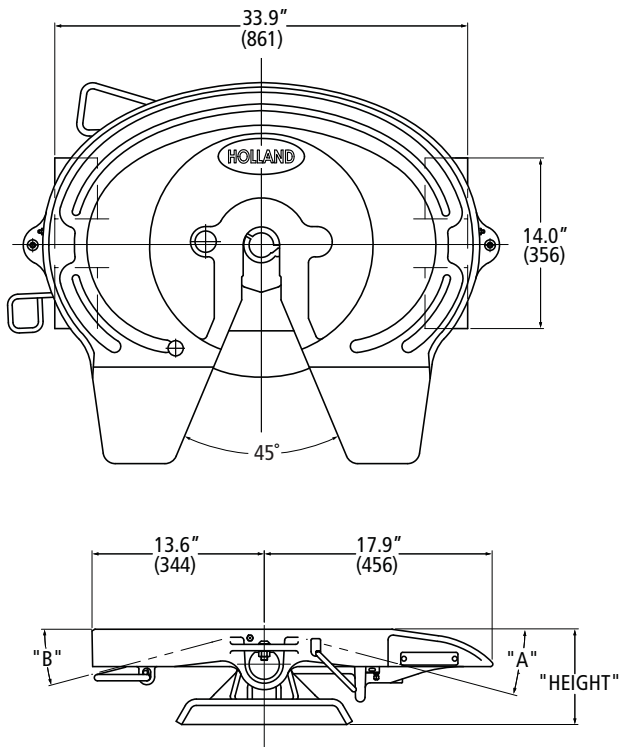
## FW0070 Stationary Integrated Plate Mount



PART NUMBER	HEIGHT	A	B
FW0070-7685XL	7.0"	11°	6°
FW0070-7684XL	8.0"	14°	15°
FW0070-7683XL	9.0"	15°	15°

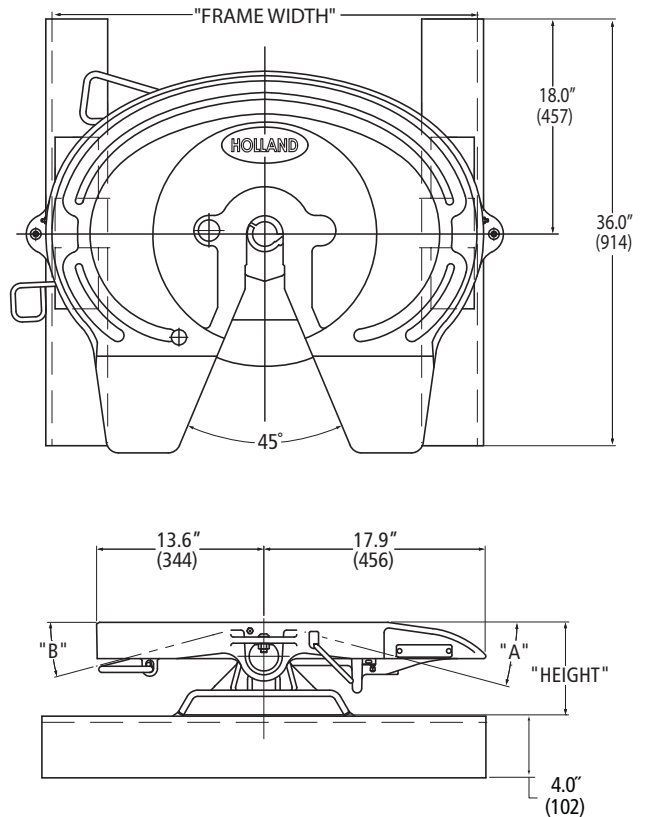
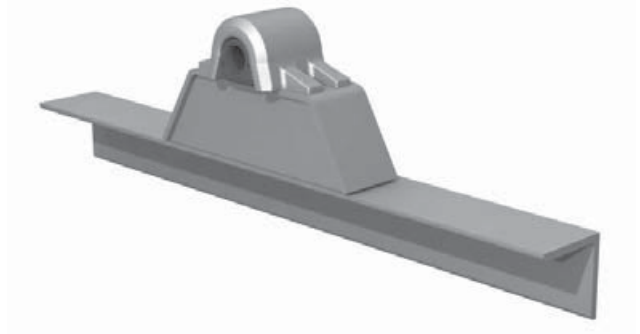


## FW0070 Stationary Brackets for Angle Mounting



PART NUMBER	HEIGHT	A	B
FW0070-7623XL	6.5"	12°	11°
FW0070-7622XL	7.5"	15°	15°
FW0070-7621XL	8.5"	15°	15°

## FW0070 Stationary Brackets with Angle Mounting

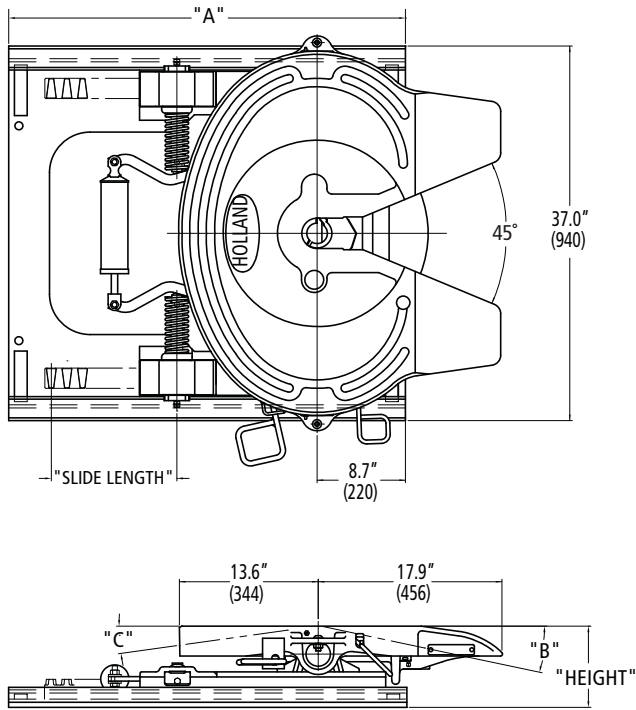
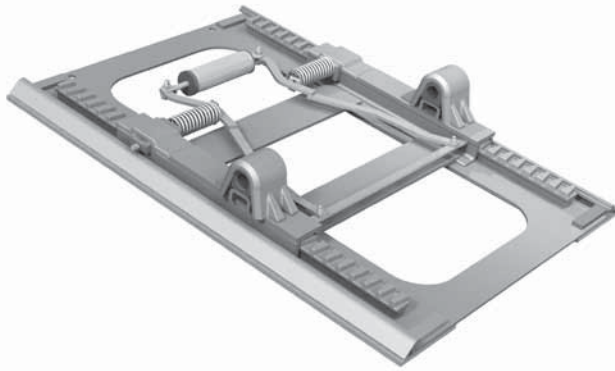


PART NUMBER	HEIGHT	A	B
FW0070-7614GL	6.0"	8°	5°
FW0070-7613GL	7.0"	12°	11°
FW0070-7612GL	8.0"	15°	15°
FW0070-7611GL	9.0"	15°	15°

FRAME WIDTH	CODE	FRAME WIDTH	CODE	FRAME WIDTH	CODE
33.25"	A	33.75"	E	34.25"	J
33.38"	B	33.88"	F	34.38"	K
33.50"	C	34.00"	G	34.50"	L
33.62"	D	34.12"	H		

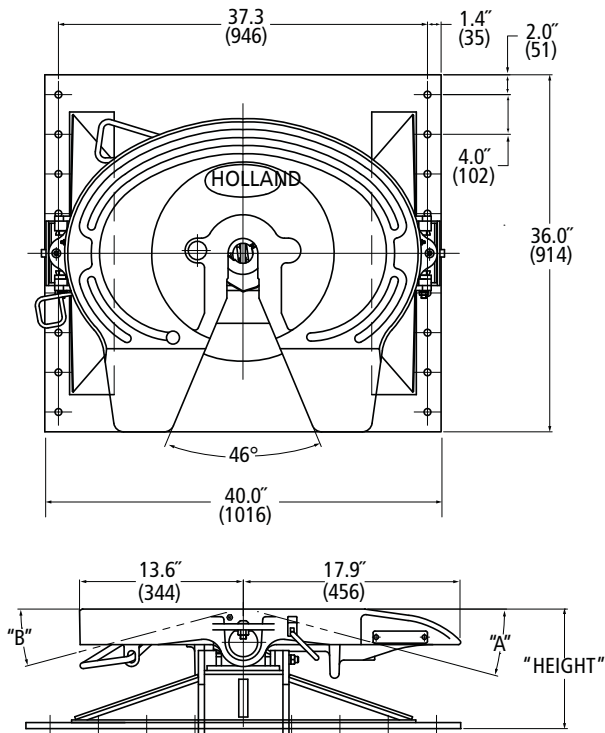
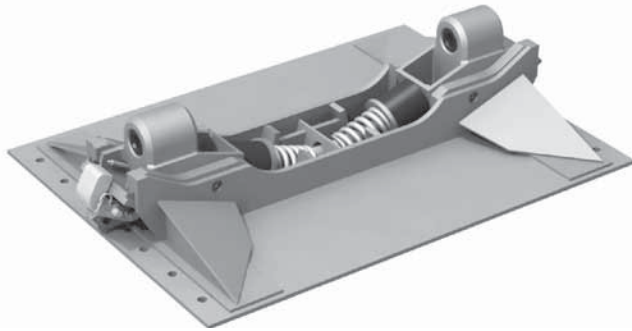
SAF-HOLLAND Group

## FW2570 Inboard Sliding Mount



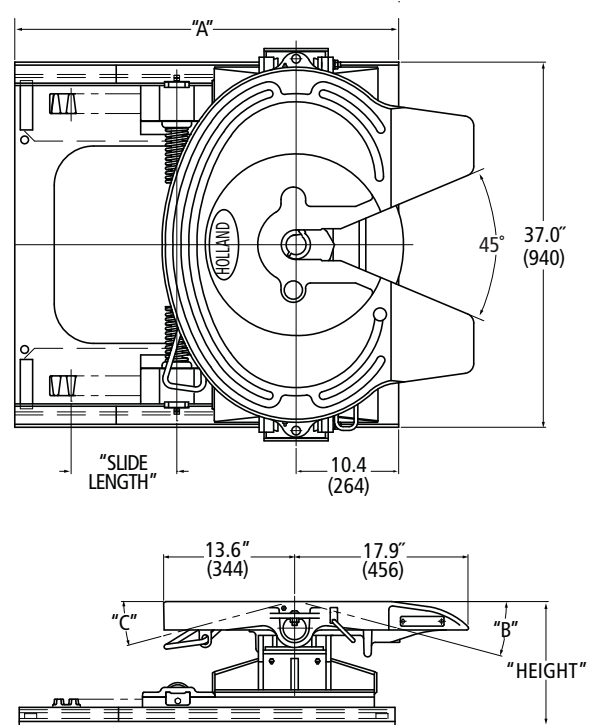
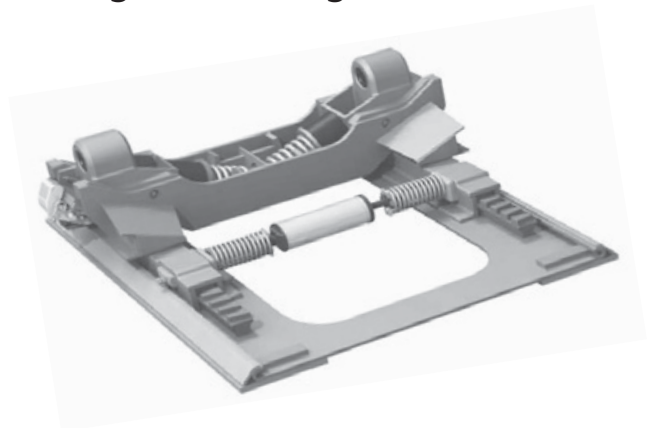
PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW2570-7103X1L	8.0"	10.7"	38.9"	12°	8°
FW2570-7103X2L	8.0"	16.8"	45.0"	12°	8°
FW2570-7103Z3L	8.0"	24.5"	52.6"	12°	8°
FW2570-7103X4L	8.0"	41.3"	69.5"	12°	8°
FW2570-7103X5L	8.0"	53.6"	82.0"	12°	8°
FW2570-7103X6L	8.0"	65.8"	94.0"	12°	8°
FW2570-7102X1L	9.0"	10.8"	38.9"	17°	10°
FW2570-7102X2L	9.0"	16.8"	45.0"	17°	10°
FW2570-7102Z3L	9.0"	24.5"	52.6"	17°	10°
FW2570-7102X4L	9.0"	41.3"	69.5"	17°	10°
FW2570-7102X5L	9.0"	53.6"	82.0"	17°	10°
FW2570-7102X6L	9.0"	65.8"	94.0"	17°	10°

## FW7040 Stationary Kompensator Outboard Mount



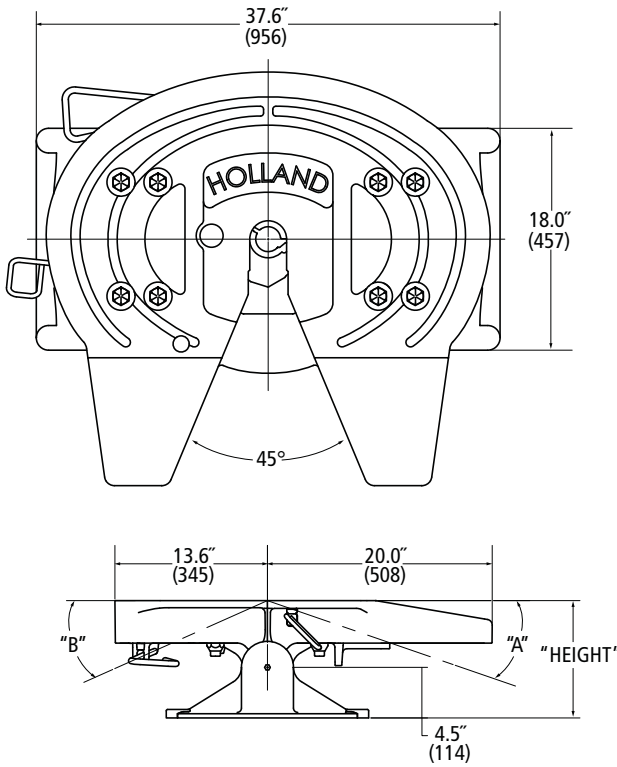
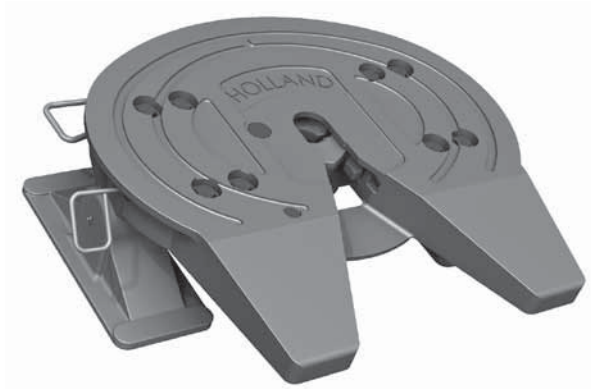
PART NUMBER	HEIGHT	A	B
FW7040-7779XL	9.9"	15°	15°
FW7040-7777XL	11.9"	19°	15°
FW7040-7776XL	12.9"	15°	15°

## FW7090 Sliding Kompensator for Angle Mounting



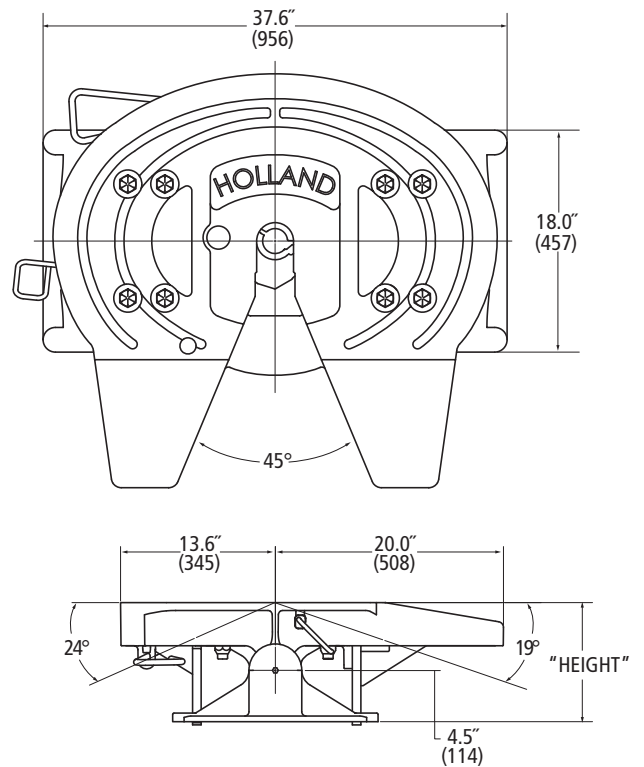
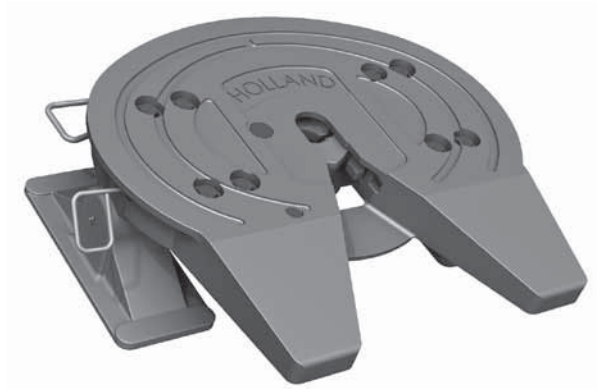
PART NUMBER	HEIGHT	SLIDE LENGTH	A	B	C
FW7090-7251X1L	12.9"	10.7"	38.9"	15°	15°
FW7090-7251X2L	12.9"	16.8"	45.0"	15°	15°
FW7090-7251Z3L	12.9"	24.5"	52.6"	15°	15°
FW7090-7251X4L	12.9"	41.3"	69.5"	15°	15°
FW7090-7251X5L	12.9"	53.6"	82.0"	15°	15°
FW7090-7251X6L	12.9"	65.8"	94.0"	15°	15°

## FW0100 Stationary Mount



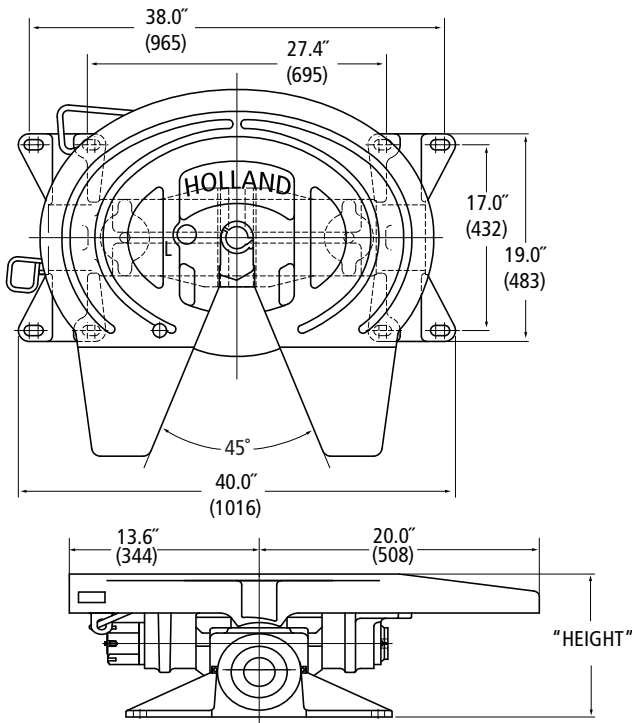
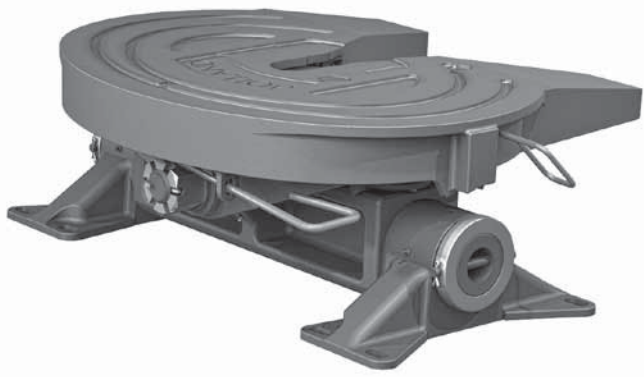
PART NUMBER	HEIGHT	A	B
FW0100-DC	9.0"	15°	16°
FW0100-D	10.5"	19°	24°

## FW0165 Stationary Mount



PART NUMBER	HEIGHT
FW0165-0091-1	10.5"

## FW2080 Stationary Mount



PART NUMBER	HEIGHT
FW2080-D	13.6"



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## GLOSSARY



## Articulation

Rotation about an axis. Generally referring to the fore/aft rotational movement between the fifth wheel and its mounting (See "Oscillation").

## A-Train

A combination of two or more trailers in which the dolly (converter or turntable) is connected by a single pintle hook or coupler, and the drawbar connection is at the center between each vehicle. The resulting connection has two pivot points.

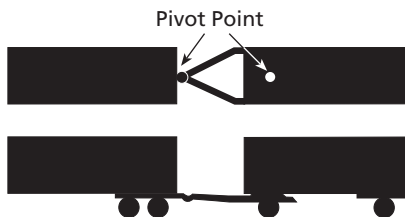


Figure 1

## Air Operated Lock Release

The release mechanism for opening the lock mechanism of the fifth wheel which is operated from the cab of a tractor. The driver sets the tractor parking brake to activate the system. The driver then pulls the air control valve switch to activate a pneumatic cylinder on the fifth wheel to open the locks.

## Air Slide Release

The release mechanism for a sliding fifth wheel which is operated from the cab of a tractor by actuating an air control valve. When actuated, the valve energizes an air cylinder, which releases the slide lock and permits re-positioning of the fifth wheel.

## Articulating Upper Coupler

A bolster plate – kingpin arrangement that is not rigidly attached to the trailer, but provides articulation and/or oscillation (e.g. frameless dump) about an axis parallel to the rear axle of the trailer.

## Axles, Numbering

When used in this guide to select a fifth wheel, the number of axles (for example, "Up to 4-axle trains") refers to the total number of axles on the "towed vehicle(s)" or trailer(s). It does not include the axles on the towing vehicle.

## B-Train

A combination of two or more trailers in which the rear semi-trailer(s) is connected with a single pivot point, commonly a fifth wheel, mounted on an extension of the frame of the lead trailer.

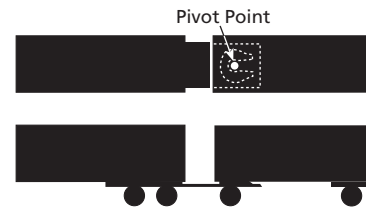


Figure 2

## Bogie

The axle spring, suspension arrangement on the rear of a tandem axle tractor.

## Bolster Plate

The flat, load-bearing surface under the front of a semi-trailer, including the kingpin, which rests firmly upon the fifth wheel when coupled. The bolster plate is sometimes referred to as an upper coupler.

## Bolster Plate Height

The height from the ground to the bolster plate when the trailer is level and unladen.

## C-Train

A combination of two or more trailers in which the dolly (converter or turntable) is connected to the trailer by means of two pintle hook or coupler-drawbar connections. The resulting connection has one pivot point. (See also "B Train")

## Center-of-Gravity (c.g.)

That point in a vehicle or body where the total weight or mass could be considered to be concentrated. Used in conjunction with vehicle stability and weight distribution on its axles.

## City Pick-up and Delivery

Pick-up and delivery service within cities and/or suburban areas with typical distance between starts and stops of 3 miles or less.

**Converter Dolly**

An axle, frame, drawbar and fifth wheel arrangement that converts a semi-trailer into a full trailer.

**Drawbar Capacity**

The maximum, horizontal pulling force that can be safely applied to a coupling device.

**Electronic Lock Indicator (ELI®)**

Electronic monitoring and data collection system that monitors the coupling process from inside the cab. Magnetic proximity sensors located on the fifth wheel top plate senses fifth wheel and kingpin locking sequence, relaying the data to the driver through an icon based display in the cab.

**Extra Capacity**

Generally refers to a coupling device which has strength capability greater than standard.

**Fifth Wheel Height**

The distance from the ground to the top of the fifth wheel when it is level and parallel with the ground. It can also refer to the height from the tractor frame to the top of the fifth wheel. The latter definition applies to data given in fifth wheel literature.

**Fifth Wheel Top Plate**

The portion of the fifth wheel assembly that contacts the trailer bolster plate and houses the locking mechanism that connects to the kingpin.

**Frame Width**

The measurement across the outside of the frame rails of a tractor, truck or trailer.

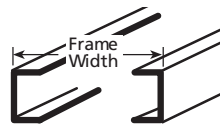


Figure 3

**Full Trailer**

A trailer which does not transfer load to the towing vehicle. It employs a towbar coupled to a swiveling or steerable running gear assembly at the front of the trailer.

**Fully Oscillating Fifth Wheel**

Generally refers to a fifth wheel type with fore/aft and side-to-side articulation. (See "Oscillation")

**G.T.W. – Gross Trailer Weight or Gross Towed Weight**

The sum of the weight of an empty trailer(s) and its payload.

**General Over-the-Road Use**

When used in this guide means, a fifth wheel that is designed for multiple standard duty highway applications.

**ILS**

Integrated Low Weight Slider Mounting System

**Inboard Angle Mount**

The horizontal leg of the mounting angle sits on the tractor frame.

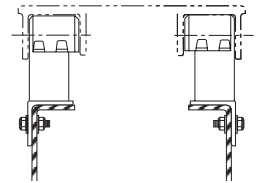


Figure 4

**Kingpin**

The pin mounted through the center of the trailer upper coupler (bolster plate) that mates with the fifth wheel locks securing the trailer to the fifth wheel. The configuration is controlled by industry standards. See SAE J700 and SAE J848.

**Kompensator® Mounting Base**

A mounting base designed to relieve some of the torque and twist that is generated by some trailer designs, thereby reducing or eliminating trailer frame cracks. Tractor tandem tire life is also greatly increased due to improved traction. The primary application for a Kompensator® mounted fifth wheel is for tankers in which the c.g. does not exceed 44 inches above the top surface of the fifth wheel.

**LowLube**

A fifth wheel with recesses cast into the top plate into which lube free inserts are attached to eliminate the use of top plate grease. Also includes lube free inserts between top plate and brackets to eliminate lubrication.

**Mounting Bracket**

That portion of the fifth wheel assembly that connects the fifth wheel top plate to the tractor frame or fifth wheel mounting system.



### No-Tilt Convertible Fifth Wheel

A fifth wheel that has fore/aft articulation which can be locked out to produce a rigid top plate for applications that have either rigid and/or articulating upper couplers.

### NoLube®

A fifth wheel with recesses cast into the top plate into which lube free inserts are attached to eliminate the use of top plate grease. The entire locking system is treated with special coatings that eliminate grease requirements. Also includes lube free inserts between the top plate and brackets to eliminate lubrication in the bracket pocket area.

### Off-Road

Refers to the terrain on which a tractor-trailer operates which is unpaved and rough, or ungraded. Any terrain not considered part of the public highway system falls under this heading.

### On-Road

Refers to the terrain on which a tractor-trailer operates which is paved or a smooth graded surface, generally considered to be part of the public highway system.

### Oscillation

Rotational movement in either fore/aft or side-to-side direction about a pivot point. Generally refers to fifth wheel designs in which fore/aft and side-to-side articulation are provided.

### Outboard Angle Mount

The horizontal leg of the mounting angle faces outward.

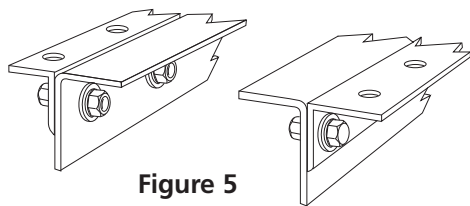


Figure 5

### Rated Capacity

The maximum, recommended safe load that can be sustained by a component or assembly without permanent damage.

### Rigid Fifth Wheel

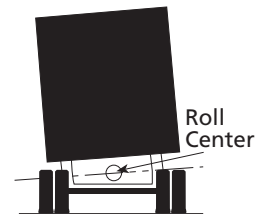
A fifth wheel that is fixed rigidly to a frame. This fifth wheel has no articulation or oscillation. Generally used in applications where the articulation is provided by other means, e.g., an articulating upper coupler of a frameless dump.

### Roll Axis

The theoretical line that joins the roll center of the front and rear axles.

### Roll Center

The instant (always changing) center about which the vehicle sprung mass rotates when lateral (rollover) forces are applied. Generally this is located at the fore/aft center of the suspension at a height where the springs attach to the frame links.



### Secondary Lock

Refers to a component or components of a fifth wheel locking mechanism that may be included as a back-up system for the primary locks. The secondary lock is not required for the fifth wheel to function and can be either manually or automatically applied. On some designs, the engagement of the secondary lock can only be accomplished if the primary lock is properly engaged.

### Semi-Trailer

A load carrying vehicle equipped with one or more axles and constructed so that its front end is supported on the fifth wheel of the truck tractor which pulls it.

### Sliding Fifth Wheel

A specialized fifth wheel design which incorporates provisions to readily relocate the kingpin center forward and rearward affecting the weight distribution on the tractor axles and/or overall length of the tractor and trailer.

### Slide Travel

The distance that a sliding fifth wheel is designed to move.

**Stability**

A relative measure of the handling characteristics which provide the desired and safe operation of the vehicle during various maneuvers.

**Stationary Fifth Wheel**

A fifth wheel whose location on the tractor frame is fixed once it is installed.

**Tilt Stop**

A block or formed plate welded to a fifth wheel mounting bracket that limits the rearward articulation of the fifth wheel. Tilt stops are often used to keep the fifth wheel from resting on or damaging the tractor frame rails.

**TTMA**

Truck Trailer Manufacturers Association  
1020 Princess Street, Alexandria, VA 22314-2247  
Phone: (703) 549-3010 Fax: (703) 549-3014

**TVW (Towed Vehicle Weight)**

Total weight of towed vehicles.

**Torque and Twist**

Generally refers to the forces developed in the trailer and/or tractor frame that are transmitted through the fifth wheel when a rigid trailer (e.g. a tanker) is required to negotiate bumps (i.e. street curbs, etc.).

**Torsional Rigidity**

A component's ability to remain rigid when subjected to twisting forces.

**Universal Fifth Wheel**

(See "Fully Oscillating Fifth Wheel")

**Upper Coupler**

(See "Bolster Plate")

**Vertical Load Capacity**

The maximum, recommended vertical force (down) than can be safely applied to a coupling device.









From fifth wheel rebuild kits to suspension bushing repair kits, SAF-HOLLAND Original Parts are the same quality components used in the original component assembly. SAF-HOLLAND Original Parts are tested and designed to provide maximum performance and durability. Will-fits, look-alikes or, worse yet, counterfeit parts will only limit the performance potential and could possibly void SAF-HOLLAND's warranty.

Always be sure to spec SAF-HOLLAND Original Parts when servicing your SAF-HOLLAND product.

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