

Air Disc Brake (ADB) Axle for Trailer - Order Guide

Complete form below and email to: CustomerService@ridewellcorp.com
Form can be faxed to: **Customer Service - (417) 833-4560**

Contact: _____	Email/Phone: _____
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Note: _____

SUSPENSION TYPE <input type="checkbox"/> Air-Ride <input type="checkbox"/> Mechanical (Spring)	AXLE TRACK WIDTH <input type="checkbox"/> 71.5" <input type="checkbox"/> 77.5" <input type="checkbox"/> Other _____
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BEAM AND CALIPER SELECTION - SELECT ONE		5" (Standard Axle)	5.75" (Large Diameter Axle)	
Spindle Type	Brake Caliper	Beam Rating .591" .749" Wall	Beam Rating .335" .394" Wall	Hub Style
Parallel (P)	Wabco PAN™ 22-1	<input type="checkbox"/> 23K <input type="checkbox"/> 25K	N/A <input type="checkbox"/> 25K	Hub Pilot-10-Stud x 11.25" BC
	Bendix® ADB22X™	<input type="checkbox"/> 23K <input type="checkbox"/> 25K	N/A <input type="checkbox"/> 25K	
	Bendix® ADB22X-LT™	<input type="checkbox"/> 23K <input type="checkbox"/> 25K	N/A <input type="checkbox"/> 25K	
	Wabco PAN™ 19	N/A <input type="checkbox"/> 25K	<input type="checkbox"/> 23K N/A	
Tapered (N)	Wabco PAN™ 17	<input type="checkbox"/> 23K N/A	Hub Pilot - 8-Stud x 10.83" BC	

PRE-APPROVED APPLICATIONS—SELECT ONE (REFERENCE CHART ON PAGE TWO; AIR RIDE ONLY UNLESS OTHERWISE SPECIFIED)

Tire SLR required for all applications (except New) _____	<input type="checkbox"/> New Application <i>Complete New Application form on page two and submit</i>
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Bendix³ <input type="checkbox"/> ADB22X™ <input type="checkbox"/> ADB22X-LT™ Wabco PAN™ 22 <input type="checkbox"/> Heavy Haul (2-021) <input type="checkbox"/> Logging (2-076) <input type="checkbox"/> Line Haul (2-020) <input type="checkbox"/> Chip Van (2-030) <input type="checkbox"/> Tank/Bulk (2-019) <input type="checkbox"/> Dolly <input type="checkbox"/> Construction (2-022)	Wabco PAN™ 19 <input type="checkbox"/> Car Hauler (2-054) <input type="checkbox"/> Car Hauler (2-077) <input type="checkbox"/> Car Hauler (2-061) <input type="checkbox"/> Car Hauler (2-078) <input type="checkbox"/> Heavy Haul (2-056)	Wabco PAN™ 17 <input type="checkbox"/> Heavy Haul (2-072) <input type="checkbox"/> Heavy Haul (2-057) <input type="checkbox"/> Heavy Haul (Stub Axle) (2-067) <input type="checkbox"/> Heavy Haul (Spring Ride) (2-081)
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HUB AND ROTOR – Select one (All hubs shipped with long studs for aluminum wheels)

PAN™ 22; Bendix™ ADB <input type="checkbox"/> WEMC® Lightweight (ADI) <input type="checkbox"/> ConMet® Lightweight (Alum) <input type="checkbox"/> ConMet PreSet® (Alum)	PAN™ 19 <input type="checkbox"/> Ridewell (Ductile Iron)	PAN™ 17 <input type="checkbox"/> KIC™ (Ductile Iron)
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OPTIONS

BRAKE OPTION Spring Brake Service Brake Only

DUST SHIELDS Rotor Shields Pad Shields (Bendix® only) **OTHER:** Cambered Axle STEMCO Pro-Torq® Nut

SEAL STEMCO Guardian® HP (RW Standard) National Gold PTFE **ABS SENSOR** Yes (Tone rings standard)

HUB LUBRICATION 80/90 Gear Oil (RW Standard) Synthetic Semi-Fluid Grease
 None (Shipped dry) Synthetic Oil (75W-90) Synthetic Grease (Hard)

AUTOMATIC TIRE INFLATION SYSTEM (Select one ATIS and provide additional information)
 P.S.I.™ ThermALERT™ (Axle Prep) Aeris™ (Axle Prep) Single Wheel Wheel Size _____
 P.S.I.™ Control Kit Aeris™ Control Kit Dual Wheel Single Axle Tandem Tri-Axle

APPROVED APPLICATIONS (Air Ride Only unless specified; Complete and submit New Application if desired application not listed)

Bendix®	Ref #	GAWR (lbs)	GVWR (lbs)	Vehicle-Wt Empty (lbs)	# of Axles	Wheel Size	Tire SLR	Track Width	% On-Hwy	% Off-Hwy
ADB22X™; ADB22X-LT™	NA	All Applications								
Wabco PAN™ 22	Ref #	GAWR (lbs)	GVWR (lbs)	Vehicle-Wt Empty (lbs)	# of Axles	Wheel Size	Tire SLR	Track Width	% On-Hwy	% Off-Hwy
Heavy Haul	2-021	23K	69K	18K	2 - 5	22.5" or 24.5"	Up to 20.9"	71.5" or 77.5"	80	20
Line Haul	2-020	23K	69K	13.5K	2 - 3	22.5" or 24.5"	Up to 20.9"	71.5" or 77.5"	80	20
Tank/Bulk	2-019	23K	69K	13.5K	2 - 3	22.5" or 24.5"	Up to 20.9"	71.5" or 77.5"	80	20
Construction	2-022	23K	69K	13.5K	2 - 3	22.5" or 24.5"	Up to 20.9"	71.5" or 77.5"	80	20
Logging	2-076	17K to 20K	100K	16K	2 - 3	24.5"	20.5"	Undefined	80	20
Chip Van	2-030	11K to 20K	62K	15K	4	22.5"	Up to 20"	75" to 77.5"	50	50
Wabco PAN™ 19		GAWR (lbs)	GVWR (lbs)	Vehicle-Wt Empty (lbs)	# of Axles	Wheel Size	Tire SLR	Track Width	% On-Hwy	% Off-Hwy
Car Hauler	2-054	20K	40K	14K	2	19.5"	Up to 19.3"	71.5" or 77.5"	100	0
Car Hauler	2-077	15K	45K	6.1K	2-3	19.5" to 22.5"	Up to 19.3"	71.5" to 96"	100	0
Car Hauler	2-061	20K	40K	14K	2	19.5"	Up to 19.3"	71.5" to 96"	100	0
Car Hauler	2-078	20K	40K	8.86K	2	19.5"	16.3"	71.5" to 96"	100	0
Heavy Haul	2-056	20K	40K	16K	2-3	19.5" to 22.5"	Up to 19.3"	32" to 40"	90	10
Wabco PAN™ 17		GAWR (lbs)	GVWR (lbs)	Vehicle-Wt Empty (lbs)	# of Axles	Wheel Size	Tire SLR	Track Width	% On-Hwy	% Off-Hwy
Heavy Haul	2-072	15K	45K	6.1K	2-3	17.5"	14.8"-15.6"	71.5" to 96"	80	20
Heavy Haul	2-057	20K	60K	18K	2 - 3	17.5"	Up to 15.6"	71.5" to 96"	80	20
Heavy Haul/Jeep (Stub Axle)	2-067	20K	60K	18K	2 - 3	17.5"	Up to 15.6"	28" to 42"	80	20
Heavy Haul (Spring Ride)	2-081	20K	85K	12K	2 - 3	17.5"	14.5"	Undefined	80	20

- Notes:**
- Use only wheels and valve stems that provide the proper running clearance with the disc brakes that are equipped with the suspension. The vehicle manufacturer shall ensure that proper wheels and valve stems are installed.
 - It is important to ensure the compatibility of the disc brake systems between the tractor and trailer. Changes to the tractor may be required to produce a balanced combination braking system. Operators should review any such required changes with the tractor manufacturer to prevent premature wear of the tractor and/or trailer components. Premature wear of components is not covered under the Ridewell warranty for failure to ensure tractor/trailer compatibility or for improper operation and maintenance.
 - Bendix® ADB22X™ and Bendix® ADB22X™-LT brake caliper are not approved for Dolly applications.

New Application (All information required)

Type of Trailer (Heavy Haul, Line Haul, etc.; Enter short description) _____

Provide axle layout or a sketch of the trailer (Submit on separate page)

Is trailer equipped with ABS? YES Equipped with EBS? YES On-Hwy Usage? _____% Off-Hwy Usage? _____%

Tire Size (Provide range of sizes if more than one) _____

Tire Static Load Radius (SLR) (Provide range of sizes if more than one tire size) _____

Minimum Mass - Unladen Trailer (lbs) _____	Max. ground load on axle one (lbs) _____	<input type="checkbox"/> Spring Brake <input type="checkbox"/> Service Brake
Maximum Mass - Laden Trailer (lbs) _____	Max. ground load on axle two (lbs) _____	<input type="checkbox"/> Spring Brake <input type="checkbox"/> Service Brake
Distance from ground to the center of gravity of load (inches) _____	Max. ground load on axle three (lbs) _____	<input type="checkbox"/> Spring Brake <input type="checkbox"/> Service Brake
Distance from king pin to the center of axle set (inches) _____		