



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

Complete and sign form and email to: **CustomerService@ridewellcorp.com**

Form can be faxed to: **Customer Service - (417) 833-4560**

Contact:

Email/Phone:

Note:

☐ Requires Generic Parking Brake CMVSS-121/TSD-121 S5.6.1 (Approval by Ridewell Engineering Dept. required).

SUSPENSION TYPE ☐ Air-Ride ☐ Mechanical (Spring)

AXLE TRACK WIDTH ☐ 71.5" ☐ 77.5" ☐ Other _____

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		

HUB AND ROTOR – SELECT ONE (All hubs shipped with long studs for aluminum wheels)

PAN™ 22; Bendix ADB22X; 22X-LT

☐ WEMC® Lightweight (ADI) ☐ ConMet® Lightweight (Alum)
☐ KIC™ (Ductile Iron) ☐ ConMet PreSet® (Alum)

PAN™ 19

☐ Ridewell (Ductile Iron)

PAN™ 17

☐ KIC™ (Ductile Iron)

OPTIONS

BRAKE OPTION (Select one) ☐ Spring Brake ☐ Service Brake Only

ABS SENSOR ☐ Yes (Tone rings standard)

SEAL ☐ STEMCO Guardian® HP (Ridewell Standard) ☐ National Gold PTFE (Required on PAN™ 17)

DUST SHIELDS ☐ Rotor Shields (Required on Wabco) ☐ Pad Shields (Available on Bendix® ADB22X™ only)

MISCELLANEOUS ☐ Cambered Axle ☐ STEMCO Pro-Torq® Nut

HUB LUBRICATION

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

AUTOMATIC TIRE INFLATION SYSTEM (ATIS) (Select ATIS brand and provide required information)

☐ No ATIS **Axle Prep** ☐ Basic 1-Hole ☐ P.S.I. ThermALERT™ **Control Kit** ☐ P.S.I.™
☐ Basic 3-Hole ☐ Aeris® ☐ Aeris® ☐ Aeris w/SmartSense®

Wheel Data ☐ Single Wheel
☐ Dual Wheel

Wheel Size ☐ 17.5" ☐ 19.5"-to-24.5"
Number of Axles ☐ Single Axle ☐ Tandem Axle ☐ Tri-Axle

NOTES:

1. An approved disc brake application for axles that use Wabco disc brakes must be on file. Submit New Application form if the desired application is not listed in the approved applications chart.
2. 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.
3. 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.
4. Contact the Ridewell Warranty Department at (417) 833-4565 Ext. 135 for complete warranty information.

SUSPENSION APPLICATIONS

1. SELECT PRE-APPROVED APPLICATION ON PAGE TWO – Sign and submit page one and two.

2. GO TO PAGE THREE FOR NEW APPLICATION – Sign completed New Application Form and submit page one and three.

APPROVED APPLICATIONS *(Air ride only unless specified)*

Bendix®		Tire SLR	GAWR (lbs)	ALL APPLICATIONS (except Dolly Application)						
<input type="checkbox"/>	ADB22X™	18.5"-21.5"	23K							
<input type="checkbox"/>	ADB22X™	18.5"-21.5"	20K							
<input type="checkbox"/>	ADB22X-LT™	17.5"-20.8"	23K							
<input type="checkbox"/>	ADB22X-LT™	17.5"-20.8"	20K							
Wabco PAN™ 22	APP #	Tire SLR	GAWR (lbs)	GVWR (lbs)	Vehicle-Wt Empty (lbs)	# of Axles	Wheel Size	Track Width	% On-Hwy	% Off-Hwy
<input type="checkbox"/> Heavy Haul	2-021	17.5" to 20.9"	23K	69K	18K	2 - 5	22.5" or 24.5"	71.5" or 77.5"	80	20
<input type="checkbox"/> Heavy Haul	2-098	17.6"	23K	69K	18K	3	22.5" or 24.5"	71.5" to 96"	80	20
<input type="checkbox"/> Line Haul	2-020	17.5" to 20.9"	23K	69K	13.5K	2 - 3	22.5" or 24.5"	71.5" or 77.5"	80	20
<input type="checkbox"/> Tank/Bulk	2-019	17.5" to 20.9"	23K	69K	13.5K	2 - 3	22.5" or 24.5"	71.5" or 77.5"	80	20
<input type="checkbox"/> Tank/Bulk	2-088	19.3" to 20"	17.64K	90K	22K	2 - 3	22.5" or 24.5"	71.5" to 96"	80	20
<input type="checkbox"/> Construction	2-022	17.5" to 20.9"	23K	69K	13.5K	2 - 3	22.5" or 24.5"	71.5" or 77.5"	80	20
<input type="checkbox"/> Logging	2-076	17" to 20.5"	17K to 20K	100K	16K	2 - 3	24.5"	Undefined	80	20
<input type="checkbox"/> Chip Van	2-030	19" to 20"	11K to 20K	62K	15K	4	22.5"	75" to 77.5"	50	50
<input type="checkbox"/> Car Hauler	2-083	17"	17K	45K	19K	2	22.5"	71.5" to 96"	100	0
<input type="checkbox"/> Oil Field	2-093	19.6"	20K	114K	14K	2	22.5"	71.5" to 96"	40	60
Wabco PAN™ 19	APP #	Tire SLR	GAWR (lbs)	GVWR (lbs)	Vehicle-Wt Empty (lbs)	# of Axles	Wheel Size	Track Width	% On-Hwy	% Off-Hwy
<input type="checkbox"/> Car Hauler	2-054	17" to 19.3"	20K	40K	14K	2	19.5"	71.5" or 77.5"	100	0
<input type="checkbox"/> Car Hauler	2-087	15.7"	15K	45K	6.1K	2-3	19.5"	71.5" to 96"	100	0
<input type="checkbox"/> Car Hauler	2-061	17" to 19.3"	20K	40K	14K	2	19.5"	71.5" to 96"	100	0
<input type="checkbox"/> Car Hauler	2-078	16.3"	20K	40K	8.86K	2	19.5"	71.5" to 96"	100	0
<input type="checkbox"/> Car Hauler	2-086	15.7"	20K	40K	8.86K	2	19.5"	71.5" to 96"	100	0
<input type="checkbox"/> Heavy Haul	2-056	17" to 19.3"	20K	40K	16K	2-3	19.5" to 22.5"	32" to 40"	90	10
Wabco PAN™ 17	APP #	Tire SLR	GAWR (lbs)	GVWR (lbs)	Vehicle-Wt Empty (lbs)	# of Axles	Wheel Size	Track Width	% On-Hwy	% Off-Hwy
<input type="checkbox"/> Heavy Haul	2-072	14.6"-15.6"	15K	45K	6.1K	2 - 3	17.5"	71.5" to 96"	80	20
<input type="checkbox"/> Heavy Haul	2-057	12.5" to 15.4"	20K	60K	18K	2 - 3	17.5"	71.5" to 96"	80	20
<input type="checkbox"/> Heavy Haul	2-089	14"	20K	47.8K	7.8K	2 - 3	17.5"	71.5" to 96"	80	20
<input type="checkbox"/> Heavy Haul/Jeep (Stub Axle)	2-067	12.5" to 15.4"	20K	60K	18K	2 - 3	17.5"	28" to 42"	80	20
<input type="checkbox"/> Heavy Haul (Spring Ride)	2-081	14.5"	20K	85K	12K	2 - 3	17.5"	Undefined	80	20
<input type="checkbox"/> Camper/RV Transport	2-092	14.5"	16K	16K	14.5K	1	17.5"	71.5" to 96"	95	5

If desired application is not listed, complete, sign and submit New Application form (pg 3) with completed page one

REQUESTER: Authorized Contact Person		Contact Title	
Signature		Date	



CustomerService@ridewellcorp.com
800-641-4122 - Fax (417) 833-4560
PO BOX 4586 • Springfield MO 65808

Page Two

9710028-ADB Axle Order Guide-RevJ-09-25-19 ENG

NEW APPLICATION – COMPLETE, SIGN AND SUBMIT FORM WITH AXLE INFORMATION (PAGE ONE)**Type of Trailer** *(Heavy Haul, Line Haul, etc.; Enter short description)***Tire Size***(Provide range of sizes if more than one)***Tire Static Load Radius (SLR)***(Provide range of sizes if more than one)***Equipped with Automatic Braking System (ABS)?** ☐ YES**Equipped with Electronic Braking System (EBS)?** ☐ YES**On-Highway Usage** _____ % **Off-Highway Usage** _____ %**Minimum Mass – Unladen Trailer (lbs)** _____**Maximum Mass –Laden Trailer (lbs)** _____**Distance from the ground to the center of gravity of load (inches)** _____**Distance from the kingpin to the center of axle set (inches)** _____**Max. ground load on axle one (lbs)** _____ ☐ Spring Brake ☐ Service Brake Only**Max. ground load on axle two (lbs)** _____ ☐ Spring Brake ☐ Service Brake Only**Max. ground load on axle three (lbs)** _____ ☐ Spring Brake ☐ Service Brake Only**Provide axle layout or sketch of the trailer**☐ Separate page(s) attached**Remarks****REQUESTER****Authorized Contact Person****Contact Title****Signature****Date**

Contact the Ridewell Warranty Department at (417) 833-4565 Ext. 135 for complete warranty information.

**RIDEWELL
SUSPENSIONS**CustomerService@ridewellcorp.com
800-641-4122 - Fax (417) 833-4560
PO BOX 4586 • Springfield MO 65808

Page Three

9710028-ADB Axle Order Guide-RevJ-09-25-19 ENG