

 RIDEWELL SUSPENSIONS		Primary Axle Trailer Suspension – Air Disc Brake (ADB) Axle Order Guide		Complete both pages of form. Sign and submit to Customer Service EMAIL: Info@ridewellcorp.com FAX: (417) 833-4560	
Company			RW-Customer Number		
Company Contact			Email/Phone No.		
Comments					
Warranty Warranty based on zero-offset wheel configuration. Contact Ridewell for details.					
Suspension Type <input type="checkbox"/> Air-Ride <input type="checkbox"/> Mechanical (Leaf Spring)					
Axle-Track Width <input type="checkbox"/> 71.5" <input type="checkbox"/> 77.5" <input type="checkbox"/> Other _____ (Contact Ridewell for details)					
Canadian Application <input type="checkbox"/> Requires Generic Parking Brake CMVSS-121 (TSD-121 S5.6.1); Engineering Dept approval required.					
1) BEAM SELECTION - Select beam rating and wall thickness option.					
BRAKE CALIPER OPTIONS		SPINDLE TYPE		5" – STANDARD AXLE	
<input type="checkbox"/> Bendix ADB22X-LT® <input type="checkbox"/> Haldex DBT22LT®		(P) Parallel		<input type="checkbox"/> 23K – .591"Wall <input type="checkbox"/> 25K – .750"Wall	
Wabco PAN™ 19		(P) Parallel		<input type="checkbox"/> 25K – .750"Wall	
Wabco PAN™ 17		(N) Tapered		<input type="checkbox"/> 23K – .591"Wall Not Available	
2) HUB AND ROTOR - Select hub and rotor option.					
BRAKE CALIPER OPTIONS		HUB OPTION		HUB STYLE	
Bendix ADB22X-LT™ Haldex DBT22LT™		<input type="checkbox"/> ConMet PreSet Plus® CAST IRON (RWSTD) <input type="checkbox"/> ConMet PreSet Plus® LT-WEIGHT (ALUM) <input type="checkbox"/> Walther EMC® LT-WEIGHT (ADI)		Hub Piloted: 10-Stud x 11.25" Bolt Circle	
Wabco PAN™ 19		<input type="checkbox"/> RW Standard (Ductile Iron)		Hub Piloted: 10-Stud x 11.25" Bolt Circle	
Wabco PAN™ 17		<input type="checkbox"/> RW Standard (Ductile Iron)		Hub Piloted: 8-Stud x 10.83" Bolt Circle	
3) OPTIONS - Select component and ATIS options. Complete "Approved Application" or "New Application" form on page two and submit form.					
Brake (Choose One) <input type="checkbox"/> Parking Brake (Spring Brake) <input type="checkbox"/> Service Brake Only					
ABS Sensor <input type="checkbox"/> Yes (Tone Ring Supplied-RW Standard)					
Cambered Axle <input type="checkbox"/> Yes					
Dust Shield <input type="checkbox"/> Yes (Required on Wabco caliper)					
Hub Lubrication <input type="checkbox"/> 80/90 Gear Oil (RW Standard) <input type="checkbox"/> Synthetic Oil (75W-90) <input type="checkbox"/> SYN Semi-Fluid Grease <input type="checkbox"/> No Lube (Oil Hubcap)					
AUTOMATIC TIRE INFLATION SYSTEM (ATIS) – Select axle preparation procedure and provide required information.					
<input type="checkbox"/> No ATIS (No axle preparation)					
Axle Preparation <input type="checkbox"/> Basic 1-Hole <input type="checkbox"/> Basic 3-Hole <input type="checkbox"/> P.S.I. ThermALERT™ (Contact Ridewell for details)					
Number of Axles <input type="checkbox"/> Single Axle <input type="checkbox"/> Tandem Axle <input type="checkbox"/> Tri-Axle					
Wheel Data <input type="checkbox"/> Single-Wheel <input type="checkbox"/> Dual-Wheel		Wheel Size <input type="checkbox"/> 17.5" <input type="checkbox"/> 19.5"-to-24.5"			
IMPORTANT:					
1. Primary trailer axles configured with Bendix, Haldex, or Wabco disc brakes must have an approved disc-brake application on file at Ridewell. If desired application is not listed as an "Approved Application," complete the "New Application" form, sign on page two and submit both page one and two to Ridewell.					
2. Use only wheels and valve stems that provide the proper running clearance for disc brakes installed 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/trailer. Premature wear of braking components is not covered under Ridewell warranty by manufacturer failure to ensure tractor/trailer compatibility or for improper operation and maintenance of the suspension. Changes to the tractor may be required to produce a balanced combination braking system. Operators should review any required changes with the tractor manufacturer to prevent premature wear of the tractor/trailer components.					
4. Contact Ridewell Warranty Department at (417) 833-4565 Ext. 135 for complete warranty information.					

Continued on page two

APPROVED APPLICATION: Select an Approved Application or complete the New Application form below. Sign and date form, then submit completed page one and two.

BENDIX®	Tire SLR	GAWR (lbs)	All Bendix/Haldex Applications (except Dolly Applications)							
<input type="checkbox"/> ADB22X-LT™	17.5"-20.8"	23K								
<input type="checkbox"/> ADB22X-LT™	17.5"-20.8"	20K								
Haldex®	Tire SLR	GAWR (lbs)								
<input type="checkbox"/> DBT22LT™	17.5"-20.8"	23K								
<input type="checkbox"/> DBT22LT™	17.5"-20.8"	20K								

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 15.4"	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
<input type="checkbox"/> Dump/Pup Trailer	2-105	19.8"/15.79"/19.8"	15K/13.5K/15K	43K	10K	3	19.5" to 22.5"	71.5" to 96"	100	0
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 Trailer	2-092	14.5"	16K	16K	14.5K	1	17.5"	71.5" to 96"	95	5

NEW APPLICATION: Provide information below if approved application is not listed. Sign and date form, then submit completed page one and two.

Enter short description for type of trailer
(Heavy Haul; Line Haul; Car Hauler; etc.)

Tire Size: (Provide range if more than one size)	Tire Static Load Radius (SLR): (Provide range if more than one)		
Equipped with Anti-Lock Braking System (ABS)? <input type="checkbox"/> YES	Equipped with Electronic Braking System (EBS)? <input type="checkbox"/> YES	On-Hwy Usage? %	Off-Hwy Usage? %
Minimum Mass – Unladen Trailer (lbs)	Max. ground load on axle one (lbs)	<input type="checkbox"/> Parking Brake	<input type="checkbox"/> Service Brake Only
Maximum Mass – Laden Trailer (lbs)	Max. ground load on axle two (lbs)	<input type="checkbox"/> Parking Brake	<input type="checkbox"/> Service Brake Only
Distance from the ground to the center of gravity of laden trailer (inches)	Max. ground load on axle three (lbs)	<input type="checkbox"/> Parking Brake	<input type="checkbox"/> Service Brake Only
Distance from the kingpin to the center of axle set (inches)	Max. ground load on axle four (lbs)	<input type="checkbox"/> Parking Brake	<input type="checkbox"/> Service Brake Only

Provide axle layout/sketch of trailer
☐ Separate page(s) attached

REQUESTER: (Authorized Contact Person)	Contact Title
Requester Signature:	Date:

EMAIL: Info@ridewellcorp.com FAX: 417-833-4560

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