

 RIDEWELL Primary Axle Trailer Suspension – SUSPENSIONS 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		☐ Air-Ride ☐ Mechanical (Leaf Spring)	
Axle-Track Width		☐ 71.5" ☐ 77.5" ☐ Other _____ (Contact Ridewell for details)	
Canadian Application		☐ 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	5.75" – LARGE DIAMETER AXLE (LDA)
☐ Bendix ADB22X-LT® ☐ Haldex DBT22LT®	(P) Parallel	☐ 23K – .591"Wall ☐ 25K – .750"Wall	☐ 25K – .394"Wall
Wabco PAN™ 19	(P) Parallel	Not Available ☐ 25K – .750"Wall	
Wabco PAN™ 17	(N) Tapered	☐ 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™	☐ ConMet PreSet Plus® CAST IRON (RWSTD) ☐ ConMet PreSet Plus® LT-WEIGHT (ALUM) ☐ Walther EMC® LT-WEIGHT (ADI)	Hub Piloted: 10-Stud x 11.25" Bolt Circle	
Wabco PAN™ 19	☐ RW Standard (Ductile Iron)	Hub Piloted: 10-Stud x 11.25" Bolt Circle	
Wabco PAN™ 17	☐ 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	☐ Parking Brake (Spring Brake) ☐ Service Brake Only ☐ No Brake Chamber		
ABS Sensor	☐ Yes (Tone Ring Supplied-RW Standard)		
Cambered Axle	☐ Yes		
Dust Shield	☐ Yes (Required on Wabco caliper)		
Hub Lubrication	☐ 80/90 Gear Oil (RW Standard) ☐ Synthetic Oil (75W-90) ☐ SYN Semi-Fluid Grease ☐ No Lube (Oil Hubcap)		
AUTOMATIC TIRE INFLATION SYSTEM (ATIS) – Select axle preparation procedure and provide required information.			
	☐ No ATIS (No axle preparation)		
Axle Preparation	☐ Basic 1-Hole ☐ Basic 3-Hole ☐ P.S.I. ThermALERT™ (Contact Ridewell for details)		
Number of Axles	☐ Single Axle ☐ Tandem Axle ☐ Tri-Axle		
Wheel Data	☐ Single-Wheel ☐ Dual-Wheel	Wheel Size	☐ 17.5" ☐ 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.			

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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)							
☐ ADB22X-LT™	17.5"-20.8"	23K								
☐ ADB22X-LT™	17.5"-20.8"	20K								
Haldex®	Tire SLR	GAWR (lbs)								
☐ DBT22LT™	17.5"-20.8"	23K								
☐ 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
☐ Car Hauler	2-054	17" to 19.3"	20K	40K	14K	2	19.5"	71.5" or 77.5"	100	0
☐ Car Hauler	2-087	15.7"	15K	45K	6.1K	2-3	19.5"	71.5" to 96"	100	0
☐ Car Hauler	2-061	17" to 15.4"	20K	40K	14K	2	19.5"	71.5" to 96"	100	0
☐ Car Hauler	2-078	16.3"	20K	40K	8.86K	2	19.5"	71.5" to 96"	100	0
☐ Car Hauler	2-086	15.7"	20K	40K	8.86K	2	19.5"	71.5" to 96"	100	0
☐ Heavy Haul	2-056	17" to 19.3"	20K	40K	16K	2-3	19.5" to 22.5"	32" to 40"	90	10
☐ 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
☐ Heavy Haul	2-072	14.6"-15.6"	15K	45K	6.1K	2 - 3	17.5"	71.5" to 96"	80	20
☐ Heavy Haul	2-057	12.5" to 15.4"	20K	60K	18K	2 - 3	17.5"	71.5" to 96"	80	20
☐ Heavy Haul	2-089	14"	20K	47.8K	7.8K	2 - 3	17.5"	71.5" to 96"	80	20
☐ Heavy Haul/Jeep (Stub Axle)	2-067	12.5" to 15.4"	20K	60K	18K	2 - 3	17.5"	28" to 42"	80	20
☐ Heavy Haul (Spring Ride)	2-081	14.5"	20K	85K	12K	2 - 3	17.5"	Undefined	80	20
☐ 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)? ☐ YES	Equipped with Electronic Braking System (EBS)? ☐ YES	On-Hwy Usage?	%	Off-Hwy Usage?	%
Minimum Mass – Unladen Trailer (lbs)	Max. ground load on axle one (lbs)	☐ Parking Brake	☐ Service Brake Only		
Maximum Mass – Laden Trailer (lbs)	Max. ground load on axle two (lbs)	☐ Parking Brake	☐ Service Brake Only		
Distance from the ground to the center of gravity of laden trailer (inches)	Max. ground load on axle three (lbs)	☐ Parking Brake	☐ Service Brake Only		
Distance from the kingpin to the center of axle set (inches)	Max. ground load on axle four (lbs)	☐ Parking Brake	☐ 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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