



TRUCK STEERABLE LIFT AXLE ORDERING GUIDE

If additional options are required and do not appear on this guide, please note when ordering. This sheet covers basic information.

TO: _____ FROM: _____

COMPANY NAME: _____

DATE: _____ PHONE: _____ FAX: _____

EMAIL: _____

1 Suspension Type and Capacity Selection Steerable Lift Axles / Single Tire	
8K	<input type="checkbox"/> SL0893* - Forged Steer Knuckles; Bolt-on Brakes
	RAIL TYPE: <input type="checkbox"/> SR*** <input type="checkbox"/> SSR***
10K	<input type="checkbox"/> SL1093 - Fabricated Steer Knuckles; Bolt-on Brakes
	RAIL TYPE: <input type="checkbox"/> SR*** <input type="checkbox"/> SSR***
13.5K	<input type="checkbox"/> SL1190 - Forged Steer Knuckles; Bolt-on Brakes
	RAIL TYPE: <input type="checkbox"/> SR*** <input type="checkbox"/> SSR***
	<input type="checkbox"/> SL1152RO - Roll-off Unit - Forged Steer Knuckles; Bolt-on Brakes
	RAIL TYPE: No rail options
20K	<input type="checkbox"/> SL1185HL** - High-Lift Unit - Forged Steer Knuckles; Bolt-on Brakes
	RAIL TYPE: No rail options
	<input type="checkbox"/> SL2065 - New Generation 20K; Fabricated Steer Knuckles; Integrated Brakes
	RAIL TYPE: No rail options
25K	<input type="checkbox"/> SL2089 - Legacy 20K; Forged Steer Knuckles; Bolt-on Brakes
	RAIL TYPE: No rail options
	<input type="checkbox"/> SL2200 - Leading Kingpin Steer Axle
Steerable Lift Axles / Dual Tire	
25K	RAIL TYPE: No rail options
	<input type="checkbox"/> Pusher Application Bent-tube 6" drop axle
	<input type="checkbox"/> Tag Application Straight-tube axle

* Pusher position only
 ** Tag position only
 *** SSR units are 2.75" overall shorter fore/aft, reducing the required amount of frame space for mounting. (See figure 2).

2 Vehicle Information (all information required)	
Lift Axle Position	<input type="checkbox"/> Pusher (Ahead of Drive Axles) <input type="checkbox"/> Tag (Behind of Drive Axles)
Vehicle's Primary Suspension Type	<input type="checkbox"/> Air Ride <input type="checkbox"/> Rubber Block <input type="checkbox"/> Mech. Spring <input type="checkbox"/> Walking Beam
Vehicle's Frame Width (outside to outside)	<input type="checkbox"/> 33.5" <input type="checkbox"/> 34" <input type="checkbox"/> 34.5" <input type="checkbox"/> 35" Other (please specify _____)
Dimension from Bottom of Frame Rail to Ground (at lift axle location)	Unloaded _____ Loaded _____
Dimension from Bottom of Frame Rail to Bottom of Drive Shaft (at lift axle location)	_____
Lift Axle Tire Size	_____

3 Lift Axle Options	
Rail	<input type="checkbox"/> Blank, NO holes <input type="checkbox"/> With Mounting Holes - Specific hole pattern must be furnished
Ride Height Must be configured and meet specific model acceptable ranges based on the vehicle "loaded" frame height. All clearances above and below lift axle tires and at the driveline must be confirmed by installer. (See figure 1)	Available ride heights/ranges vary with each specific model and availability will be confirmed during ordering process. Values shown below represent nominal target heights. <input type="checkbox"/> 6" <input type="checkbox"/> 7" <input type="checkbox"/> 8" <input type="checkbox"/> 9" <input type="checkbox"/> 10" <input type="checkbox"/> 11" <input type="checkbox"/> 12" <input type="checkbox"/> 13" <input type="checkbox"/> 14" <input type="checkbox"/> 15" <input type="checkbox"/> 16" <input type="checkbox"/> 17" <input type="checkbox"/> 18" <input type="checkbox"/> 19" <input type="checkbox"/> 20"
Steer Lock	<input type="checkbox"/> Yes (SL1190, SL1152RO, SL2065, SL2089, SL2200 only) <input type="checkbox"/> No
Centering Kit	<input type="checkbox"/> Yes (SL1190, SL1185HL only) <input type="checkbox"/> No
Brake Type	<input type="checkbox"/> Drum <input type="checkbox"/> Disc (only available on SL1190)
Brakes	<input type="checkbox"/> Less brakes <input type="checkbox"/> 325mm x 100mm (8K and 10K only) <input type="checkbox"/> 15 x 4 (13.5K only) <input type="checkbox"/> 16.5 x 5 (13.5K only for reduced stopping distance) <input type="checkbox"/> 16.5 x 6 (20K only) <input type="checkbox"/> 16.5 x 7 (25K only)
Dust Shields	<input type="checkbox"/> Yes <input type="checkbox"/> No

See back for steps 4 and 5 →



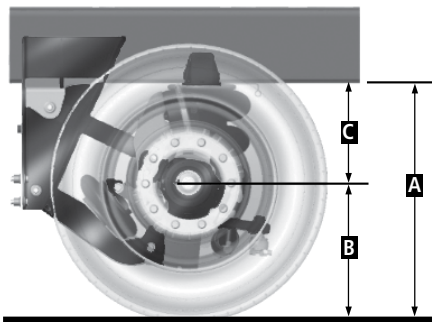
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Wheel-End Options

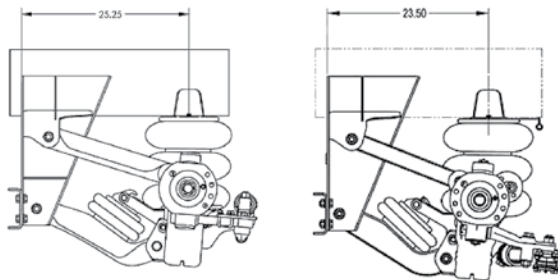
Hub	<input type="checkbox"/> Less Wheel-ends	<input type="checkbox"/> Standard hub	<input type="checkbox"/> Preset Plus
Hub Style	<input type="checkbox"/> Hub Pilot (Standard) <input type="checkbox"/> Stud Pilot		
Hub Options	<input type="checkbox"/> Cast <input type="checkbox"/> Aluminum		
ABS Tone Ring	<input type="checkbox"/> Less Tone Ring <input type="checkbox"/> Tone Ring Installed		
Drum Options	<input type="checkbox"/> Cast <input type="checkbox"/> Cast for 19.5" wheels (13.5K option)		
	<input type="checkbox"/> Castilite <input type="checkbox"/> Less Drums		
Wheel-end Fasteners	<input type="checkbox"/> Wheel-end fasteners included <input type="checkbox"/> Less wheel-end fasteners		
Wheel-end Lube	<input type="checkbox"/> No Lube	<input type="checkbox"/> Std. Oil	<input type="checkbox"/> Synthetic Oil
ABS Sensor (13.5K, 20K and 25K only)	<input type="checkbox"/> Less ABS Sensor Cables		<input type="checkbox"/> ABS Sensor Cables Installed

Figure 1: Ride Height Illustration



A. Loaded Ground to Frame (GTF) Measurement
 B. Static Loaded Radius (SLR) of tire
 C. Ride Height (A - B = C)

Figure 2: Frame Space



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Plumbing Options

Plumbing	<input type="checkbox"/> Less Plumbing	<input type="checkbox"/> Pre-plumbing included (select from options below)
Plumbing Kit Variations (select one main and one control option)		
Main Kit	Control Option	
<input type="checkbox"/> PPAK50 Air kit for use with multi-port spool-type control valve	<input type="checkbox"/> Less Controls	
	<input type="checkbox"/> Control panel with 12v push/pull valve, regulator, gauge, 12v relay	
	<input type="checkbox"/> Control panel with regulator and gauge only (no control valve)	
<input type="checkbox"/> PPAK250 Air kit utilizing high-flow elec. Lift Axle Control Module. 12V relay included.	<input type="checkbox"/> No control panel, elec. 12v valve, regulator, gauge, 12v relay	
	<input type="checkbox"/> Less Controls	
	<input type="checkbox"/> Regulator/gauge combo w/bracket (no push/pull valve)	
<input type="checkbox"/> PPAK124 20K and 25K units only. Air kit utilizing proportioning ratio valve in place of manual regulator.	<input type="checkbox"/> Control panel with regulator and gauge (no push/pull valve)	
	<input type="checkbox"/> Control panel with regulator and gauge in weather box (no push/pull valve)	
	<input type="checkbox"/> Less Controls - Control options are not available for this kit, as the proportioning valve takes a direct feed from the primary suspension Height Control Valve.	

Notes or additional options not listed

Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.
 All applications must comply with applicable specifications from Watson & Chalin and the respective vehicle manufacturer.
 Contact Watson & Chalin for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.

Contact Watson & Chalin at 972.547.6020 for additional information.



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