



DETROIT™ STEER AXLES

TECHNICAL SPECIFICATIONS

WEIGHT RATINGS **6000-23,000 lb.**

WITH ADVANCED, INDUSTRY-LEADING TECHNOLOGY, THESE INNOVATIVE DETROIT™ AXLES PROVIDE THE PERFORMANCE AND VALUE YOU DEMAND. HERE ARE SOME OF THE BENEFITS:

Dependability that Keeps You on the Road

- Easy maintenance resulting in reduced lifecycle cost
- Needle bearings provide for greater reliability and lower maintenance
- Significant weight advantage for higher payloads
- Up to 55-degree wheel cut for added maneuverability
- Compatible with all brakes offered by Freightliner Trucks and Western Star Trucks
- Warranty is based on truck application up to five years, 750,000 miles*

*For on-highway applications.



DETROIT™ STEER AXLES AREN'T JUST TOUGH: THEY'RE INNOVATIVE. By using needle bearings, we've reduced wear and tightened tolerances. The result is less deflection and better performance for the life of the axle. And, with wheel cuts up to 55 degrees, you'll feel the difference at every turn. With a variety of weight ratings you can choose the axle that fits best in your application, depending on your truck weight and load requirements.



Up to a 55-degree wheel cut for added maneuverability (45-degree on Model 5).



Needle bearings provide greater reliability.

Understanding a Model Code Steer Axle

EXAMPLE:
DA-F-12.0-3
 Model Number
 Weight Rating (x 1000 lb.)
 Front
 Detroit Axles

Detroit Steer Axle Specifications

	DATA CODE	MODEL CODE	GAWR ¹ (LB / KG)	KINGPIN INTERSECTION (IN / MM)	AXLE BEAM DROP (IN / MM)	MAX. CREEP RATING (LB / KG) ²	MAX. WHEEL-CUT ANGLE	KINGPIN DIAMETER (IN / MM)
MODEL 2	400-1C9	DA-F-6.0-2	6000 / 2721	65.2 / 1656.1	3.74 / 96.0	Application Approval Required	55°	1.77 / 45.0
	400-1DW 400-1BC	DA-F-8.0-2	8000 / 3628	65.2 / 1656.1 68.0 / 1727.2				
MODEL 3	400-1EW	DA-F-8.0-3	8000 / 3628	71.5 / 1816.1	3.74 / 96.0	19,500 / 8845	55°	1.77 / 45.0
	400-1BD 400-1A5 400-1EF	DA-F-10.0-3	10,000 / 4535	69.0 / 1752.6 71.5 / 1816.1 71.5 / 1816.1	3.50 / 88.0 3.74 / 96.0 5.00 / 127.0	19,000 / 8618		
	400-1BE 400-1DA 400-1A6 400-1ED	DA-F-12.0-3	12,000 / 5442	69.0 / 1752.6 69.0 / 1752.6 71.5 / 1816.1 71.5 / 1816.1	3.50 / 88.0 5.00 / 127.0 3.74 / 96.0 5.00 / 127.0	18,500 / 8391		
	400-1G1	DA-F-12.5-3	12,500 / 5670	71.5 / 1816.1	3.74 / 96.0	19,500 / 8845		
	400-1BF 400-1DB 400-1A7	DA-F-13.3-3	13,300 / 6033	69.0 / 1752.6 69.0 / 1752.6 71.5 / 1816.1	3.50 / 88.0 5.00 / 127.0 3.74 / 96.0	19,000 / 8618		
	400-1BG 400-1DC 400-1A8 400-1EH	DA-F-14.7-3	14,700 / 6667	69.0 / 1752.6 69.0 / 1752.6 71.5 / 1816.1 71.5 / 1816.1	3.50 / 88.0 5.00 / 127.0 3.74 / 96.0 5.00 / 127.0	18,500 / 8391		
	MODEL 5	400-1A9	DA-F-16.0-5	16,000 / 7257	71.0 / 1803.4	3.74 / 96.0		
400-1BA		DA-F-18.0-5	18,000 / 8165	28,000 / 12,701				
400-1BB		DA-F-20.0-5	20,000 / 9072	27,000 / 12,247				
MODEL 5 HD	400-1H2*	DA-F-23.0-5	23,000 / 10,431	71.0 / 1803.4	3.74 / 96.0	30,000 / 13,608 (20k Rating)	45°	2.13 / 54.0
						29,000 / 13,154 (21k Rating)		
						28,000 / 12,701 (22k Rating)		
						27,000 / 12,247 (23k Rating)		

Application Guidelines:

- Please contact your component sales representative for details on application guidelines and application approval.
- Applications using a liftable axle (Pusher or Tag) will require application review.
- Allowable creep load rating depends on application and vehicle configuration.
- 5 miles per hour maximum speed with liftable axles raised. This condition should not exceed 5% of the total operating miles of the vehicle.
- Available for all vocational codes (A85-XXX), except for military applications (A85-039).

*23k Axle—Derate to be defined by Customer Application Engineering (CAE)

¹ Gross Axle Weight Rating

² Standard application—may vary with different configurations

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