



DETROIT™ STEER AXLES

TECHNICAL SPECIFICATIONS

WEIGHT RATINGS **6,000-20,000 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 55-degree wheel cut for added maneuverability on Models 2 and 3.



Needle bearings provide greater reliability.



Up to 45-degree wheel cut for added maneuverability on Model 5.

UNDERSTANDING A MODEL CODE

EXAMPLE:

DA-F-12.0-3

Model Number
Weight Rating (x 1,000 lb.)
Front
Detroit Axles

Detroit Steer Axle Specifications

	DATA CODE	MODEL CODE	GAWR ¹ (LB / KG)	KING PIN INTERSECTION (IN / MM)	AXLE BEAM DROP (IN / MM)	MAX. WHEEL-CUT ANGLE	KING PIN DIAMETER (IN / MM)			
MODEL 2	400-1C9	DA-F-6.0-2	6,000 / 2,721	65.2 / 1656.1	3.74 / 96.0	55°	1.77 / 45.0			
	400-1DW 400-1BC	DA-F-8.0-2	8,000 / 3,628	65.2 / 1656.1 68.0 / 1727.2						
	400-1EW	DA-F-8.0-3	8,000 / 3,628	71.5 / 1816.1						
MODEL 3	400-1BD 400-1A5 400-1EF	DA-F-10.0-3	10,000 / 4,535	69.0 / 1752.6 71.5 / 1816.1 71.5 / 1816.1	3.50 / 88.0 3.74 / 96.0 5.00 / 127.0	55°	1.77 / 45.0			
	400-1BE 400-1DA 400-1A6 400-1ED	DA-F-12.0-3	12,000 / 5,442	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					
	400-1G1	DA-F-12.5-3	12,500 / 5,670	71.5 / 1816.1	3.74 / 96.0					
	400-1D9 400-1EA	DA-F-13.0-3	13,000 / 5,896	69.0 / 1752.6 71.5 / 1816.1	3.50 / 88.0 3.74 / 96.0					
	400-1BF 400-1DB 400-1A7 400-1EH	DA-F-13.3-3	13,300 / 6,033	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					
	400-1BG 400-1DC 400-1A8 400-1EH	DA-F-14.7-3	14,700 / 6,667	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					
	MODEL 5	400-1A9	DA-F-16.0-5	16,000 / 7,257	71.0 / 1803.4			3.74 / 96.0	45°	2.13 / 54.0
		400-1BA	DA-F-18.0-5	18,000 / 8,165						
		400-1BB	DA-F-20.0-5	20,000 / 9,072						

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 is depending 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)

1- Gross Axle Weight Rating

Note: Consult your local dealer representative for complete listing of available steer axle configurations.

1-800-445-1980 • DEMANDDETROIT.COM



DDC-EMC-FLY-0012-1011. Specifications are subject to change without notice. Detroit Diesel Corporation is registered to ISO 9001:2008. Copyright © Detroit Diesel Corporation. All rights reserved. Detroit Diesel Corporation is a Daimler company.



DETROIT
DEMAND PERFORMANCE™