



OVERVIEW

AxleTech's new front steer axles are engineered to meet the increasing demands of heavy haul off-highway specialty truck applications. Our lightweight design includes premium e-coated brake shoes, a robust king pin system for greater strength and durability, and an optional double drop for configurations with low engine position. Our front steer axles are available with axle weight ratings ranging from 12,000 lb (5.4 T) up to 20,000 lb (9.1 T).

FEATURES AND BENEFITS

Designed for long haul	Front axles deliver industry-leading durability and reliability.
Lightweight and rugged beam	Our design includes heat treated tubing for the lightest weight axle in the industry.
Low cost of ownership	Built with industry-standard wheel ends and brakes keep routine maintenance costs down, and extends periods between routine service.
Improved tire life	With a stiffer cross section, deflection is reduced to provide longer tire life.
Flexibility to meet specifications	Our beam axle manufacturing allows for flexibility including different track and beam drop dimensions to fit vehicle specifications.

TECHNICAL SPECIFICATIONS

Model	FS12	FS14	FS18	FS20	FS25
GAWR lb (tonnes)	12,000 (5.4)	14,600 (6.6)	18,000 (8.2)	20,000 (9.1)	25,600 (11.6)
Track in (mm)	80.24 (2,038.1)	80.24 (2,038.1)	80.24 (2,038.1)	80.24 (2,038.1)	98.8 (2,509.5)
KPI in (mm)	70.08 (1,780)	70.08 (1,780)	70.08 (1,780)	70.08 (1,780)	68.9 (1,750.1)
Mounting centers in (mm)	35.0 (889)	35.0 (889)	35.0 (889)	35.0 (889)	31.3 (795)
Beam drop in (mm)	4.1 (104)	4.1 (104)	4.1 (104)	4.1 (104)	1.5 (38.1)
Maximum steering angle	52° to 55°	52° to 55°	52° to 55°	52° to 55°	41°
King pin angle	6°	6°	6°	6°	5.75°
King pin diameter in (mm)	1.79 (45.5)	1.79 (45.5)	2 (50.8)	2 (50.8)	2 (50.8)
Tie rod diameter in (mm)	1.77 (45)	1.77 (45)	1.97 (50)	1.97 (50)	2 (50.8)
Brake size in (mm)	16.5 (419.1) x 6 (152.4), or 16.5 (419.1) x 5 (127) optional	16.5 (419.1) x 6 (152.4), or 16.5 (419.1) x 5 (127) optional	16.5 (419.1) x 6 (152.4)	16.5 (419.1) x 6 (152.4)	16.5 (419.1) x 6 (152.4)
Disc brake	Optional	Optional	Optional	Optional	N/A
Wheel mount in (mm)	11.25 (285.75) - 10 studs	11.25 (285.75) - 10 studs	11.25 (285.75) - 10 studs	11.25 (285.75) - 10 studs	11.3 (286) - stud piloted, 10 stud / 13.2 (335) - hub piloted, 10 stud

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