



OVERVIEW

AxleTech's new 8000 Series single reduction rear drive axles are designed for a wide range of off-highway, light to heavy-haul specialty trucks. Our 8000 Series single reduction drive axles are available in single axle configurations with axle weight ratings up to 36,000 lb (16.3 T). Axles are available with drum or disc brake options, an overall axle ratio range of 2.18 to 6.83, and multiple track widths to meet vehicle specifications.

FEATURES AND BENEFITS

Hypoid gears

Hypoid gears are designed with a larger diameter and face width than standard gear designs for extra strength. Optional ground gears are available for lower noise levels.

Differential gears

Differential gears are precision forged for maximum strength.

Robust housing

The robust housing design incorporates a strong box section and automated welding for greater consistency and quality.

Axle shafts

Axle shafts are induction hardened with rolled splines, and are designed with a large diameter for strength and durability.

Modular design

The modular design includes a range of different brake options, ratios, and track widths.

TECHNICAL SPECIFICATIONS

Model	AS-30-18X	AS-36-18X
Axle configuration	Single	Single
GAWR lb (tonnes)	30,000 (13.6)	36,000 (16.3)
GCWR lb (tonnes)	132,000 (59.9)	132,000 (59.9)
Track in (mm)	70.9 (1,801) / 74.0 (1,880)	70.9 (1,801) / 74.0 (1,880)
Mounting centers in (mm)	37.4 (950) to 40.9 (1,039)	37.4 (950) to 40.9 (1,039)
Housing material	Fabricated	Fabricated
Housing box section in (mm)	6.30 (160) x 6.30 (160)	6.30 (160) x 6.30 (160)
Housing wall thickness in (mm)	0.55 (13.97)	0.63 (16)
Housing friction weld in (mm)	5.91 (150)	5.91 (150)
Brakes in (mm)	16.5 (419) x 8.62 (219) Drum, 22.5 (571.5) Disc (optional)	16.5 (419) x 8.62 (219) Drum, 22.5 (571.5) Disc (optional)
Ratios	2.18 - 6.83	2.18 - 6.83
Ring gear diameter in (mm)	20.1 (510.5)	20.1 (510.5)
Gear face width in (mm)	3.5 (88.9)	3.5 (88.9)
Wheel mount in (mm)	10 stud- 13.2 BC (335)	10 stud- 13.2 BC (335)
ABS compatibility	Option available	Option available
Applications	Snow plow trucks, salt spreaders	Oil delivery trucks, heavy haul trucks

HEADQUARTERS

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