

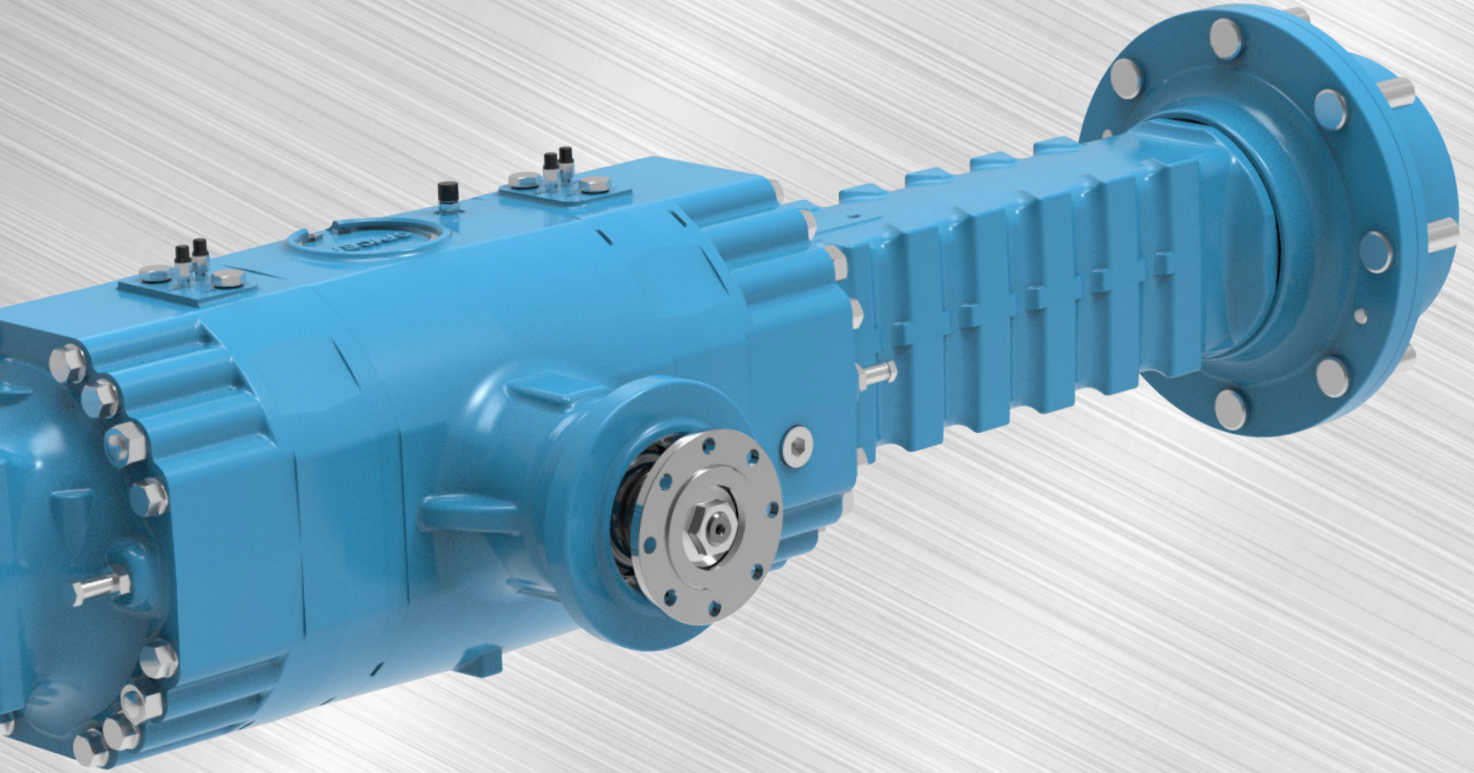


SPICER®

Drivetrain Systems

Spicer® 112

Planetary Non-Steering Axle



Engineered for a **variety of off-highway applications** based on a **proven modular design approach**.

Spicer® 112

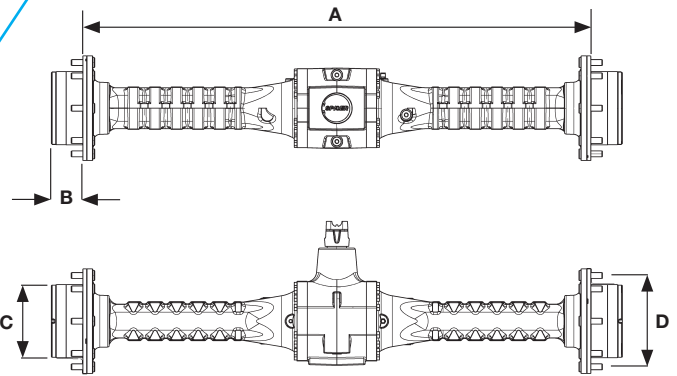
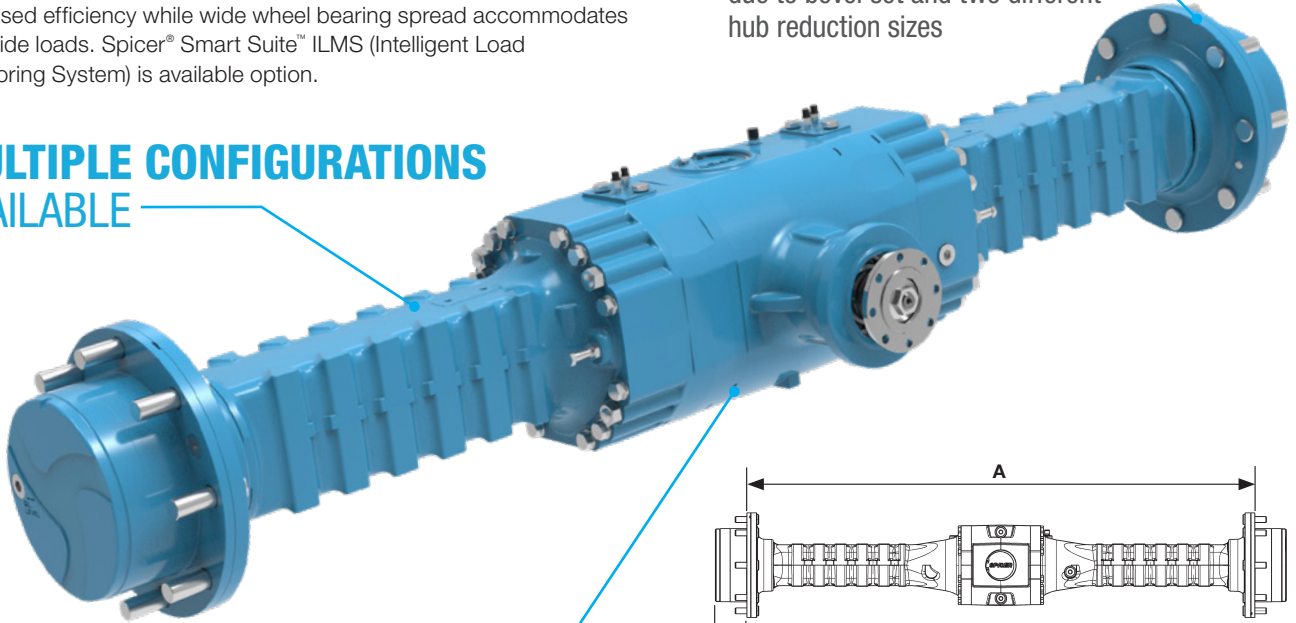
Planetary Non-Steering Axle

The Spicer® 112 rigid planetary axle is maintenance-free with a robust design, providing superior reliability to construction vehicles. The spiral bevel gearing results in high-reverse torsional capability and increased efficiency while wide wheel bearing spread accommodates high side loads. Spicer® Smart Suite™ ILMS (Intelligent Load Monitoring System) is available option.

MULTIPLE CONFIGURATIONS AVAILABLE

SUITABLE FOR HYDROSTATIC, HYDRODYNAMIC AND ELECTRIC DRIVELINE

WIDE RANGE OF RATIOS AVAILABLE
due to bevel set and two different hub reduction sizes



Technical Data	
Planetary Reduction Ratio	1:6.000, 1:6.923
Bevel Set Ratios	1:1.821, 1:2.040, 1:2.133, 1:2.285, 1:2.461, 1:2.571, 1:2.818, 1:3.222, 1:3.444, 1:3.500, 1:3.625, 1:3.875, 1:4.125, 1:4.375
Maximum Output Torque (Nm)	34000 with 1:6.000 40000 with 1:6.923
Load Capacity (daN); Static	16000
Load Capacity (daN); Dynamic	8000

Installation Dimensions (mm)	
A – Flange to Flange	1400, 1660, 1790, 1920, 2050
B – Planetary Hub Length	from 95 to 128
C – Wheel Pilot Diameter	220.45 or 279
D – Wheel Bolt Circle Diameter	275 or 335

Design Features	
Axle Mounting	Pad, Trunnion, TP Clevis, TP Tunnel
Input Flange Options	Hydrostatic Motor, DIN 100 / 120, Mechanics 5C, End Yoke 1410/1480, SAE 1410, SAE 1410 with 603 Dropbox
Double Reduction Planetary Wheel End	Bevel set in center section and final hub reduction at wheels
Service Brakes	6-disc dual brake (wet discs brake integrated), 8-disc dual brake (wet discs brake integrated), dry disc caliper
Differential Options	Open, Limited Slip 45%, 100% Lock
Flanged Dropbox Options	305, 311, 603

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Application Policy
Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.



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