

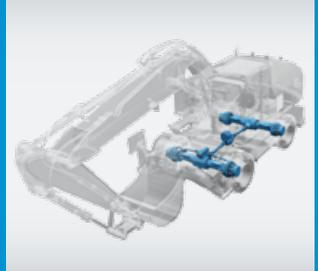
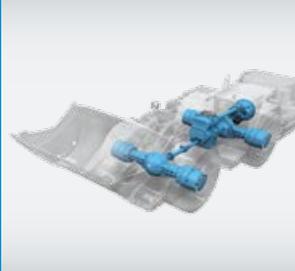
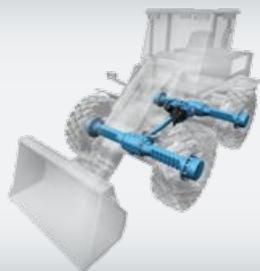
Spicer® Model 112/112HD/112WE Rigid Planetary Axle



SPICER®
Off-Highway Systems

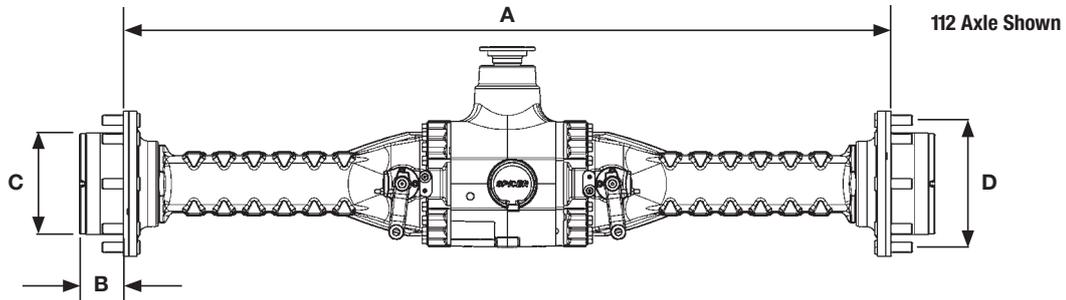


High reverse torsional capability
and increased efficiency



Spicer® Model 112/112HD/112WE Rigid Planetary Axle

The Spicer® Model 112 rigid planetary axle family 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.



Design Features	112	112HD	112WE
Axle Mounting	Rigid, trunnion, TP clevis	Rigid, trunnion, TP clevis	Rigid, trunnion, TP clevis
Input Flange Options	Hydrostatic motor, DIN 100/120, SAE 1410, Mechanics 5C, end yoke 1410/1480	Hydrostatic motor, DIN 100/120, SAE 1410, Mechanics 5C, end yoke 1410/1480	Hydrostatic motor, DIN 100/120, SAE 1410, Mechanics 5C, end yoke 1410/1480
Double Reduction Planetary Wheel End	Bevel set in center section and final hub reduction at wheels	Bevel set in center section and final hub reduction at wheels	Bevel set in center section and final hub reduction at wheels
Service Brakes	4, 6 or 8 Discs	4, 6 or 8 Discs	4, 6 or 8 Discs
Differential Options	Open, limited slip 45%, 100% lock, no spin	Open, limited slip 45%, 100% lock, no spin	Open, limited slip 45%, 100% lock, no spin
Installation Dimensions (mm)	112	112HD	112WE
A – Flange to Flange	1400, 1530, 1660, 1790 or 1920	1400, 1660, 1790, 1920 or 2050	1920
B – Planetary Hub Length	95	128.5	95
C – Wheel Pilot Diameter	220.45 or 280.8	220.45 or 280.8	280.8
D – Wheel Bolt Circle Diameter	275 or 335	275 or 335	335
Technical Data	112	112HD	112WE
Planetary Reduction Ratio	1:6.000	1:6.000	1:6.000
Bevel Set Ratios	1:2.133, 1:2.286, 1:2.571, 1:2.818, 1:2.917, 1:3.091, 1:3.182, 1:3.444, 1:3.556, 1:3.778, 1:3.875, 1:4.125, 1:4.375	1:2.133, 1:2.286, 1:2.571, 1:2.818, 1:2.917, 1:3.091, 1:3.182, 1:3.444, 1:3.556, 1:3.778, 1:3.875, 1:4.125, 1:4.375	1:2.133, 1:2.286, 1:2.571, 1:2.818, 1:2.917, 1:3.091, 1:3.182, 1:3.444, 1:3.556, 1:3.778, 1:3.875, 1:4.125, 1:4.375
Maximum Output Torque (daNm)	3400	3800	3800
Load Capacity (Kg); Static	16000	18000	18000
Load Capacity (Kg); Dynamic	8000	9000	9000

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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.