

# Full-System Solutions for Rough Terrain Crane

OEMs and operators can rely on Dana to deliver premium drivetrain products, with over 50-year history of developing successful rough-terrain crane applications. Our full line of Spicer® and Brevini® solutions features the latest technologies to keep rough-terrain cranes running efficiently and reliably, even in the most demanding environments.



## Spicer® Planetary Steering Axles

State-of-the-art design offers structural integrity  
Robust modular axle platforms leveraging proven components  
2 or 4 caliper dry disc brakes per axle  
Viton® rotating radial lip seals ensure high-integrity sealing



## Spicer® Hydrodynamic Transmissions

Lift capacities up to 120 tonnes  
Flexible options for performance, layout, and controls  
Full reversing range shift and full powershift options  
Exclusive gear ratios significantly improve gradability and travel speed  
Multiple mounting configuration: Integral, Mid-mount and Remote



## Spicer® Torque Converters

Designed for reliability in many off-highway applications  
Offer flexible options to match most engine requirements  
Engineered to maximize machine performance and efficiency  
Can be matched to Spicer remote transmissions



## Spicer® Driveshafts

A century of quality and innovation  
Ideal for the rigorous demand of most off-highway applications  
Multiple driveshaft and end-fitting combinations  
Designed for minimal maintenance, longer life and reduced operating cost



## Brevini® Slewing Drives

Designed for a variety of Off-Highway applications  
Several sizes, with different output torques up to 40 kNm  
Compact design delivers high performances and zero noise operations  
Available in a wide range of brake settings  
Integer shaft as well as loose pinions available



## Brevini® Evolution™ Series Winches BWE

Line pull up to 16 Tons  
High speed axial piston motor variable displacement  
Wide range of safety controls available  
Motordrum option available  
Embedded torque sensor



## Brevini® Proportional Directional Valve HPV Series

Wide range: regulated flow up to 600l/m – 370 bar working pressure  
High flexibility with valve and block combinations  
Remote, electronic operation  
Smooth control to improve work function performance  
Available with MSB CANbus module



## Spicer® Electronic Controls

Enables communication between driveline components  
Best-in-class controls optimize productivity, maximize life, and reduce maintenance  
Support for OEM movement in digitalization and automation  
Individual functional controls  
Capability to combine drive and motion on one platform

