

Rough-Terrain Cranes

Drivetrain System Solutions

Transmissions | Controls | Driveshafts | Axles



SPICER®

Off-Highway Systems



Construction



Agriculture



Mining



Forestry



Material Handling

Spicer® Drivetrain Systems for Rough-Terrain Cranes

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



Spicer® Transmissions

With lift capacities through 132 tons (120 tonnes), our transmissions feature a range of customization options and design flexibility for optimal performance under any conditions. Exclusive Dana gear ratios also significantly improve gradability and travel speed.

Mounting Configurations:

- Integral
- Mid-mount
- Remote
 - Stand-alone converter assembly

Shift Options:

- Range shift offers maximum gradability
 - Full reversing (6x6)
 - Standstill shifting between high and low ranges
 - Facilitates optimal axle solution: Low numerical ratio, left-hand or right-hand ring gear, Longest life
- Full powershift for nominal gradability
 - All speeds hydrodynamic
 - 6 forward x 3 reverse

Spicer® Axles

After years of successful field application experience in severe environments, Dana has developed three, robust axle platforms. State-of-the-art design tools, rigorous program management, and comprehensive testing ensure efficient, reliable field performance.

Specifications:

- 2 or 4 caliper dry disc brake per axle (Meets or exceeds ASME B30.5 specification)
- Viton® rotating radial lip seals for highest sealing integrity
Viton is a registered trademark of DuPont Performance Elastomers LLC.
- Straight tie rods
- All components designed for severe applications
- Industry standard, metric wheel attachment
- 29° maximum steer angle with low Ackerman steer angle error

Spicer® Driveshafts

Backed by more than a century of expertise, Dana engineers the most heavy-duty driveshafts for the off-highway market to handle rough terrains, heavy loads, and added input torque for increased productivity and reduced operating costs.

Spicer® Electronic Controls

Spicer electronic controls provide electronically controlled modulation and inching, and safety inhibit protection to engage, lift, and transport heavy loads. They have been developed to provide safe, finite control of the vehicle. This is accomplished through complete integration of the vehicle engine, brakes, transmission, and hydraulic controls.

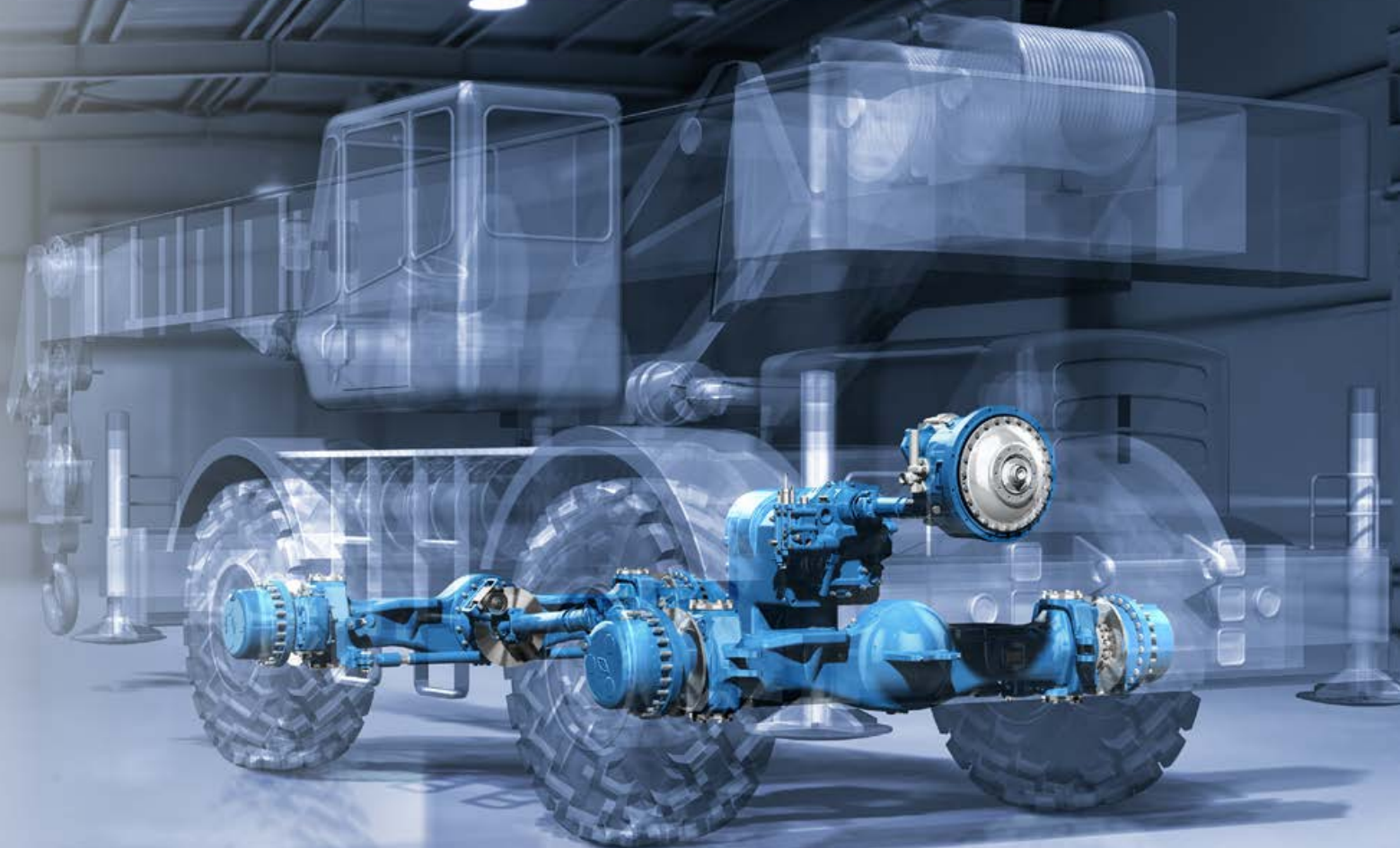


APC300
Electronic Controller

Lift Capacity	Spicer® Drivetrain System Solutions			
	Tons (Tonnes)	Transmission	Torque Converter	Spicer® Wing® Series Driveshaft
Up to 30 (25)	T20000	C330	223, 213	5C, 6C
Up to 50 (45)	TE14* T24000, TMG14	C330	245	5C, 6C
55-110 (50-100)	TE14*, TMG14	C330	246	7C, 8.5C
110-132 (100-120)	TE14*, 36000	C330, C5000	247	8.5C

*Also available as T14

Dana provides drivetrain solutions for rough-terrain cranes with a wide range of lift capacities.



Spicer® TE14 Hydrodynamic Transmission – Long Drop

Offering the widest range of technology options to improve efficiency at every level. Based on specific customer requirements, Dana can customize the transmission to meet exacting standards and performance needs.



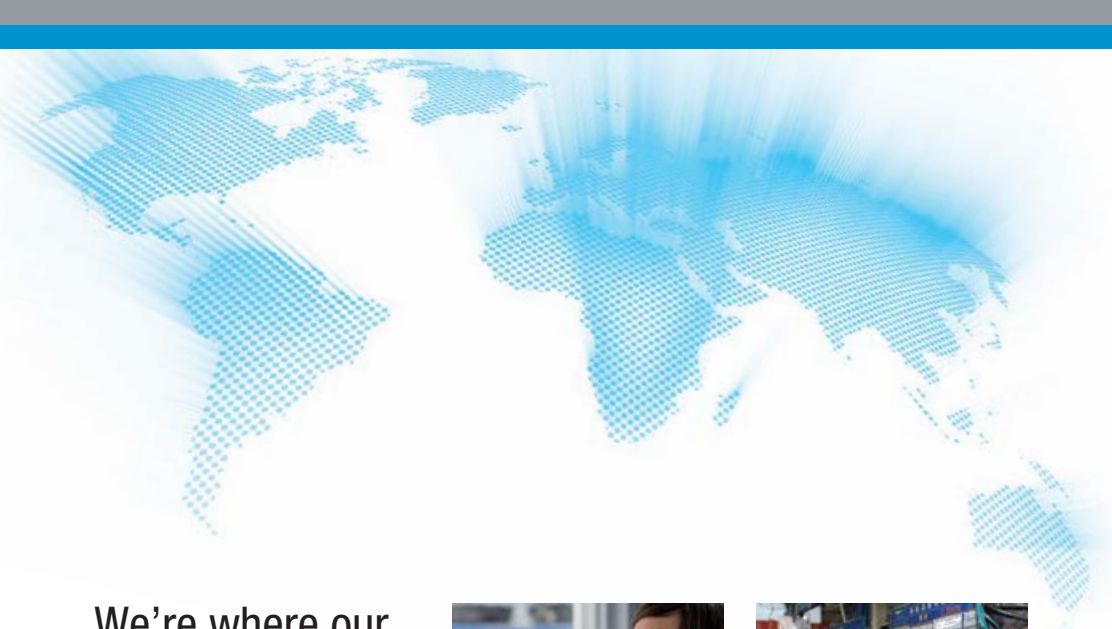
Spicer® C330 Torque Converter

Designed for material-handling and tow tractor applications, this converter can handle engines up to 260 horsepower and can be matched to Spicer remote transmissions.



Spicer® 246 Planetary Rigid Steering Axle

Manufactured in Wuxi, China, this series of steer axles offers structural integrity in all pick-and-carry applications.



We're where our customers are and where they're going.



Dana Global Replacement Parts and Service

Dana operates global service parts distribution centers and more than 60 authorized Spicer Service Centers for customers in more than 100 countries. This global presence ensures that you get local access to the parts and technical support you need. We also provide a single source for Long® thermal-management and Victor Reinz® sealing system replacement parts. Precision-engineered and rigorously tested, these genuine parts provide the reliable performance required to minimize downtime and costs.

Global Quality Standards

To consistently deliver world-class quality, Dana builds on our manufacturing excellence by employing global quality standards at every facility and technology center worldwide. Throughout all stages of product development, we integrate global resources and local expertise with rigorous process controls. This allows us to deliver identical products wherever our customers are located that meet and exceed standards set. Such a steadfast commitment to quality is one of the reasons why we are the supplier of choice for many world-leading off-highway OEMs.

Learn more about Dana's advanced drivetrain systems by visiting dana.com/offhighway.

About Dana Incorporated

Dana is a world leader in highly engineered solutions for improving the efficiency, performance, and sustainability of powered vehicles and machinery. Dana supports the passenger vehicle, commercial truck, off-highway, and industrial markets as well as industrial and stationary equipment applications. Founded in 1904, Dana employs thousands of people in 34 countries on six continents who are committed to delivering long-term value to customers.

About Dana Off-Highway Drive and Motion Systems

Dana delivers fully optimized drivetrain systems, power-transmission and fluid-power technologies, as well as individual product solutions to customers in construction, agriculture, industrial, material-handling, underground-mining, and forestry markets. Dana brings global expertise to the local level with technologies customized to individual requirements through a network of strategically located technology centers, manufacturing locations, and distribution facilities.

dana.com/oh/contact



SPICER®

Off-Highway Systems

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.