

Off-Highway Driveshafts



Driveshafts

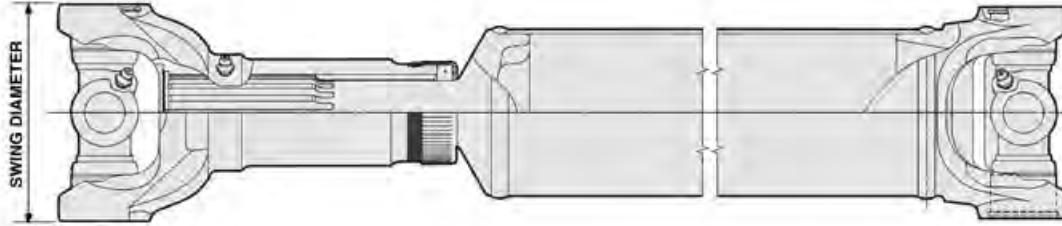
10™ Series

10 Series driveshafts have been an industry standard for more than 50 years and are ideal for the rigorous demands of most mobile off-highway applications. The 10 Series offers driveshafts with torque capacities

up to 15,700 Nm. Larger capacities previously available in this series are now offered by Life Series® driveshafts. This ensures MSI has the right driveshaft to fit all your off-highway needs.

Design Features

- Extended Spline Life
- Reduced Thrust Load under Pressure
- Lower Friction under Load
- Superior Needle Bearing Retention
- Easy to Service Universal Joints



Driveshaft Series	Functional Torque Limit		Swing Diameter	
	Ft.-Lb.	Nm	Inches	mm
1310	1,500	2,000	4.000	101.6
1350	2,500	3,400	4.560	115.8
1410	2,600	3,600	4.940	125.5
1480	4,000	5,500	5.310	134.9
1550	5,100	7,000	6.000	152.4
1610	Use Spicer Life Series (SPL 100)			
1710	11,500	15,700	7.880	200.2
1760	Use Spicer Life Series (SPL 170)			
1810	Use Spicer Life Series (SPL 250)			
1810HD	Use Spicer Life Series (SPL 250 or SPL 250HD)			
1880	Use Spicer Wing Bearing (9C and above)			
	Use Spicer Compact 2000 (2060 or SPL 2065)			

For additional configurations, contact MSI for specific application information.

Available on Request

- Paint
- Special Types
- DIN Flanges
- SAE Flanges
- Extended Lubrication
- Permanent Lubrication

Definition of Functional Torque Limit: The torque to which the driveshaft can be loaded without yielding or creating plastic deformation of any of the parts that adversely affect the driveshaft kinematics or durability.

Driveshafts

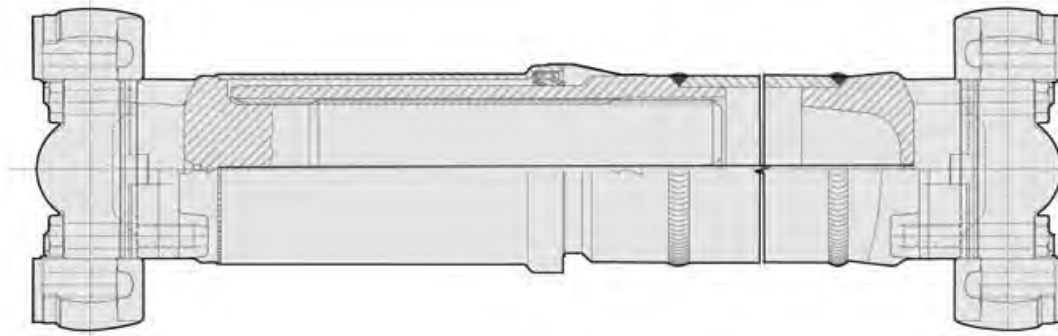
Wing™ Series

Wing-bearing style driveshafts are designed for longer life, minimal maintenance, and lower operating cost. MSI is capable of offering the most comprehensive range of wing-style driveshafts today. With torque

capacities ranging from 1,500 to more than 120,000 Nm and lubrication packages from extended to permanently lubricated, MSI has the right driveshaft to fit all your off-highway needs.

Design Features

- Sealed Slip Spline System
- Triple-Lip Seal, Thrust Washer, and Seal Guard Package
- Reduced Maintenance
- Increased Torque Capacity



Driveshaft Series	Functional Torque Limit	Swing Diameter
	Nm	mm
2C	1,500	87.0
4C	3,300	116.0
5C	5,600	123.0
6C	7,200	150.0
7C	10,700	158.0
8C	15,500	216.0
8.5C	20,300	175.0
9C	27,400	223.0
10C	39,700	225.0
11C	41,600	235.0
12C	62,200	301.0
12.5C	63,000	295.0
14.5C	108,000	326.0
15C	75,400	273.0
14C	120,600	360.0

For additional configurations, contact MSI for specific application information.

Available on Request

- Paint
- Special Types
- Permanent Lubrication for High and Low Temperatures

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Driveshafts

Life Series®

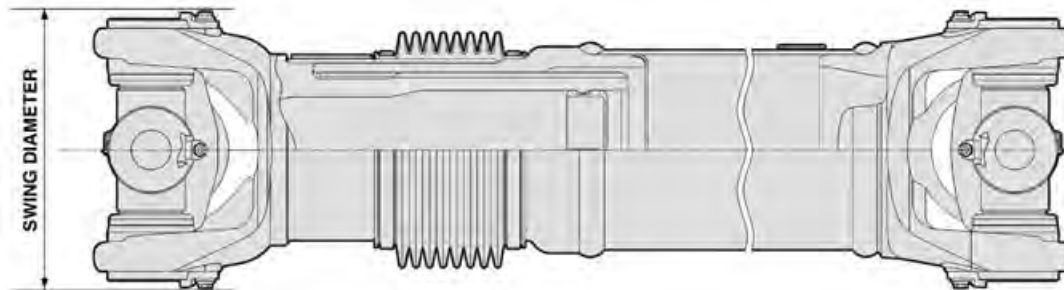
As with the 10™ Series, the Life Series driveshafts offer features such as longer life, reduced maintenance, and Quick Disconnect™ end yokes that can provide operating benefits to our customers.

With torque capacities ranging from 5,500 to more than 25,000 Nm, MSI has the right driveshaft to fit all your on- and off-highway needs.

Design Features

- Larger Diameter Slip Member with Longer Splines
- Two Boot Options: Thermoplastic Hytrel® or Seal Can Style
- Smaller Swing Diameter
- Centrally Located Grease Fitting
- Permanently Lubricated Slip Spline
- Increased Torque Capacity

Hytrel is a registered trademark of DuPont.



Driveshaft Series	Functional Torque Limit	Swing Diameter
	Nm	mm
SPL55	5,500	134.9
SPL70	7,000	152.4
SPL100	10,000	154.0
SPL140	12,000	194.0
SPL140 HD	14,000	194.0
SPL170	17,000	193.0
SPL250	22,000	193.0
SPL250 HD	25,500	193.0

For additional configurations, contact MSI for specific application information.

Available on Request

- Paint
- Special Types
- DIN Flanges
- SAE Flanges
- Extended Lubrication
- Permanent Lubrication

Definition of Functional Torque Limit: The torque to which the driveshaft can be loaded without yielding or creating plastic deformation of any of the parts that adversely affect the driveshaft kinematics or durability.