Spicer® Heavy-Duty SPL® Series
Main Driveshaft and Inter-Axle Shaft
Engineered to supply greater torque, durability, and savings for severe-duty and low-emission, high-efficiency trucks.
SPL® 170, SPL® 250, SPL® 350 Driveshaft

The most robust and efficient family of heavy-duty driveshafts and inter-axle shafts in their class, these innovative products eliminate restrictions on engine speeds and torque to support the fastest axle ratios in today's vehicles.
Engineering Driveshafts for Lower RPMs

The movement toward engine downspeeding has been accelerating since the first fuel-efficiency standards for new heavy-duty trucks were issued, and these efforts have intensified as OEMs and fleet managers continue to demand maximum vehicle performance.

While engine downspeeding offers increased fuel economy and decreased emissions, the faster axle ratios needed to accommodate the lower RPMs result in additional torque in the drivetrain, placing much higher stresses on the main driveshaft, axles, and inter-axle shaft.


Spicer Life® Series U-Joints and Driveshafts

The Spicer® family of heavy-duty U-joints extends the life of the drivetrain and can eliminate restrictions on engine speed and torque in today’s Class 8 linehaul and vocational vehicles. No other U-joints are better equipped to meet the needs of today’s high-efficiency trucks with such long-term reliability.

Dana’s SPL® Series of U-joints are equipped with High Power Density™ (HPD™) features which deliver higher torque, a smaller package, and a longer life while working with the entire powertrain system to maximize reliability and efficiency. Spicer driveshafts also feature a service-free option to save you money and add convenience.

The SPL® 170, SPL® 250, and SPL® 350 U-Joints from HIGHEST TORQUE CAPACITY IN THE

| SPL® 170 | Torque capacity: 12,538 ft.-lb. [17,000 Nm] |
| SPL® 250 | Torque capacity: 18,439 ft.-lb. [25,000 Nm] |

Benefits:
- 40% more torque carrying capacity
- Service-free option provides a maintenance-free product
- Completely interchangeable with relubeable products to reduce service parts
- Smaller packaging allows for greater flexibility among driveshaft configurations
- Industry leader providing broadest range of products to meet your requirements
SPL® 350 U-Joint Puts the Life into Downspeeding Applications

The right driveshaft and inter-axle shafts with robust and durable components can handle the added input torque with even greater reliability. That’s why Dana engineered the Spicer Life® Series with an exclusive design that accommodates faster axle ratios without sacrificing life.

Features and Options

- U-joints are engineered to extend bearing life and offer superior performance.
- Optional permanently lubricated U-joint with extended warranty requires no lubrication for the life of the product.
- Permanently lubricated slip spline protects against contaminants and eliminates maintenance.
- Increased tube diameter and decreased wall thickness offer greater strength without the weight, enabling greater load capacity.

SPL® 350
Torque capacity: 25,815 ft.-lb. [35,000 Nm]
Spicer Life® Series Heavy-Duty Driveshafts Specifications

![Spicer Life® Series Heavy-Duty Driveshaft and Inter-Axle Shaft](image)

**Spicer® Heavy-Duty SPL® Main Driveshaft and Inter-Axle Shaft**

<table>
<thead>
<tr>
<th>Driveshaft Assembly Part Number</th>
<th>Minimum Length Collapsed Centerline to Centerline of Cross “A”</th>
<th>Slip Joint End</th>
<th>Tight Joint End</th>
<th>U-Joint Span “F”</th>
<th>Bearing Cup Diameter “G”</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>Tube Size</td>
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<tr>
<td>SPL®140 140DS55007</td>
<td>430</td>
<td>16.93</td>
<td>110</td>
<td>4.33</td>
<td>25°</td>
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<td>SPL®140HD 140DS55001</td>
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<td>17.34</td>
<td>110</td>
<td>4.33</td>
<td>25°</td>
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<tr>
<td>SPL®170HD 170DS55007C 170DS55007F</td>
<td>440</td>
<td>17.34</td>
<td>110</td>
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<td>25°</td>
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<tr>
<td>SPL®170XL 170AXS5010C 170AXS5010F</td>
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<td>SPL®250 250DS55007C 250DS55007F</td>
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<td>25°</td>
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<td>19.01</td>
<td>110</td>
<td>4.33</td>
<td>15°</td>
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</table>

For additional configurations, contact Spicer Driveshaft Engineering for specific application information.

**Lubrication Intervals – Linehaul**

<table>
<thead>
<tr>
<th>Spicer Life XL® Heavy-Duty (SPL®170XL, SPL®250XL, SPL®350XL)</th>
<th>First Lubrication Cycle</th>
<th>Relubrication Cycle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 350,000 mi (560,000 km) or 3 years</td>
<td>Up to 100,000 mi (160,000 km) or 6 months</td>
<td></td>
</tr>
</tbody>
</table>

*Information is subject to change. Please consult Lubrication Guide LM072012 for all applications.

**Warranty Information**

Contact your OEM for warranty coverage

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**Dana Commercial Vehicle Driveline Technologies**

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Maumee, Ohio, USA 43537
www.dana.com/cv

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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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