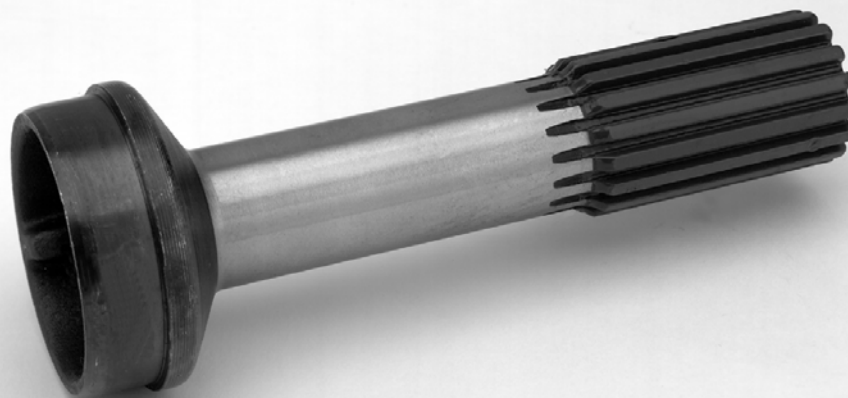


# ***ROCKFORD***

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## ***Drive Line***

### ***Splined Stubs***



***Standard, Midship & Extreme Travel***

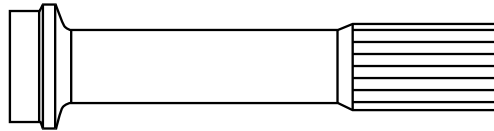
MANUFACTURER OF DRIVELINE COMPONENTS  
1500 11TH AVENUE ROCKFORD, ILLINOIS 61104  
PHONE (815) 962-1411 FAX (815) 965-4857  
[RockfordDriveLine.com](http://RockfordDriveLine.com)

# How to Use This Section

Determine which type of splined stub shaft you have. Rockford offers slip style splined stub shafts & midship style splined stub shafts. If you have a midship style shaft you will need to determine if it is used with a slip yoke, companion flange or end yoke. This can be identified by referring to the illustrations and descriptions at the top of each page.

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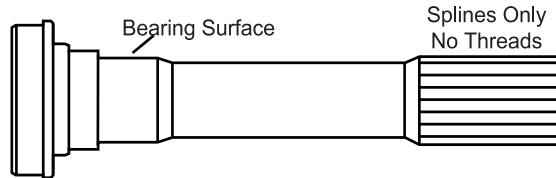
## Stub Shafts (Slip Yoke Style)



Slip style splined stub shafts do not have a machined bearing diameter required for center bearing assemblies.

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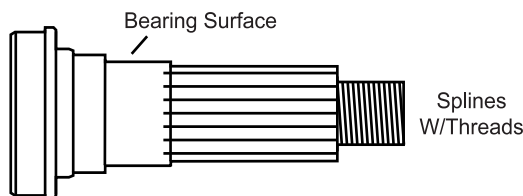
## Midship Stub Shafts (Slip Yoke Style)



Midship stub shafts used with slip yokes have a machined bearing diameter required for center bearing assemblies and do not have threads at the end.

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## Midship Stub Shafts (Companion Flange or End Yoke Style)



Midship stub shafts used with companion flanges or end yokes have a machined bearing diameter required for center bearing assemblies and have threads at the end.

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1. Determine the spline O.D. - Stubs are sorted by the major diameter of the spline, this is shown in ***Bold Italics*** at the top of each listing for easy lookup.
  2. Determine the number of teeth - This is also shown in ***Bold Italics*** at the top of each listing.
  3. Determine the tube diameter & wall thickness or continue to step 4.
  4. Determine the butt diameter (**A**) by measuring the inside diameter of the tubing & adding .010".  
*Note: You are adding .010" to the inside diameter of the tube to achieve the press fit required between the tubing and stub shaft.*
  5. Measure the distance from the end of the spline to the weld (**B**).

End of spline to radius, length of spline, length of shoulder, shoulder diameter & thread sizes are also included for additional identification.

Spline dimensions are shown in ***Bold Italics*** in all sections for easy lookup - Bearing diameter is also shown to the far right on midship stub applications for quick referencing.

RDL Part Number	Fits Tube Diameter	Tube Wall Thickness	<b>A</b> Butt Diameter	<b>B</b> End of Spline to Weld	<b>C</b> End of Spline to Radius	<b>D</b> Length of Spline	Coating on Spline
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***2.500 - 16 Spline***

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R6-40-521	4.000	0.134	3.750	10.562	9.562	4.000	YES
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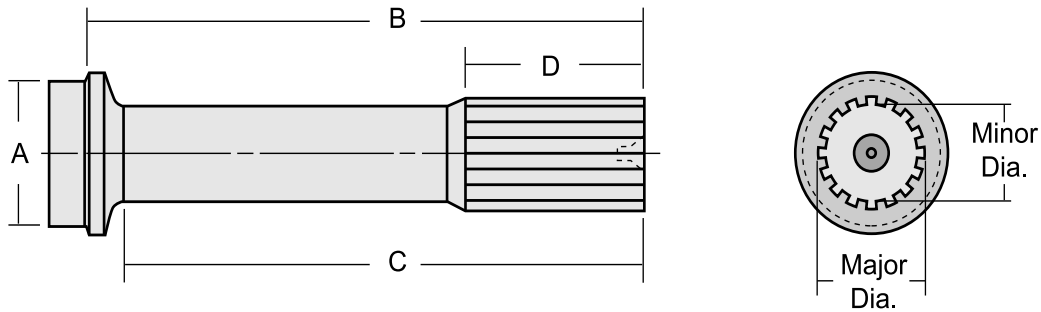
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**Notice: The data contained in this catalog has been thoroughly checked for accuracy, however we cannot assume any responsibility for errors, omissions or typographical mistakes that may appear.**

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# STUB SHAFTS (Slip Yoke Style)



RDL Part Number	Fits Tube Diameter	Tube Wall Thickness	A Butt Diameter	B End of Spline to Weld	C End of Spline to Radius	D Length of Spline	Coating on Spline
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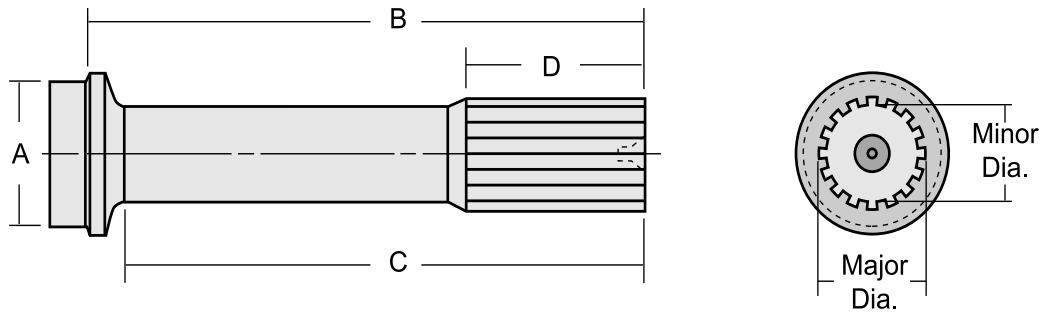
## 1.250 - 16 Spline

R2-40-1771	1.250	0.120	1.031	6.125	5.375	2.000	YES
R2-42-501	1.250	0.188	0.880	6.125	5.375	2.000	YES
R2-40-971	1.750	0.065	1.635	4.469	3.938	2.000	YES
R2-40-2241	1.750	0.095	1.566	6.000	5.406	2.000	YES
R2-40-1741	2.000	0.083	1.844	6.000	5.406	2.000	YES
R2-40-2381	2.000	0.120	1.766	6.000	5.406	2.000	YES
R2-40-2381A	2.000	0.125	1.756	6.000	5.406	2.000	YES
R2-40-2301	2.500	0.065	2.375	7.750	7.031	2.500	YES
R2-40-3127	2.500	0.083	2.344	7.750	7.031	2.500	YES

## 1.375 - 16 Spline

R2-40-3177	1.250	0.120	1.015	5.188	4.625	2.250	YES
R2-40-2741	1.750	0.095	1.566	6.688	6.125	2.250	YES
R2-40-2681	1.750	0.095	1.566	7.750	7.250	2.250	YES
R2-40-2681-2	1.750	0.095	1.566	7.750	7.250	FULL	YES
R2-40-1031	2.000	0.083	1.844	5.188	4.625	2.250	YES
R2-40-1841	2.000	0.083	1.844	6.562	6.000	2.125	YES
R2-40-2021	2.000	0.120	1.766	5.188	4.625	2.250	YES
R2-40-1701	2.000	0.120	1.766	6.188	5.625	2.250	YES
R2-40-1701-1	2.000	0.120	1.766	6.688	6.125	2.250	YES
R2-40-1701-3	2.000	0.120	1.766	7.750	7.250	2.250	YES
R2-40-1701-2	2.000	0.120	1.766	7.750	7.250	FULL	YES
R2-40-1811	2.500	0.065	2.375	6.344	5.625	2.250	YES
R2-40-1291	2.500	0.065	2.375	6.844	6.125	2.250	YES
R2-40-1711	2.500	0.083	2.344	6.344	5.625	2.250	YES
R2-40-1851	2.500	0.083	2.344	7.531	6.812	2.250	YES

# STUB SHAFTS (Slip Yoke Style)



RDL Part Number	Fits Tube Diameter	Tube Wall Thickness	A Butt Diameter	B End of Spline to Weld	C End of Spline to Radius	D Length of Spline	Coating on Spline
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## 1.375 - 16 Spline (cont.)

R2-40-3161	2.750	0.065	2.625	7.625	6.812	2.250	YES
R2-40-2321	2.750	0.065	2.625	12.750	12.250	2.250	YES
R2-40-2651	2.750	0.083	2.594	12.750	12.250	2.250	YES
R2-40-1221	3.000	0.065	2.875	6.438	5.625	2.250	YES
R2-40-2051	3.000	0.065	2.875	7.625	6.812	2.250	YES
R2-40-1521	3.000	0.083	2.844	6.438	5.625	2.250	YES
R2-40-2231	3.000	0.083	2.844	7.625	6.812	2.250	YES
R2-40-1871**	3.000	0.083	2.844	8.641	7.828	FULL	YES
R2-40-1671	3.500	0.065	3.375	6.625	5.625	2.250	YES
R2-40-1531	3.500	0.083	3.344	6.625	5.625	2.250	YES

## 1.375 - 31 Based on 32 Involute Spline

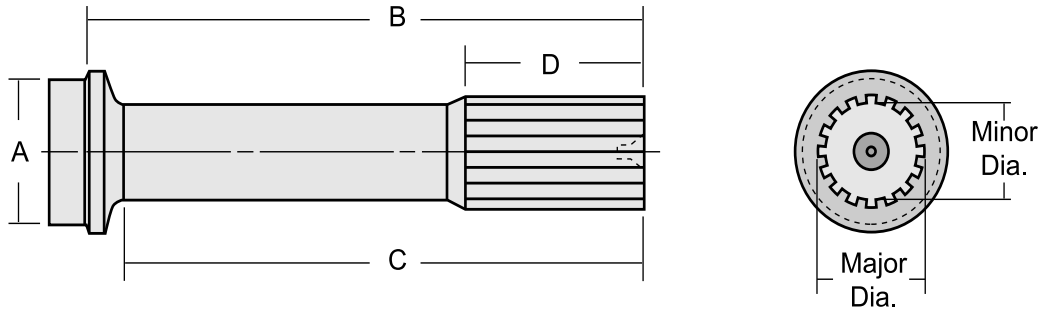
R2-40-1781	2.000	0.120	1.766	7.000	6.438	2.813	NO
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## 1.500 - 16 Spline

R3-40-1471**	2.500	0.083	2.344	5.625	4.938	2.500	YES
R3-40-3156	2.750	0.083	2.594	7.250	6.438	2.500	YES
R3-40-2131**	2.750	0.083	2.594	8.250	7.438	3.500	YES
R3-40-1101**	3.000	0.083	2.844	5.938	5.125	2.500	YES
R3-40-1611	3.000	0.083	2.844	7.250	6.438	2.500	YES
R3-40-1421	3.000	0.083	2.844	7.406	6.594	3.000	YES
R3-40-1531**	3.500	0.083	3.344	6.563	5.626	3.000	YES
R3-40-1621	3.500	0.083	3.344	7.344	6.406	2.500	YES
R3-40-1491	3.500	0.083	3.344	7.531	6.594	3.000	YES
R3-40-1541**	4.000	0.083	3.844	6.812	5.875	3.000	YES
R3-40-1281**	4.500	0.095	4.318	7.688	6.750	2.500	YES



# STUB SHAFTS (Slip Yoke Style)



RDL Part Number	Fits Tube Diameter	Tube Wall Thickness	A Butt Diameter	B End of Spline to Weld	C End of Spline to Radius	D Length of Spline	Coating on Spline
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## 1.563 - 16 Spline

R3-40-1571	3.500	0.083	3.344	6.750	5.812	3.000	YES
R3-40-1871	3.500	0.083	3.344	8.750	7.812	3.000	YES

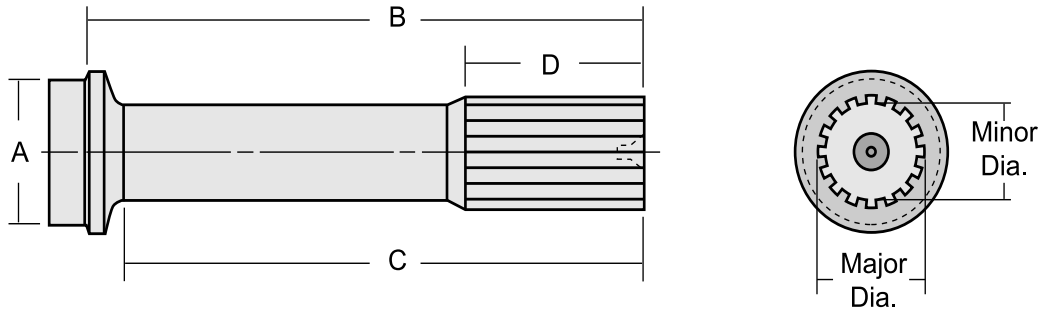
## 1.750 - 16 Spline

R4-40-3159	3.000	0.095	2.817	9.219	8.250	3.000	YES
R4-40-761	3.500	0.095	3.313	6.781	5.812	3.000	YES
R4-40-721	3.500	0.095	3.313	9.219	8.250	3.000	YES
R4-40-3135	3.500	0.134	3.234	6.781	5.812	3.000	YES
R4-40-3136	3.500	0.134	3.234	9.219	8.250	3.000	YES
R4-40-951	3.500	0.156	3.188	6.781	5.812	3.000	YES
R4-40-3137	3.500	0.156	3.188	9.219	8.250	3.000	YES

## 2.000 - 16 Spline

R5-40-501	3.500	0.095	3.313	9.562	8.656	3.500	YES
R5-40-1011	3.500	0.134	3.234	9.688	8.781	3.500	YES
R5-40-1041	3.500	0.134	3.234	10.188	9.281	3.500	YES
R5-40-1031	3.500	0.156	3.193	9.562	8.656	3.500	YES
R5-40-3139	3.500	0.156	3.193	10.188	9.281	3.500	YES
R5-40-1051	4.000	0.134	3.750	9.844	8.781	3.500	YES

# STUB SHAFTS (Slip Yoke Style)



RDL Part Number	Fits Tube Diameter	Tube Wall Thickness	A Butt Diameter	B End of Spline to Weld	C End of Spline to Radius	D Length of Spline	Coating on Spline
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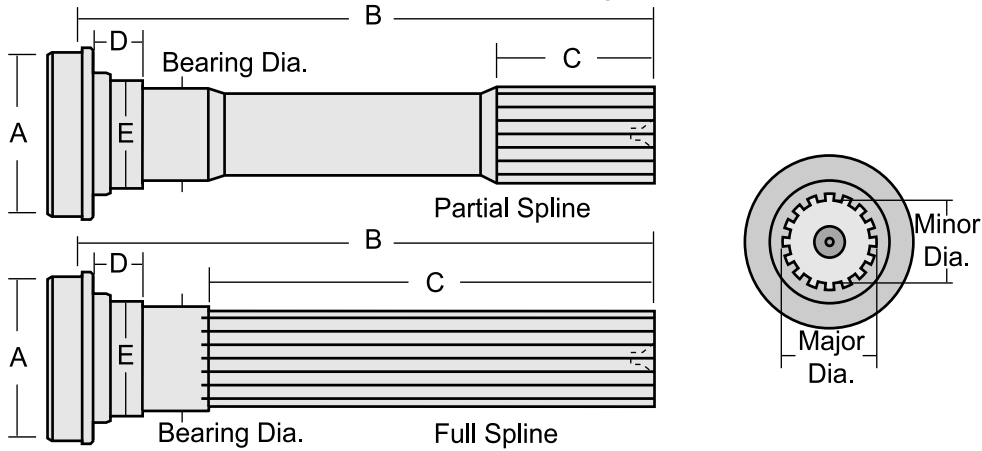
## 2.500 - 16 Spline

R6-40-521	4.000	0.134	3.750	10.562	9.562	4.000	YES
R6-40-541	4.000	0.134	3.750	9.250	8.250	4.000	YES

## 3.000 - 16 Spline

R6.5-40-201	4.500	0.134	4.250	9.469	8.406	4.500	YES
R6.5-40-191	4.500	0.134	4.250	11.250	10.031	4.500	YES

# MIDSHIP STUB SHAFTS (Slip Yoke Style)



RDL Part Number	Full or Partial Spline	Fits Tube Dia. / Wall	A Butt Diameter	B End of Spline to Weld	C Length of Spline	D Length of Shoulder	E Shoulder Diameter
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## 1.375 - 15 Based on 16 Spline

**1.378 Bearing Diameter**

R2-53-711	Partial Spline	3.000 / 0.083	2.844	9.031	2.500	0.812	1.688
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## 1.375 - 16 Spline

**1.378 Bearing Diameter**

R2-53-501	Full Spline	3.000 / 0.083	2.844	8.000	5.406	0.812	1.688
R3-53-1361	Full Spline	3.000 / 0.083	2.844	8.094	4.969	1.125	1.719

## 1.375 - 31 Based on 32 Spline

**1.378 Bearing Diameter**

R3-53-1181-5	Partial Spline	1.620 / 0.205	1.222	8.812	3.344	1.125	1.719
R3-53-1991	Partial Spline	2.750 / 0.065	2.625	8.812	3.344	1.125	1.719
R3-53-1181-1	Partial Spline	2.750 / 0.095	2.570	8.812	3.344	1.125	1.719

## 1.500 - 16 Spline

**1.575 Bearing Diameter**

R3-53-1031	Full Spline	3.000 / 0.083	2.844	7.062	4.438	0.875	1.812
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## 1.562 - 16 Spline

**1.575 Bearing Diameter**

R3-53-451	Full Spline	3.500 / 0.083	3.344	8.531	5.938	0.812	1.938
R3-53-1191	Full Spline	4.000 / 0.083	3.844	8.531	5.938	0.812	1.938

## 1.750 - 16 Spline

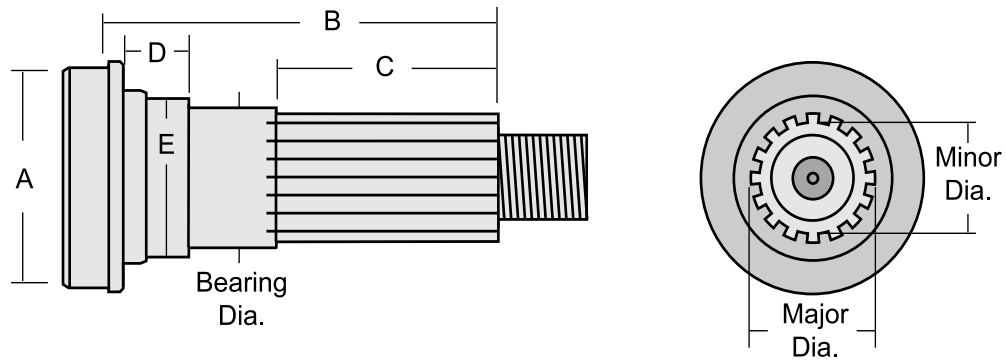
**1.772 Bearing Diameter**

R4-53-61	Full Spline	3.500 / 0.095	3.313	8.562	5.938	0.812	2.188
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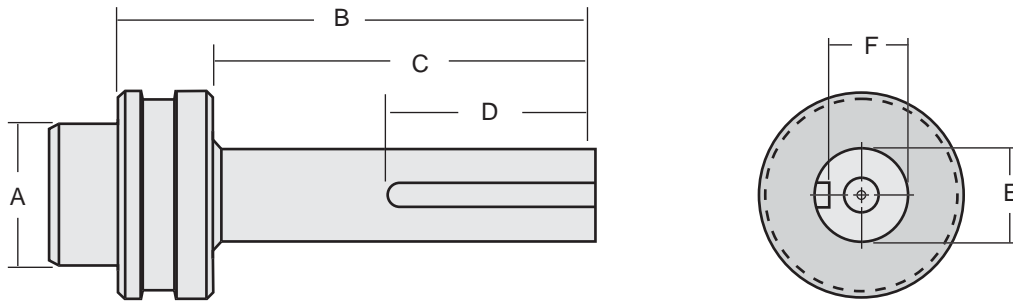


# MIDSHIP STUB SHAFTS (End Yoke Style)



RDL Part Number	Fits Tube Dia. / Wall	A Butt Diameter	B End of Spline to Weld	C Length of Spline	D Length of Shoulder	E Shoulder Diameter	Thread Size
<b>1.958 - 16 Spline</b>			<b>1.250 - 18 Thd</b>		<b>1.967 Bearing Diameter</b>		
R6-53-201	4.000 / .134	3.750	5.156	2.875	0.812	2.438	1.25-18
<b>2.350 - 16 Spline</b>			<b>1.250 - 18 Thd</b>		<b>2.362 Bearing Diameter</b>		
R6-53-311	4.000 / .134	3.750	5.312	2.625	0.812	2.875	1.25-18

# MIDSHIP STUB SHAFTS (Auxiliary P.T.O. Style)



RDL Part Number	Fits Tube Dia. / Wall	A Butt Diameter	B End of Stub to Weld	C Length of Stub	D Length of Keyway	E Stub Diameter	F Keyway Depth
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### 1.000 - 1/4" Keyway

### 2.250 Bearing Diameter

R10-53-3181	1.250 X .120	1.020	5.130	4.130	2.260	.998	.849
R10-53-18	1.750 X .065	1.630	5.130	4.130	2.260	.998	.849
R10-53-699	2.000 X .083	1.840	5.130	4.130	2.260	.998	.849

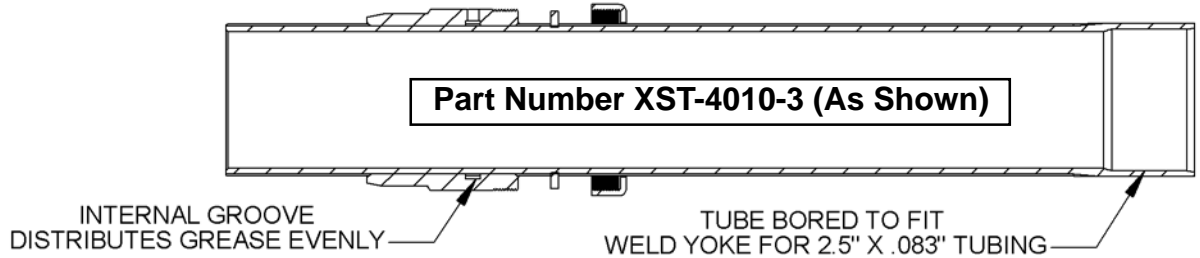
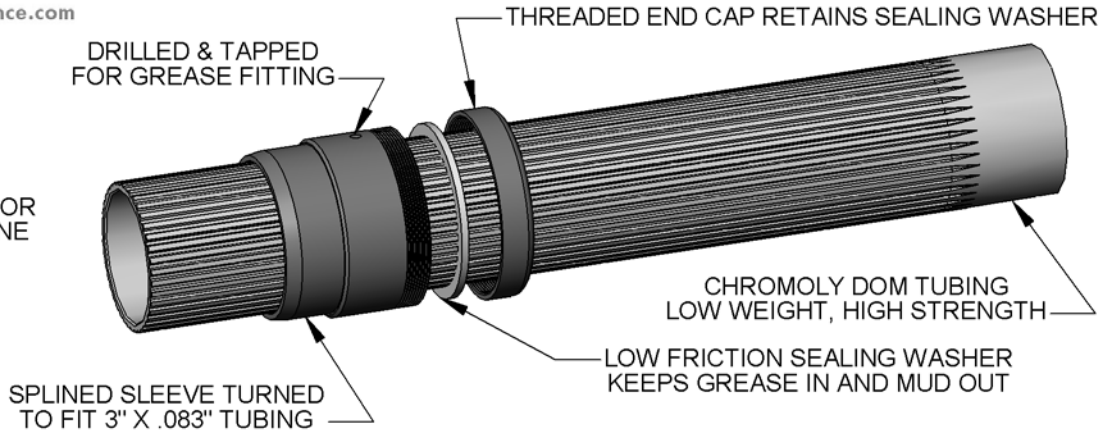
# EXTREME TRAVEL SLIP SPLINE (Tubular and Solid Style)



TUBULAR SLIP SPLINES  
LAB TESTED TO 4900 FT-LBS  
ULTIMATE TORQUE STRENGTH

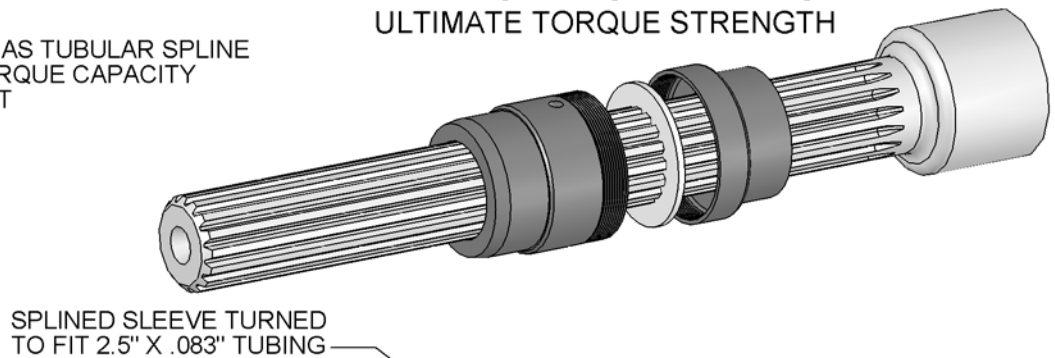
YOUR SOLUTION FOR  
EXTREME DRIVELINE  
PROBLEMS IN:

LIFTED TRUCKS  
LOWRIDERS  
RACE CARS



SOLID SLIP SPLINES  
LAB TESTED TO 6500 FT-LBS  
ULTIMATE TORQUE STRENGTH

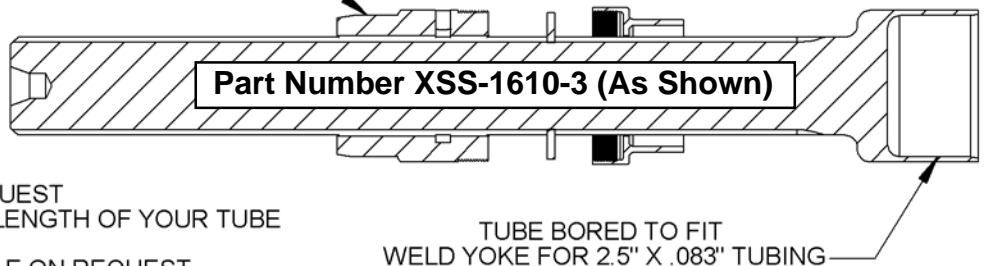
SAME FEATURES AS TUBULAR SPLINE  
WITH HIGHER TORQUE CAPACITY  
AND LOWER COST



INVOLUTE SPLINE:  
BACKLASH-FREE FIT  
EASILY BALANCED

12" TRAVEL STANDARD  
MORE TRAVEL ON REQUEST  
LIMITED ONLY BY THE LENGTH OF YOUR TUBE

OTHER SIZES AVAILABLE ON REQUEST  
\*TORQUE STRENGTHS LISTED ARE FOR ILLUSTRATED SPLINES





# PART NUMBER INTERCHANGE LIST

MFG. NO.	OUR NO.	MFG. NO.	OUR NO.
<b>Neapco</b>		<b>N6-53-201</b> ..... R6-53-201	
10-0699 .....	R10-53-699	N6-53-311 .....	R6-53-311
N2-40-1031 .....	R2-40-1031	N6.5-40-191 .....	R6.5-40-191
N2-40-1221 .....	R2-40-1221	N6.5-40-201 .....	R6.5-40-201
N2-40-1231 .....	R2-40-1671	<b>Spicer</b>	
N2-40-1291 .....	R2-40-1291	2-40-971 .....	R2-40-971
N2-40-1521 .....	R2-40-1521	2-40-1031 .....	R2-40-1031
N2-40-1701 .....	R2-40-1701	2-40-1221 .....	R2-40-1221
N2-40-1701-1 .....	R2-40-1701-1	2-40-1291 .....	R2-40-1291
N2-40-1701-2 .....	R2-40-1701-2	2-40-1521 .....	R2-40-1521
N2-40-1711 .....	R2-40-1711	2-40-1531 .....	R2-40-1531
N2-40-1741 .....	R2-40-1741	2-40-1671 .....	R2-40-1671
N2-40-1771 .....	R2-40-1771	2-40-1701 .....	R2-40-1701
N2-40-1781 .....	R2-40-1781	2-40-1711 .....	R2-40-1711
N2-40-1811 .....	R2-40-1811	2-40-1741 .....	R2-40-1741
N2-40-1851 .....	R2-40-1851	2-40-1771 .....	R2-40-1771
N2-40-1871 .....	R2-40-1871**	2-40-1811 .....	R2-40-1811
N2-40-2051 .....	R2-40-2051	2-40-1841 .....	R2-40-1841
N2-40-2301 .....	R2-40-2301	2-40-1871 .....	R2-40-1871**
N2-40-2381 .....	R2-40-2381	2-40-1851 .....	R2-40-1851
N2-42-501 .....	R2-42-501	2-40-2021 .....	R2-40-2021
N2-53-501 .....	R2-53-501	2-40-2051 .....	R2-40-2051
N2-53-711 .....	R2-53-711	2-40-2231 .....	R2-40-2231
N3-40-1222 .....	R3-40-3156	2-40-2241 .....	R2-40-2241
N3-40-1391 .....	R3-40-1871	2-40-2301 .....	R2-40-2301
N3-40-1471 .....	R3-40-1471**	2-40-2361 .....	R2-40-1781
N3-40-1491 .....	R3-40-1491	2-40-2381 .....	R2-40-2381
N3-40-1561 .....	R3-40-1621	2-40-2651 .....	R2-40-2651
N3-40-1571 .....	R3-40-1571	2-40-2661 .....	R2-40-1701-3
N3-40-1611 .....	R3-40-1611	2-40-2681 .....	R2-40-2681
N3-53-451 .....	R3-53-451	2-40-2741 .....	R2-40-2741
N3-53-1031 .....	R3-53-1031	2-40-2831 .....	R2-40-1701-1
N3-53-1181-1 .....	R3-53-1181-1	2-42-501 .....	R2-42-501
N3-53-1181-2 .....	R3-53-1991	2-53-501 .....	R2-53-501
N3-53-1181-5 .....	R3-53-1181-5	2-53-711 .....	R2-53-711
N3-53-1361 .....	R3-53-1361	3-40-1101 .....	R3-40-1101**
N4-40-721 .....	R4-40-721	3-40-1281 .....	R3-40-1281**
N4-40-761 .....	R4-40-761	3-40-1421 .....	R3-40-1421
N4-53-61 .....	R4-53-61	3-40-1471 .....	R3-40-1471**
N5-40-501 .....	R5-40-501	3-40-1491 .....	R3-40-1491
N5-40-1011 .....	R5-40-1011	3-40-1531 .....	R3-40-1531**
N5-40-1041 .....	R5-40-1041	3-40-1541 .....	R3-40-1541**
N5-40-1051 .....	R5-40-1051	3-40-1571 .....	R3-40-1571
N6-40-521 .....	R6-40-521	3-40-1611 .....	R3-40-1611
N6-40-541 .....	R6-40-541		

\*\* New addition to MC1006-5 catalog



# PART NUMBER INTERCHANGE LIST

MFG. NO.	OUR NO.	
<b>Spicer (cont.)</b>		
3-40-1621 .....	R3-40-1621	
3-40-1871 .....	R3-40-1871	
3-40-2131 .....	R3-40-2131**	
3-53-451 .....	R3-53-451	
3-53-1031 .....	R3-53-1031	
3-53-1191 .....	R3-53-1191	
3-53-1361 .....	R3-53-1361	
3-53-1991 .....	R3-53-1991	
4-40-721 .....	R4-40-721	
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