




DRIVESHAFTS

*Weller driveshafts are custom built to order and assembled with components from brand names you trust. Balanced and shipped the same day!**

Call WELLER today to spec and order your driveshaft with a knowledgeable Weller Customer Service associate.

**1 YEAR WARRANTY
UNLIMITED MILEAGE**

All Heavy Applications 
Technical Order Assistance 
One call for yokes, straps, and more 

**Experience the
Weller Way!**



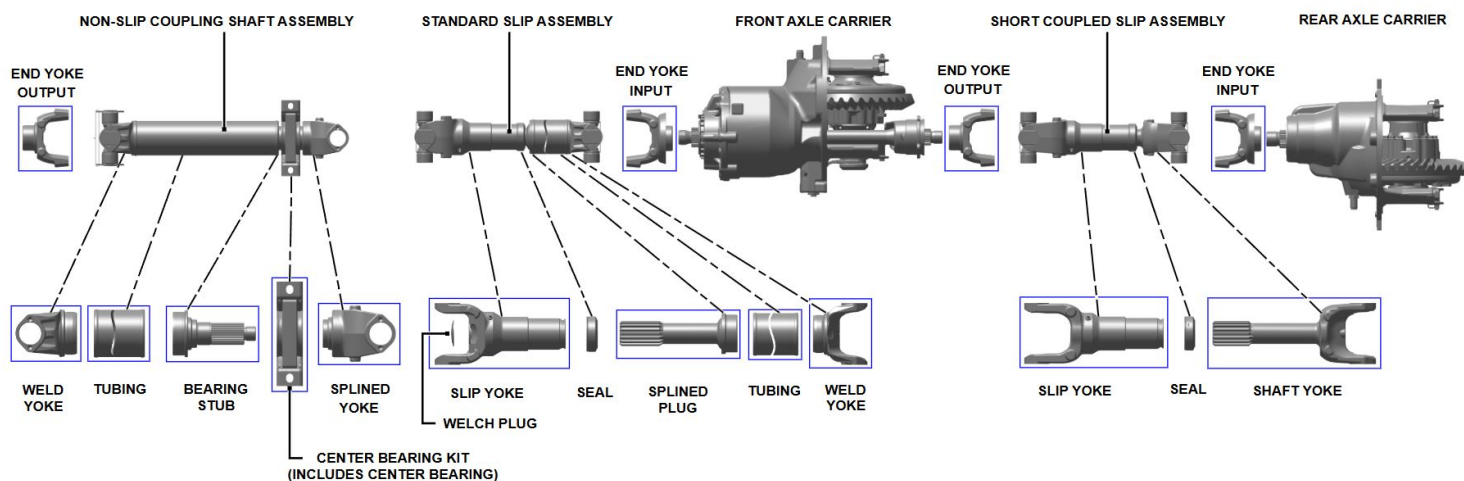
*when ordered before 2 pm ET. Subject to component availability.

**COMBINED 50+ YEARS OF
DRIVESHAFT EXPERIENCE!**

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100% Associate Owned

WELLER HEAVY DUTY DRIVESHAFT PROGRAM



Need Assistance or to Place an Order:

Call: 800-872-6697

Email: driveshaftsales@wellertruck.com

How To Order:

ORDER BY MERITOR OR DANA PART NUMBER

Supply the Meritor or Dana part number needed.

Example:

Driveshaft OE	Part #	Description
Meritor Part #	25RHS003B074	RPL25 Slip Assembly
Dana Part #	170SC55009C	SPL170 Slip Assembly

OR

USE THIS TECHNICAL BULLETIN

Step-by-step instructions to ensure an accurate order when the part number is not available. Weller highly recommends verifying your driveshaft if it will be used on a modified vehicle or a glider.

How To ID Specifications:

Simply complete the three-step process: 1) identify u-joint; 2) identify assembly type; and 3) provide driveshaft measurements. Send the completed form to Weller Driveshaft Experts:

For questions or assistance with spec'ing or to place an order, contact our driveshaft customer care team at:

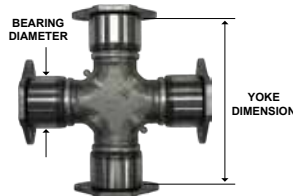
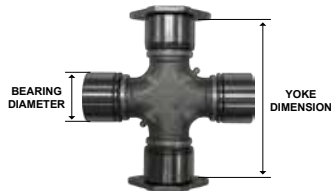
Call: 800-872-6697

Email: driveshaftsales@wellertruck.com

*Weller remanufactures and offers driveshafts for all makes, also custom heavy-duty drivelines

**1-year warranty, fast shipping. Submit this form for a quote; we handle reman driveshafts for all brands.
(Weller not liable for inaccurate info)

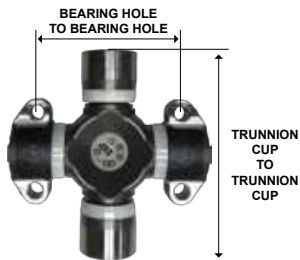
STEP 1: Identify U-joint Series – Mark the Appropriate Box



Utilize the Meritor driveline ruler to ensure proper u-joint measurement (publication SP-87101B at meritor.com/LOD).

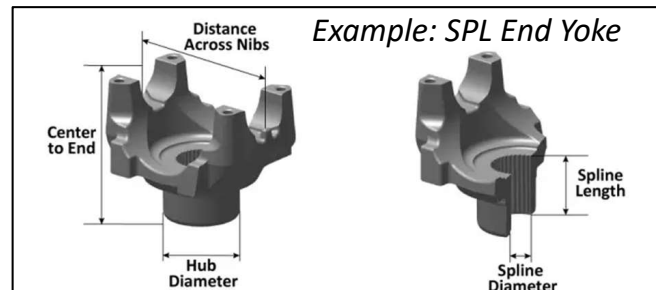
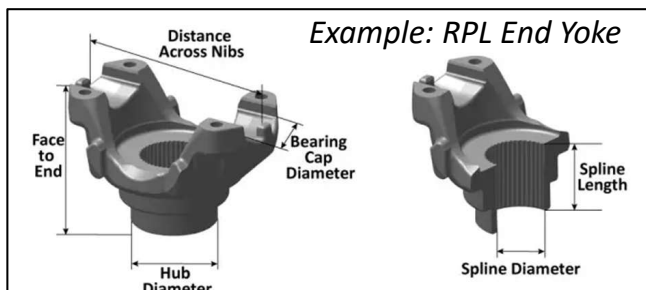
MXL™/10 Series (Half Round)			
Series	Yoke Dim	Bearing Dim	
1610	5.31"	1.875"	
1710	6.09"	1.937"	
1760	7.00"	1.937"	
1810	7.55"	1.937"	

MXL/10 Series (Full Round)			
Series	Yoke Dim	Bearing Dim	
1610	5.31"	1.875"	
1710	6.09"	1.937"	
1760	7.00"	1.937"	
1810	7.55"	1.937"	



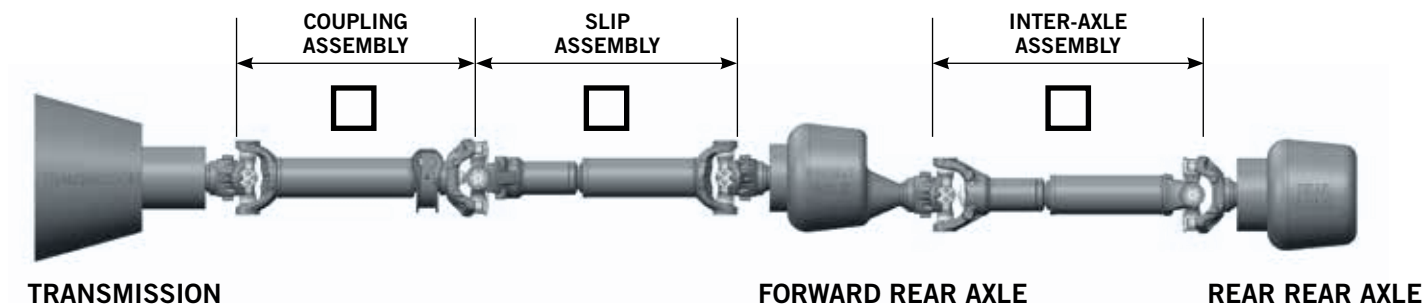
RPL™			
Series	Bearing Hole-To-Hole	Trunnion Cup-To-Cup	
20 RPL	5.30"	6.88"	
25 RPL	6.63"	8.20"	

SPL®			
Series	Bearing Dim	Yoke Lock Up	
170	2.165"	6.024" (2) 6.457" (2)	
250	2.361"	5.984" (2) 6.413" (2)	



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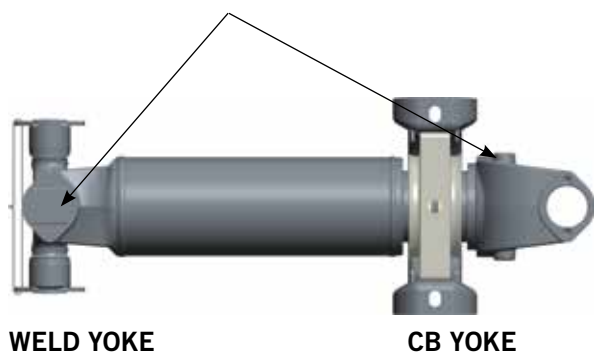
STEP 2: Identify Assembly Type – Mark the Appropriate Box(es)



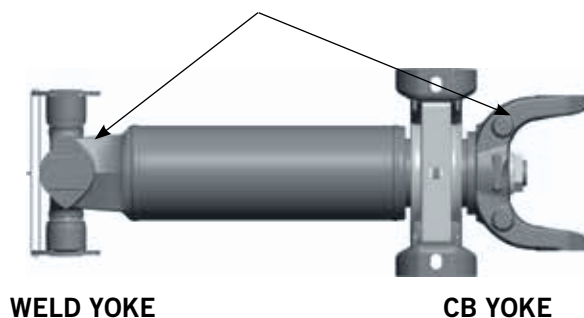
STEP 3: Identify Driveshaft Measurements in Inches

Phasing – Coupling Assembly (Example)

Phased – Center Bearing (CB) Yoke phased in-line with Weld Yoke.

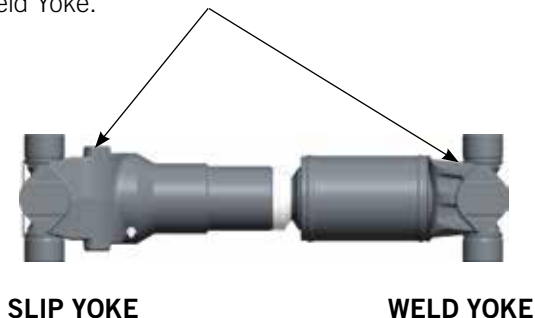


Not Phased – Center Bearing Yoke not phased with Weld Yoke (Centering Bearing Yoke will be 90 degrees out of phase to Weld Yoke).

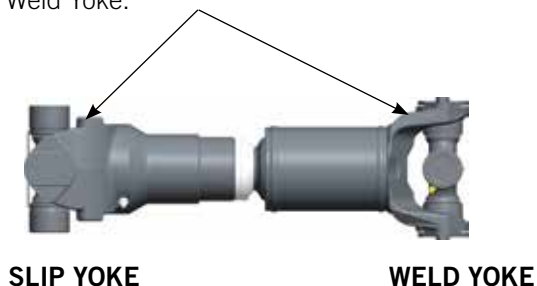


Phasing – Inter-Axle Assembly (Example)

Phased – Slip Yoke phased in-line with Weld Yoke.

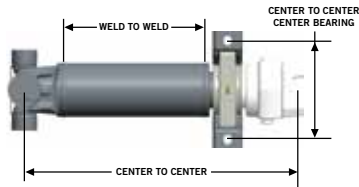


Not Phased – Slip Yoke not phased with Weld Yoke (Slip Yoke will be 90 degrees out of phase to Weld Yoke).



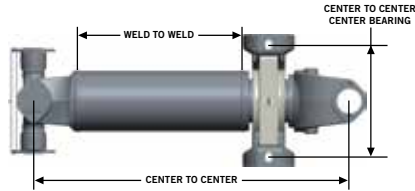
Coupling Assembly (Record Measurements in Appropriate Box)

Half Round or SPL



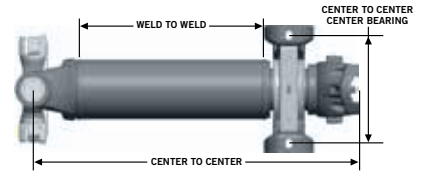
<input type="text"/>	Center of Weld to Center of Weld
<input type="text"/>	Center of Mount to Center of Mount
<input type="text"/>	Center of U-Joint to End of Yoke
<input type="text"/>	Phased (Yes/No)

Full Round



<input type="text"/>	Center of Weld to Center of Weld
<input type="text"/>	Center of Mount to Center of Mount
<input type="text"/>	Center of U-Joint to Center of Yoke
<input type="text"/>	Phased (Yes/No)

RPL

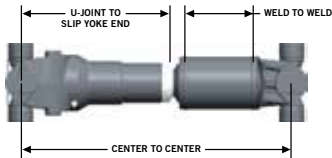


<input type="text"/>	Center of Weld to Center of Weld
<input type="text"/>	Center of Mount to Center of Mount
<input type="text"/>	Center of U-Joint to End of Yoke
<input type="text"/>	Phased (Yes/No)

Slip Assembly (Record Measurements in Appropriate Box)

Half Round or SPL

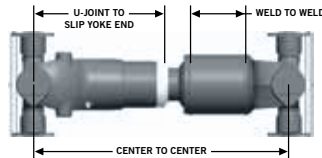
<input type="checkbox"/>	Installed in Vehicle
<input type="checkbox"/>	Removed from Vehicle and Collapsed



<input type="text"/>	Center of U-Joint to End of Slip Yoke
<input type="text"/>	Center of Weld to Center of Weld
<input type="text"/>	Center of U-Joint to Center of U-Joint

Full Round

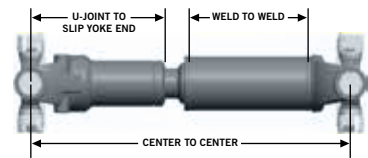
<input type="checkbox"/>	Installed in Vehicle
<input type="checkbox"/>	Removed from Vehicle and Collapsed



<input type="text"/>	Center of U-Joint to End of Slip Yoke
<input type="text"/>	Center of Weld to Center of Weld
<input type="text"/>	Center of U-Joint to Center of U-Joint

RPL

<input type="checkbox"/>	Installed in Vehicle
<input type="checkbox"/>	Removed from Vehicle and Collapsed

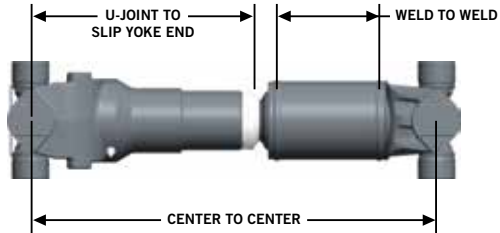


<input type="text"/>	Center of U-Joint to End of Slip Yoke
<input type="text"/>	Center of Weld to Center of Weld
<input type="text"/>	Center of U-Joint to Center of U-Joint

Inter-Axle Assembly (Record Measurements in Appropriate Box)

Half Round or SPL

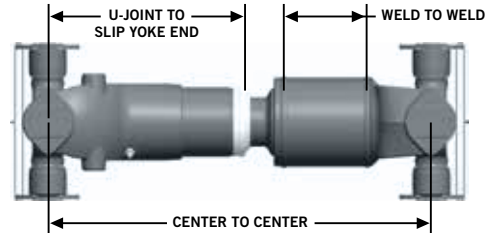
- ☐ Installed in Vehicle
☐ Removed from Vehicle and Collapsed



- Center of U-Joint to End of Slip Yoke
 Center of Weld to Center of Weld (If Tubing Exists)
 Center of U-Joint to Center of U-Joint
 Phased (Yes/No)

Full Round

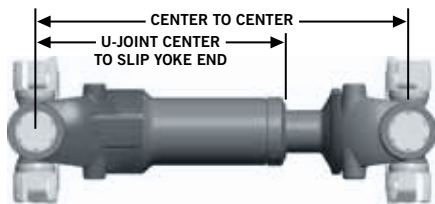
- ☐ Installed in Vehicle
☐ Removed from Vehicle and Collapsed



- Center of U-Joint to End of Slip Yoke
 Center of Weld to Center of Weld (If Tubing Exists)
 Center of U-Joint to Center of U-Joint
 Phased (Yes/No)

RPL - Without Tubing

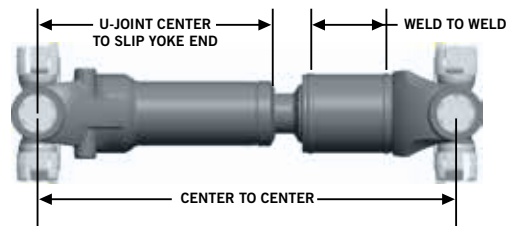
- ☐ Installed in Vehicle
☐ Removed from Vehicle and Collapsed



- Center of U-Joint to End of Slip Yoke
 Center of Weld to Center of Weld
 Center of U-Joint to Center of U-Joint
 Phased (Yes/No)

RPL - With Tubing

- ☐ Installed in Vehicle
☐ Removed from Vehicle and Collapsed



- Center of U-Joint to End of Slip Yoke
 Center of Weld to Center of Weld
 Center of U-Joint to Center of U-Joint
 Phased (Yes/No)



MERITOR

Weller proudly supports MERITOR components in many of our remanufactured driveline products!

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Inspection, Maintenance & Lubrication Basic Guide:
Maintenance Best Practices & Schedule Align with OEM Meritor greaseable: 6,500 miles (city) to 50,000 (line haul); nongreaseable inspect 25,000 miles. Spicer XL: 25,000 miles (city) to 350,000 (on-highway).

SAFETY FIRST

Park on level ground, block wheels, use safety stands (never jacks alone). Wear PPE (glasses, gloves); engine off; support driveshafts to avoid falls. Assemblies weigh up to 100+ lbs. lift properly.

Universal Joints (Both Brands): Apply 50 lb. force; measure with dial indicator. Allowable: $\leq 0.006"$ (0.152 mm). Check seals/fittings.

Slip Members: Measure radial movement ~3-4" from weld; Meritor allowable $\leq 0.017"$ (0.432 mm); Spicer $\leq 0.012"$. Inspect boots/seals.

Tubing: Clean with mineral spirits, visual for missing weights, bends/dents; measure runout (Meritor max 0.030"; Spicer similar). Clean debris

Center Bearings: Check bolts/Tightness; inspect cushions (Meritor $\pm 5^\circ$ self-aligning; Spicer permanently lubed). Radial play $\leq 0.200"$ TIR

Ride Height: Measure, record and adjust confirming it meets Vehicle OEM specifications.

Recommended Grease: NLGI Grade 2 EP (Meritor O-634-B lithium w/moly, -10°F to 325°F ; Spicer similar, e.g., Chevron Ultra-Duty)

Universal Joints (Greaseable): *Purge all seals until fresh grease appears; Non-greaseable (Meritor Permalube, Spicer XL): Inspect only.*

Torque Specs:

- Meritor RPL Permalube: U-joint cap screws 115-135 lb.-ft (155-183 Nm)
- Meritor Wing-Style: 40-115 lb-ft (54-155 Nm) by size
- Spicer SPL170/250: Strap bolts 45-65 lb.-ft (61-88 Nm); bearing plate cap screws 35-45 lb.-ft (47-61 Nm)

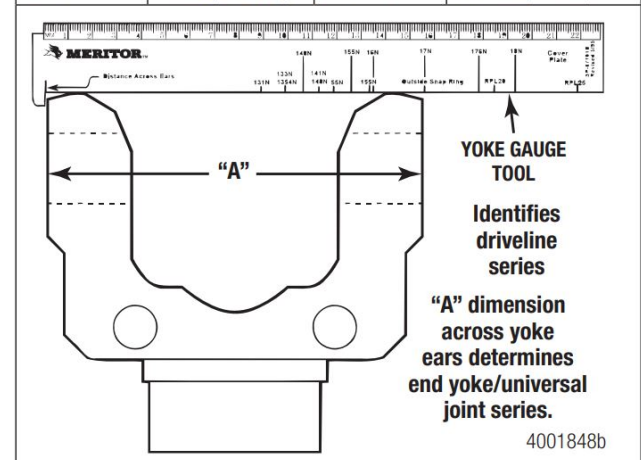


**Click for
Meritor Visual Search**

- Meritor Driveline Maintenance Manual MM-96147
- Technical Bulletin TP-9980, RPL Series Permalube™ Driveline Universal Joint Inspection Guidelines and Procedures
- Technical Bulletin TP-2243, Center Bearing Inspection/Installation Guidelines
- Parts Book PB-9895, Meritor Aftermarket Driveline Components

Table B: Torque Specifications – Full-Round

Driveline Series	"A" Inches (mm)	Thread Size Inches	Torque Specs lb.-ft (Nm)
16N	5.31 (134.87)	5/16-24	26-35 (35-47)
17N	6.09 (154.69)	3/8-24	38-48 (51-65)
176N	7.00 (177.8)	3/8-24	38-48 (51-65)
18N	7.55 (191.77)	3/8-24	38-48 (51-65)

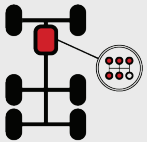


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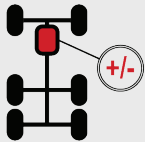
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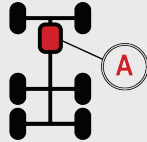
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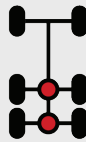
**TRANSMISSIONS
AND TRANSFER
CASES**



**AUTOMATED MANUAL
TRANSMISSIONS**



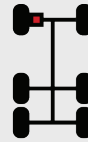
**AUTOMATIC
TRANSMISSIONS**



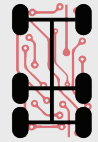
DIFFERENTIALS



**DRIVESHAFTS &
END YOKES**



**STEERING GEAR
BOXES AND
PUMPS**



**ELECTRONICS &
MECHATRONICS**



**Experience
The Weller Way**



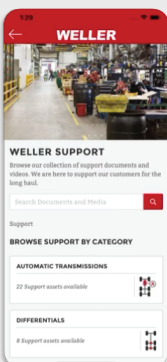
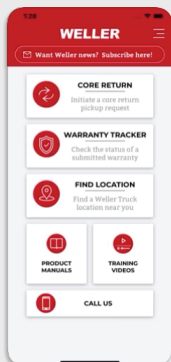
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