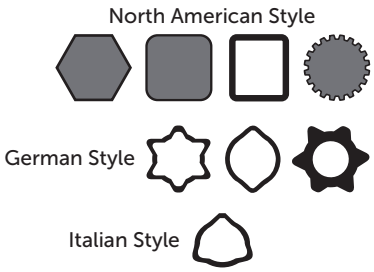
ToolboxTips — Identifying Your PTO Driveline

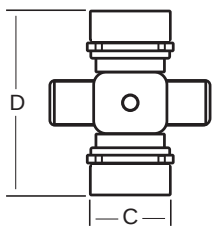
Step 1

Is your PTO Domestic (North American) or Metric? One of the easiest ways to figure that out is to determine the shape of the telescoping tubing and shafting. As a general rule, if the shafting/tubing is square, rectangular, hex or splined, it will be Domestic (North American). Metric is usually three-pointed, star or lemon shaped.



Step 2 (Domestic - see following page for metric)

The next step is to determine the **series** of your shaft. The most accurate approach is to obtain two measurements from the cross and bearing kit (u-joint) located on the tractor or drive end of the PTO.



Bearing Cap Diameter – This measurement is the outside diameter of the cap itself, **C**. This would also be the same as the inside diameter of the hole in the yoke ears. Most cross kits (u-joints) have uniform cap diameters; however, some Constant Velocity (CV) drive-lines have differing cap measurements. Be sure to measure all the caps to correctly identify the series of your PTO.

Cross Kit Width – This is the measurement of the u-joint, end-of-cap to end-of-cap, **D**. You should also measure the cross both ways as some series are not uniform in their width. The most accurate way to obtain these specs is to remove the cross kit from the yokes. You can "estimate" by measuring across the yoke ears and allowing for the indentation of the bearing cap, but to get the most accurate number, the end-of-cap to end-of-cap measurement of a removed u-joint is best.

Snap Ring Location – One other determining factor when measuring cross kits is to look for the snap ring location. Some are located in the bushing and these are called internal snap rings. The other style is situated in the yoke ears and these are identified as external snap rings.

A Snap Ring located in the bushing (Internal)

B Snap Ring located in the yoke (External)

(Domestic) North American

SKU (R)	SKU (E)	Series	(R) Kit Rated H/P @540 RPM	(E) Kit Rated H/P @540 RPM	(R) Kit Rated H/P @1000 RPM	(E) Kit Rated H/P @1000 RPM	(C) Bearing Diameter	(D) Cap to Cap Overall Length	Snap Ring Type
2000100	N/A	Rock-well 1FR	N/A	N/A	N/A	N/A	7/8" (.88)	2 15/16" (2.94)	B
2000600	2010600	6	14	19	21	29	31/32" (.97)	2 9/32" (2.28)	A
2000675	N/A	0675	16	N/A	24	N/A	15/16" (.94)	2 5/16" (2.31)	A
2000700	N/A	W	N/A	N/A	N/A	N/A	9/16" (.56)	1 1/2" (1.5)	Pin & Block
2001000	N/A	1000	15	N/A	24	N/A	15/16" (.94)	2 23/64" (2.36)	A
2001200	2011200	12	19	26	29	40	1 1/16" (1.06)	2 1/2" (2.5)	A
2001400	2011400	14	28	38	44	58	1 1/8" (1.13)	2 5/8" (2.63)	B
2001401	(Inter-changes w/ Howse)	14	28	38	44	58	1 1/8" (1.13)	3 5/32" (3.16)	A
2001875	N/A	1800	30	N/A	48	N/A	1" (1.0)	3 7/32" (3.22)	A
2002600	N/A	2600	100	N/A	144	N/A	1 3/8" (1.38)	4 3/16" (4.19)	B
2003500	2013500	35	51	70	79	108	1 1/4" (1.25)	3 7/32" (3.22)	B
2003501	(Inter-changes w/ Howse)	35	51	70	79	108	1 1/4" (1.25)	3 7/32" (3.22)	A
2004400	2014400	44	77	103	119	158	1 5/16" (1.31)	4" (4.0)	A
2005500	2015500	55	106	137	164	211	1 17/32" (1.53)	4 5/16" (4.31)	B

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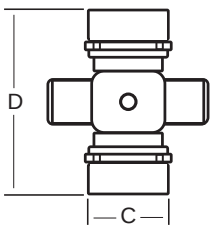
Step 2 (Metric)

The next step is to determine the **series** of your shaft. The most accurate approach is to obtain two measurements from the cross and bearing kit (u-joint) located on the tractor or drive end of the PTO.



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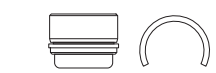

A Snap Ring located in the bushing (Internal)

B Snap Ring located in the yoke (External)

Italian Series

SKU (R)	SKU (E)	Series	(R) Kit Rated H/P @540 RPM	(E) Kit Rated H/P @540 RPM	(R) Kit Rated H/P @1000 RPM	(E) Kit Rated H/P @1000 RPM	(C) Bearing Diameter	(D) Cap to Cap Overall Length	Snap Ring Type
2006154	2016154	1	15	19	23	29	22.0mm (.8661)	54.0mm (2.126)	B
2008261	2018261	2	21	25	33	38	23.8mm (.937)	61.2mm (2.409)	B
2008370	2018370	3	29	38	44	58	27.0mm (1.063)	70.0mm (2.756)	B
2008474	2018474	4	36	45	56	70	27.0mm (1.063)	74.6mm (2.937)	B
2006580	2016580	5	52	65	81	100	30.2mm (1.189)	79.4mm (3.134)	B
2008692	2018692	6	64	79	99	122	30.2mm (1.189)	92.0mm (3.661)	B
2006794	2016794	7N	79	94	122	145	34.9mm (1.374)	94.0mm (3.701)	B
2006806	2016806	8	100	120	154	185	34.9mm (1.374)	106.5mm (4.193)	B
2006908	2016908	9	120	151	185	232	41.0mm (1.614)	108.0mm (4.252)	B

German Series

SKU (R)	SKU (E)	Series	(R) Kit Rated H/P @540 RPM	(E) Kit Rated H/P @540 RPM	(R) Kit Rated H/P @1000 RPM	(E) Kit Rated H/P @1000 RPM	(C) Bearing Diameter	(D) Cap to Cap Overall Length	Snap Ring Type
2007155	2017155	2100	16	19	23	29	22.0mm (.8661)	54.8mm (2.158)	B
2008261	2018261	2200	21	25	33	38	23.8mm (.937)	61.2mm (2.409)	B
2008370	2018370	I	30	38	44	58	27.0mm (1.063)	70.0mm (2.756)	B
2008474	2018474	2300	37	45	56	70	27.0mm (1.063)	74.6mm (2.937)	B
2008692	2018692	220	64	79	99	122	30.2mm (1.189)	92.0mm (3.661)	B
2007676	2017676	2400	53	66	80	102	32.0mm (1.259)	76.0mm (2.992)	B
2007989	2017989	2500	80	94	124	144	36.0mm (1.417)	88.8mm (3.496)	B
2007004	2017004	2600	113	149	175	230	42.0mm (1.654)	104.0mm (4.095)	B