



DRIVELINE COMPONENTS CATALOG

CENTER YOKES, TUBE YOKES AND BALL STUD TUBE YOKES



**J300P-5
JULY 2004**

**Supersedes
Section 5, Dated
April 2003**

Roadranger
MORE TIME ON THE ROAD™

Spicer driveshaft components are supplied by Dana Corporation and are supported by Roadranger— a unified team of people from Dana and Eaton representing both companies' products to give you the best, most reliable service in the industry.



This publication contains data on Spicer center yokes and ball stud tube yokes for double cardan driveshafts and Spicer tube yokes for single cardan driveshafts.

HOW TO IDENTIFY A CENTER YOKE USING THIS CATALOG

To identify any center yoke, three pieces of information are required:

1. Determine the Series
2. Determine the dimension between center of U-Joint to center of U-Joint
3. Determine the type of part (circular or rectangular)

Example: To find a 1310 Series rectangular type, with a center to center dimension of 2.75, see the following example:

1. Find the 1310 Series heading
2. Find the Center to Center dimension of 2.7500
3. Find a type 1 (circular is type 2, rectangular is type 1)
Order Spicer Center Yoke Part Number 2-26-177

Series and all pertinent series dimensions appear as shown in the sample below:

C Center to Center	Swing Diameter	Joint Angle	Type	Center Yoke
1310 SERIES	E-3.469	D-1.062	USE KIT 5-153X, 5-785X, 5-810X	
2.6880	3.8750	26.0	2	2-26-477
2.6880	3.8750	26.0	2	2-26-497
2.6880	3.8750	26.0	2	2-26-507
2.7500	3.8750	18.0	1	Lube hole thru web 2-26-177

HOW TO IDENTIFY A TUBE YOKE USING THIS CATALOG

To identify any tube yoke, three pieces of information are required:

1. Determine Series
2. Determine the size and wall thickness of the tube it fits
3. Determine the dimension from center of joint to weld point

Example: To find a 1330 Series with a 2.5370 center to weld dimension, that fits a 2.500 OD tube with a .0830 wall thickness, see the following example:

1. Find the 1330 Series heading
2. Find the 2.5000 Tubing Diameter and .0830 wall thickness (2.5000 x .0830W)
3. Find the 2.5370 Center to Weld dimension
Order Spicer Tube Yoke Part Number 2-28-3347

Series and all pertinent series dimensions appear as shown in the sample below:

For Use With Tube Diameter & Wall	F Butt Diameter	H Centerline to Point of Weld	Angle	Used in Tube Yoke & Yoke Assembly	Tube Yoke Part Number
1330 SERIES	SR: E-3.875 OTHERS: E-3.625, D-1.062			USE 5-213X, 5-790X	
2.0000 x .1200W	1.7660	2.1200	—		2-28-2777
2.5000 x .0830W	2.3440	1.7190	25.0		2-28-1707
2.5000 x .0830W	2.3440	2.5370	25.0		2-28-3347
3.0000 x .0650W	2.8750	1.7190	25.0		2-28-1177



HOW TO IDENTIFY A BALL STUD TUBE YOKE USING THIS CATALOG

To identify any tube yoke, the following information is required:

1. Determine the Series
2. Determine the size and wall thickness of the tube it fits
3. Determine the dimension from center of joint to weld point
4. Determine the center of the joint to the end of the ball stud dimension
5. Determine the diameter of the ball stud
6. Determine the length of the ball stud
7. Determine the configuration and dimensions of the slinger or seal (if the part has a slinger or seal)

Example: To find a 1310 Series ball stud tube yoke with a 1.4380 center to weld dimension, that fits a 2.000 OD tube with a .120 wall thickness and a .500 diameter ball stud, see the following example:

1. Find the 1310 Series heading
2. Find the 2.000 Tubing Diameter and .1200 wall thickness (2.0000 x .1200W)
3. Find the 1.4380 Center to Weld dimension
4. Find the 1.6410 Center to End of Ball Stud dimension
5. Find the .5940 Ball Stud Length
6. Refer to the slinger and seal illustrations on page 11 to determine which seal/slinger configuration you have.

If you have a seal, order Spicer ball stud tube yoke assembly part number 2-28-2867X

If you have a slinger, order Spicer ball stud tube yoke assembly part number 2-28-2947X

Series and all pertinent series dimensions appear as shown in the sample below:

For Use With Tube Diameter & Wall Thickness	F	K	H	Ball Stud		Angle	Slinger	Ball Stud Tube Yoke Assembly Part Number
	Butt Diameter	Centerline to Point of Weld	Centerline to End of Ball Stud	L Length	H Diameter			
1310 SERIES	E-3.469	D-1.062	USE KIT 5-153X, 5-785X, 5-810X					
1.2500 x .1200 W	1.0160	1.5000	1.6410	.5940	.5000	—	2-86-418	2-28-2807X
1.2500 x .1200 W	1.0160	1.5000	1.6410	.5940	.5000	13.0	231864	2-28-2997X
1.7500 x .0950 W	1.5620	1.4380	1.6410	.5940	.5000	—	2-86-418	2-28-2827X
1.7500 x .0950 W	1.5620	1.4380	1.6410	.5940	.5000	—	231864	2-28-2937X
2.0000 x .1200 W	1.7660	1.4380	1.6410	.5940	.5000	—	2-86-418	2-28-2867X
2.0000 x .1200 W	1.7660	1.4380	1.6410	.5940	.5000	13.0	231864	2-28-2947X
2.5000 x .0650 W	2.3750	1.4380	1.6410	.5940	.5000	—	2-86-418	2-28-3087X
2.5000 x .0830 W	2.3440	1.4380	1.6410	.5940	.5000	—	2-86-418	2-28-2887X
2.5000 x .0830 W	2.3440	1.4380	1.6410	.5940	.5000	13.0	231864	2-28-2957X

Note that footnotes are listed immediately under the yoke dimensional data, alleviating the need to look at the bottom of the page.

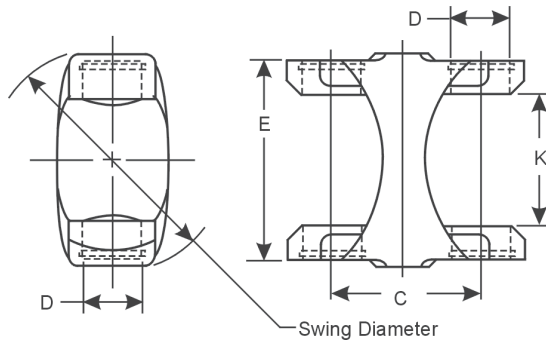
IMPORTANT NOTICE: The data listed herein is correct to the best of our knowledge and belief; having been compiled from reliable and official sources of information. However, WE CANNOT ASSUME ANY RESPONSIBILITY for possible error.



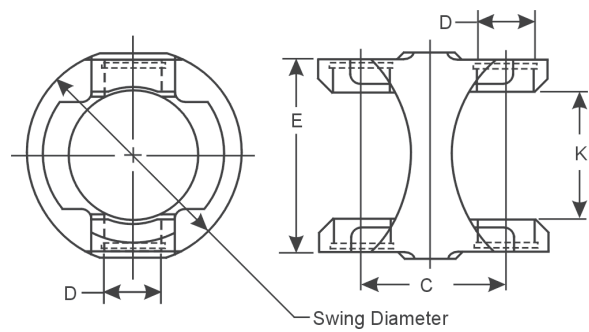
CENTER YOKES

Snap Ring Design

J300P-5



Type 1



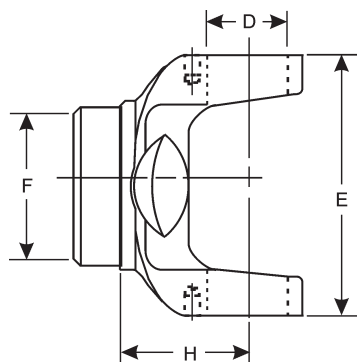
Type 2

C Center to Center		Swing Diameter	Joint Angle	Type	Center Yoke
1000 SERIES	K-1.500	D-.938			USE KIT 5-170X
2.1250	2.5000		—	2	10-26-47
1210 SERIES	E-2.688	D-1.062			USE KIT 5-443X
2.6880	3.3750		21.0	2	2-26-457
1310 SERIES	E-3.469	D-1.062			USE KIT 5-153X, 5-785X, 5-810X, 5-786X
2.6880	3.8750		26.0	2	2-26-477
2.6880	3.8750		26.0	2	Made from C2-26-279 2-26-497
2.6880	3.8750		26.0	2	Made from C2-26-309 2-26-507
2.7500	3.8750		18.0	1	Lube hole thru web 2-26-177
3.0000	3.8750		33.0	1	2-26-257
1330 SERIES	E-3.875	D-1.062			USE KIT 5-213X, 5-790X, 5-812X, 5-791X
2.7500	4.2500		18.0	2	2-26-527
2.7660	4.2500		26.0	2	2-26-467
1350 SERIES	E-3.875	D-1.188			USE KIT 5-178X, 5-799X, 5-800X
2.1200	—		—	1	3-26-577
2.7500	4.2500		—	1	3-26-317
2.8750	4.6820		26.0	2	3-26-757
1410 SERIES	E-4.438	D-1.188			USE KIT 5-160X, 5-801X OR 5-802X
3.3750	4.6880		—	1	3-26-717
1480 SERIES	E-4.438	D-1.375			USE KIT 5-188X OR 5-803X
3.3750	3.8750		26.0	1	3-26-667
4.2400	3.8750		26.0	1	3-26-677
1550 SERIES	E-5.250	D-1.375			USE KIT 5-155X OR 5-808X
3.9380	4.1250		—	1	4-26-437

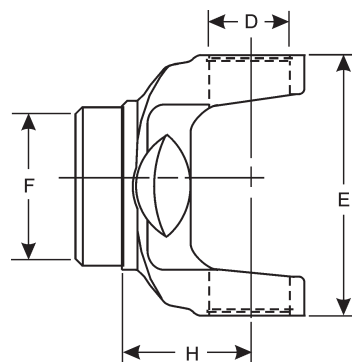


TUBE YOKES

Spicer Life Series™



Spring Tab
Design

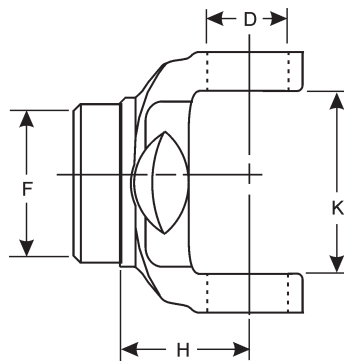
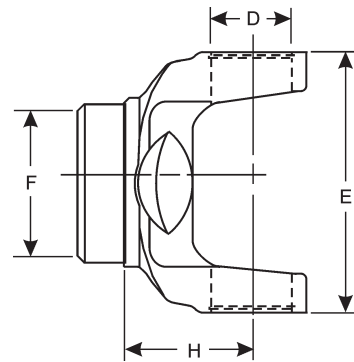


Snap Ring
Design

For Use With Tube Diameter & Wall	F	H	Angle	Used in Tube Yoke & Yoke Assembly	Tube Yoke Part Number
	Butt Diameter	Centerline to Point of Weld			
SPL100 SERIES	E-5.375	D-1.625	USE KIT SPL100-1X		
4.0000X.0950W	3.8100	2.9690	—		100-28-17
4.0000X.0950W	3.8100	3.2400	—		100-28-27
					Half round yoke, not illustrated
SPL140 SERIES	E-5.028	D-1.936	USE KIT SPL140-1X		
4.3310X.1970W	3.9570	4.4880	—		140-28-17
4.5600X.1650W	4.2450	3.5000	—		140-28-27
SPL170 SERIES	E-6.024	D-2.166	USE KIT SPL170X		
4.7240X.1970W	4.3500	4.7240	—		170-28-27
4.7240X.1970W	4.3500	4.7240	—		170-28-37
					Tube yoke presses into splined sleeve
4.9610X.1180W	4.7500	3.7000	—		170-28-17
SPL250 SERIES	E-5.984	D-2.362	USE KIT SPL250X		
5.1970X.2360W	4.7240	4.0940	—		250-28-17
SPL70 SERIES	E-5.250	D-1.375	USE KIT SPL70X		
3.5000X.0950W	3.3100	2.8750	—		70-28-27
SPL90 SERIES	E-5.375	D-1.625	USE KIT SPL90X		
4.0000X.0950W	3.8120	2.9690	—		90-28-17
4.0000X.1340W	3.7340	2.9690	—		90-28-27



TUBE YOKES

J300P-5

Inside (ISR)

Outside (OSR)

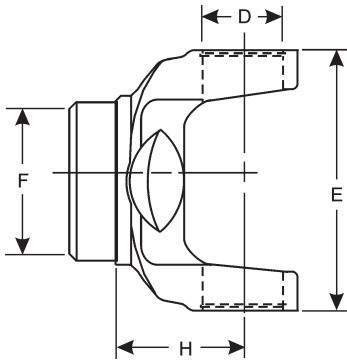
For Use With Tube Diameter & Wall	F	H	Angle	Used in Tube Yoke & Yoke Assembly	Tube Yoke Part Number
	Butt Diameter	Centerline to Point of Weld			
1000 SERIES	K-1.500	D-.938			USE KIT 5-170X
1.2500X.0950W	1.0700	2.5600	60.0		10-26-37
1.7500X.0650W	1.6250	2.0000	—		10-28-97
1.7500X.0650W	1.6250	2.0000	60.0	10-27-1	10-28-17
1100 SERIES	E-2.656	D-.938			USE KIT 5-101X OR 5-111X
1.2500X.0950W	1.0620	1.6870	—		1-26-297
2.0000X.0650W	1.8750	1.5000	20.0		1-28-107
1210 SERIES	E-2.688	D-1.062			USE KIT 5-443X
1.5000X.1200W	1.2500	1.6250	—		2-28-3027
2.0000X.0830W	1.8440	1.5000	20.0		2-28-2417
2.5000X.0650W	2.3750	1.3120	20.0		2-28-1947
1310 SERIES	E-3.469	D-1.062			USE KIT 5-153X, 5-785X, 5-810X, 5-786X
1.2500X.0980W	1.0600	2.1200	—		2-26-187
1.2500X.1200S	1.0000	2.1250	30.0		2-26-347
1.2500X.1880S	.8750	2.2810	23.0		2-26-147
1.7500X.0650W	1.6250	1.6880	22.0		2-28-447
1.7500X.0950W	1.6250	1.6880	22.0		2-28-3187
2.0000X.0650W	1.8750	1.6900	22.0		2-28-417
2.0000X.0830W	1.8440	1.6900	—	2-27-7	2-28-357
2.0000X.0950W	1.8120	1.6880	22.0		2-28-577
2.0000X.1200W	1.7660	1.6900	22.0		2-28-1757
2.2500X.0950W	2.0620	2.0000	30.0		2-28-547
2.5000X.0650W	2.3750	1.8440	30.0	2-27-4	2-28-277
2.5000X.0830W	2.3440	1.8440	30.0	2-27-9	2-28-367
2.7500X.0650W	2.6250	1.6880	21.5	2-27-5	2-28-307
2.7500X.0830S	2.5940	1.8910	—		2-28-1507
2.7500X.0830W	2.5940	1.6880	21.5		2-28-1617
2.7500X.1200S	2.5310	1.3750	—		2-28-2787
					Material: aluminum
3.0000X.0650W	2.8750	1.6880	18.0	2-27-6	2-28-327
3.0000X.0650W	2.8750	1.8400	—		2-28-3207
3.0000X.0830W	2.8440	1.6880	—	2-27-24	2-28-437
3.0000X.1200W	2.7820	1.3750	—		2-28-2427
					Material: aluminum
3.2500X.0650W	3.1250	1.6880	21.5		2-28-557
3.2500X.0830S	3.1040	1.9690	—		2-28-3367
					Material: aluminum
3.5000X.0650W	3.3750	1.6880	21.5	2-27-10	2-28-397
3.5000X.0830W	3.3440	1.6880	—	2-27-12	2-28-427
4.0000X.0830W	3.8440	1.5000	—		2-28-477
4.0000X.0830W	3.8440	1.9100	—		2-28-3837
4.0000X.0830W	3.8530	2.1300	—		2-28-3637
					Material: aluminum
4.0000X.0830W	3.8530	2.1300	—		2-28-3697
					Material: aluminum



For Use With Tube Diameter & Wall	F	H	Angle	Used in Tube Yoke & Yoke Assembly	Tube Yoke Part Number
	Butt Diameter	Centerline to Point of Weld			
1330 SERIES	E-3.875	D-1.062	USE KIT 5-213X, 5-790X, 5-812X, 5-791X		
2.0000X.1200W	1.7660	2.1200	—		2-28-2777
2.5000X.0830W	2.3440	1.7190	25.0		2-28-1707
2.5000X.0830W	2.3440	2.5370	25.0		2-28-3347
3.0000X.0650W	2.8750	1.7190	25.0		2-28-1177
3.0000X.0830W	1.9440	1.7190	25.0		2-28-1697
3.5000X.0650W	3.1250	1.8120	—		2-28-1977
3.5000X.0830W	3.3440	1.8120	20.0		2-28-1717
3.5000X.1200W	3.2720	1.8370	—		2-28-2757
					Material: aluminum
3.7500X.0830W	3.6040	2.1300	—		2-28-3717
					Material: aluminum
4.0000X.0650W	3.8700	1.6900	—		2-28-3787
4.0000X.0830W	3.8530	2.1250	—		2-28-3317
				Alum.- use special coated U-Joints; Use plug #232639 in vent	
4.0000X.0830W	3.8530	2.1300	—		2-28-3377
					Material: aluminum
4.0000X.0830W	3.8530	2.4060	15.0		2-28-3327
					Material: aluminum
4.1600X.0830W	3.9980	2.1300	—		2-28-3687
					Material: aluminum
4.1600X.0870W	3.9980	2.4060	—		2-28-3517
					Material: aluminum
4.5000X.0630W	4.3860	4.0000	—		5001484
					Material: aluminum
4.5200X.0750W	4.3880	2.1300	17.0		2-28-3507
				Alum.- use special coated U-Joints; Use plug #232639 in vent	
5.0000X.0630W	4.8880	4.1100	—		2-28-3527
					Material: aluminum
5.0000X.0650W	4.8880	1.8200	—		2-28-3487
					Material: aluminum
1350 SERIES	E-3.875	D-1.188	USE KIT 5-178X, 5-799X, 5-800X		
2.0000X.1200W	1.7660	2.1250	30.0		3-28-777
2.5000X.0830W	2.3440	1.9380	20.0	3-27-1	3-28-47
2.7500X.0650W	2.6250	2.0310	20.0		3-28-1107
3.0000X.0830W	2.8440	2.0000	20.0	3-27-2	3-28-57
3.0000X.0830W	2.8440	2.0310	20.0		3-28-1157
3.0000X.0950W	2.8120	2.0000	—		3-28-157
3.0000X.1340W	2.7340	1.9700	—		3-28-1137
3.5000X.0650W	3.3750	1.8120	20.0	3-27-5	3-28-257
3.5000X.0830W	3.3440	1.8400	20.0		3-28-427
3.5000X.1200W	3.2700	1.8370	—		3-28-977
					Material: aluminum
3.5000X.1560W	3.1880	1.8370	—		3-28-1197
					Material: aluminum
4.0000X.0830W	3.8440	1.6880	21.0		3-28-417
4.0000X.0830W	3.8530	2.1300	—		3-28-1297
					Material: aluminum
4.0000X.0830W	3.8530	2.4100	—		3-28-1307
					Material: aluminum
4.1600X.0830W	3.9980	2.1300	—		3-28-1617
					Material: aluminum
4.1600X.0830W	3.9980	2.4100	—		3-28-1437
					Material: aluminum
5.0000X.0630W	4.8880	4.1100	—		3-28-1447
					Material: aluminum
5.0000X.0650W	4.8880	1.8400	—		5001701
					Material: aluminum
5.0000X.0650W	4.8880	1.8440	—		3-28-1347
					Material: aluminum

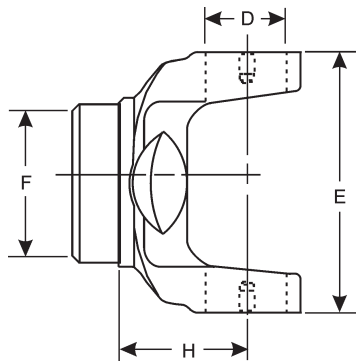


TUBE YOKES

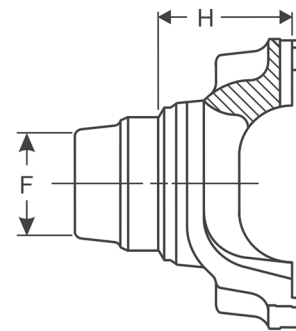
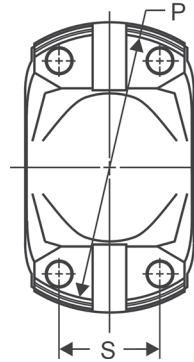
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OSR Style

For Use With Tube Diameter & Wall	F Butt Diameter	H Centerline to Point of Weld	Angle	Used in Tube Yoke & Yoke Assembly	Tube Yoke Part Number
1410 SERIES	E-4.438	D-1.188		USE KIT 5-160X, 5-801X OR 5-802X	
2.5000X.0950W	2.3120	2.0000	—		3-28-327
2.5000X.1560S	2.1880	2.0000	—		3-26-437
2.7500X.0830W	2.5940	1.6250	—		3-28-987
3.0000X.0830W	2.8440	1.6250	8.0		3-28-447
3.0000X.0830W	2.8440	2.1250	30.0	3-27-3	3-28-97
3.0000X.0950W	2.8120	2.1250	30.0	3-27-6	3-28-267
3.0000X.2500W	2.5000	1.6250	—		3-28-1117
3.5000X.0650W	3.3750	2.1250	30.0	3-27-8	3-28-367
3.5000X.0830W	3.3440	2.1250	30.0	3-27-4	3-28-557
3.5000X.0950W	3.3120	2.1250	—		3-28-857
4.0000X.0650W	3.8700	2.5000	30.0		3-28-1267
4.0000X.0830W	3.8440	1.8750	22.0	3-27-16	3-28-457
4.0000X.0830W	3.8530	2.2900	—		3-28-1607
					Material: aluminum
4.0000X.0830W	3.8530	2.2900	—		3-28-1637
					Material: aluminum
4.0000X.0950W	3.8120	1.8750	—		3-28-387
4.0000X.1030W	3.8120	2.1250	—		3-28-1537
					Material: aluminum
4.0950X.1800W	3.7430	2.0300	—		3-28-1087
4.5000X.0980W	4.3250	2.1250	—		3-28-1387
					Material: aluminum
4.5100X.0630W	4.3840	2.2900	—		3-28-1547
4.5100X.0630W	4.3840	2.2900	—	Alum.- use special coated U-Joints; Use plug #232639 in vent	3-28-1597
					Material: aluminum
5.0000X.0630W	4.8880	2.2810	—		3-28-1647
					Material: aluminum
5.0000X.0630W	4.8880	4.1090	—		3-28-1657
					Material: aluminum
1480 SERIES	E-4.438	D-1.375		USE KIT 5-188X OR 5-803X	
3.0000X.0950W	2.8120	1.6880	8.0		3-28-497
3.5000X.0830W	3.3440	2.0310	22.0	3-27-22	3-28-537
3.5000X.0830W	3.3440	2.3120	35.0		3-28-547
3.5000X.0950W	3.3120	2.0310	22.0		3-28-567
4.0000X.0830W	3.8440	2.0310	22.5	3-27-20	3-28-507
4.0000X.0950W	3.8120	2.0310	22.5		3-28-627
1550 SERIES	E-5.250	D-1.375		USE KIT 5-155X OR 5-808X	
3.5000X.0950W	3.3120	1.8440	8.0		4-28-257
3.5000X.0950W	3.3120	2.1880	22.5	4-27-18	4-28-307
3.5000X.0950W	3.3120	2.6880	35.0	4-27-16	4-28-417
3.5000X.1340W	3.2500	1.8100	—		4-28-627
3.5000X.1340W	3.2500	2.1880	22.5		4-28-487
3.5000X.1560W	3.1880	2.1880	—		4-28-657
4.0000X.0830W	3.8440	2.1880	22.5		4-28-277
4.0000X.0950W	3.8120	2.1880	22.5		4-28-297





BP Style



WB Style

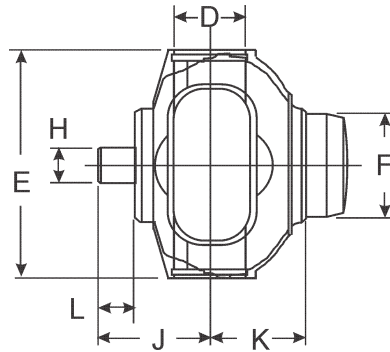
For Use With Tube Diameter & Wall	F Butt Diameter	H Centerline to Point of Weld	Angle	Used in Tube Yoke & Yoke Assembly	Tube Yoke Part Number
1610 SERIES	E-5.312	D-1.875		USE KIT 5-279X OR 5-674X	
3.5000X.0950W	3.3120	3.0000	35.0	5-27-7	5-28-167
3.5000X.1340W	3.2500	3.0000	35.0	5-27-25	5-28-627
3.5000X.1340W	3.2500	3.0000	35.0		5-28-717
3.5000X.1340W	3.2500	3.8100	—		5-28-887
3.5000X.1550W	3.1880	3.0000	—		5-28-957
3.5000X.1560W	3.1880	3.0000	35.0	5-27-9	5-28-207
3.5500X.2070W	3.1410	2.2200	—		5-28-837
3.5500X.2070W	3.1410	2.2200	—		5-28-977M
				<i>Metric bolt holes; uses 5-585XM u-joint</i>	
3.5500X.2070W	3.1410	3.0000	—		5-28-967
4.0000X.1340W	3.7340	3.0000	—		5-28-327
1710 SERIES	E-6.094	D-1.938		USE KIT 5-280X OR 5-675X	
3.5000X.1560W	3.1880	3.0310	22.0	6-27-7	6-28-137
4.0000X.1340W	3.7340	3.0310	30.0	6-27-17	6-28-347
4.0000X.1340W	3.7340	3.0310	30.0		6-28-557M
4.0000X.1340W	3.7340	3.6880	45.0		6-28-467
4.0000X.1340W	3.7340	4.0600	—		6-28-527
4.5000X.1340W	4.2340	3.0310	22.0		6-28-407
1760 SERIES	E-7.000	D-1.938		USE KIT 5-407X OR 5-677X	
4.0950X.1800W	3.7340	3.0310	30.0		6.3-28-17
1810 SERIES	E-7.547	D-1.938		USE KIT 5-281X OR 5-676X	
3.5500X.2070W	3.1410	3.3750	30.0		6.5-28-137
4.5000X.1340W	4.2340	3.3750	30.0	6.5-27-9	6.5-28-117
4.5000X.2590W	3.9840	3.3750	30.0		6.5-28-127
1880 SERIES	E-8.094	D-2.188		USE KIT 5-308X	
4.5000X.2590W	3.9840	4.0000	22.5		8-28-147
1950 SERIES	E-10.094	D-3.062		USE KIT 5-192X	
6.0000X.5000S	5.1250	6.5310	20.0		9-26-18X
5C SERIES	WB STYLE P=4.530 S=1.688 KEYWAY=.561			USE KIT 5-345X	
2.5000X.1590W	2.1820	2.2240	30.0		5C-28-27
				.375-24 threaded holes	
6C SERIES	WB STYLE P=5.530 S=1.688 KEYWAY=.561			KITS: 6CX 6C-1X 6C-2X 6C-3X	
2.7500X.1590W	2.4320	1.8700	30.0		6C-28-27
				.375-24 threaded holes	



BALL STUD TUBE YOKES

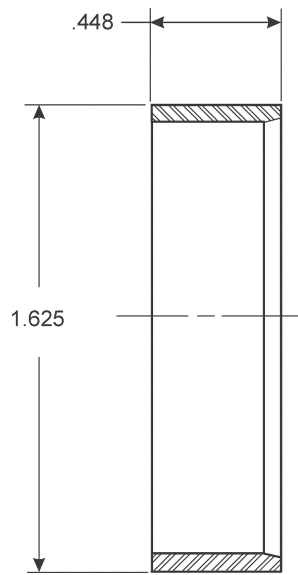
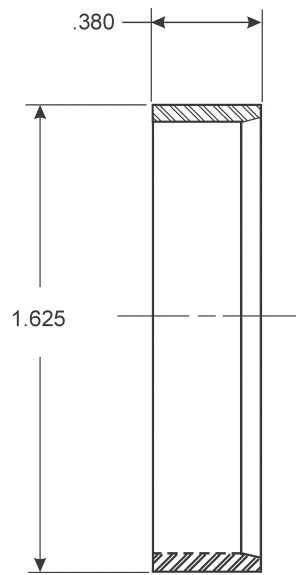
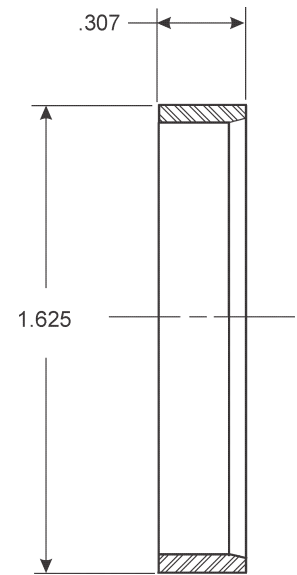
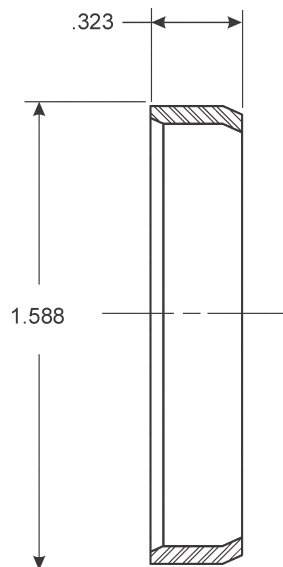
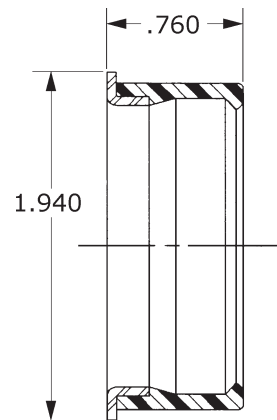
For Constant Velocity Applications

J300P-5



For Use With Tube Diameter & Wall Thickness	F Butt Diameter	K Centerline to Point of Weld	H Centerline to End of Ball Stud	Ball Stud		Angle	Slinger	Ball Stud Tube Yoke Assembly Part Number
				L Length	H Diameter			
1210 SERIES	E-2.688	D-1.062	USE KIT 5-443X					
2.5000X.0650 W	2.3750	1.3100	1.6410	.5940	.5000	10.5	231413	2-28-2407X
2.5000X.0830 W	2.3340	1.3100	1.6400	.5940	.5000	—	231413	2-28-3657X
1310 SERIES	E-3.469	D-1.062	USE KIT 5-153X, 5-785X, 5-810X, 5-786X					
1.2500X.1200 W	1.0160	1.5000	1.6410	.5940	.5000	13.0	231864	2-28-2997X
1.7500X.0950 W	1.5620	1.4400	1.6410	.5940	.5000	—	231864	2-28-2937X
1.7500X.0950 W	1.5620	1.4400	1.6410	.5940	.5000	—	2-86-418	2-28-2827X
2.0000X.1200 W	1.7660	1.4400	1.6410	.5940	.5000	—	2-86-418	2-28-2867X
2.0000X.1200 W	1.7660	1.4400	1.6410	.5940	.5000	13.0	231864	2-28-2947X
2.5000X.0650 W	2.3750	1.4400	1.6410	.5940	.5000	—	2-86-418	2-28-3087X
2.5000X.0830 W	2.3440	1.4400	1.6410	.5940	.5000	—	2-86-418	2-28-2887X
2.5000X.0830 W	2.3440	1.4400	1.6410	.5940	.5000	13.0	231864	2-28-2957X
2.7500X.0650 W	2.6250	1.2810	1.6410	.5940	.5000	13.0	2-86-418	2-28-2747X
2.7500X.0650 W	2.6250	1.2810	1.6410	.5940	.5000	13.0	231864	2-28-2987X
2.7500X.0830 W	2.5840	1.4400	1.6410	.5940	.5000	—	231864	2-28-3817X
3.0000X.0650 W	2.8750	1.4400	1.6410	.5940	.5000	—	2-86-418	2-28-2907X
3.0000X.0650 W	2.8750	1.4400	1.6410	.5940	.5000	13.0	231864	2-28-2967X
3.0000X.0830 W	2.8440	1.4400	1.6410	.5940	.5000	—	2-86-418	2-28-2927X
3.0000X.0830 W	2.8440	1.4400	1.6410	.5940	.5000	13.0	231864	2-28-2977X
1330 SERIES	E-3.875	D-1.062	USE KIT 5-213X, 5-790X, 5-812X, 5-791X					
2.0000X.1200 W	1.7660	1.3750	1.6700	.5900	.5000	—	2-86-418	2-28-3257X
2.0000X.1200 W	1.7660	1.3750	1.6700	.5900	.5000	13.0	231259	2-28-2157X
2.5000X.0830 W	2.3440	1.3750	1.6700	.5900	.5000	—	2-86-418	2-28-3067X
2.5000X.0830 W	2.3440	1.3750	1.6700	.5900	.5000	13.0	231259	2-28-2137X
2.5000X.0950 W	2.3120	1.3750	1.6700	.5900	.5000	—	2-86-418	2-28-3277X
3.0000X.0650 W	2.8750	1.3750	1.7500	.6880	.6090	—	230962	2-28-1277X
3.0000X.0650 W	2.8750	1.4400	1.6700	.4220	.5000	13.0	231259	2-28-2117X
3.0000X.0830 W	2.8440	1.3750	1.6700	.5900	.5000	—	2-86-418	2-28-3447X
3.0000X.0830 W	2.8440	1.4400	1.6700	.5900	.5160	13.0	231259	2-28-2187X
1350 SERIES	E-3.875	D-1.188	USE KIT 5-178X, 5-799X, 5-800X					
2.7500X.0830 W	2.6110	1.4400	1.7320	.5900	.5000	13.0	2-86-418	3-28-1747X
3.0000X.0830 W	2.8440	1.4400	1.7320	.5900	.5000	13.0	—	3-28-1317
3.0000X.0830 W	2.8440	1.4440	1.7320	.5900	.5000	13.0	2-86-418	3-28-1327X
3.5000X.0830 W	3.3440	1.4380	1.7320	.5900	.5000	—	—	3-28-1517
3.5000X.0830 W	3.3440	1.4400	1.7320	.5900	.5000	—	2-86-418	3-28-1527X



**230962****231259****231413****231864****Seal
2-86-418**

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10-26-37	6	2-28-277	6	2-28-547	6
10-26-47	4	2-28-2777	7	2-28-557	6
10-27-1	6	2-28-2787	6	2-28-577	6
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140-28-17	5	2-28-2927X	10	3-26-667	4
140-28-27	5	2-28-2937X	10	3-26-677	4
170-28-17	5	2-28-2947X	10	3-26-717	4
170-28-27	5	2-28-2957X	10	3-26-757	4
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2-26-187	6	2-28-2997X	10	3-27-20	8
2-26-257	4	2-28-3027	6	3-27-22	8
2-26-347	6	2-28-3067X	10	3-27-3	8
2-26-457	4	2-28-307	6	3-27-4	8
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