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HARDY SPICER

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UNIVERSAL JOINT TORQUE RANGE						
SERIES	FIG	C	B1	CONTINUOUS ¹	INDUSTRIAL ²	SHORT DURATION
500	1	19.05	52.00	51Nm 37.6ft/lbs	81Nm 59.7ft/lbs	254Nm 187.3ft/lbs
1000	2	23.80	38.10*	68Nm 50.2ft/lbs	102Nm 75.2ft/lbs	420Nm 309.8ft/lbs
1140	1	23.80	61.30	111Nm 81.8ft/lbs	146Nm 107.7ft/lbs	596Nm 439.5ft/lbs
1300	1	26.99	74.61	162Nm 119.5ft/lbs	244Nm 179.7ft/lbs	815Nm 601ft/lbs
1310	1	26.99	81.76	176Nm 129.8ft/lbs	264Nm 194.7ft/lbs	1085Nm 800.1ft/lbs
1330	1	26.99	92.08	203Nm 149.7ft/lbs	298Nm 219.8ft/lbs	1206Nm 889.4ft/lbs
1350	1	30.16	92.08	286Nm 210.9ft/lbs	420Nm 309.7ft/lbs	1681Nm 1239.7ft/lbs
1410	1	30.16	106.35	339Nm 250.0ft/lbs	508Nm 374.6ft/lbs	2034Nm 1500.0ft/lbs
1480	1	34.93	106.38	461Nm 340.0ft/lbs	678Nm 500.0ft/lbs	2259Nm 1666.2ft/lbs
1510	1	39.70	115.90	498Nm 367.3ft/lbs	747Nm 550.9ft/lbs	2490Nm 1836.3ft/lbs
1550	1	34.93	126.20	582Nm 429.2ft/lbs	868Nm 640.1ft/lbs	3254Nm 2399.7ft/lbs
1610	7/9	47.69	134.94	867Nm 639.4ft/lbs	1322Nm 974.9ft/lbs	4948Nm 3649.0ft/lbs
1710	7/9	49.21	154.78	1220Nm 899.7ft/lbs	1803Nm 1329.6ft/lbs	6508Nm 4799.4ft/lbs
1760	7/9	49.21	177.80	1490Nm 1098.8ft/lbs	2210Nm 1629.8ft/lbs	7864Nm 5799.4ft/lbs
1800	7	58.74	167.49	1695Nm 1250.0ft/lbs	2508Nm 1849.5ft/lbs	8812Nm 6498.5ft/lbs
1810	7/9	49.21	191.69	1695Nm 1250.0ft/lbs	2508Nm 1849.5ft/lbs	8812Nm 6498.5ft/lbs
1880	7	55.56	205.58	2305Nm 1699.8ft/lbs	3457Nm 2549.4ft/lbs	12066Nm 8898.2ft/lbs
SPL 170	1	55.00	164.00	1708Nm 1253.0ft/lbs	2562Nm 1880.8ft/lbs	8200Nm 6020.0ft/lbs
SPL 250	1	60.00	164.00	2500Nm 1844.0ft/lbs	3750Nm 2766.0ft/lbs	12000Nm 8850.0ft/lbs

¹ Petrol or diesel engine, 3° joint angle, 3000RPM, 5000 B10 hours life

² Electric motor, 3° joint angle, 1750RPM, 3000 B10 hours life

* B2 dimension

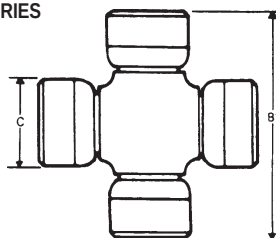
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HARDY SPICER 500

THIS SERIES TO BE DISCONTINUED, ALT = 1000 SERIES
COMPONENTS AVAILABLE WHILE STOCK LASTS

C = 19.05
0.75
B = 52.00
2.04



500

UNIVERSAL JOINT KIT

PART No.	LUBE	DESCRIPTION
K5-A539	NIL	NON-LUBRICATED
K5-A546	CENTRE	CENTRE LUBE

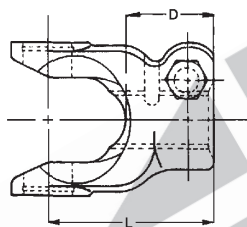


FIG. 1

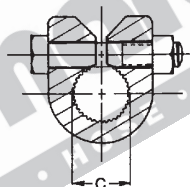


FIG. 2

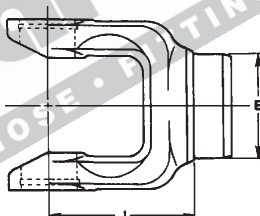
500

END YOKE

SPLINED HOLE

PART No.	SPLINE O.D. & No. C	GROUND HUB O.D. E	LENGTH OF HOLE D	C/L TO END OF HUB L	JOINT ANGLE	FIG	BOLT PART No.	NUT PART No.	NOTES
K05-4-A8541 INVOLUTE SPLINE	28.17-25 1.109	43.00 1.023	25.98 1.023	60.96 2.400	70	2			BAR YOKE Reference only
K05-4-A8091 INVOLUTE SPLINE	22.23-36 0.875		27.00 1.063	61.98 2.440	70	1	508-16	509-8	PINCH BOLT YOKE INCLUDING BOLT
K05-4-A8631 INVOLUTE SPLINE	22.23-48 0.875		27.00 1.063	61.98 2.440	70	1	508-16	509-8	PINCH BOLT YOKE SUITS UNIMOG
K05-4-A0000 SOLID HUB	-	40.00 1.575		70.00 2.756	70				CAN ALSO USE AS A WELD YOKE

BUTT TYPE:
S=SOLID



500

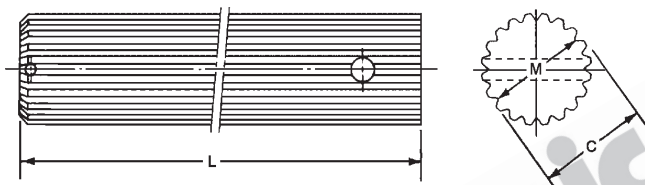
WELD YOKE

PART No.	C/LINE TO POINT OF WELD J	TUBE O.D. & WALL THICKNESS E	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
K05-26-A0457	50.00 1.968	38.1 x 1.65 1.5 x 0.065	1216-0000	S	70	Reference only Can use K05-4-A0000 & Machine

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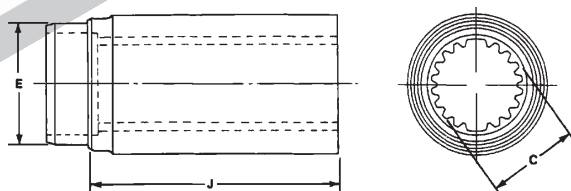
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500 HARDY SPICER



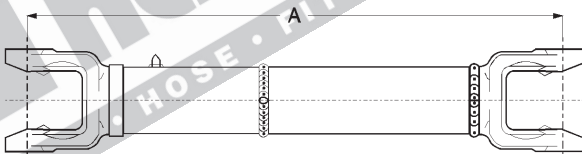
500 SPLINED BAR

PART No.	SPLINE O.D. & No. C	OVERALL LENGTH L	SPLINE LENGTH	COMMENTS
94-A660-0295	27.5 x 25 1.083	295.0 11.61	295.0 11.61	Reference only discontinued.



500 DRIVE NIB

PART No.	LENGTH OF SPLINE J	SPLINE SIZE & No. C	BUTT DIA. E	COMMENTS
94-A663	80.00 3.150	28.17 x 25 1.109	38.1 x 1.65 1.5 x 0.065	USE DUST SEAL PART No. 94-A661



500 TUBULAR TYPE SHAFT ASSEMBLY

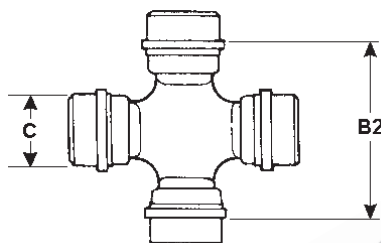
DRIVE NIB PART No.	SPLINED BAR PART No.	BAR YOKE PART No.	WELD YOKE PART No.	TOTAL SLIP	MINIMUM CLOSED LENGTH A	MAX. ANGLE	COMMENTS
94-A663	94-A660-0295	K05-4-A8541	K05-26-A0457	35.0 1.377	250.0 9.842	70	SLIP MOVEMENT BASED ON SHORTEST SHAFT LENGTH

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HARDY SPICER 1000

C = 23.80
0.93
B2 = 38.10
1.50



1000

UNIVERSAL JOINT KIT

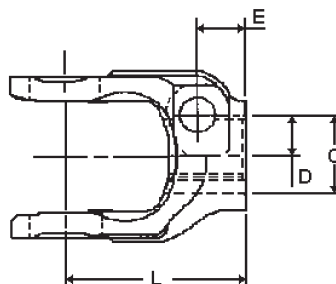
PART No.	LUBE	DESCRIPTION
5-170X	CENTRE	STANDARD

1000

CONVERSION UNIVERSAL JOINT KIT

Refer to Section B:1 for dimensional data

PART No.	LUBE	DESCRIPTION
RUJ-0601	CENTRE	CONVERSION 0600/1000 - L6N SERIES



1000

END YOKE

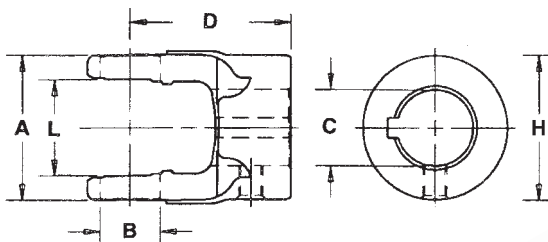
SPLINED HOLE

PART No.	SPLINE O.D. & No. C	CENTRE OF SPLINE TO CENTRE BOLT HOLE D	CENTRE OF BOLT HOLE TO END HUB E	HOLE DIA	C/L TO END OF HUB L	JOINT ANGLE	NOTES
10-4-611SX	18.77-36 0.739	13.34 0.525	11.94 0.470	11.86 0.467	57.15 2.250	60	30 SPLINES BASED ON 36
10-4-821SX	20.59-36 0.811	13.64 0.537	11.94 0.470	11.86 0.467	63.50 2.500	60	30 SPLINES BASED ON 36
10-4-491SX	20.62-36 0.812	11.94 0.470	11.94 0.470	10.31 0.406	63.50 2.500	60	30 SPLINES BASED ON 36
10-4-741SX	22.10-36 0.870	14.77 0.582	11.94 0.470	11.86 0.467	63.50 2.500	60	30 SPLINES BASED ON 36
10-4-371SX	25.24-36 0.994	15.21 0.599	11.94 0.470	10.29 0.405	63.50 2.500	60	30 SPLINES BASED ON 36
10-4-731SX	25.24-36 0.994	15.30 0.602	11.94 0.470	11.86 0.467	63.50 2.500	60	30 SPLINES BASED ON 36
10-4-8681	25.40-79 1.000		9.50 0.374	10.30 0.406	59.40 2.339	60	EURO STYLE ZF 1" x 79 SPL

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1000 HARDY SPICER

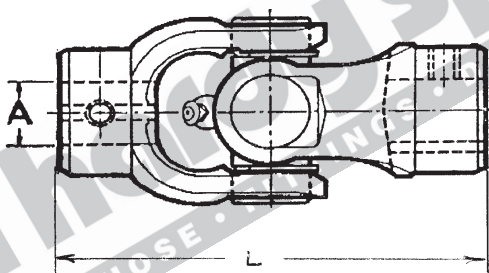


1000 END YOKE - ROUND HOLE

PART No.	HOLE DIA C	KEY	HUB O.D.	CENTRE LINE TO END OF HUB D	LENGTH THRU HOLE	ANGLE	COMMENTS
10-4-373	15.88 0.625	4.78 0.188	41.28 1.625	63.50 2.500	27.00 1.063	60	INDENT ITEM
10-4-13	19.05 0.750	4.78 0.188	41.28 1.625	63.50 2.500	27.00 1.063	60	
10-4-63	22.23 0.875	6.35 0.250	41.28 1.625	63.50 2.500	27.00 1.063	60	
10-4-93	25.40 1.000	6.35 0.250	50.80 2.000	63.50 2.500	27.00 1.063	60	
10-4-193	31.75 1.250	7.92 0.312	50.80 2.000	63.50 2.500	27.00 1.063	60	
10-4-250M	25.00 0.984	8.00 0.315	41.28 1.625	63.50 2.500	27.00 1.063	60	

1000 END YOKE - SPLINED HOLE

PART No.	SPLINE O.D.	SPLINE No.	HUB O.D.	CENTRE LINE TO END OF HUB D	LENGTH THRU HOLE	ANGLE	COMMENTS
10-4-481	22.22 0.875	13	41.28 1.625	63.50 2.500	27.00 1.063	60	
10-4-A7346	32.80 1.290	4	46.00 1.811	57.40 2.260	20.50 0.807		BAR YOKE FOR STEERING SHAFT
10-4-3453	25.40 1.000	15	-	71.50 2.815	34.00 1.339		QUICK RELEASE YOKE 3 BALL SLEEVE TYPE QR



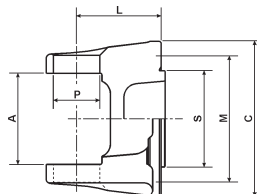
1000 SINGLE JOINT ASSEMBLY

PART No.	HOLE DIA A	KEY	HUB O.D.	LENGTH L	LENGTH THRU HOLE	ANGLE	COMMENTS
SKA-10750	19.05 0.750	4.78 0.188	41.28 1.625	127.00 5.000	27.00 1.063	60	
SKA-10875	22.23 0.875	6.35 0.250	41.28 1.625	127.00 5.000	27.00 1.063	60	
SKA-10100	25.40 1.000	6.35 0.250	41.28 1.625	127.00 5.000	27.00 1.063	60	
SKA-10250M	25.00 0.984	8.00 0.315	41.28 1.625	127.00 5.000	27.00 1.063	60	

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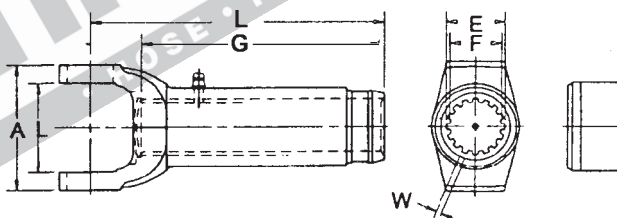
HARDY SPICER 1000



1000

FLANGE YOKE

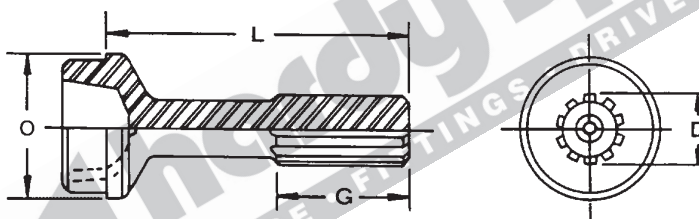
PART No.	FLANGE DIA. C	C/L OF U.J. TO FACE L	SPIGOT DIA M=MALE F=FEMALE S	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
10-2-29	85.73 3.375	39.67 1.562	M-57.15 2.250	69.88 2.751	44.91 x 53.50 1.768 x 2.106	4	8.50 0.335	1140 SERIES FACE



1000

SLIP YOKE

PART No.	SPLINE O.D. & No. D	C/LINE TO END OF SPLINE L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KIT	COMMENTS
10-3-18KX	31.75-16 1.250	139.70 5.500	102.36 4.03	60	DCK10A	STANDARD
10-3-13X	19.05-BORE 0.750	140.30 5.524	104.00 4.09		N/A	BORED 3/4" x 3/16" KEY



1000

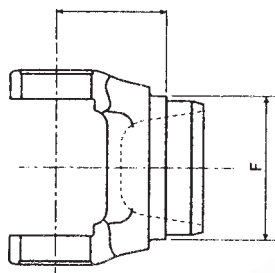
STUB

SPLINE TYPE: HC = HARDY COATED ST = STEEL					BUTT TYPE: H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No. D	SPLINE TYPE	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	BUTT TYPE	TUBE O.D. & THICKNESS O	TUBE PART No.	COMMENTS
2-40-1741	31.75-16 1.256	HC	50.80 2.000	152.40 6.000	H	50.80 x 2.11 2.000 x 0.083	-	STANDARD

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1000 HARDY SPICER



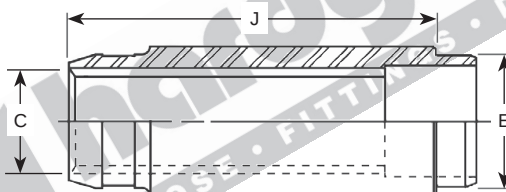
1000 WELD YOKE

PART No.	C/LINE TO POINT OF WELD J	TUBE O.D. & WALL THICKNESS E	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
10-28-97	51.00 2.008	44.45 x 1.65 1.750 x 0.065	-	H	60	
10-28-1005	44.45 1.750	50.80 x 2.1 2.000 x 0.083	-	S	-	



1000 SPLINED BAR

PART No.	SPLINE O.D. & No. C	OVERALL LENGTH L	SPLINE LENGTH B	COMMENTS
94-A7347-0305	33.40 x 4 1.315	305.00 12.008	270.00 10.630	SUITS BAR YOKE 10-4-A7346 SPLINE IS HARDY COATED SUPERCEDED TO 10-84-A7350-305 ASSEMBLY



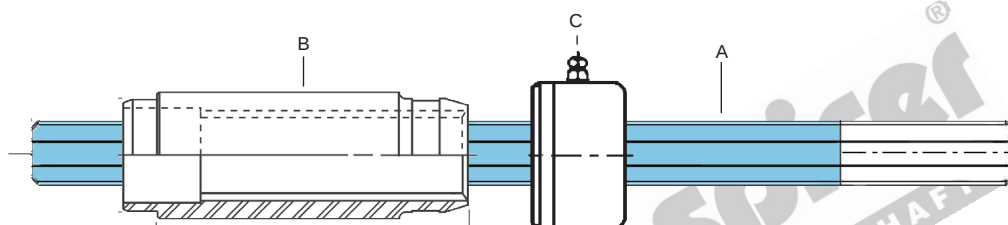
1000 DRIVE NIB

PART No.	POINT OF WELD TO END J	SPLINE SIZE & No. C	BUTT DIA. E	COMMENTS
94-A7348	138.00 5.433	33.40 x 4 1.315	44.45 x 1.65 1.750 x 0.065	USE DUST SEAL PART No. DCK10-A7349 SUPERCEDED TO 10-84-A7350-305 ASSEMBLY

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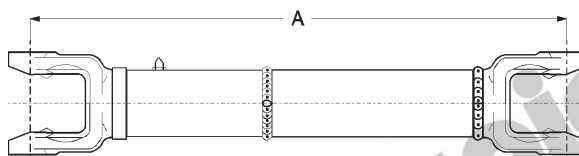
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HARDY SPICER 1000



1000 DRIVE BAR/NIB ASSEMBLY

ASSEMBLY PART No.	BAR A	NIB B	DUST COVER C	COMMENTS
10-84-A7350-305	94-A7347-0305	94-A7348	DCK10-A7349	



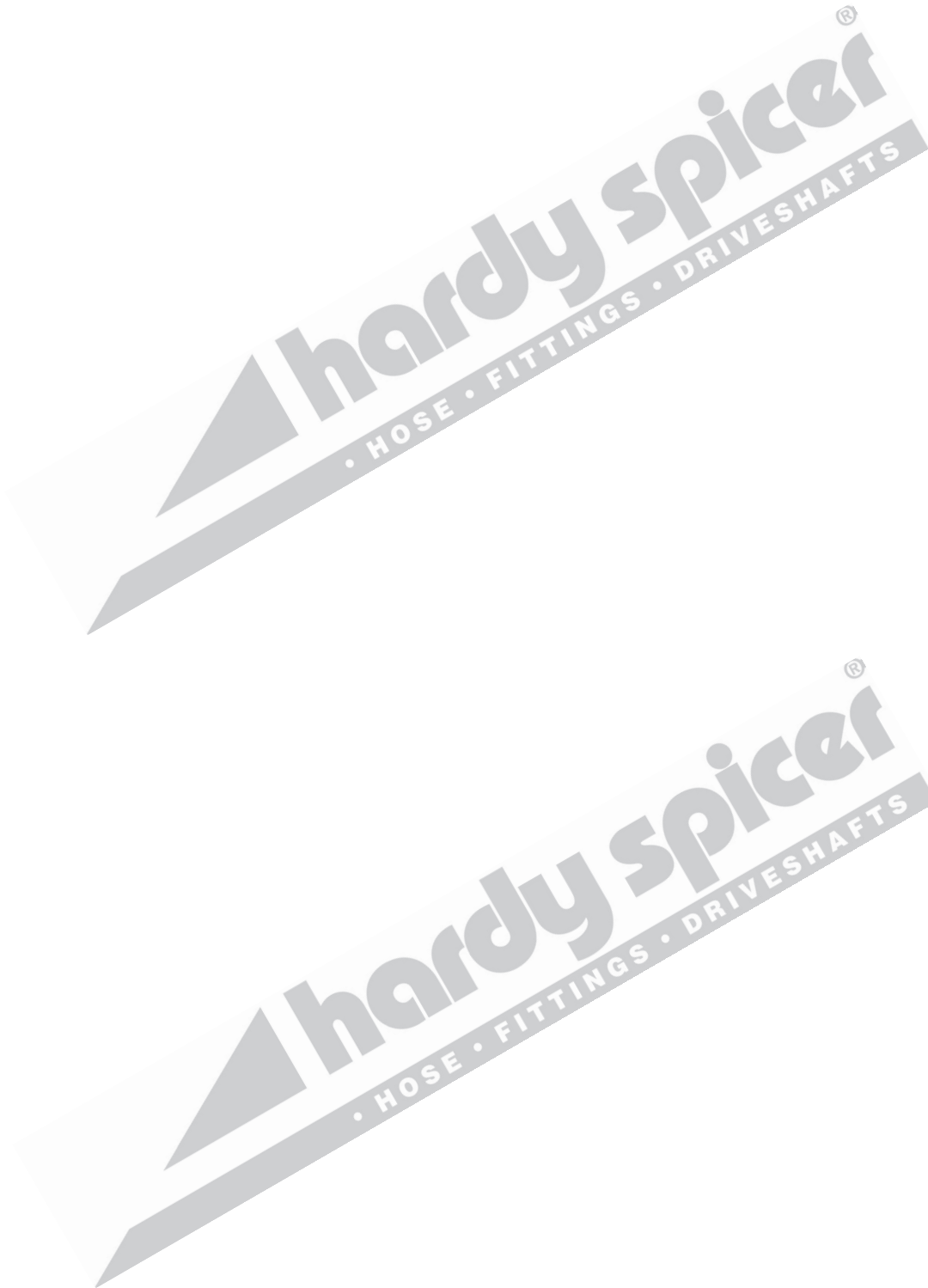
1000 TUBULAR TYPE SHAFT ASSEMBLY

DRIVE NIB PART No.	SPLINED BAR PART No.	BAR YOKE PART No.	WELD YOKE PART No.	TOTAL SLIP	MINIMUM CLOSED LENGTH A	MAX. ANGLE	COMMENTS
94-A7348	94-A7347-0305	10-4-A7346	10-28-97	150.00 5.905	385.00 15.157	60	

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1000 HARDY SPICER

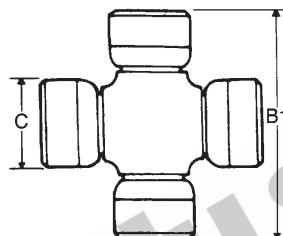


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HARDY SPICER 1140

C = 23.80
0.93
B1 = 61.30
2.41



1140 UNIVERSAL JOINT KIT

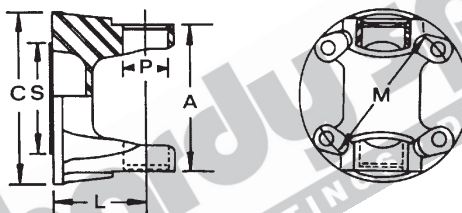
PART No.	LUBE	DESCRIPTION
K5-LGB80R	SIDE	STANDARD
K5-LGB80R-SP	CAP	LUBE IN CAP
K5-A64	CROSS	LUBE IN CENTRE OF CROSS
K5-GB150	NIL	NON-LUBRICATED

1140 CONVERSION UNIVERSAL JOINT KITS

Refer to Section B:1 for dimensional data

PART No.	LUBE	DESCRIPTION
RUJ-1766		CONVERSION 1140 - 17R SERIES
RUJ-1801		CONVERSION 1140 SERIES - SUZUKI

A - 67.46
2.65
P - 23.80
0.93



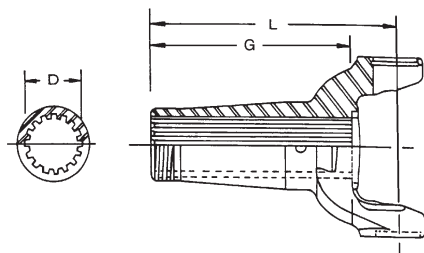
1140 FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
1-2-39	85.00 3.346	30.15 1.187	M-57.15 M-2.250	15	69.85 2.75	44.91 x 53.50 1.768 x 2.106	4	7.92 0.312	STANDARD
K1-2-A2099	75.00 2.953	42.00 1.654	F-42.00 F-1.654	20	62.00 2.441	EQUALLY SPACED	6	6.10 0.240	METRIC DIN 75 x 6M6

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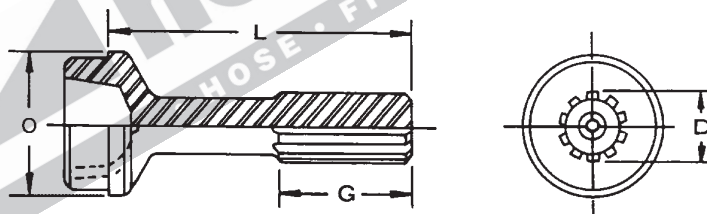
1140 HARDY SPICER



SUPPLIED WITH DUST CAP

1140 SLIP YOKE

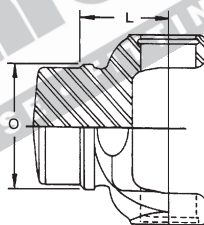
PART No.	SPLINE O.D. & No.	C/LINE TO END OF SPLINE	LENGTH OF SPLINE	JOINT ANGLE	DUST CAP KIT	COMMENTS
	D	L	G			
K1-3-A360	26.97-16 1.062	110.00 4.330	83.00 3.268	15	DC14A	STANDARD



1140 STUB

SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
K1-42-GB1901	26.97-16 1.062	ST	44.45 1.750	103.96 4.093	S	50.80 x 1.65 2.00 x 0.065	1616-0000	STANDARD
1-42-300	26.97-16 1.062	ST	300.00 11.811					SPLINED BAR

BUTT TYPE:
H=HOLLOW
S=SOLID



1140 WELD YOKE

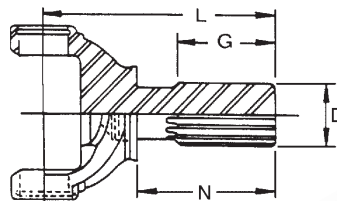
PART No.	C/LINE TO POINT OF WELD	TUBE O.D. & WALL THICKNESS	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
	L	O				
K1-26-GB17	34.93 1.375	50.80 x 1.65 2.00 x 0.065	1616-0000	S	15	STANDARD

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HARDY SPICER 1140

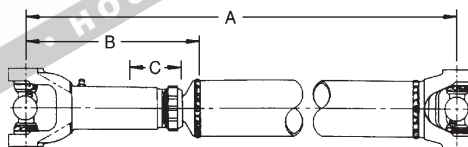
SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1140

STUB YOKE

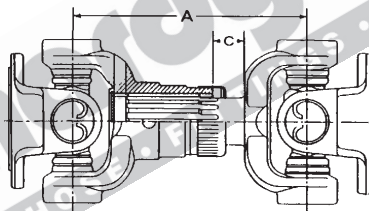
PART No.	SPLINE DIA. & No.	LENGTH OF SPLINE	C/LINE TO END OF SPLINE	SHOULDER TO END OF SPLINE	SPLINE TYPE	MAX. ANGLE	COMMENTS
	D	G	L	N			
1-82-21	26.99-16 1.063	42.88 1.688	92.86 3.656	73.03 2.875	HC	15	



1140

TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 39.8mm (1.56")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED	TOTAL SLIP	CLOSED LENGTH C/L TO C/L U.J.'s	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
		B	C	A			
K1-3-A360	K1-42-GB1901	130.0 5.110	42.9 1.690	204.7 8.060	K1-26-GB17	15	1616-0000 2.000 x 0.065



1140

SHORT COUPLED ASSEMBLY CHART

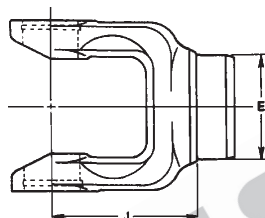
SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP	MIN. C/L TO C/L U.J.'s CLOSED	MAX. ANGLE OF ASSY.	COMMENTS
		C	A		
K1-3-A360	1-82-21	17.0 0.670	136.9 5.390	15	

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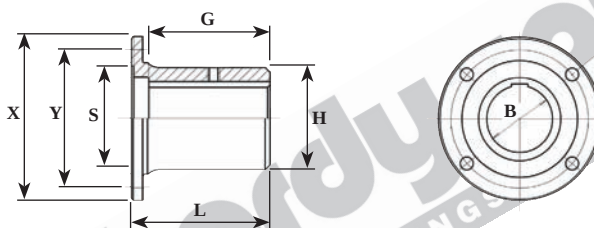
1140 HARDY SPICER

BUTT TYPE:
S=SOLID



1140 SOLID END YOKE

PART No.	C/LINE TO POINT OF WELD J	TUBE O.D. & WALL THICKNESS E	LENGTH THROUGH HUB	BUTT TYPE	MAX. ANGLE	COMMENTS
K1-4-A0000	80.00 3.150	52mm Hub 1.575	45.00 1.772	S	35	SOLID HUB END YOKE



1140 COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No.	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN
K1-1-A0433	12.70 0.500	57.15 2.250	41.27 1.625	54.00 2.126	52.00 2.047	8.2 x 4 0.312	69.85 2.750	M-57.15 M-2.250	85.00 3.346	44.91 x 53.3 1.768 x 2.106

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HARDY SPICER 1140

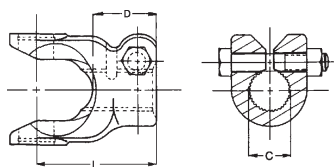


FIG. 1

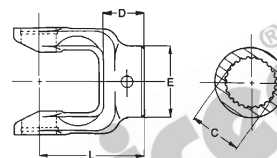


FIG. 2

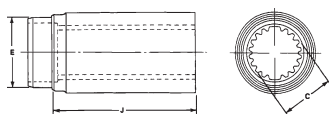


FIG. 3

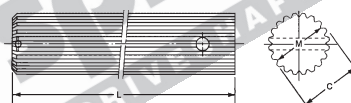


FIG. 4

1140

STEERING SHAFT PARTS

PART No.	SPLINE O.D. & No. C	C/L TO END OF HUB L	JOINT ANGLE	FIG	NOTES
K1-4-A6431	25.40-36 1.000	70.00 2.756	90	1	PINCH BOLT YOKE WITHOUT BOLT
K1-4-A8441	22.23-36 0.875	70.00 2.756	90	1	PINCH BOLT YOKE WITHOUT BOLT
K1-4-A8681	25.40-79 1.000	70.00 2.756	90	1	PINCH BOLT YOKE WITHOUT BOLT
94-A542	34.93-31 1.375			3	DRIVE NIB - LENGTH = 115mm N.L.A. - REFERENCE ONLY
94-A543-0478	34.93-31 1.375			4	SPLINED BAR x 478mm

STEERING SHAFTS PARTS AVAILABLE WHILE STOCK LASTS



1140

LAND ROVER FREELANDER SHAFT

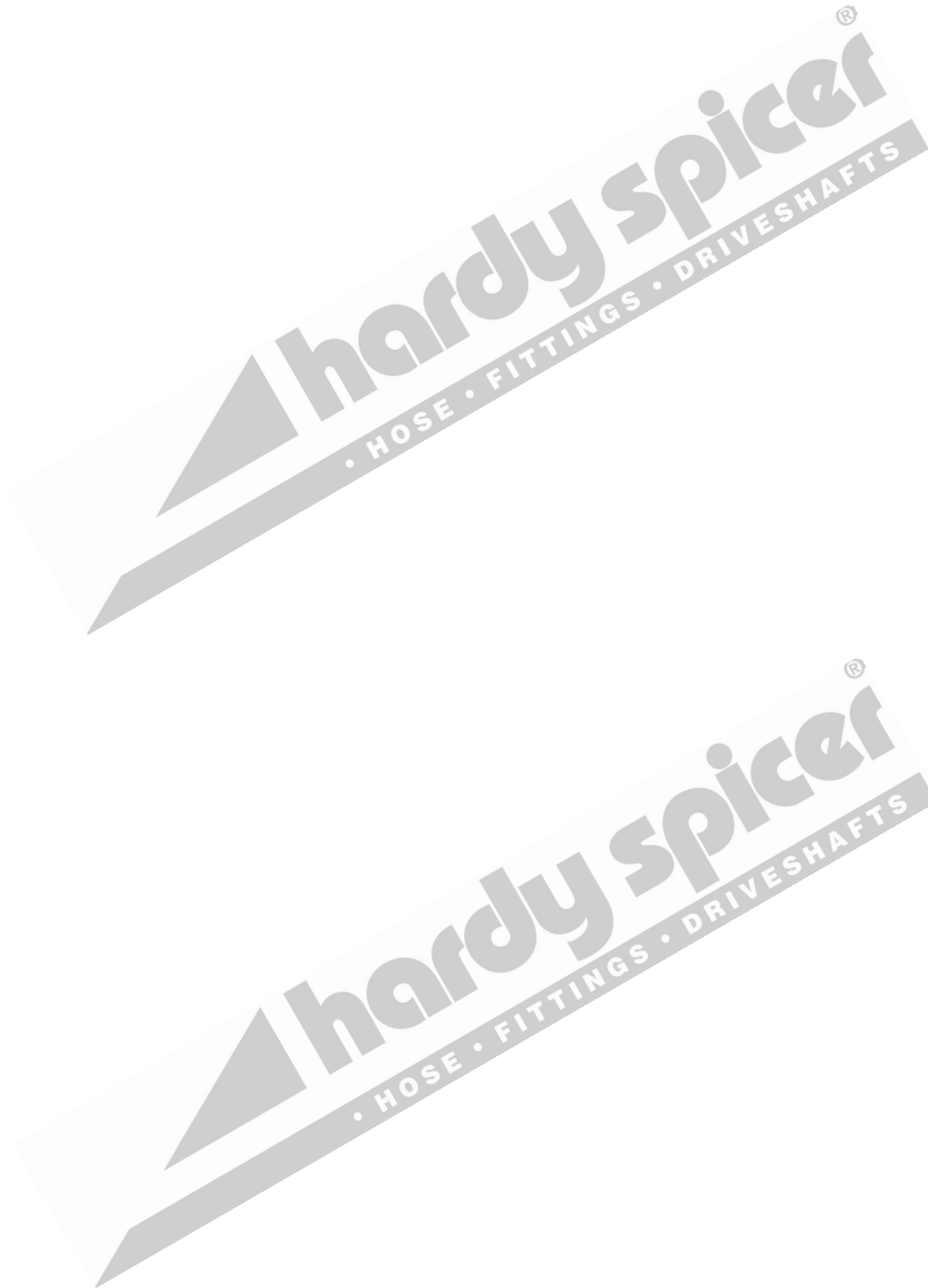
PART No.	DESCRIPTION	TUBE LENGTH	OEM PART #	COMMENTS
LR-PSA-CV-1140	FRONT SECTION OF 3 PCE SHAFT	540.00 21.260	TVB000090	COMPLETE FROM CV TO END YOKE

Other shaft sections available on request.

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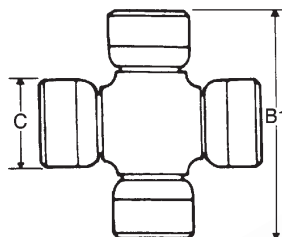
1140 HARDY SPICER


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HARDY SPICER 1300

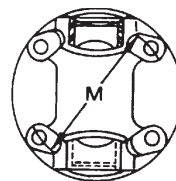
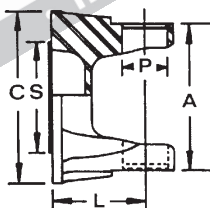
C = 26.99
1.06
B1 = 74.61
2.93



1300 UNIVERSAL JOINT KIT

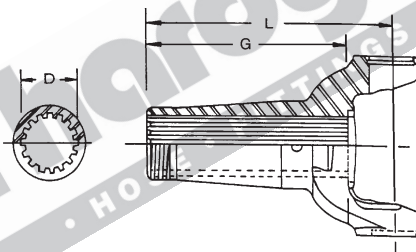
PART No.	LUBE	DESCRIPTION
K5-L4R	SIDE	STANDARD
K5-GB35	NIL	AXLE JOINTS - NO SEALS
K5-LGB36R	CROSS	LUBE IN CENTRE OF CROSS
K5-A757	SIDE	HEAVY-DUTY

A - 77.57
3.05
P - 26.99
1.06



1300 FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
K2-2-GB239	96.82 3.812	34.95 1.375	M-60.33 M-2.375	17	79.38 3.125	60.80 x 51.02 2.394 x 2.009	4	9.68 0.381	STANDARD



SUPPLIED WITH DUST CAP

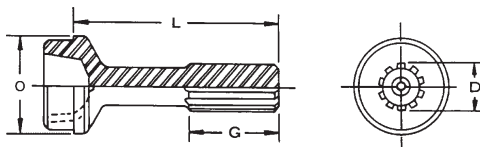
1300 SLIP YOKE

PART No.	SPLINE O.D. & No.	C/LINE TO END OF SPLINE	LENGTH OF SPLINE	JOINT ANGLE	DUST CAP KIT	COMMENTS
	D	L	G			
K2-3-A610	34.93-16 1.375	140.00 5.510	115.00 4.528	17	DCK30A	STANDARD

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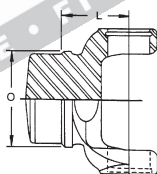
1300 HARDY SPICER



1300 STUB

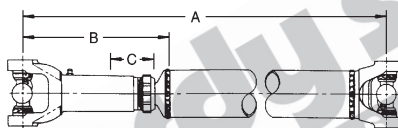
SPLINE TYPE: HC = HARDY COATED ST = STEEL					BUTT TYPE: H = HOLLOW S = SOLID			COMMENTS
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	
	D		G	L		O		
K2-42-GB2701	34.93-16 1.375	HC	58.00 2.280	129.00 5.079	S	50.80 x 2.41 2.00 x 0.095	1613-0000	AVAIL. WHILE STOCK LASTS

BUTT TYPE:
H=HOLLOW
S=SOLID



1300 WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
K2-26-GB17	42.00 1.3653	50.80 x 2.41 2.000 x 0.095	1613-0000	H	17	



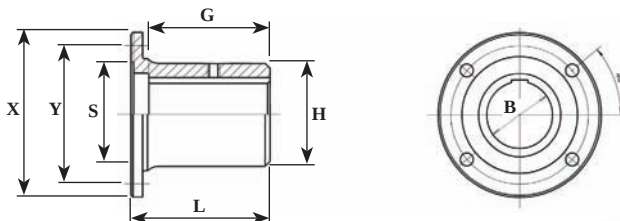
1300 TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 39.8mm (1.56")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
K2-3-A610	K2-42-GB2701	154.0 6.063	55.0 2.165	259.0 10.197	K2-26-GB17	17	1613-0000 2.000 x 0.095

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1300 HARDY SPICER

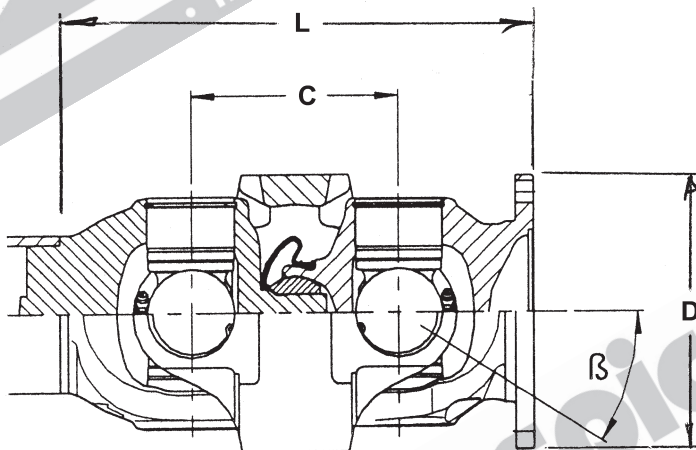


1300

COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN
	B	H		L	G		Y	S	X	
K2-1-A0413	12.70 0.500	63.50 2.500	38.10 1.500	62.00 2.437	59.00 2.323	9.8 x 4 0.385	79.37 3.125	F-60.32 F-2.375	95.00 3.740	60.80 x 51.02 2.394 x 2.009



1300

DOUBLE CARDAN ASSEMBLY

DOUBLE CARDAN ASSEMBLY PART No.	FLANGE DIA.	C/LINE TO C/LINE	FLANGE FACE TO WELD	BOLT HOLE PATTERN	SPIGOT DIA	TUBE SIZE	MAX ANGLE	COMMENTS
	D	C	L			O	β	
3048-674	115.10 4.531	71.92 2.831	156.00 6.142	67x67 2.638x2.638	65.00M 2.559M	50 x 2MM	30	LANDROVER DISCOVERY

Complete assembly only - Separate parts not available.
 Alternate part available in 25R series. Heavy duty with replaceable components.
 Assembly - **800-R2540** U/Joints - **114-2501** Centre Kit - **CV-163**

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HARDY SPICER 1310

C = 26.99
1.06
B1 = 81.76
3.22

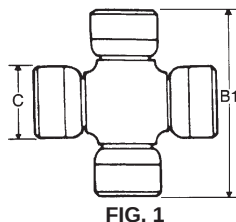


FIG. 1

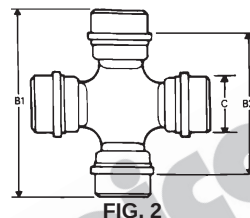


FIG. 2

1310

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
K5-13XR	SIDE	1	STANDARD
K5-A644	SIDE	1	HIGH ANGLE HEAVY DUTY
5-625XD	NIL	1	NON-LUBRICATED SOLID CROSS
5-433-1X	CAP	1	LUBE IN CAP
RUJ-2027	SIDE	2	LIGHT DUTY ONLY (1280 SERIES) FORD CLEVELAND
K5-13XRHD	SIDE	1	PREMIUM HEAVY DUTY

1310

CONVERSION UNIVERSAL JOINT KITS

Refer to Section B:1 for dimensional data & hardware kits

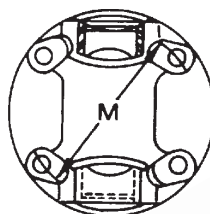
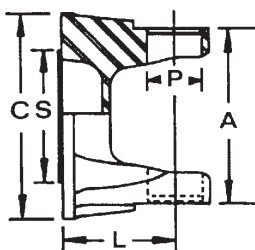
PART No.	LUBE	DESCRIPTION
RUJ-2039		FORD DIFF APPLICATIONS
RUJ-2032	SIDE	CONVERSION 1310 - 2R SERIES
5-134X	SIDE	CONVERSION 1310 - 1330 SERIES
5-150X		CONVERSION 1310 - 1330 SERIES 9"
114-550		CONVERSION 1310 - 3R SERIES
K5-A530	SIDE	CONVERSION 1310 - 21R SERIES
5-632XD	NIL	CONVERSION 1310 - 9" DIFF 28.58MM CAP SOLID CROSS
5-634XD	NIL	CONVERSION 1310 - 21R SERIES SOLID CROSS
RUJ-2502		CONVERSION 1310 - 25R SERIES
5-460X		CONVERSION 1310 - 1350 SERIES
RUJ-2110		CONVERSION 1310 - ISUZU
RUJ-2113		CONVERSION 1310 - TOYOTA
RUJ-2114		CONVERSION 1310 - NISSAN

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1310 HARDY SPICER

A = 88.08
3.46
P = 26.99
1.06



1310 FLANGE YOKE

PART No.	FLANGE DIA. C	C/L OF U.J. TO FACE L	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
2-2-329	96.82 3.812	34.93 1.375	M-60.33 M-2.375	20	79.38 3.125	60.80 x 51.02 2.394 x 2.009	4	9.68 0.381	STANDARD
2-2-459	98.43 3.875	41.28 1.625	M-60.33 M-2.375	30	79.38 3.125	60.80 x 51.02 2.394 x 2.009	4	9.53 0.375	WIDE ANGLE
2-2-A2259#	90.00 3.543	50.00 1.968	F-47.00 F-1.850	30	N/A	N/A	N/A	N/A	SEMI FINISHED 90mm O.D.
2-2-A2109	90.00 3.543	50.00 1.969	F-47.00 F-1.850	30	74.50 2.933	EQUALLY SPACED	4	6.00 0.236	METRIC DIN 90 x 4M8
2-2-479	117.48 4.625	34.93 1.375	M-69.85 M-2.750	20	95.25 3.750	61.23 x 72.96 2.410 x 2.872	4	11.13 0.438	1310 EARS / 1350 FLANGE
2-2-939-1	111.13 4.375	41.28 1.625	F-50.80 F-2.000	30	88.90 3.500	EQUALLY SPACED	4	12.70 0.500	EB-EF FALCON FLANGE
2-2-A2309	91.00 3.543	50.00 1.968	M-42.00 M-1.653	30	69.46 2.734	60.00 x 35.00 2.362 x 1.377	4	8.08 0.318	JAP PTO
2-2-A2319	100.00 3.937	53.00 2.087	F-57.00 F-2.244	30	84.00 3.307	EQUALLY SPACED	6	8.00 0.315	METRIC DIN 100 x 6M8
2-2-A2329	100.0 3.937	53.00 2.087	F-57.00 F-2.244	30	N/A	N/A	N/A	N/A	SEMI FINISHED 100mm O.D.
2-2-A2339	120.00 4.724	52.00 2.047	F-75.00 F-2.953	30	N/A	N/A	N/A	N/A	SEMI FINISHED 120mm O.D.
2-2-A2349	120.00 4.724	43.00 1.693	M-40.00 M-1.575	15		83.20 x 48.00 3.276 x 1.890	4	12.20 0.480	TRANSIT G/BOX FLANGE
2-2-A2359	120.00 4.724	43.00 1.693	M-56.00 M-2.205	15		83.20 x 48.00 3.276 x 1.890	4	12.20 0.480	TRANSIT DIFF FLANGE
2-2-899-1	85.00 3.346	41.50 1.634	M-57.15 M-2.250		69.85 2.750	44.91 x 53.50 1.768 x 2.106	4	7.92 0.312	1140 FACE
2-2-1169	119.86 4.719	45.23 1.781	M-65.00 M-2.560		95.26 3.750	EQUALLY SPACED	4	12.20 0.480	1310 x NISSAN
2-2-1309	102.00 4.016	45.23 1.781	M-50.00 M-1.969		81.28 3.200	EQUALLY SPACED	4	10.30 0.406	NISSAN 300ZX & NAVARA

AVAILABLE WHILE STOCKS LAST

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HARDY SPICER 1310

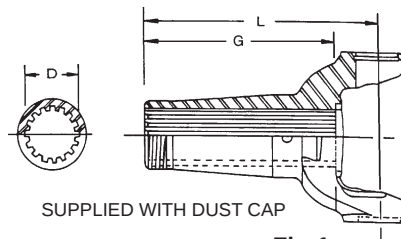


Fig-1

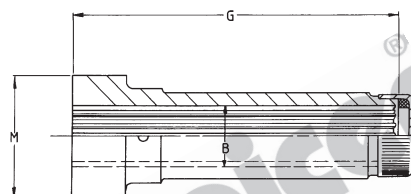


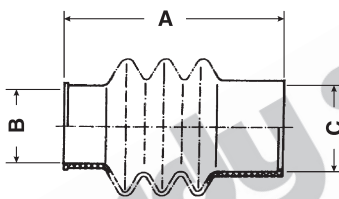
Fig-2

1310

SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KIT	COMMENTS
2-3-A560	1	34.93-16 1.375	126.00 4.960	101.00 3.976	20	DCK30A	FOR SHORT COUPLED SHAFTS
2-3-A670	1	34.93-16 1.375	140.00 5.510	115.00 4.528	20	DCK30A	STANDARD
2-3-5221KX	1	34.93-16 1.375	173.02 6.812	138.00 5.433	30	DCK30A	MEDIUM
2-3-5821KX	1	34.93-16 1.375	200.00 7.875	161.93 6.375	30	DCK30A	LONG
2-55-A0118	2	34.93-16 1.375	N/A	150.00 5.906	N/A	DCK30A	SEMI FINISHED SLEEVE BUTT SIZE "M" = 65mm x 50mm

Alternate splined dust cap kit = **DCK31B**



1310

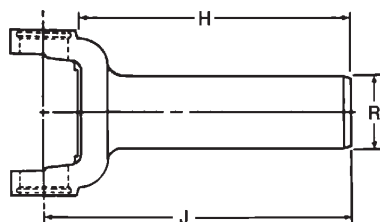
SLIP YOKE BOOT

PART No.	LENGTH A	MAJOR I.D. B	MINOR I.D. C	COMMENTS
94-GB3872	130.00 5.118	50.80 2.000	41.30 1.625	

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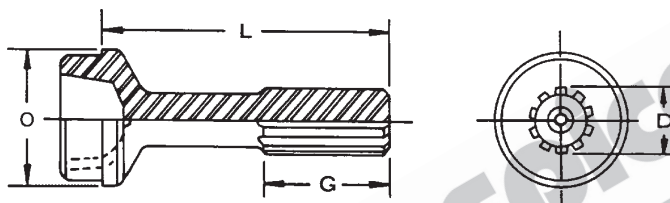
1310 HARDY SPICER



1310 REVERSE SLIP

PART No.	SPLINE O.D. & No.	GROUND SLEEVE R	LENGTH OF HOLE H	C/L TO END OF SPLINE J	COMMENTS
2-3-A3571	34.93-10 1.375	44.00 1.732		75.00 2.953	SLEEVE IS TURNED ONLY HAMILTON JET APPLICATIONS
2-3-1331X	29.70-16 1.170	38.10 1.500		123.80 4.875	EARLY T10, POWER GLIDE
2-3-6081X	30.22-27 1.190	38.10 1.500		138.90 5.470	T700, TRIMATIC, POWER GLIDE, HOLDEN 3 & 4 SPD
2-3-8251X	30.98-28 1.220	38.10 1.500		165.10 6.500	FORD C4, SINGLE RAIL B/W, C10
2-3-A3678	33.68-30 1.326	42.78 1.684	148.00 5.827	183.00 7.205	CHRYSLER/DODGE 727
2-3-14001X	32.62-30 1.284	41.95 1.656		156.50 6.161	COMMODORE VL TURBO MANUAL NISSAN 300ZX TURBO
2-3-15631X	35.10-31 1.390	42.80 1.684		177.80 7.000	FORD FMX, C6, TOPLOADER

OTHER REVERSE SLIP YOKES ALSO AVAILABLE ON REQUEST



1310 STUB

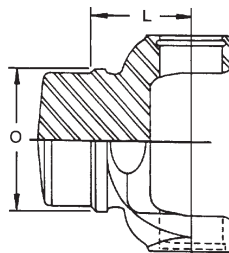
SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
2-42-A1331	34.93-16 1.375	HC	58.00 2.280	168.00 6.610	S	63.50 x 2.41 2.500 x 0.095	2013-0000	MEDIUM
K2-42-GB2701	34.93-16 1.375	HC	58.00 2.280	129.00 5.079	H	50.80 x 2.41 2.000 x 0.095	1613-0000	STANDARD
K2-42-GB2721	34.93-16 1.375	HC	58.00 2.280	129.00 5.079	H	63.50 x 2.41 2.500 x 0.095	2013-0000	
2-40-1851	34.93-16 1.375	HC	57.15 2.250	191.29 7.531	H	63.50 x 2.11 2.500 x 0.083	2014-0000	LONG
2-40-1221	34.93-16 1.375	HC	57.15 2.250	163.53 6.438	H	76.20 x 1.65 3.000 x 0.065	2416-0000	
2-42-300	34.93-16 1.375	S	300.00 11.811					SPLINED BAR

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HARDY SPICER 1310

BUTT TYPE:
H=HOLLOW
S=SOLID



1310

WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
2-26-GB1417	42.00 1.653	50.80 x 2.41 2.000 x 0.095	1613-0000	H	20	
2-28-357	42.00 1.653	50.80 x 2.11 2.000 x 0.083		H	20	
2-26-2604#	42.00 1.653	50.00 x 3.00 1.968 x 0.118	50X3MM	H	20	
2-26-A1727	47.00	63.50 x 2.41 2.500 x 0.095	2013-0000	H	20	
2-28-367	46.83 1.844	63.50 x 2.11 2.500 x 0.083	2014-0000	H	30	
2-26-GB2917	55.00 2.165	69.85 x 1.65 2.750 x 0.065	2216-0000	H	30	
2-28-307	55.00 2.165	69.85 x 1.65 2.750 x 0.065	2216-0000	S	30	
2-28-327	42.85 1.687	76.20 x 1.65 3.000 x 0.065	2416-0000	H	20	
2-28-557	42.85 1.687	82.55 x 1.65 3.250 x 0.065	2615-0000	H	21.5	
2-28-397	42.85 1.687	88.90 x 1.65 3.500 x 0.065	2816-0000	H	21.5	

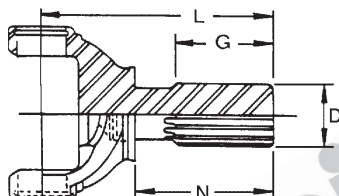
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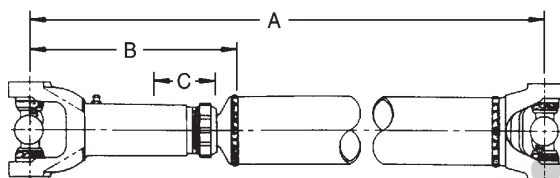
1310 HARDY SPICER

SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1310 STUB YOKE

PART No.	SPLINE DIA. & No.	LENGTH OF SPLINE	C/LINE TO END OF SPLINE	SHOULDER TO END OF SPLINE	SPLINE TYPE	MAX. ANGLE	COMMENTS
	D	G	L	N			
2-82-21	34.93-16 1.375	57.15 2.250	134.94 5.313	94.46 3.719	HC	20	
2-82-A111	34.93-16 1.375	51.00 2.008	167.00 6.575	108.00 4.250	HC	30	
2-82-424	34.93-16 1.375	60.00 2.362	170.00 6.693	118.00 4.646	HC		



1310 TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 41.1mm (1.62")

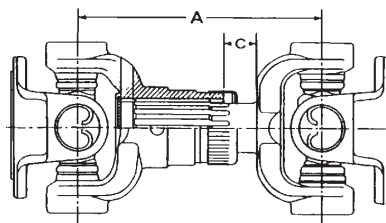
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
2-3-A670	K2-42-GB2701	156.00 6.142	51.00 2.008	246.10 9.690	2-26-GB1417	20	1613-0000 2.000 x 0.095
2-3-A670 See Note	K2-42-GB2721	156.00 6.142	51.00 2.008	246.10 9.690	2-26-A1727	20	2013-0000 2.500 x 0.095
2-3-5221KX	2-42-A1331	206.00 8.110	80.00 3.150	289.10 11.380	2-26-A1727	20	2013-0000 2.500 x 0.095
2-3-5821KX Machine butt to 2.50" x 0.095"	2-40-1851	230.00 9.050	100.00 3.940	315.00 12.400	2-26-A1727	20	2013-0000 2.500 X 0.095

Note : Also available as Unwelded Shaft **1310-PSA-1500** complete with 2-2-329 Flanges

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HARDY SPICER 1310

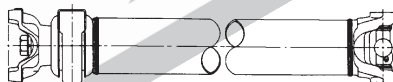


1310

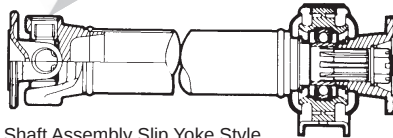
SHORT COUPLED ASSEMBLY CHART

SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY. 20	COMMENTS
2-3-A560	2-82-A111	53.00 2.090	182.00 7.170	20	
2-3-A670 * OR 2-3-A560*	2-82-21	39.30 1.470	159.80 6.290	20	* Shorten Slip Yoke to 119.5mm (4.70")
2-3-A670	2-82-424	50.00 1.970	192.00 7.560		

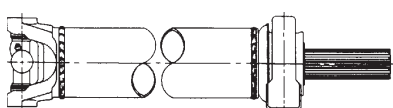
Shaft Assembly End Yoke Style



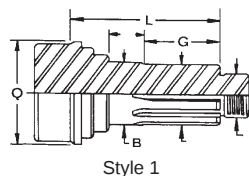
Companion Flange Style



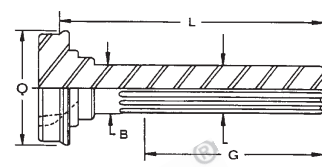
Shaft Assembly Slip Yoke Style



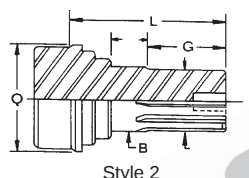
Midship Stubs



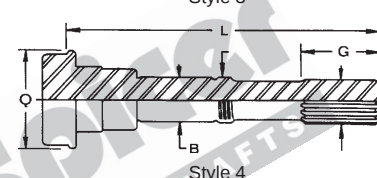
Style 1



Style 3



Style 2



Style 4

1310

CENTRE BEARING ASSEMBLY

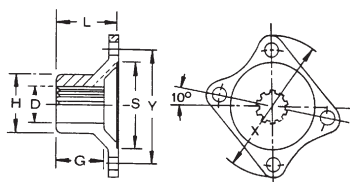
MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
3-53-1351	3	34.93-16 1.375	126.24 4.970	205.50 8.690	2500 x 0.083	35.00 1.378	210088-1X or 211187X	2-3-A670 SLIP YOKE	HARDY COATED USES DUST CAP DCK31B
2-57-GB1441	1	34.93-10 1.375	36.00 1.417	91.50 3.602	2500 x 0.065	35.00 1.378	210088-1X	2-1-GB2831 C/FLANGE	NUT 94-GB2201 WASHER 510-2400
2-57-GB1441	1	34.93-10 1.375	36.00 1.417	91.50 3.602	2500 x 0.065	35.00 1.378	210088-1X	*2-4-2671 END YOKE	NUT 94-GB2201 WASHER 510-2400
2-57-3900	2	25.40-23 1.000		92.50 3.634	2000 x 0.095	30.00 1.181	FD-30-5210	2-4-4100	MS STUB SUPPLIED WITH BOLT & WASHER
2-57-4301	2	25.40-23 1.000		111.30 4.382	2416-0000 3.000 x 0.065	30.00 1.181	FD-30-5210	2-4-4100	MS STUB SUPPLIED WITH BOLT & WASHER

*2-4-2671 END YOKE REQUIRES SHORTENING BY 8MM FOR CORRECT NUT FITMENT.

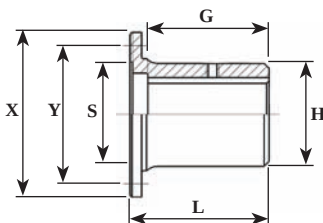
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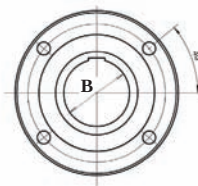
1310 HARDY SPICER



CIRCULAR TYPE - SPLINED HOLE



CIRCULAR TYPE - ROUND HOLE

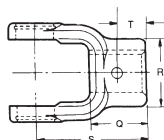


1310 COMPANION FLANGE

PART No.	HOLE/ SPLINE O.D. & No. D	GROUND HUB O.D. H	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No.	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN	NOTES
K2-1-A0413*	12.70 0.500	63.50 2.500	62.00 2.441	59.00 2.322	9.78x4 0.385	79.37 3.125	F-60.32 F-2.375	95.00 3.740	60.80x51.02	ROUND HOLE TYPE
2-1-A1581**	34.93-10 1.375	66.00 2.598	50.00 1.969	34.00 1.339	11.45x4 0.451	107.95 4.250	M-79.38 M-3.125	126.00 4.961	EQUALLY SPACED	SPLINED HOLE TYPE
2-1-GB2831	34.93-10 1.375	52.40 2.062	60.50 2.382	36.80 1.449	9.78x4 .385	79.37 3.125	F-60.32 F-2.375	95.00 3.74	60.8x51.02	SPLINED HOLE TYPE FITS 2-57-GB1441

* = Hub machined only, maximum bore with std key is 38.10mm (1.500")

**= While stock lasts suits 2-57-A1811 only (N.L.A.)



1310 END YOKE - FULL ROUND

ROUND HOLE							
PART No.	BORE & KEY P x X	HUB O.D. R	LENGTH OF OF HUB Q	C/L TO END OF HUB S	JOINT ANGLE	END OF HUBS TO C/L OF SET SCREW HOLE T	COMMENTS
2-4-583	22.49 x 6.35 0.875 x 0.250	53.98 2.125	41.28 1.625	65.07 2.562	17	15.87 0.625	
2-4-473	25.40 x 6.35 1.000 x 0.250	53.98 2.125	41.28 1.625	65.07 2.562	17	15.87 0.625	
2-4-503	28.58 x 6.35 1.125 x 0.250	53.98 2.125	41.28 1.625	65.07 2.562	17	15.87 0.625	
2-4-533	31.75 x 7.92 1.250 x 0.312	53.98 2.125	41.28 1.625	65.07 2.562	17	15.87 0.625	
2-4-1233	38.01 x 9.53 1.500 x 0.375	53.98 2.125	41.28 1.625	65.07 2.562	17	15.87 0.625	

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HARDY SPICER 1310

Fig 1

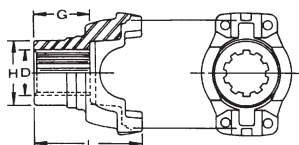
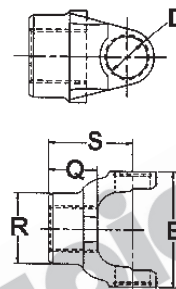


Fig 2



1310

END YOKE - SPLINED

SPLINED HOLE							
PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF HUB G	C/L TO END L	JOINT ANGLE	FIG	COMMENTS
2-4-2821X	28.58-10 1.125	39.67 1.562	38.10 1.500	76.20 3.000	25	1	U-BOLT KIT TO SUIT PART No. 102
2-4-2671	34.93-10 1.375	52.40 2.063	44.50 1.750	81.76 3.219	21	1	U-BOLT KIT TO SUIT PART No. 102
2-4-3331	22.22-13 0.875	50.80 2.000	39.80 1.567	65.07 2.562	30	2	HYDRAULIC PUMP APPLICATIONS
2-4-1741*	31.75-14 1.250	53.98 2.125	38.10 1.500	65.07 2.562	17	1	HYDRAULIC PUMP APPLICATIONS
2-4-4921*	25.40-15 1.000	53.85 2.120	37.34 1.470	63.50 2.500	20	2	HYDRAULIC PUMP APPLICATIONS
2-4-4100	25.40-23 1.000	36.00 1.417	45.90 1.807	80.20 3.157	17	2	TRANSIT
2-4-8091X	29.11-26 1.146	39.67 1.562	38.10 1.500	76.20 3.000	25	1	U-BOLT KIT TO SUIT PART No. 102
2-4-6561-1	29.11-26 1.146	39.67 1.562	38.10 1.500	76.20 3.000	30	1	BEARING STRAP KIT TO SUIT 2-70-18X
2-4-6901-1X	29.11-26 1.146	46.84 1.844	34.92 1.375	74.63 2.938	23	1	BEARING STRAP KIT TO SUIT 2-70-18X
2-4-3104-28	31.10-28 1.229	46.00 1.811	61.60 2.425	102.40 4.031		1	9" DIFF YOKE - 27mm CAP
2-4-3104-06	31.10-28 1.229	46.00 1.811	61.60 2.425	102.40 4.031		1	9" DIFF YOKE - 28.58mm CAP
2-4-3104-06LONG	31.10-28 1.229	46.00 1.811	61.60 2.425	127.78 5.031		1	9" DIFF YOKE - 28.58mm CAP
2-4-4191	35.59-32 1.401	53.98 2.125	50.80 2.000	87.33 3.438	22	1	U-BOLT KIT TO SUIT PART No. 102

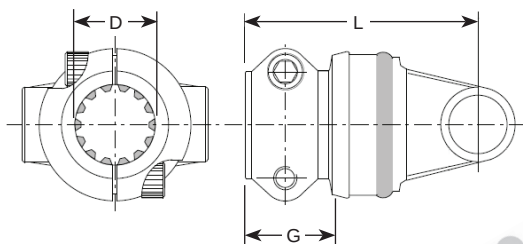
*INDENT ITEM

OTHER END YOKES ALSO AVAILABLE ON REQUEST

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1310 HARDY SPICER



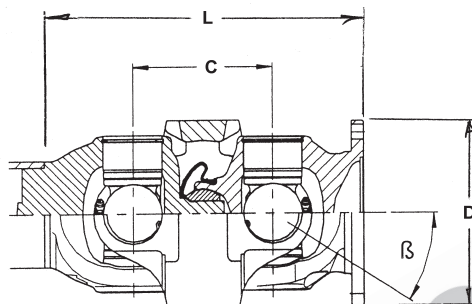
1310 CLAMP LOCK END YOKES

SPLINED HOLE					
PART No.	SPLINE O.D. & No. D	SPLINE TYPE	LENGTH OF SPLINE G	C/L TO END L	COMMENTS
84/02/13103	22.22-13 0.875	16/32 SAE B	48.00 1.890	110.00 4.331	
84/02/13104	25.40-15 1.000	16/32 SAE BB	48.00 1.890	110.00 4.331	
84/13104	25.40-15 1.000	16/32 SAE BB	48.00 1.890	82.50 3.250	1 PIECE
84/02/13106	31.75-14 1.250	12/24 SAE C	48.00 1.890	110.00 4.331	USE 2-4-13106
2-4-13106	31.75-14 1.250	12/24 SAE C	50.00 1.967	82.50 3.250	1 PIECE
84/02/13107	34.93-21 1.375	16/32	48.00 1.890	110.00 4.410	
84/13107	34.93-21 1.375	16/32	50.00 1.968	82.50 3.250	1 PIECE
84/02/13132	38.10-17 1.500	12/24 SAECC	45.00 1.772	110.00 4.331	
84/13132	38.10-17 1.500	12/24 SAECC	50.00 1.967	82.50 3.250	1 PIECE

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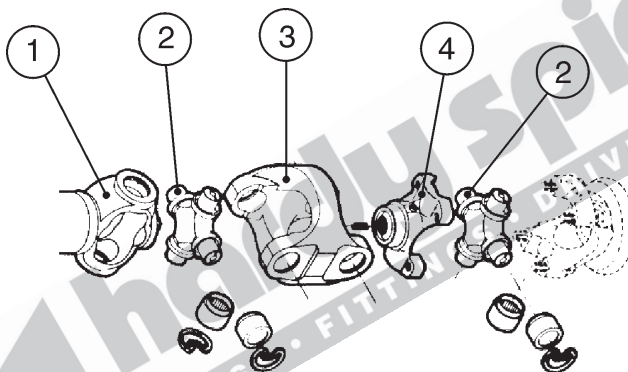


1310

DOUBLE CARDAN ASSEMBLY

DOUBLE CARDAN ASSEMBLY PART No.	FLANGE DIA.	C/LINE TO C/LINE	FLANGE FACE TO WELD	BOLT HOLE PATTERN	SPIGOT DIA	TUBE SIZE	MAX ANGLE	COMMENTS
	D	C	L			O	β	
9122867	115.00 4.528	68.32 2.690	150.00 5.906	63 x 63 2.478 x 2.478	50.80 - F 2.000 - F	50.8x3MM 2.000 x 0.120	30	JEEP, MUSSO (NON GREASEABLE)

COMPLETE ASSEMBLY PART #	WELDED PIN YOKE	U/JOINT KIT	CENTRE YOKE	CENTERING FLANGE YOKE <i>includes ball kit</i>	BALL REPAIR KIT	COMMENTS
9122867	2-28-2867X	5-433-1X	2-26-427	211543X	SCV-82B	SUIT 2 x .120 TUBE
	2-28-2887X	5-433-1X	2-26-427	211543X	SCV-82B	SUIT 2.500 x .083 TUBE



1310

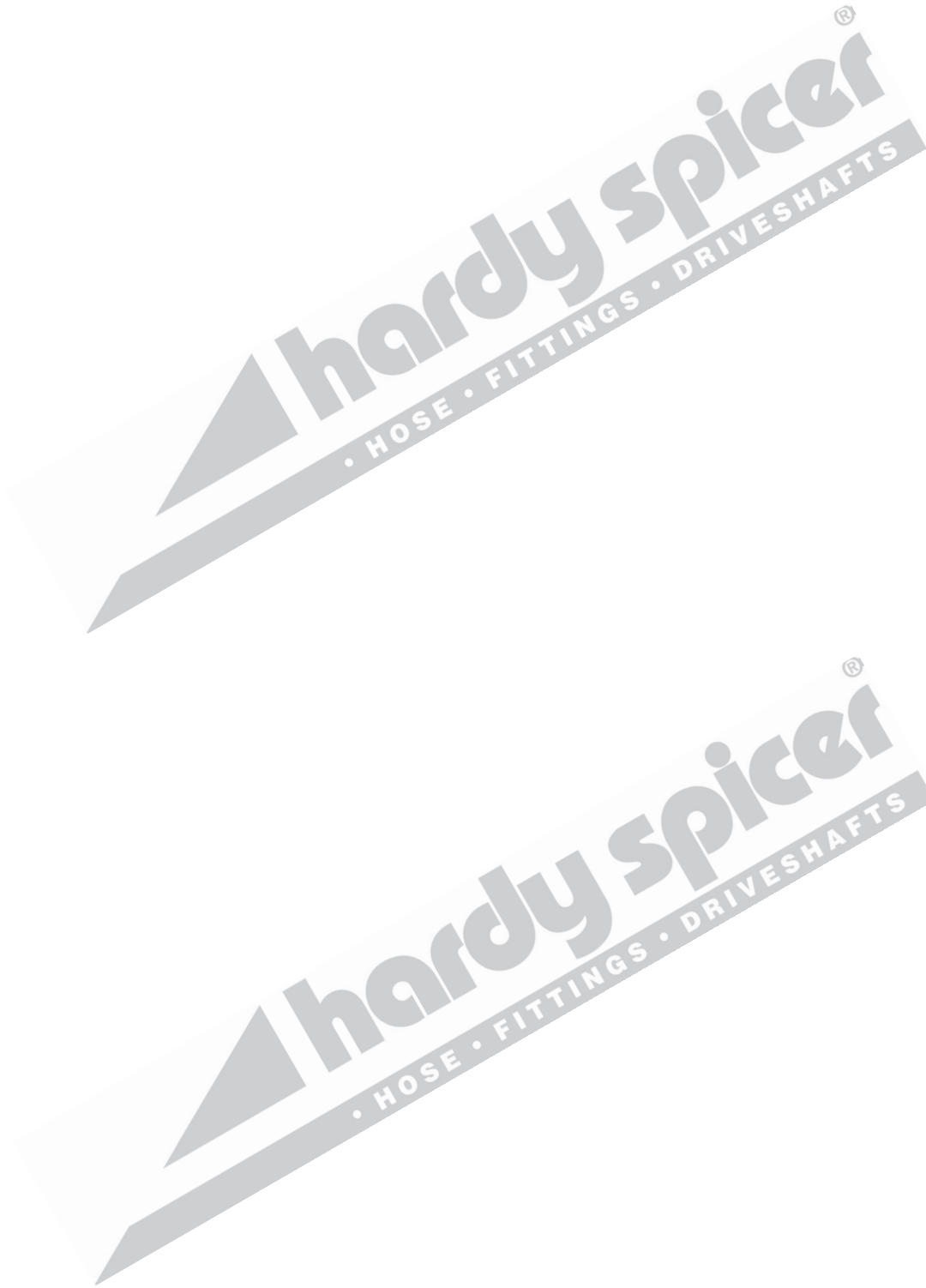
DOUBLE CARDAN

COMPLETE ASSEMBLY PART #	WELDED PIN YOKE	U/JOINT KIT	CENTRE YOKE	CENTERING YOKE <i>includes ball kit</i>	BALL REPAIR KIT	COMMENTS
	1	2	3	4		
912747	2-28-1747X	5-433-1X	2-26-427 2.690"	211355X	SCV-82A	SUIT 2.500 x .083 TUBE

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1310 HARDY SPICER


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HARDY SPICER 1330

C = 26.99
1.06
B1 = 92.08
3.62
B2 = 70.00
2.75

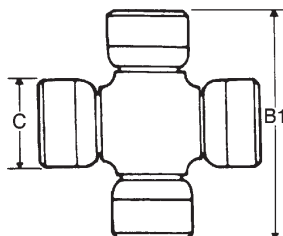


FIG. 1

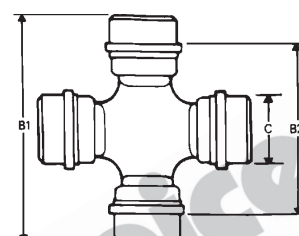


FIG. 2

1330

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-213X	SIDE	1	STANDARD
RUJ-3002	SIDE	2	C/W 4 SNAP RINGS & 4 CIRCLIPS (ALT. STANDARD)
5-618XD	NIL	1	SOLID CROSS

1330

CONVERSION UNIVERSAL JOINT KIT

Refer to Section B:1 for dimensional data & hardware kits

PART No.	LUBE	DESCRIPTION
5-212X		DIFF APPLICATIONS
5-150X		CONVERSION 1330 28.58MM CAPS - 1310 SERIES
RUJ-3000		CONVERSION 1330 - 1330 SERIES 28.58MM CAPS
5-633XD		CONVERSION 1330 - 1330 SERIES 28.58MM CAPS SOLID CROSS
5-134X		CONVERSION 1330 - 1310 SERIES
K5-A537		CONVERSION 1330 - 1350 SERIES
K5-A541		CONVERSION 1330 - 1350 SERIES 28.58MM CAPS
114-596		CONVERSION 1330 - 3R SERIES
5-314X		CONVERSION 1330 - 3C SERIES

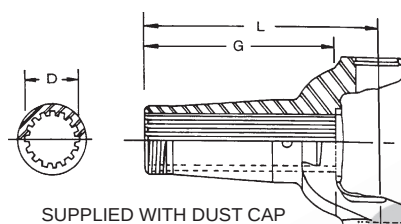


Fig-1

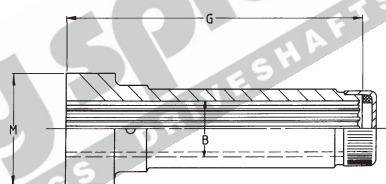


Fig-2

1330

SLIP YOKE

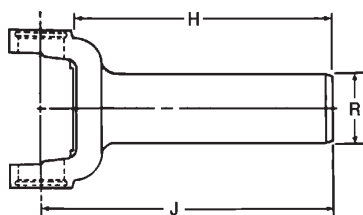
PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KIT	COMMENTS
2-3-7481KX	1	34.93-16 1.375	190.50 7.500	166.00 6.535	19	DCK30A	
2-55-A0118	2	34.93-16 1.375	N/A	150.00 5.906	N/A	DCK30A	SEMI FINISHED SLEEVE BUTT SIZE "M" = 65mm x 50mm

ALTERNATIVE SPLINED DUST CAP KIT = DCK31B

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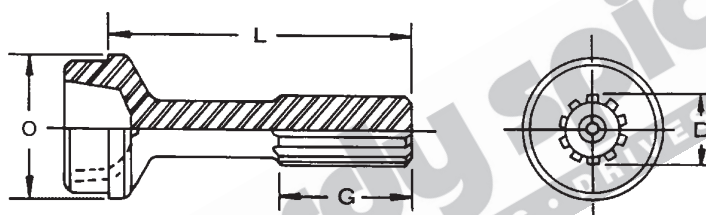
1330 HARDY SPICER



1330 REVERSE SLIP

PART No.	SPLINE O.D. & No.	GROUND SLEEVE R	LENGTH OF HOLE H	C/L TO END OF SPLINE J	COMMENTS
2-3-12051X#	30.23-27 1.190	38.10 1.500	133.60 5.260	171.70 6.760	HOLDEN, GM
2-3-5981X	30.96-28 1.219	38.10 1.500	126.52 4.981	150.01 5.906	FORD C4, C10, SINGLE RAIL B/W
2-3-6041X	35.33-31 1.391	42.88 1.688	128.91 5.075	152.40 6.000	FORD C6, FMX, TOPLOADER
2-3-10201X	35.33-31 1.391	47.88 1.885	128.91 5.075	177.80 7.000	FORD C6, FMX (US TRUCK)

INDENT PART. OTHER REVERSE SLIP YOKES ALSO AVAILBLE ON REQUEST



1330 STUB

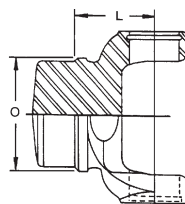
SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
2-40-1851	34.93-16 1.375	HC	57.15 2.250	191.29 7.531	H	63.50 x 2.41 2.500 x 0.095	2013-0000	LONG
2-40-1221	34.93-16 1.375	HC	57.15 2.250	163.53 6.438	H	76.20 x 1.65 3.000 x 0.065	2416-0000	STANDARD

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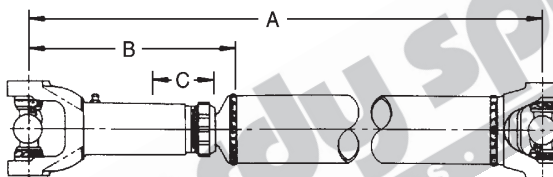
BUTT TYPE:
H=HOLLOW
S=SOLID



1330

WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
2-28-1177	43.66 1.719	76.20 x 1.65 3.000 x 0.065	2416-0000	H	25	
2-28-1697	43.66 1.719	76.20 x 2.11 3.000 x 0.083	2414-0000	H	25	
2-28-1707	43.66 1.719	63.50 x 2.11 2.500 x 0.083	-	H	25	
2-28-1977	46.02 1.812	88.90 x 1.65 3.500 x 0.065	2816-0000	H	-	



1330

TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 41.1mm (1.62")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
2-3-7481KX	2-40-1221	215.80 8.500	108.80 4.280	301.46 11.860	2-28-1177	25	2416-0000 3.000 x 0.065

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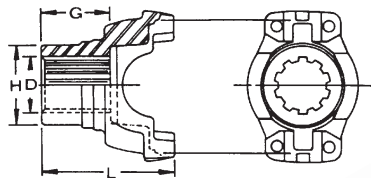
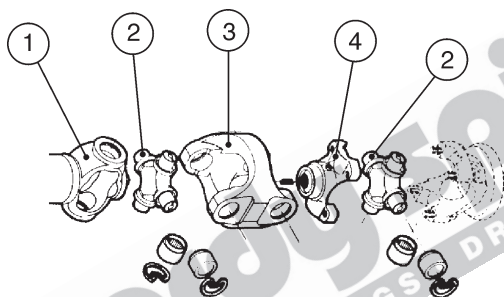


Fig 1

1330 END YOKE - SPLINED

SPLINED HOLE

PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	FIG	COMMENTS
2-4-3304-06	31.10-28 1.229	46.00 1.811	61.60 2.425	102.40 4.031		1	9" DIFF YOKE - 28.58mm CAP
2-4-3304-06LONG	31.10-28 1.229	46.00 1.811	61.60 2.425	127.78 5.031		1	9" DIFF YOKE - 28.58mm CAP



1330 DOUBLE CARDAN

COMPLETE ASSEMBLY PART #	WELDED PIN YOKE	U/JOINT KIT	CENTRE YOKE	CENTERING YOKE <i>includes ball kit</i>	BALL REPAIR KIT	COMMENTS
910811	2-28-2137X	RUJ-3002	2-26-407	21179X	SCV-82A	SUIT 2.500 x .083 TUBE

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HARDY SPICER 1350

C = 30.16
1.18
B1 = 92.08
3.62
B2 = 65.07
2.56

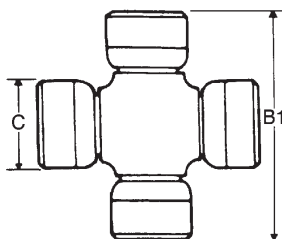


FIG. 1

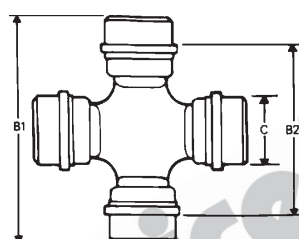


FIG. 2

1350

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-178X	SIDE	1	STANDARD JOINT
5-178-4X	CAP	1	4 GREASE NIPPLES
5-178XHD	NONE	1	HEAVY-DUTY NON LUBE WITH THRUST WASHERS
5-178XLHD	SIDE	1	HEAVY-DUTY WITH LUBE WITH THRUST WASHERS
5-627XD	NONE	1	HEAVY-DUTY SOLID CROSS
RUJ-3001	SIDE	2	C/W 4 SNAP RINGS & 4 CIRCLIPS

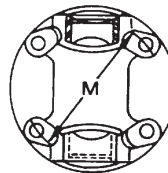
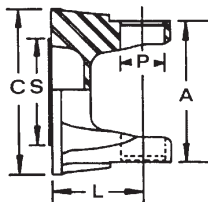
1350

CONVERSION UNIVERSAL JOINT KIT

Refer to Section B:1 for dimensional data & hardware kits

PART No.	LUBE	DESCRIPTION
K5-A537		CONVERSION 1350 - 1330 SERIES
K5-A541		CONVERSION 1350 - 1330 SERIES
5-460X		CONVERSION 1350 - 1310 SERIES

A - 98.42
3.87
P - 30.16
1.18



1350

FLANGE YOKE

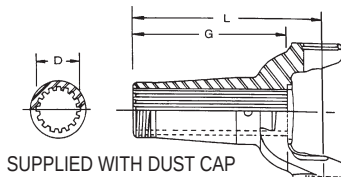
PART No.	FLANGE DIA. C	C/L OF U.J. TO FACE L	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
3-2-119	115.00 4.527	40.00 1.574	M-69.85 M-2.750	20	95.25 3.750	61.23 x 72.96 2.410 x 2.872	4	11.11 0.438	STANDARD
K3-2-GB4309	100.00 3.937	55.00 2.165	F-57.00 F-2.244	20	-	-	-	-	SEMI FINISH 100mm OD
K3-2-GB4339	120.00 4.724	70.00 2.756	F-75.00 F-2.952	20	-	-	-	-	SEMI FINISH 120mm OD
K3-2-GB4319	100.00 3.937	55.00 2.165	F-57.00 F-2.244	20	84.00 3.307	EQUAL	6	8.00 0.315	METRIC DIN 100
K3-2-GB4329#	120.00 4.724	70.00 2.755	F-75.00 F-2.952	20	101.5 4.00	EQUAL	8	10.00 0.438	METRIC DIN 120
3-2-1879	133.35 5.250	41.00 1.618	F-65.00 F-2.559		107.95 4.250	EQUAL	4	12.75 0.500	NISSAN PATROL
3-2-300	130.00 5.117	45.00 1.771	F-50.80 F-2.000	20	107.95 4.250	76.00 x 76.00 2.992 x 2.992	4	12.75 0.500	TRANSIT REAR
3-2-301	130.00 5.118	45.00 1.771	F-17.0 HOLE F-0.669	20	107.95 4.250	76.00 x 76.00 2.992 x 2.992	4	12.75 0.500	TRANSIT FRONT
3-2-120SF	120.00 4.724	40.00 1.574	M-80.0 Nominal 3.150	20	-	-	-	-	SEMI FINISHED STEEL
3-2-352-75M		40.00 1.574	M-75.00 M-2.952	20	100.00 3.937	64 x 77 2.520 x 3.031	4	12.00 0.472	JAP PTO

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1350 HARDY SPICER



SUPPLIED WITH DUST CAP

Fig-1

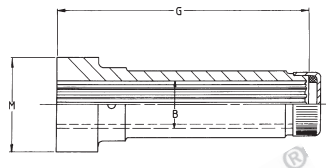
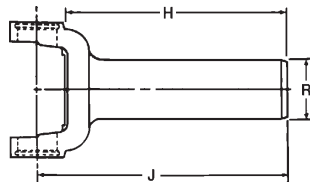


Fig-2

1350 SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KITS	COMMENTS
K3-3-A780	1	34.93-16 1.375	148.00 5.827	120.00 4.724	20	DCK35C	FOR MID SHIP STUB APPS.
3-3-388KX	1	38.09-16 1.500	100.03 3.938	77.80 3.063	20	DCK35A	
3-3-598KX	1	38.09-16 1.500	147.63 5.812	120.00 4.724	20	DCK35A	
K3-3-A860	1	38.09-16 1.500	187.00 7.360	159.00 6.260		DCK35A	
3-3-2801X*	1	38.09-15 1.500	187.00 7.360	157.00 6.181	30	211158X	15 SPLINE BASED ON 16 * DUST CAP SOLD SEPARATELY
3-55-A0128	2	38.09-16 1.500	N/A	178.00 7.008		DCK35A	BUTT SIZE "M" = 89mm x 38mm SEMI FINISHED SLEEVE

ALTERNATIVE SPLINED DUST CAP KIT= DCK35B



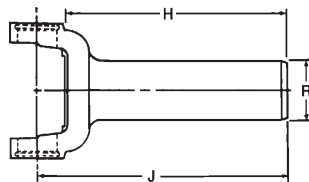
1350 REVERSE SLIP

PART No.	SPLINE O.D. & No.	GROUND SLEEVE R	LENGTH OF HOLE H	C/L TO END OF SPLINE J	COMMENTS
3-3-848X	35.59-21 1.401	46.48 1.830	-	134.92 5.312	JOHN DEERE (SLEEVE DIAMETER NOT GROUND)
3-3-3558	30.48-23 1.200	39.95 1.573	120.00 4.724	155.00 6.102	TOYOTA SUPRA TURBO
3-3-3318	28.27-25 1.113	37.95 1.494	120.00 4.724	155.00 6.102	MAZDA TURBO
3-3-4281X	30.23-27 1.190	38.10 1.500	120.00 4.724	154.00 6.060	GM POWERGLIDE
3-3-3158	30.98-28 1.220	38.10 1.500	120.00 4.724	155.00 6.102	C4, FORD 28 SPLINE, C10, SINGLE RAIL B/W
3-3-3738	32.61-30 1.284	41.95 1.652	118.00 4.646	155.00 6.102	NISSAN TURBO, 300ZX, SKYLINE
3-3-3851X	35.33-31 1.391	42.88 1.685	125.00 4.921	164.00 6.457	FMX, C6, FORD TOPLOADER
K3-3-A3658 INVOLUTE	35.50-32 1.397	47.83 1.885		200.00 7.874	SUITS SUPER T10. HOLE IN WELSH PLUG
K3-3-A3698	35.50-32 1.397	47.83 1.883		200.00 7.874	SUITS TURBO 400 - COUNTER BORED

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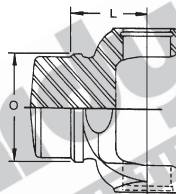


1350

PERFORMANCE SLIP YOKES

PART No.	SPLINE O.D. & No.	GROUND SLEEVE R	LENGTH OF HOLE H	C/L TO END OF SPLINE J	COMMENTS
3-3-U1662	30.23-27 1.190	38.10 1.500	122.00 4.803	154.00 6.060	POWERGLIDE, TURBO 350, 4L60E, MUNCIE STREET SERIES
3-3-U1667	30.23-27 1.190	38.10 1.500	114.00 4.488	140.00 5.512	POWERGLIDE, TURBO 350, 4L60E, MUNCIE STRANGE 17-4 HIGH TENSILE STAINLESS STEEL
3-3-U1667N	30.23-27 1.190	38.10 1.500	114.00 4.488	140.00 5.512	HARDENED YOKE FOR ROLLER BEARING P/GLIDE STRANGE 17-4 HIGH TENSILE STAINLESS STEEL
3-3-U1668	30.98-28 1.220	38.10 1.500	122.00 4.803	148.00 5.826	C4, T5, B/W S/RAIL, TREMEC 3550, C10 STRANGE 17-4 HIGH TENSILE STAINLESS STEEL
3-3-U1666	33.68-30 1.326	42.78 1.684	128.00 5.039	154.00 6.063	CHRYSLER, DOUG NASH TRANSMISSIONS STRANGE 17-4 HIGH TENSILE STAINLESS STEEL
3-3-U1669	35.33-31 1.391	42.88 1.685	128.00 5.039	154.00 6.063	FMX, C6, T45, FORD TOPLOADER STRANGE 17-4 HIGH TENSILE STAINLESS STEEL
3-3-U1650	35.50-32 1.397	47.83 1.885	110.00 4.331	140.00 5.512	TURBO 400, 4L80E, SUPER T10 STREET SERIES
3-3-U1664	35.50-32 1.397	47.83 1.885	114.00 4.488	140.00 5.512	TURBO 400, 4L80E, SUPER T10 STRANGE 17-4 HIGH TENSILE STAINLESS STEEL
3-3-U1664N	35.50-32 1.397	47.83 1.883	114.00 4.488	140.00 5.512	HARDENED YOKE FOR ROLLER BEARING TURBO 400 STRANGE 17-4 HIGH TENSILE STAINLESS STEEL

BUTT TYPE:
H=HOLLOW
S=SOLID



1350

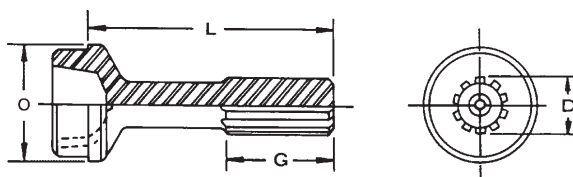
PERFORMANCE WELD YOKES

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
3-28-U1672	57.00 2.244	76.20 x 2.11 3.000 x 0.083	2414-0000CM	H		STRANGE 4130 CHROME-MOLY
3-28-U1673	52.00 2.047	88.90 x 2.11 3.500 x 0.083	35-60CM	H		TUBE IS IN 60" LENGTH ONLY STRANGE 4130 CHROME-MOLY

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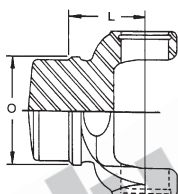
1350 HARDY SPICER



1350 STUB

SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
K3-42-A451	38.09-16 1.500	HC	76.20 3.000	185.00 7.280	H	76.20 x 2.41 3.000 x 0.095	2413-0000	
K3-42-GB3081	38.09-16 1.500	HC	76.20 3.000	153.18 6.031	S	76.20 x 2.41 3.000 x 0.095	2413-0000	
K3-42-A1131	38.09-16 1.500	HC	65.00 2.560	155.00 6.100	H	76.20 x 2.41 3.000 x 0.095	2413-0000	STANDARD
K3-42-A3631	38.09-16 1.500	HC	75.00 2.953	197.00 7.756	S	65.00 x 1.60 2.559 x 0.063	65X1-6MM	LONG
K3-42-A1151	38.09-16 1.500	HC	65.00 2.560	185.00 7.283	H	76.20 x 2.41 3.000 x 0.095	2413-0000	LONG
K3-42-GB4301	38.09-16 1.500	HC	65.00 2.560	156.00 6.142	H	88.90 x 2.41 3.500 x 0.095	2813-0000	
3-42-300	38.09-16 1.500	ST	300.00 11.811					SPLINED BAR

BUTT TYPE:
H=HOLLOW
S=SOLID



1350 WELD YOKE

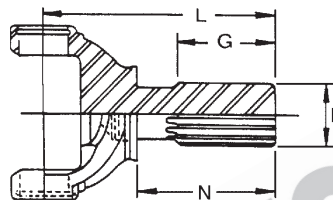
PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
K3-26-GB1717	50.80 2.000	76.20 x 2.41 3.000 x 0.095	2413-0000	H	20	STANDARD
K3-26-GB1667	49.20 1.937	63.50 x 2.41 2.500 x 0.095	2013-0000	H	20	
3-28-47	49.20 1.937	63.50 x 2.11 2.500 x 0.083	2014-0000	H	20	
3-28-57	50.80 2.000	76.20 x 2.11 3.000 x 0.083	2414-0000	H	20	
3-28-257	46.00 1.812	88.90 x 1.65 3.500 x 0.065	2816-0000	H	20	

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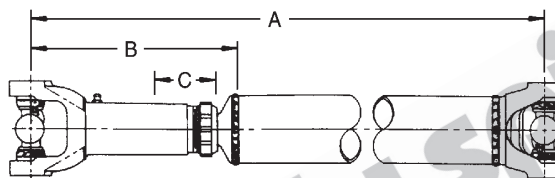
SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1350

STUB YOKE

PART No.	SPLINE DIA. & No.	LENGTH OF SPLINE	C/LINE TO END OF SPLINE	SHOULDER TO END OF SPLINE	SPLINE TYPE	MAX. ANGLE	COMMENTS
	D	G	L	N			
3-82-181	38.10-16 1.500	63.50 2.500	173.02 6.812	120.65 4.750	ST	20	
3-82-61	38.10-16 1.500	50.80 2.000	131.76 5.188	79.38 3.125	ST	8	



1350

TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 31.1mm (1.24")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
3-3-598KX	K3-42-A1131	183.00 7.200	57.00 2.240	265.30 10.440	K3-26-GB1717	20	2413-0000 3.000 x 0.095
K3-3-A860 See Note	K3-42-A1151	216.00 8.500	97.00 3.820	305.60 12.030	K3-26-GB1717	20	2413-0000 3.000 x 0.095

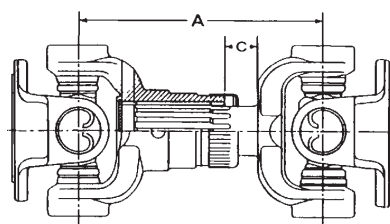
Note : Also available as Unwelded Shaft **1350-PSA-1500** complete with 3-2-119 Flanges

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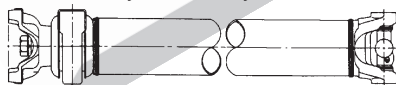
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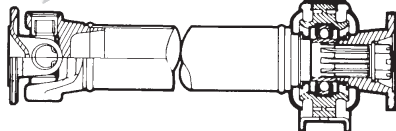
1350 SHORT COUPLED ASSEMBLY CHART

SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY. 8	COMMENTS
3-3-388KX	3-82-61	19.10 0.750	162.10 6.380	8	
3-3-598KX	3-82-181	53.85 2.120	203.20 8.000	20	

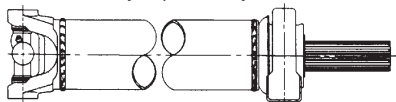
Shaft Assembly End Yoke Style



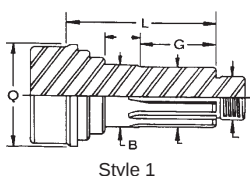
Companion Flange Style



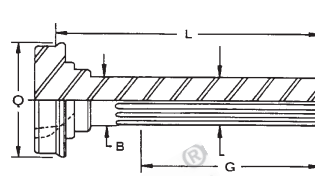
Shaft Assembly Slip Yoke Style



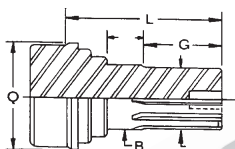
Midship Stubs



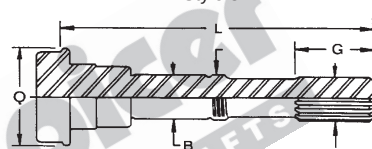
Style 1



Style 3



Style 2



Style 4

1350 CENTRE BEARING ASSEMBLY

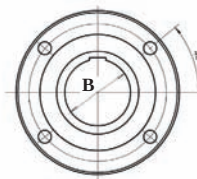
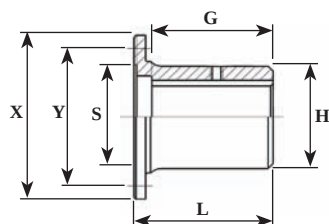
MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
3-54-611	1	34.93-10 1.375	42.88 1.688	101.60 4.000	2414-0000 3.000 x 0.083	35.00 1.378	210088-1X	3-4-178X END YOKE	U-BOLT TYPE USE 509-33 NUT
3-53-1551	3	38.10-15 1.500	75.00 2.950	242.0 9.520	2414-0000 3.000 x 0.083	40.00 1.575	210866X	3-3-2801X* SLIP YOKE	15 SPLINE BASED ON 16
K3-53-A1411	2	38.10-10 1.500	50.80 2.000	105.00 4.134	2413-0000 3.000 x 0.095	40.00 1.575	210391-1X	K3-1-GB6221 C/FLANGE	NUT 509-33
3-53-1361	3	34.93-16 1.375	126.24 4.97	205.50 8.094	2414-0000 3.000 x 0.083	35.00 1.378	210088-1X OR 211187X	K3-3-A780 SLIP YOKE	HARDY COATED
3-53-1371	3	34.93-16 1.375	112.52 4.438	179.00 7.64	2414-0000 3.000 x 0.083		210088-1X OR 211187X	K3-3-A780 SLIP YOKE	HARDY COATED

* ORDER DUST CAP SEPARATELY 211158X

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HARDY SPICER 1350

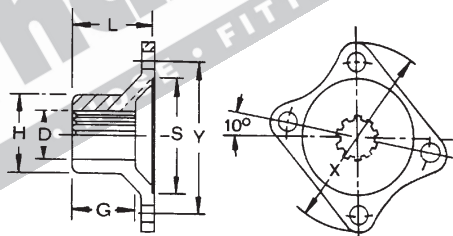


1350

COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No.	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN
K3-1-GB103	12.00 0.472	76.20 3.000	50.8 x 12.7 2.00"x 0.5"	65.00 2.562	50.80 2.000	11.2 x 4 0.440	95.25 3.750	F-69.85 F-2.750	115.00 4.527	61.23 x 72.96 2.410 x 2.872

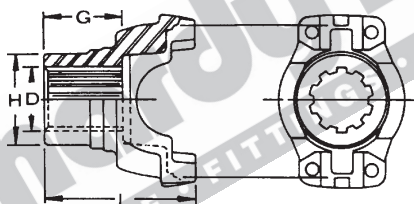


1350

COMPANION FLANGE

RECTANGULAR TYPE - SPLINED HOLE

PART No.	SPLINE O.D. & No.	HUB O.D.	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No.	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN	NOTES
K3-1-GB6221	38.10-10 1.500	49.20 1.937	68.30 2.689	51.00 2.008	11.2 x 4 0.440	95.25 3.750	F-69.85 F-2.750	118.00 4.527	61.23x72.96 2.410x2.872	
3-1-014	38.10-10 1.500		69.00 2.717	51.00 2.008	10.2 x 4 0.402	100.00 3.937	F-80.00 F-3.150	120.00 4.724	59 x 81 2.323x3.189	ISUZU FACE



1350

END YOKE - HALF ROUND

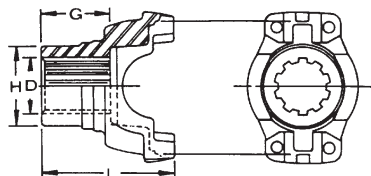
SPLINED HOLE

PART No.	SPLINE O.D. & No.	GROUND HUB O.D.	LENGTH OF HUB G	C/L TO END L	JOINT ANGLE	COMMENTS
3-4-178X	34.93-10 1.375	44.45 1.750	45.24 1.781	83.34 3.281	20	U/BOLT KIT TO SUIT 103
3-4-3504-08	31.10-28 1.229	46.00 1.811	61.60 2.425	102.40 4.031		9" DIFF YOKE - 30.16mm CAP
3-4-3504-08LONG	31.10-28 1.229	46.00 1.811	61.60 2.425	127.78 5.031		9" DIFF YOKE - 30.16mm CAP

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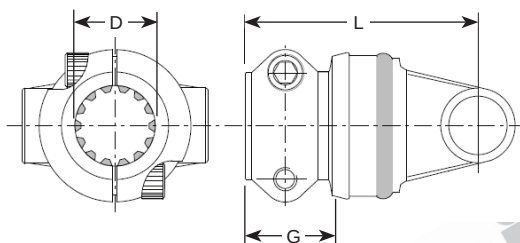
1350 HARDY SPICER



1350 PERFORMANCE END YOKES

SPLINED HOLE							
PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	FIG	COMMENTS
3-4-U2203	31.10-28 1.229	46.00 1.811	61.60 2.425	102.90 4.050		1	9" DIFF - STRANGE S/SERIES STREET SERIES STEEL
3-4-U1603	31.10-28 1.229	46.00 1.811	61.60 2.425	102.90 4.050		1	9" DIFF YOKE 28 SPLINE CHROME-MOLY 4130
3-4-U1608	32.33-29 1.273	47.63 1.875	39.04 1.537	85.73 3.375		1	SUIT MOPAR 8.75" STREET SERIES STEEL
3-4-U1602	00.00-30 0.000	44.45 1.750	39.04 1.537	68.27 2.688		1	SUIT CHEVY 12 BOLT STREET SERIES STEEL
3-4-U1604	35.83-35 1.410	53.98 2.125	53.00 2.087	102.90 4.050		1	9" DIFF YOKE 35 SPLINE CHROME-MOLY 4130

OTHER PERFORMANCE YOKES ARE AVAILABLE ON REQUEST.
TITANIUM AND ALUMINIUM YOKES ALSO AVAILABLE ON REQUEST



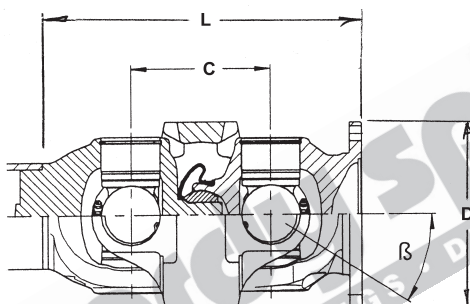
1350 CLAMP LOCK END YOKES

SPLINED HOLE					
PART No.	SPLINE O.D. & No. D	SPLINE TYPE	LENGTH OF OF SPLINE G	C/L TO END L	COMMENTS
84/02/13506	31.75-14 1.250	12/24 SAE C	48.00 1.890	112.00 4.410	USE 3-4-13506
3-4-13506	31.75-14 1.250	12/24 SAE C	50.00 1.967	91.50 3.602	1 PIECE
84/02/13507	34.93-21 1.375	16/32	48.00 1.890	112.00 4.410	USE 3-4-13507
3-4-13507	34.93-21 1.375	16/32	50.00 1.968	91.50 3.602	1 PIECE
84/02/13532	38.10-17 1.500	12/24 SAECC	45.00 1.772	112.00 4.410	
84/13532	38.10-17 1.500	12/24 SAECC	50.00 1.968	91.50 3.602	1 PIECE
84/02/13543	38.10-23 1.500	16/32	45.00 1.772	112.00 4.410	
84/02/13508	44.45-13 1.750	8/16 SAE D-E	45.00 1.772	112.00 4.410	

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DOUBLE CARDAN ASSEMBLY

DOUBLE CARDAN ASSEMBLY PART No.	FLANGE DIA. D	C/LINE TO C/LINE C	FLANGE FACE TO WELD L	BOLT HOLE PATTERN	SPIGOT DIA	TUBE SIZE O	COMMENTS
921052#	115.00 4.528	73.02 2.875	151.64 5.970	76.2 x 76.2# 3.000 x 3.000	50.80 - F 2.000 - F	69.85x2.1MM 2.750 x 0.083	FORD F SERIES TRUCK
921049*	115.00 4.528	73.02 2.875	150.83 5.938	76.2 x 76.2# 3.000 x 3.000	79.38 - F 3.125 - F	50.00x3.0MM 2.000 x 0.120	LANDROVER 6x6 (H/Duty)

THREADED HOLES - M12 x 1.75mm

* HEAVY DUTY WIDER ANGLE REPLACEMENT FOR 3R 4137268 ASSEMBLY (BEST FOR NISSAN PATROL MODIFICATIONS)

COMPLETE ASSEMBLY PART #	WELDED PIN YOKE	U/JOINT KIT	CENTRE YOKE	CENTERING FLANGE YOKE <i>includes ball kit</i>	BALL REPAIR KIT	COMMENTS
921052	3-28-1747X	5-178X	3-26-757	212024X	SCV-82B	SUIT 2.750 x .083 TUBE
921049		5-178X				SUIT LANDROVER 6X6 (32 DEG)

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C = 30.16
1.18
B1 = 106.35
4.18
B2 = 79.29
3.11

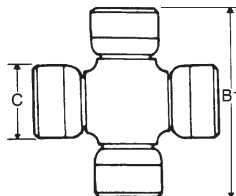


FIG. 1

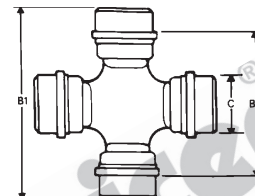


FIG. 2

1410 UNIVERSAL JOINT KIT

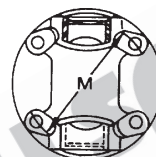
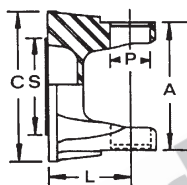
PART No.	LUBE	FIGURE	DESCRIPTION
K5-GB10R	SIDE	1	STANDARD JOINT
RUJ-4008	SIDE	2	C/W 4 SNAP RINGS & 4 CIRCLIPS
K5-GB10RHD	SIDE	1	PREMIUM THRUST WASHER HEAVY DUTY
5-641XD	NIL	1	NON LUBRICATED SOLID CROSS

1410 CONVERSION UNIVERSAL JOINT KITS

Refer to Section B:1 for dimensional data & hardware kits

PART No.	LUBE	DESCRIPTION
RUJ-4008		CONVERSION 1410 - S55 SERIES
5-357X		CONVERSION 1410 - 5380 SERIES
5-345X		CONVERSION 1410 - 4C SERIES (BLOCK CAPS)
5-346X		CONVERSION 1410 - 4C SERIES (THREADED WING CAPS)

A - 112.70
4.43
P - 30.16
1.18



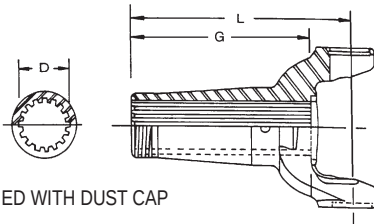
1410 FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
3-2-159	117.48 4.625	42.88 1.688	M-69.85 M-2.750	22	95.25 3.750	61.23 x 72.96 2.410 x 2.872	4	11.20 0.438	STANDARD
K3-2-A2119	100.00 3.937	65.00 2.559	F-57.00 F-2.244	20	84.00 3.307	EQUALLY SPACED	6	8.10 0.319	METRIC DIN 100 x 6M8
K3-2-A2269	120.00 4.724	65.00 2.559	F-75.00 F-2.952	20	N/A	N/A	N/A	N/A	SEMI FINISHED 120mm O.D.
3-2-429	149.23 5.875	50.80 2.000	M-95.25 M-3.750	30	120.65 4.750	77.55 x 92.42 3.053 x 3.639	4	12.70 0.500	1410 X 1480 FLANGE
K3-2-GB1199	120.00 4.724	56.00 2.204	F-75.00 F-2.952	25	101.50 3.996	EQUALLY SPACED	8	10.00 0.394	METRIC DIN 120 x 8M10
3-2-3900	120.00 4.724	55.00 2.165	F-80.00 F-3.150		100.00 3.937	59 x 81 2.323 x 3.189	4	10.20 0.402	ISUZU FACE

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1410 HARDY SPICER



SUPPLIED WITH DUST CAP

Fig-1

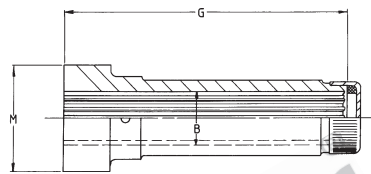
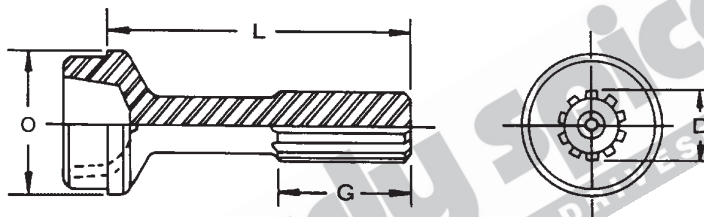


Fig-2

1410 SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KIT	COMMENTS
3-3-788KX	1	34.93-16 1.375	133.40 5.250	101.60 4.000	22	DCK31B	FOR MID SHIP STUB APPS.
3-3-118KX	1	38.09-16 1.500	165.10 6.500	135.74 5.344	22	DCK35A	STANDARD
3-3-508KX	1	38.09-16 1.500	193.00 7.600	162.00 6.378	30	DCK35A	LONG REPLACES K3-3-A1010
3-3-468KX	1	38.09-16 1.500	99.22 3.906	69.85 2.750	8	DCK35A	FOR SHORT COUPLED SHAFTS
3-3-1701KX	1	39.62-16 1.571	173.04 6.813	139.73 5.501	21	DCK48A	1480 SERIES SPLINES
3-3-2381KX	1	39.62-16 1.571	272.10 10.713	241.30 9.500	37	DCK48A	1480 SERIES SPLINES
3-55-A0128	2	38.09-16 1.500	N/A	178.00 7.008		DCK35A	BUTT SIZE "M" = 89mm x 38mm SEMI FINISHED SLEEVE
3-3-1511KX	1	44.45-16 1.750	82.55 3.250	52.00 2.100	9	DCK55A	SHORT COUPLED

ALTERNATE SPLINED DUST CAP KIT = DCK35B



1410 STUB

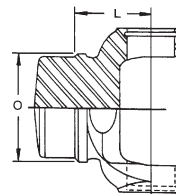
SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD L	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G			O		
K3-42-GB3081	38.10-16 1.500	HC	76.20 3.000	153.18 6.031	S	76.20 x 2.41 3.000 x 0.095	2413-0000	STD
K3-42-A451	38.10-16 1.500	HC	76.20 3.000	185.00 7.280	S	76.20 x 2.41 3.000 x 0.095	2413-0000	LONG
K3-42-GB4301	38.10-16 1.500	HC	63.00 2.500	156.00	H	88.90 x 2.41 3.500 x 0.095	2813-0000	
3-42-300	38.10-16 1.500	ST	300.00 11.811					SPLINED BAR

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BUTT TYPE:
H=HOLLOW
S=SOLID

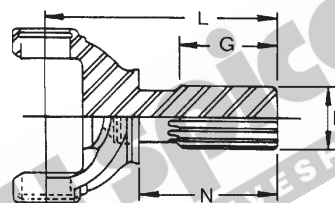


1410

WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
3-28-657	-	50.80 x 2.77 2.000 x 0.109		S	-	AXLE SHAFT YOKE
3-28-327	50.80 2.000	63.50 x 2.41 2.500 x 0.095	2013-0000	H	-	
3-28-267	53.98 2.125	76.20 x 2.41 3.000 x 0.095	2413-0000	H	30	
K3-26-GB1637	54.00 2.126	88.90 x 2.41 3.500 x 0.095	2813-0000	H	20	
3-28-367	54.00 2.126	88.90 x 1.65 3.500 x 0.065	2816-0000	H	30	

SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1410

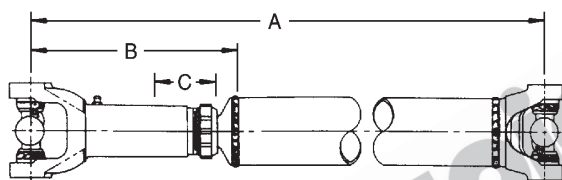
STUB YOKE

PART No.	SPLINE DIA. & No. D	LENGTH OF SPLINE G	C/LINE TO END OF SPLINE L	SHOULDER TO END OF SPLINE N	SPLINE TYPE	MAX. ANGLE	COMMENTS
3-82-81	38.09-16 1.500	50.80 2.000	125.98 4.969	79.38 3.125	ST	8	SUIT 3-3-468KX
3-82-261	44.45-16 1.750	36.50 1.438	115.50 4.547	67.87 2.672		9	SUIT 3-3-1511KX

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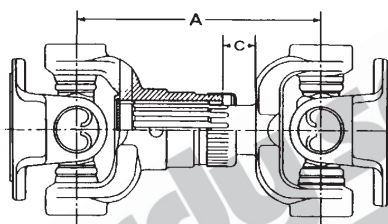
1410 HARDY SPICER



1410 TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 50.1mm (1.94")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
3-3-118KX <i>See Note</i>	K3-42-GB3081	185.00 7.280	57.00 2.244	289.10 11.380	3-28-267	22	2413-0000 3.000 x 0.095
3-3-118KX	K3-42-GB4301	185.00 7.280	57.00 2.244	289.10 11.380	K3-26-GB1637	20	2813-0000 3.500 x 0.095
3-3-508KX	K3-42-A451	216.00 8.504	81.00 3.307	320.10 12.600	3-28-267	22	2413-0000 3.000 x 0.095

Note : Also available as Unwelded Shaft **1410-PSA-1500** complete with 3-2-159 Flanges



1410 SHORT COUPLED ASSEMBLY CHART

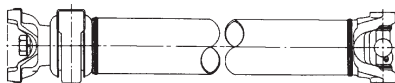
SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY.	COMMENTS
3-3-468KX	3-82-81	19.1 0.750	155.50 6.120	8	
3-3-1511KX	3-82-261	25.4 1.000	136.50 5.375	9	

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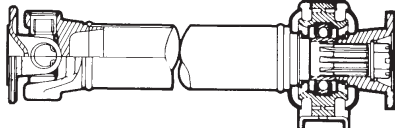
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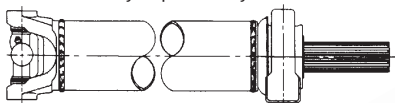
Shaft Assembly End Yoke Style



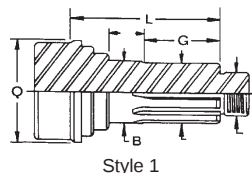
Companion Flange Style



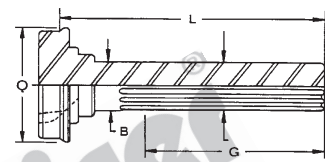
Shaft Assembly Slip Yoke Style



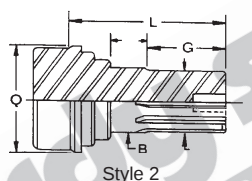
Midship Stubs



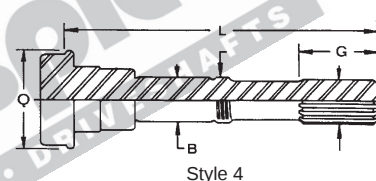
Style 1



Style 3



Style 2

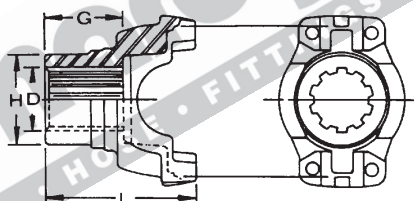


Style 4

1410

CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
K3-53-A1411	1	38.09-10 1.500	50.80 2.000	105.00 4.134	2413-0000 3.000 x 0.095	40.00 1.575	210391-1X	K3-1-GB6221 C/FLANGE	& KIT 509-33
K4-57-GB2651	1	38.10-10 1.500	50.80 2.000	103.50 4.075	2813-0000 3.500 x 0.095	40.00 1.575	210391-1X	K3-1-GB6221 C/FLANGE	& KIT 509-33
K4-57-GB2651	1	38.10-10 1.500	50.80 2.000	103.50 4.075	2813-0000 3.500 x 0.095	40.00 1.574	210391-1X	3-4-2941-1 END YOKE	& KIT 509-33
3-53-1361	3	34.93-16 1.375	126.24 4.970	205.50 8.090	2414-0000 3.000 x 0.083	35.00 1.375	210088-1X or 211187X	3-3-788KX SLIP YOKE	HARDY COATED
3-53-1371	3	34.93-16 1.375	112.52 4.438	179.00 7.04	2414-0000 3.000 x 0.083	35.00 1.375	210088-1X or 211187X	3-3-788KX SLIP YOKE	HARDY COATED



1410

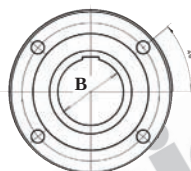
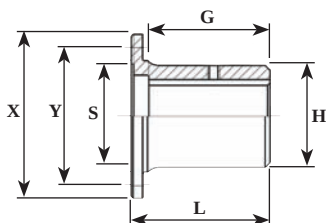
END YOKE - HALF ROUND

SPLINED HOLE							
PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	STYLE	COMMENTS
3-4-2941-1	38.10-10 1.500	49.23 1.938	50.80 2.000	93.68 3.688	30	B45	BOLT & STRAP KIT TO SUIT PART No. 3-70-28X

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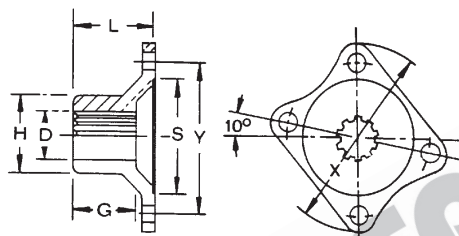
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1410 HARDY SPICER



1410 COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE										
PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN
	B	H		L	G		Y	S	X	
K3-1-GB103	12.00 0.472	76.20 3.000	50.8 x 12.7 2"x½"	65.00 2.562	50.80 2.000	11.2 x 4 0.440	95.25 3.750	F-69.85 M-2.750	115.00 4.527	61.23 x 72.96 2.410 x 2.872



1410 COMPANION FLANGE

RECTANGULAR TYPE - SPLINED HOLE										
PART No.	SPLINE O.D. & No.	HUB O.D.	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN	NOTES
	D	H	L	G		Y	S	X		
K3-1-GB6221	38.10-10 1.500	49.20 1.937	68.30 2.689	51.00 2.008	11.2 x 4 0.440	95.25 3.750	F-69.85 F-2.750	118.00 4.527	61.23 x 72.96 2.410 x 2.872	
3-1-014	38.10-10 1.500		69.00 2.717	51.00 2.008	10.2 x 4 0.402	100.00 3.937	F-80.00 F-3.150	120.00 4.724	59 x 81 2.323x3.189	ISUZU FACE

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HARDY SPICER 1480

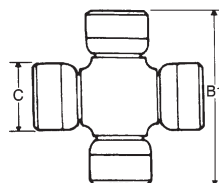
SEE ALSO GWB 687.30 SERIES

C = 34.93

1.37

B1 = 106.38

4.18



1480 UNIVERSAL JOINT KIT

PART No.	LUBE	DESCRIPTION
5-188X	SIDE	STANDARD JOINT
5-188XHD	SIDE	HEAVY-DUTY JOINT
K5-A538	CROSS	CENTRE LUBE

1480 CONVERSION UNIVERSAL JOINT KITS

Refer to Section B:1 for dimensional data & hardware kits

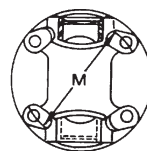
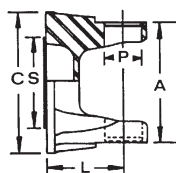
PART No.	LUBE	DESCRIPTION
5-347X		CONVERSION 1480 - 5C SERIES
5-348X		CONVERSION 1480 - 5C SERIES

A - 112.70

4.43

P - 34.93

1.37



1480 FLANGE YOKE

PART No.	FLANGE DIA. C	C/L OF U.J. TO FACE L	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
3-2-479	149.23 5.875	50.80 2.000	M-95.25 M-3.750	20	120.65 4.750	77.55 x 92.42 3.053 x 3.639	4	12.70 0.500	STANDARD
3-2-489	149.23 5.875	38.10 1.500	M-95.25 M-3.750	8	120.65 4.750	77.55 x 92.42 3.053 x 3.639	4	12.70 0.500	LOW ANGLE
3-2-013	134.92 5.312	62.00 2.441	M-80.00 M-3.150		110.00 4.331	55.00 x 95.20 2.165 x 3.748	4	12.10 0.476	ISUZU FACE
3-2-014	119.38 4.700	65.00 2.559	M-80.00 M-3.150		110.00 4.331	59.00 x 81.00 2.323 x 3.189	4	12.10 0.476	ISUZU FACE
3-2-104*	116.00 4.567	60.30 2.375	M-69.85 M-2.750		95.25 3.750	61.23 x 72.96 2.410 x 2.872	4	11.20 0.438	1410 FACE
3-2-A2129	120.00 4.724	60.00 2.362	F-75.00 F-2.953		101.50 3.996	EQUALLY SPACED	8	10.10 0.398	METRIC DIN 120mm x 8M10

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1480 HARDY SPICER

SUPPLIED WITH
DUST CAP

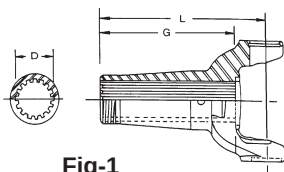


Fig-1

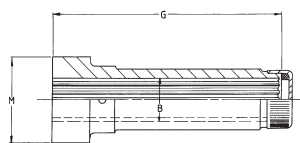
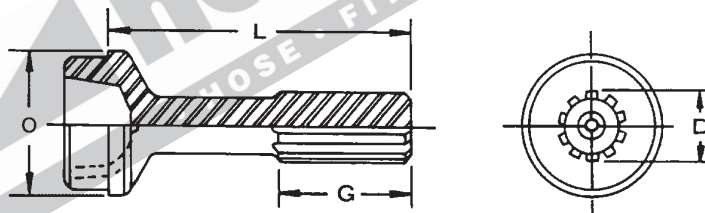


Fig-2

1480 SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF SPLINE L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KITS	COMMENTS
3-3-1601KX	1	39.62-16 1.570	175.00 5.250	120.00 4.000	21	DCK48A	STANDARD
3-3-1641KX	1	39.62-16 1.570	241.30 9.500	190.00 7.480	35	DCK48A	MEDIUM.
3-3-1621KX	1	57.51-10 2.250	94.44 3.718	64.26 2.530	8	DCK48C	SHORT COUPLED

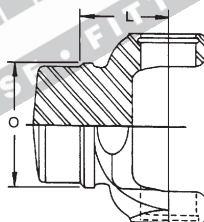
ALTERNATIVE SPLINED DUST CAP KIT=DCK48B



1480 STUB

SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No. D	SPLINE TYPE	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	BUTT TYPE	TUBE O.D. & THICKNESS O	TUBE PART No.	COMMENTS
3-40-1571	39.88-16 1.570	HC	76.20 3.000	171.45 6.750	S	88.90 x 2.41 3.500 x 0.095	2813-0000	STANDARD
3-40-1391	39.88-16 1.570	HC	75.00 2.950	222.00 8.750	S	88.90 x 2.41 3.500 x 0.095	2813-0000	MEDIUM
3-40-1411	39.88-16 1.570	HC	74.93 2.950	273.05 10.750	H	88.90 x 2.11 3.500 x 0.083	2814-0000	LONG

BUTT TYPE:
H=HOLLOW
S=SOLID



1480 WELD YOKE

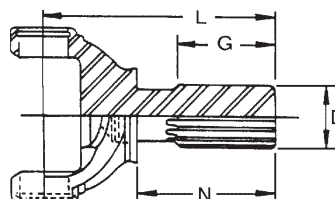
PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
3-28-567	51.60 2.031	88.90 x 2.41 3.500 x 0.095	2813-0000	H	22°	

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HARDY SPICER 1480

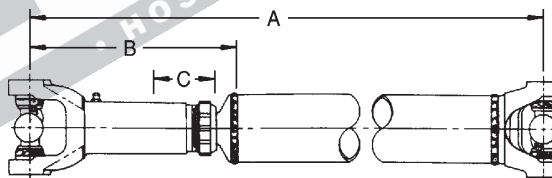
SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1480

STUB YOKE

PART No.	SPLINE DIA. & No.	LENGTH OF SPLINE	C/LINE TO END OF SPLINE	SHOULDER TO END OF SPLINE	SPLINE TYPE	MAX. ANGLE	COMMENTS
	D	G	L	N			
3-82-271	57.15-10 2.250	40.49 1.594	111.13 4.375	71.44 2.813	ST	8	
3-82-1211	39.67-16 1.562	49.00 1.929	144.50 5.689	88.00 3.464			INDENT ONLY

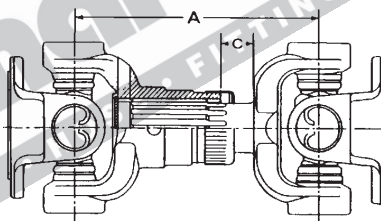


1480

TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 50.1mm (1.94")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
3-3-1601KX	3-40-1571	205.00 8.070	65.00 2.560	292.10	3-28-567	22	2813-0000 3.500 x 0.095
3-3-1641KX	3-40-1391	272.00 10.710	115.00 4.530	366.80	3-28-567	22	2813-0000 3.500 x 0.095

Note : Also available as Unwelded Shaft **1480-PSA-1500** complete with 3-2-479 Flanges



1480

SHORT COUPLED ASSEMBLY CHART

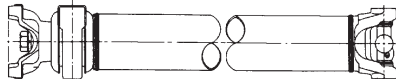
SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY.	COMMENTS
3-3-1621KX	3-82-271	25.4 1.000	139.70 5.500	8	

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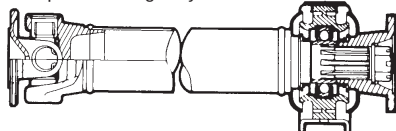
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1480 HARDY SPICER

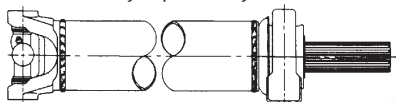
Shaft Assembly End Yoke Style



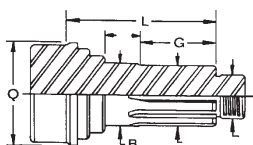
Companion Flange Style



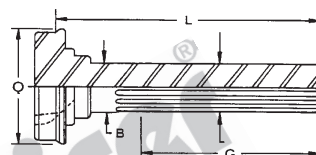
Shaft Assembly Slip Yoke Style



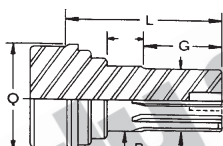
Midship Stubs



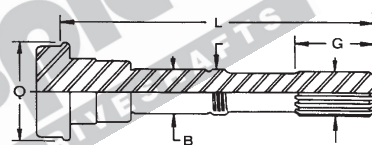
Style 1



Style 3



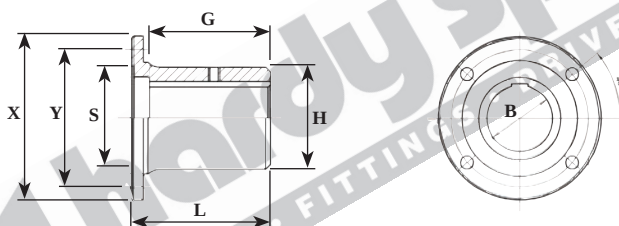
Style 2



Style 4

1480 CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y P E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
K4-57-GB2651	2	38.10-10 1.500	50.80 2.000	103.50 4.075	2813-0000 3.500 x 0.095	40.00 1.574	210391-1X	3-4-3091-1 END YOKE	& NUT 509-33
K4-57-GB2651	2	38.10-10 1.500	50.80 2.000	103.50 4.075	2813-0000 3.500 x 0.095	40.00 1.574	210391-1X	K4-1-A2191 C/FLANGE	& NUT 509-33
3-53-451	3	39.64-16 1.562	150.83 5.938	216.68 8.531	3.500 x 0.083	40.00 1.574	210433-1X	3-3-1601KX SLIP YOKE	& DUST CAP DCK48B
4-53-341	1	44.45-10 1.750	57.94 2.281	110.34 4.344	2813-0000 3.500 x 0.095	45.00 1.771	210084-2X	K4-1-A0761 C/FLANGE	& KIT 231502



1480 COMPANION FLANGE

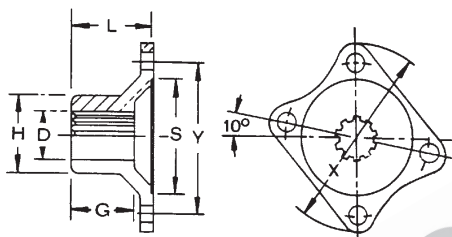
CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No.	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN
K4-1-A0913	20.00 0.787	101.10 3.980	63.50 2.500	75.49 2.972	56.49 2.224	12.7 x 4 0.500	120.70 4.750	F-95.25 M-3.750	142.98 5.629	77.55 x 92.42 3.053 x 3.639

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HARDY SPICER 1480

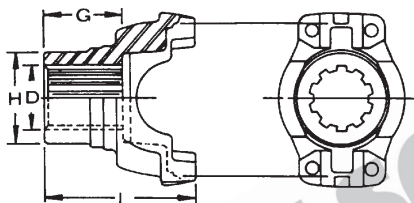


1480

COMPANION FLANGE

RECTANGULAR TYPE - SPLINED HOLE

PART No.	SPLINE O.D. & No.	HUB O.D.	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No.	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN	NOTES
	D	H		G		Y	S	X		
K4-1-A2191	38.10-10 1.500	49.21 1.938	63.30 2.492		12.7 x 4 0.500	120.7 4.750	F-95.25 F-3.750	142.98 5.629	77.55 x 92.42 2.410 x 2.872	
3-1-014	38.10-10 1.500		69.00 2.717	51.00 2.008	10.2 x 4 0.402	100.00 3.937	F-80.00 F-3.150	120.00 4.724	59 x 81 2.323x3.189	ISUZU FACE
3-1-013	44.45-10 1.750		69.00 2.717	58.00 2.283	12.2 x 4 0.476	110.00 4.331	F-80.00 F-3.150	135.00 5.315	55 x 95.2 2.165 x 3.748	ISUZU FACE
K4-1-A0761 LARGE HUB	44.45-10 1.750	65.15 2.565	76.20 3.000	57.15 2.250	12.7 x 4 0.500	12.07 4.750	F-95.25 3.750	145.67 5.735	77.55 x 92.42 2.410 x 2.872	
SMALL HUB		55.55 2.187								



1480

END YOKE - HALF ROUND

SPLINED HOLE

PART No.	SPLINE O.D. & No.	GROUND HUB O.D.	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	STYLE	COMMENTS
	D	H	G	L			
3-4-3091-1	38.10-10 1.500	58.73 2.312	50.80 2.000	102.39 1.031	30	BS	BOLT & STRAP KIT TO SUIT PART No. 3-70-38X

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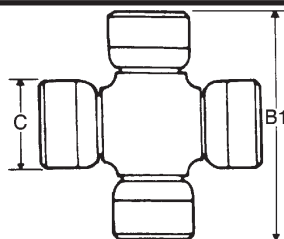


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HARDY SPICER 1510

C = 39.70
1.56
B1 = 115.90
4.55

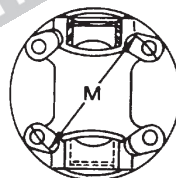
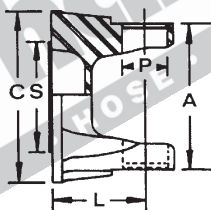


1510

UNIVERSAL JOINT KIT

PART No.	LUBE	DESCRIPTION
K5-GB22R	SIDE	STANDARD JOINT
K5-GB15R	CAP	LOCK PLATE CAPS
K5-A725	CENTRE	HIGH PERFORMANCE HARDY SPICER 1630 SERIES

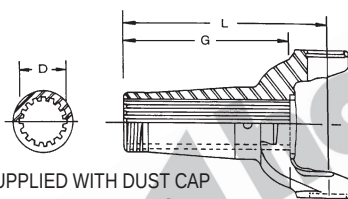
A - 123.93
4.87
P - 39.70
1.56



1510

FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
K4-2-GB239	149.23 5.875	63.50 2.500	M-95.25 M-3.750	22	120.65 4.750	77.55 x 92.42 3.053 x 3.639	4	12.70 0.500	STANDARD
K4-2-A0409	149.23 5.875	80.00 3.149	M-95.25 M-3.750		120.65 4.750	77.55 x 92.42 3.053 x 3.639	4	12.70 0.500	WIDE ANGLE
K4-2-A2079	120.00 4.724	70.00 2.835	F-75.00 F-2.953	28	101.50 3.996	EQUALLY SPACED	8	10.10 0.398	METRIC DIN 120mm x 8M10
K4-2-GB649	150.00 5.906	90.00 3.543	F-90.00 F-3.543	28	130.00 5.118	EQUAL	8	12	METRIC DIN 150mm x 8M12



SUPPLIED WITH DUST CAP
Fig-1

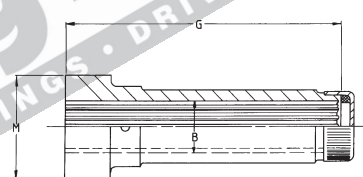


Fig-2

1510

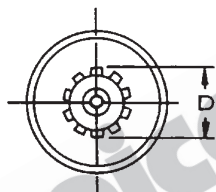
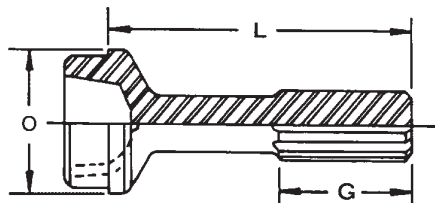
SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF SPLINE L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KITS	COMMENTS
K4-3-A1120	1	44.45-16 1.750	169.90 6.688	117.51 4.625	22	DCK51A	STANDARD
K4-3-GB1630	1	50.80-16 2.000	267.00 10.512	207.00 8.150	35	SJS61A	LONG USE WITH 5-40-1011 MACHINE BUTT TO SUIT
4-55-A0138	2	44.45-16 1.750		229.00 9.016		SJS55A	BUTT SIZE "M" = 89mm x 38mm SEMI FINISHED SLEEVE

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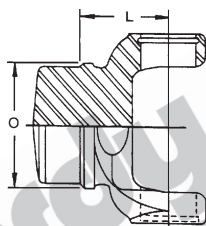
1510 HARDY SPICER



1510 STUB

SPLINE TYPE: HC = HARDY COATED ST = STEEL					BUTT TYPE: H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No. D	SPLINE TYPE	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	BUTT TYPE	TUBE O.D. & THICKNESS O	TUBE PART No.	COMMENTS
K4-42-GB1791	44.45-16 1.750	HC	76.20 3.000	167.48 6.100	S	76.20 x 2.41 3.000 x 0.095	2413-0000	STANDARD
4-42-300	44.45-16 1.750	ST	300.00 11.811					SPLINED BAR

BUTT TYPE:
H=HOLLOW
S=SOLID



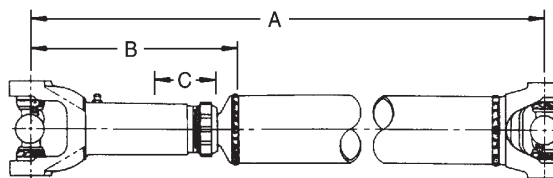
1510 WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
K4-26-GB477	69.85 2.750	76.20 x 2.41 3.000 x 0.095	2413-0000	H		

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HARDY SPICER 1510



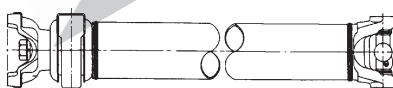
1510

TUBULAR TYPE ASSEMBLY CHART

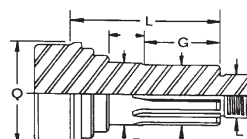
MINIMUM TUBE LENGTH = 53.5mm (2.50")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
K4-3-A1120	K4-42-GB1791	200.00 7.870	64.00 2.520	333.40 13.130	K4-26-GB477	22	2413-0000 3.000 x 0.095
K4-3-GB1630	5-40-1011#	306.00 12.05	118.10 4.650	439.1 17.287	K4-26-GB477	22	2413-0000 3.000 x 0.095

MACHINE BUTT TO SUIT

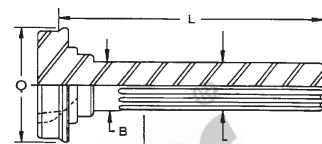
Shaft Assembly End Yoke Style



Midship Stubs

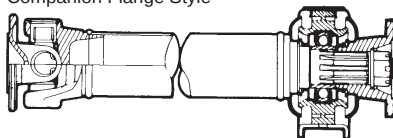


Style 1

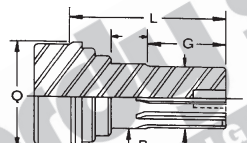
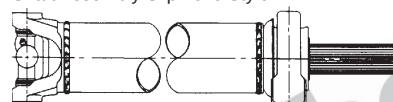


Style 3

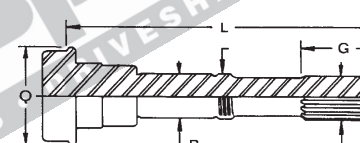
Companion Flange Style



Shaft Assembly Slip Yoke Style



Style 2



Style 4

1510

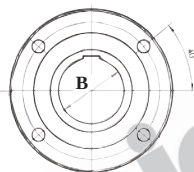
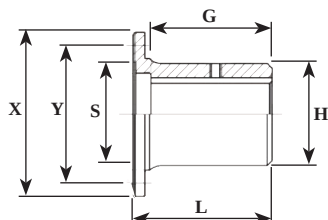
CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
K3-53-A1411	1	38.10-10 1.500	50.80 2.000	105.50 4.154	2413-0000 3.000 x 0.095	40.00 1.574	210391-1X	K4-1-A2191 C/FLANGE	& NUT 509-33
K4-57-GB2651	1	38.10-10 1.500	50.80 2.000	103.50 4.075	2813-0000 3.500 x 0.095	40.00 1.574	210391-1X	K4-1-A2191 C/FLANGE	& NUT 509-33
4-53-341	1	44.45-10 1.750	57.93 2.280	111.79 4.401	2813-0000 3.500 x 0.095	45.00 1.378	210084-2X	K4-1-A0761 C/FLANGE	& NUT 231502

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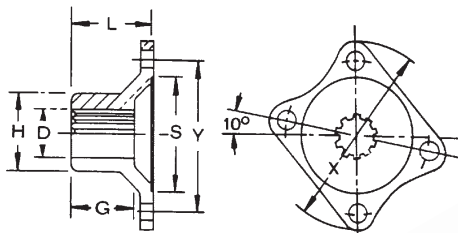
1510 HARDY SPICER



1510 COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN
	B	H		L	G		Y	S	X	
K4-1-A0913	20.00 0.787	101.10 3.980	63.50 2.500	75.49 2.972	56.49 2.224	12.7 x 4 0.500	120.70 4.750	F-95.25 M-3.750	142.98 5.629	77.55 x 92.42 3.053 x 3.639



1510 COMPANION FLANGE

RECTANGULAR TYPE - SPLINED HOLE

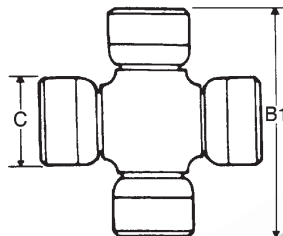
PART No.	SPLINE O.D. & No.	HUB O.D.	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN	NOTES
	D	H	L	G		Y	S	X		
K4-1-A2191	38.10-10 1.500	49.21 1.938	63.30 2.492		12.7 x 4 0.500	120.7 4.750	F-95.25 F-3.750	142.98 5.629	77.55 x 92.42 2.410 x 2.872	
3-1-014	38.10-10 1.500		69.00 2.717	51.00 2.008	10.2 x 4 0.402	100.00 3.937	F-80.00 F-3.150	120.00 4.724	59 x 81 2.323x3.189	ISUZU FACE
3-1-013	44.45-10 1.750		69.00 2.717	58.00 2.283	12.2 x 4 0.476	110.00 4.331	F-80.00 F-3.150	135.00 5.315	55 x 95.2 2.165 x 3.748	ISUZU FACE
K4-1-A0761 LARGE HUB	44.45-10 1.750	65.15 2.565	76.20 3.000	57.15 2.250	12.7 x 4 0.500	12.07 4.750	F-95.25 3.750	145.67 5.735	77.55 x 92.42 2.410 x 2.872	
SMALL HUB		55.55 2.187								

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HARDY SPICER 1550

C = 34.93
1.37
B1 = 126.20
4.96



1550 UNIVERSAL JOINT KIT

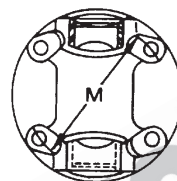
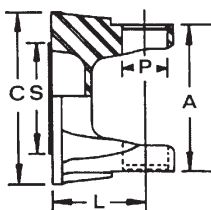
PART No.	LUBE	DESCRIPTION
5-155X	SIDE	STANDARD JOINT
5-155XHD	SIDE	HEAVY-DUTY JOINT
5-155XLFL	NIL	HEAVY-DUTY JOINT NON LUBE

1550 CONVERSION UNIVERSAL JOINT KITS

Refer to Section B:1 for dimensional data & hardware kits

PART No.	LUBE	DESCRIPTION
5-220X		CONVERSION 1550 - 6C SERIES (THREADED WING)
5-221X		CONVERSION 1550 - 6C SERIES (BLOCK)
5-328X		CONVERSION 1550 - 58WB SERIES (BLOCK)

A - 133.35
5.25
P - 34.93
1.37



1550 FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
4-2-669	149.23 5.875	50.80 2.000	M-95.25 M-3.750	22	120.65 4.750	77.55 x 92.42 3.053 x 3.639	4	12.70 0.500	STANDARD
4-2-679	149.23 5.875	38.10 1.500	M-95.25 M-3.750	8	120.65 4.750	77.55 x 92.42 3.053 x 3.639	4	12.70 0.500	LOW ANGLE
4-2-969	150.00 5.906	80.00 3.150	F-90.00 F-3.543		130.00 5.118	EQUALLY SPACED	8	12.10 0.476	METRIC DIN 150mm x 8M12
4-2-689	174.62 6.875	50.80 2.000	M-168.28 M-6.625	22	155.57 6.125	EQUALLY SPACED	8	9.53 0.375	1610 FACE PILOT FOR BRAKE

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1550 HARDY SPICER

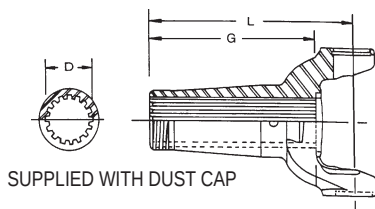


Fig-1

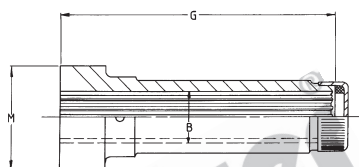
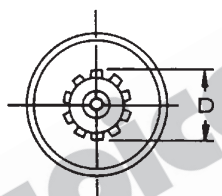
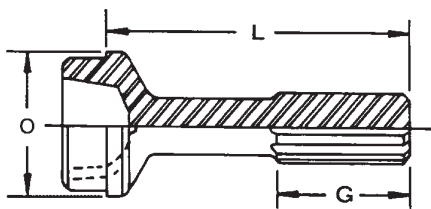


Fig-2

1550 SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KIT	COMMENTS
4-3-1241KX	1	44.45-16 1.750	174.63 6.875	143.00 5.630	22	DCK55A or SJS55A	STANDARD
4-3-1431KX	1	44.45-16 1.750	255.52 10.062	203.00 7.992	22	DCK55A or SJS55A	LONG
4-3-1261KX	1	63.50-16 2.500	88.90 3.500	65.02 2.560	5		SHORT COUPLED
4-55-A0138	2	44.45-16 1.750		229.00 9.016		DCK55A or SJS55A	BUTT SIZE "M" = 89mm x 38mm SEMI FINISHED SLEEVE

ALTERNATIVE SPLINED DUST CAP KIT=DCK55B



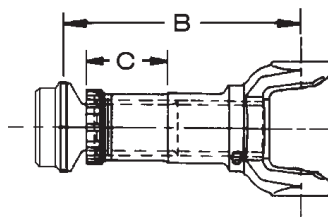
1550 STUB

SPLINE TYPE:					HC = HARDY COATED ST = STEEL				BUTT TYPE:		H = HOLLOW S = SOLID	
PART No.	SPLINE DIA. & No. D	SPLINE TYPE	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	BUTT TYPE	TUBE O.D. & THICKNESS O	TUBE PART No.	COMMENTS				
4-40-761	44.45-16 1.750	HC	76.20 3.000	172.23 6.781	S	88.90 x 2.41 3.500 x 0.095	2813-0000	STANDARD				
4-40-721	44.45-16 1.750	HC	76.20 3.000	234.19 8.750	S	88.90 x 2.41 3.500 x 0.095	2813-0000	LONG				
4-40-471	63.50-16 2.500	HC	39.67 1.562	81.00 3.189	S	88.90 x 2.41 3.500 x 0.095	2813-0000					
4-42-300	44.45-16 1.750	ST	300.00 11.811					SPLINE BAR				

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HARDY SPICER 1550

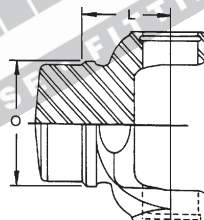


1550

SLIP / STUB ASSEMBLY

ASSEMBLY PART No.	C/LINE TO POINT OF WELD CLOSED B	SPLINE O.D. & No. OF SPLINE	TUBE O.D. & WALL THICKNESS	TOTAL SLIP C	DUST CAP SJS61A	COMMENTS
4-84-CAT	258.00 10.157	50.80 -16 2.000	90X4MM 90.00 x 4.00	55.00 2.165		

BUTT TYPE:
H=HOLLOW
S=SOLID

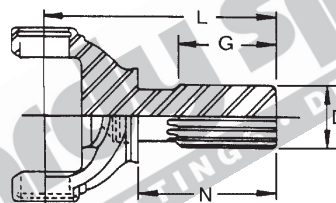


1550

WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
4-28-417	68.28 2.688	88.90 x 2.41 3.500 x 0.095	2813-0000	H	35	
4-28-307	55.58 2.188	88.90 x 2.41 3.500 x 0.095	2813-0000	H	22.5	

SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1550

STUB YOKE

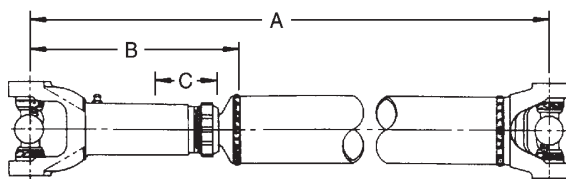
PART No.	SPLINE DIA. & No. D	LENGTH OF SPLINE G	C/LINE TO END OF SPLINE L	SHOULDER TO END OF SPLINE N	SPLINE TYPE	MAX. ANGLE	COMMENTS
4-82-191	63.50-16 2.500	39.68 1.562	115.87 4.562	60.33 2.375	ST	8	
4-82-201 #	63.50-16 2.500	39.68 1.562	122.22 4.812	74.63 2.938	ST	8	
4-82-621-1 #	63.50-16 2.500	39.68 1.562	131.32 5.170	84.53 3.328	ST	8	
4-82-621-2 #	63.50-16 2.500	39.68 1.562	169.42 6.670	120.24 4.734	ST	8	

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1550 HARDY SPICER

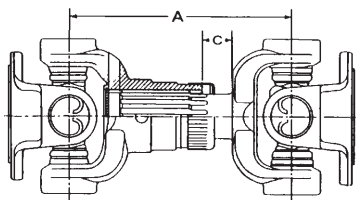


1550 TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 31.50mm (1.24")

SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
4-3-1241KX	4-40-761	207.00 8.150	63.50 2.500	298.50 11.750	4-28-307	22	2813-0000 3.500 x 0.095
4-3-1431KX	4-40-721	287.00 11.300	127.00 5.000	391.00 15.390	4-28-417	35	2813-0000 3.500 x 0.095

NOTE: ALSO AVAILABLE AS UNWELDED SHAFT 1550-PSA-1500 COMPLETE WITH 4-2-669 FLANGES



1550 SHORT COUPLED ASSEMBLY CHART

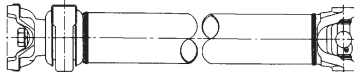
SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY.	COMMENTS
4-3-1261KX	4-82-191	25.4 1.000	139.70 5.500	5	

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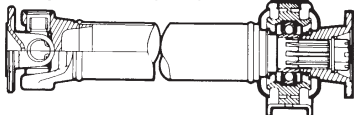
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HARDY SPICER 1550

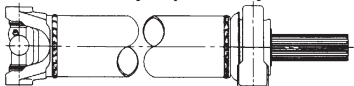
Shaft Assembly End Yoke Style



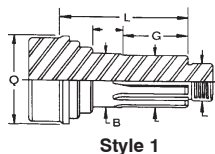
Companion Flange Style



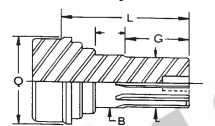
Shaft Assembly Slip Yoke Style



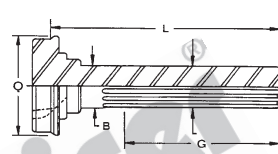
Midship Stubs



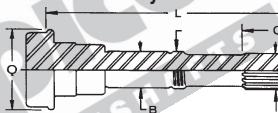
Style 1



Style 2



Style 3



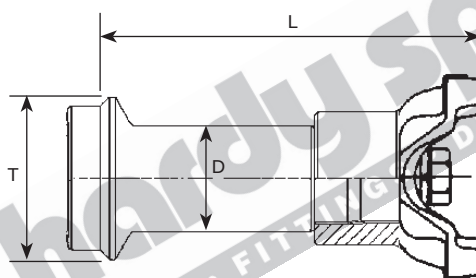
Style 4

1550

CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEARING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/COMPANION FLANGE/END YOKE	COMMENTS
4-53-61	3	44.45-16 1.750	150.87 5.940	217.42 8.560	2813-0000 3.500 x 0.095	45.00 1.771	210084-2X	4-3-1241KX SLIP YOKE	DUST CAP DCK55B
K4-57-GB2651	2	38.10-10 1.500	50.80 2.000	103.50 4.075	2813-0000 3.500 x 0.095	40.00 1.574	210391-1X	4-4-2051 END YOKE	& NUT 509-33
K4-57-GB2651	2	38.10-10 1.500	50.80 2.000	103.50 4.075	2813-0000 3.500 x 0.095	40.00 1.575	210391-1X	K4-1-A2191 C/FLANGE	& NUT 509-33
4-53-341	1	44.45-10 1.750	57.94 2.281	110.34 4.344	2813-0000 3.500 x 0.095	45.00 1.771	210084-2X	K4-1-A0761 C/FLANGE	& KIT 231502
4-53-341	1	44.45-10 1.750	57.94 2.281	110.34 4.344	2813-0000 3.500 x 0.095	45.00 1.771	210084-2X	4-4-1981-1* END YOKE	& KIT 231502

* Machine hub to suit



1550

MIDSHIP STUB ASSEMBLY

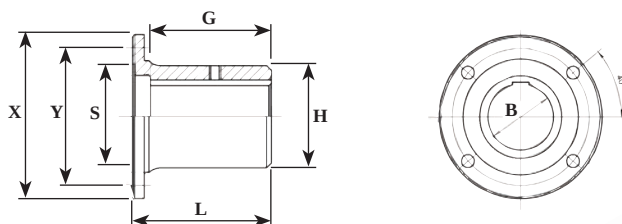
MIDSHIP ASSEMBLY PART No.	LENGTH C TO POINT OF WELD L	BEARING DIA. D	BEARING PART No.	TUBE O.D. & WALL THICKNESS T	COMMENTS
4-56-CAT	300.00 11.811	62.00 2.441	CAT-30-9168#	2810-0000 3.500 x 0.134	MIDSHIP STUB, END YOKE, NUT & WASHER

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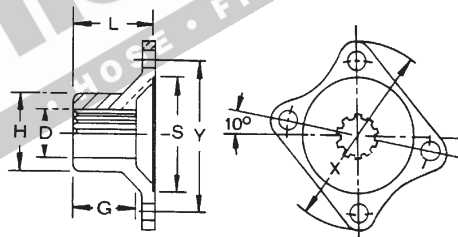
1550 HARDY SPICER



1550 COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

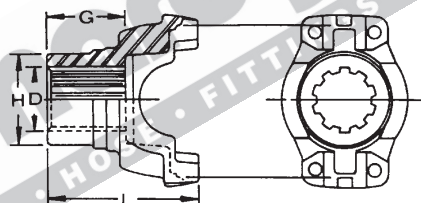
PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN
	B	H		L	G		Y	S	X	
K4-1-A0913	20.00 0.787	101.10 3.980	63.50 2.500	75.49 2.972	56.49 2.224	12.7 x 4 0.500	120.70 4.750	F-95.25 M-3.750	142.98 5.629	77.55 x 92.42 3.053 x 3.639



1550 COMPANION FLANGE

RECTANGULAR TYPE - SPLINED HOLE

PART No.	SPLINE O.D. & No.	HUB O.D.	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN	NOTES
	D	H	L	G		Y	S	X		
K4-1-A2191	38.10-10 1.500	49.21 1.938	63.30 2.492		12.7 x 4 0.500	120.7 4.750	F-95.25 F-3.750	142.98 5.629	77.55 x 92.42 2.410 x 2.872	
K4-1-A0761 LARGE HUB	44.45-10 1.750	65.15 2.565	76.20 3.000	57.15 2.250	12.7 x 4 0.500	12.07 4.750	F-95.25 3.750	114.67 5.735	77.55 x 92.42 2.410 x 2.872	
SMALL HUB		55.55 2.187								



1550 END YOKE - HALF ROUND

SPLINED HOLE

PART No.	SPLINE O.D. & No.	GROUND HUB O.D.	LENGTH OF OF HUB	C/L TO END	JOINT ANGLE	STYLE	COMMENTS
	D	H	G	L			
4-4-1981-1	44.45-10 1.750	69.85 2.750	57.15 2.250	118.26 4.656	35	B/STRAP	B/STRAP KIT TO SUIT PART No. 3-70-38X
4-4-2051-1	38.10-10 1.500	49.23 1.938	50.80 2.000	96.04 3.781	22	B/STRAP	B/STRAP KIT TO SUIT PART No. 3-70-38X

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HARDY SPICER 1610

B1 = 134.94

5.31

E = 58.72

2.31

C = 47.63

1.87

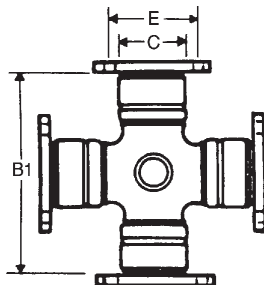


FIG. 1

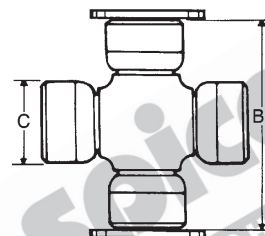


FIG. 2

1610

UNIVERSAL JOINT KIT

Refer to Section B:1 for dimensional data & hardware kits

PART No.	LUBE	FIGURE	DESCRIPTION
5-279X	SIDE	1	STANDARD JOINT
5-279XD	SIDE	1	PREMIUM BRAND
5-279XR	SIDE	1	PREMIUM ROCKWELL BRAND
5-674X	SIDE	2	SUITS HALF ROUND YOKES C/W STRAP KIT
5-674XD	SIDE	2	PREMIUM BRAND FOR HALF ROUND YOKES C/W STRAP KIT

LOCK TABS AVAILABLE SEPARATELY. PART NUMBER 94-A764

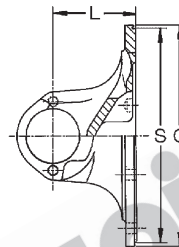
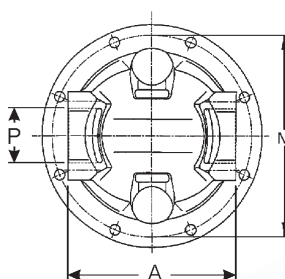
STRAP KITS AVAILABLE SEPARATELY. PART NUMBER 5-70-28X

A - 134.94

5.31

P - 47.69

1.87



1610

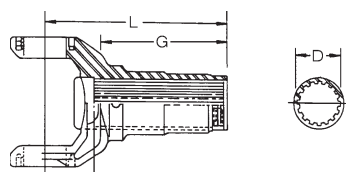
FLANGE YOKE

PART No.	FLANGE DIA. C	C/L OF U.J. TO FACE L	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
5-2-279	174.62 6.875	69.85 2.750	M-168.28 M-6.625	22	155.57 6.125	EQUALLY SPACED	8	9.53 0.375	STANDARD
5-2-379	174.62 6.875	47.63 1.875	M-168.28 M-6.625	8	155.57 6.125	EQUALLY SPACED	8	9.53 0.375	LOW ANGLE
5-2-619	203.20 8.000	47.63 1.875	M-196.85 M-7.750	8	184.15 6.125	EQUALLY SPACED	8	9.53 0.375	1610 EARS x 1710 FACE-LOW ANGLE
5-2-629	203.20 8.000	69.85 2.750	M-196.85 M-7.750	22	184.15 6.125	EQUALLY SPACED	8	9.53 0.375	1610 EARS x 1710 FACE
5-2-A2089	150.00 5.906	85.00 3.346	F-90.00 F-3.543	28	130.00 5.118	EQUALLY SPACED	8	9.53 0.375	METRIC DIN 150mm x 8M12
5-2-180414	178.80 7.039	70.00 2.755	M-90.00 M-3.543		147.00 5.787	83 x 122 3.268 x 4.803	4	14.20 0.559	SUIT MITSUBISHI
5-2-244	155.80 6.134	70.00 2.755	M-90.00 M-3.543		140.00 5.512	75 x 118 2.953 x 4.646	4	14.20 0.559	SUIT ISUZU

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1610 HARDY SPICER



SUPPLIED WITH DUST CAP

Fig-1

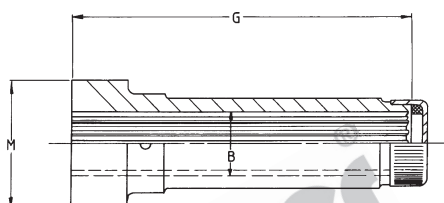
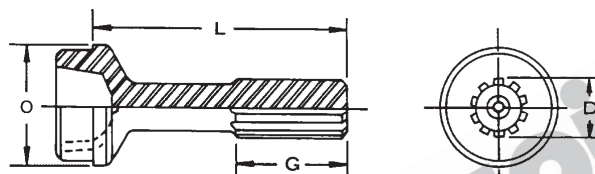


Fig-2

1610 SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KIT	COMMENTS
5-3-2261KX	1	50.80-16 2.000	274.62 10.812	215.00 8.465	35	SJS61A	LONG 35°
5-3-108KX	1	50.80-16 2.000	198.42 7.812	163.10 6.421	22	SJS61A	
5-3-2141KX	1	50.80-16 2.000	303.23 11.938	209.55 8.250	45	SJS61A	LONG 45°
5-3-288KX	1	50.80-16 2.000	236.52 9.312	155.55 6.124	30	SJS61A	MEDIUM
5-3-168KX	1	67.87-18 2.672	88.90 3.500	57.15 2.250	8	DCK60A	SHORT COUPLED
5-55-A0148	2	50.80-16 2.000	N/A	215.00 8.465		SJS61A	BUTT SIZE "M" = 90mm x 55mm SEMI FINISHED SLEEVE



1610 STUB

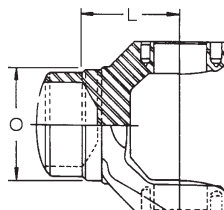
SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
5-40-1041	50.80-16 2.000	HC	88.90 3.500	254.78 10.030	H	88.9 x 3.40 3.500 x 0.134	2810-0000	LONG
5-40-1011	50.80-16 2.000	HC	88.90 3.500	246.04 9.680	H	88.90 x 3.40 3.500 x 0.134	2810-0000	MEDIUM
K5-42-A1081	50.80-16 2.000	HC	88.90 3.500	192.07 7.562	H	88.90 x 3.40 3.500 x 0.134	2810-0000	
5-40-1181	67.87-18 2.672	S	38.10 1.500	91.29 3.594	H	88.90 x 3.40 3.500 x 0.134	2810-0000	USE WITH 5-3-168KX
5-42-300	50.80-16 2.000	ST	300.00 11.811					SPLINE BAR

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BUTT TYPE:
H=HOLLOW
S=SOLID

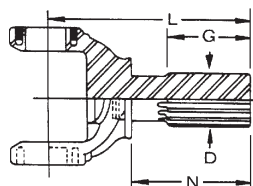


1610

WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
5-28-627	76.20 3.000	88.90 x 3.40 3.500 x 0.134	2810-0000	H	35	
5-28-327	76.20 3.000	101.60 x 3.40 4.000 x 0.134	3210-0000	H	35	
5-28-167	76.20 3.000	88.90 x 2.400 3.500 x 0.095	2813-0000	H	35	INDENT ONLY

SPLINE TYPE:
HC=HARDY COAT
ST=STEEL



1610

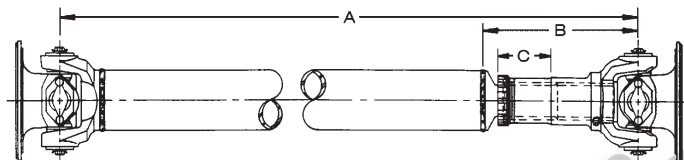
STUB YOKE

PART No.	SPLINE DIA. & No. D	LENGTH OF SPLINE G	C/LINE TO END OF SPLINE L	SHOULDER TO END OF SPLINE N	SPLINE TYPE	MAX. ANGLE	COMMENTS
5-82-161 INVOLUTE SPLINE	67.87-18 2.672	38.10 1.500	104.78 4.125	61.91 2.438	ST	8	
5-82-921	50.80-16 2.000	69.85 2.750	200.03 7.875	163.52 6.438	HC	22	
5-82-200	50.80-16 2.000	67.31 2.650	200.03 7.875	121.00 4.764	ST	35	
5-82-751-10	50.80-16 2.000	88.90 3.500	365.92 14.406	235.74 9.281	HC	45	
5-82-751-2	50.80-16 2.000	88.90 3.500	381.00 15.000	250.83 9.875	HC	45	
5-82-781	50.80-16 2.000	88.90 3.500	274.62 10.812	192.07 7.562	HC	22	
5-82-A661	50.80-16 2.000	88.90 3.500	265.00 10.433	170.00 6.693	HC	35	

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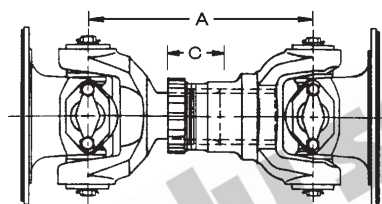
1610 HARDY SPICER



1610 TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 36.1mm (1.41")

SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
5-3-2261KX	5-40-1041	315.00 12.400	125.90 4.920	449.00 17.680	5-28-627	22	2810-0000 3.500 x 0.134
5-3-108KX	K5-42-A1081	240.00 9.450	70.00 2.760	374.00 14.720	5-28-627	22	2810-0000 3.500 x 0.134
5-3-288KX	5-40-1011	295.00 11.614	100.00 3.937	439.00 17.280	5-28-627	22	2810-0000 3.500 x 0.134



1610 SHORT COUPLED ASSEMBLY CHART

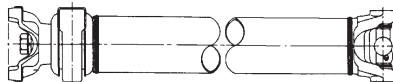
SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY.	COMMENTS
5-3-168KX	5-82-161	19.10 0.750	136.40 5.370	8	
5-3-288KX	5-82-A661	70.00 2.750	350.00 13.78	30	
5-83-A010 SLIP ASSEMBLY		17.00 0.670	150.00 5.910	5	PARTS NOT SOLD SEPARATELY SLIP & YOKE SHAFT ASSEMBLY

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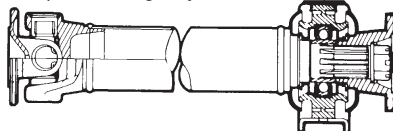
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HARDY SPICER 1610

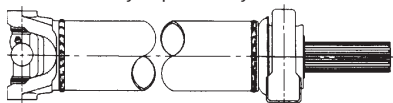
Shaft Assembly End Yoke Style



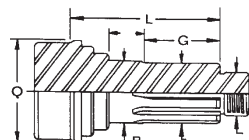
Companion Flange Style



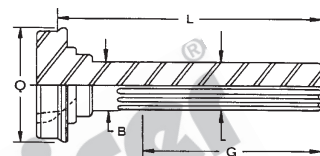
Shaft Assembly Slip Yoke Style



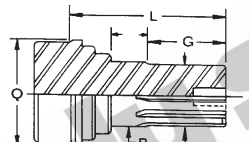
Midship Stubs



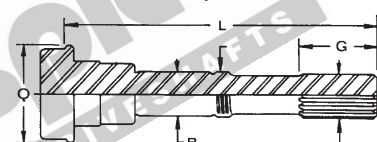
Style 1



Style 3



Style 2

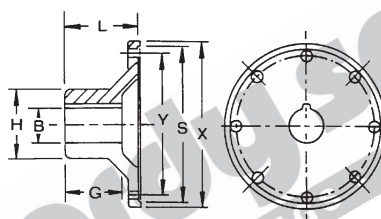


Style 4

1610

CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEARING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/COMPANION FLANGE/END YOKE	COMMENTS
5-53-141	1	44.45-10 1.750	52.38 2.062	108.74 4.281	2810-0000 3.500 x 0.134	45.00 1.771	210084-2X	K5-1-A0741 C/FLANGE	& NUT 231502
5-53-141	1	44.45-10 1.750	52.38 2.062	108.74 4.281	2810-0000 3.500 x 0.134	45.00 1.771	210084-2X	5-4-1721 END YOKE	& NUT 231502
5-53-141	1	44.45-10 1.750	52.38 2.062	108.74 4.281	2810-0000 3.500 x 0.134	45.00 1.771	210084-2X	5-4-1721-1 HALF/R YOKE	& NUT 231502 & STRAPKIT 5-70-28X



1610

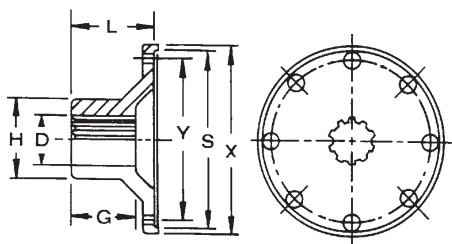
COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE										
PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No.	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN
K5-1-GB1783	25.40 1.000	139.7 5.500	88.90 3.500	93.68 3.688	76.20 3.000	9.53 x 8 0.375	155.60 6.125	F-168.28 F-6.625	174.63 6.875	EQUALLY SPACED

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1610 HARDY SPICER



1610 COMPANION FLANGE

CIRCULAR TYPE - SPLINED HOLE

PART No.	SPLINE O.D. & No.	HUB O.D.	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN	NOTES
	D	H	L	G		Y	S	X		
K5-1-A0741	44.45-10	65.15	76.20	57.15	9.53 x 8	155.6	F-168.28	174.63	EQUALLY SPACED	
LARGE HUB	1.750	2.565	3.000	2.250	0.375	6.125	F-6.625	6.875		
SMALL HUB		55.54								
		2.187								
5-1-150812	44.45-10	70.00	66.20	57.00	12.2 x 8	130.0	M-90.00	150.00	EQUALLY SPACED	
	1.750	2.756	2.606	2.244	0.480	5.118	3.543	5.906		

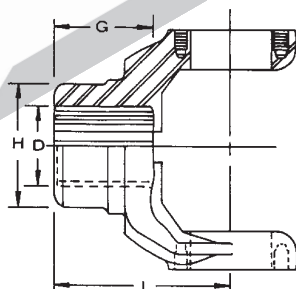


Fig 1

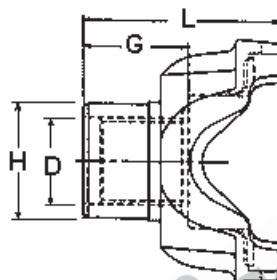


Fig 2

1610 END YOKE

SPLINED HOLE

PART No.	Fig	SPLINE O.D. & No.	GROUND HUB O.D.	LENGTH OF OF HUB	C/L TO END	JOINT ANGLE	STYLE	COMMENTS
		D	H	G	L			
5-4-1721	1	44.45-10	55.58	57.15	104.80	22°	FULL ROUND	SUIT MIDSHIP STUB
		1.750	2.188	2.250	4.125			
5-4-1721-1	2	44.45-10	55.58	57.15	104.80	22°	HALF ROUND	STRAP KIT 5-70-28X SUIT MIDSHIP STUB
		1.750	2.188	2.250	4.125			
5-4-3621	1	44.45-10	69.85	57.15	127.00	25°	FULL ROUND	
		1.750	2.750	2.250	5.000			
5-4-5281X	1	49.78-10	69.85	66.68	130.18	24°	FULL ROUND	
		1.960	2.750	2.625	5.125			
5-4-1661-1	2	50.80-10	69.85	76.20	138.91	21°	HALF ROUND	STRAP KIT 5-70-28X
		2.000	2.750	3.000	5.469			
5-4-4861	1	60.70-46	88.90	86.13	155.57	17°	FULL ROUND	
		2.390	3.500	3.391	6.125			

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HARDY SPICER 1710

B1 = 154.78

6.09

E = 61.90

2.31

C = 49.21

1.93

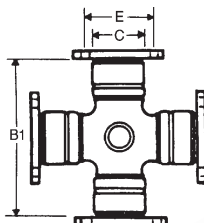


FIG. 1

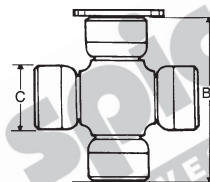


FIG. 2

1710

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-280X	SIDE	1	STANDARD JOINT
5-280XD	SIDE	1	PREMIUM BRAND
5-280XR	SIDE	1	PREMIUM ROCKWELL BRAND
5-675X	SIDE	2	SUITS 1/2 ROUND YOKES C/W STRAP KIT
5-675XD	SIDE	2	PREMIUM BRAND FOR HALF ROUND YOKES C/W STRAP KIT

LOCK TABS AVAILABLE SEPARATELY. PART NUMBER 94-A339

STRAP KITS AVAILABLE SEPARATELY. PART NUMBER 6-5-70-18X

1710

OTHER UNIVERSAL JOINT KIT

Refer to Section B:1 for dimensional data & hardware kits

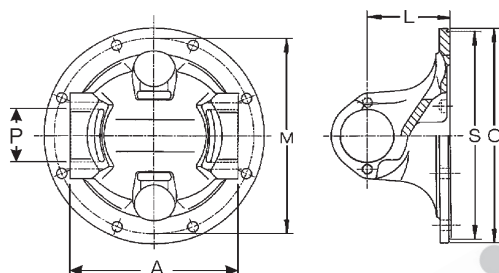
PART No.	LUBE	DESCRIPTION
K5-A696		CONVERSION 1710 - 8.5C SERIES

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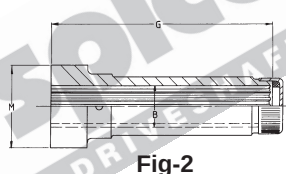
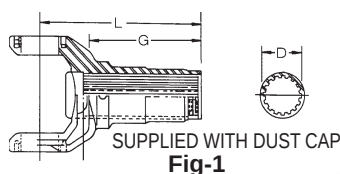
1710 HARDY SPICER

A - 154.78
6.09
P - 49.21
1.93



1710 FLANGE YOKE

PART No.	FLANGE DIA. C	C/L OF U.J. TO FACE L	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
6-2-749	203.20 8.000	76.20 3.000	M-196.85 M-7.750	22	184.15 7.250	EQUALLY SPACED	8	9.53 0.375	STANDARD
6-2-769	203.20 8.000	50.80 2.000	M-196.85 M-7.750	8	184.15 7.250	EQUALLY SPACED	8	9.53 0.375	LOW ANGLE
6-2-A2279	180.00 7.087	86.50 3.405	F-110.00 F-4.330	22	NIL	NIL	NIL	NIL	SEMI FINISHED 180mm O.D.
6-2-A2149	165.00 6.496	102.00 4.016	F-95.00 F-3.740	30	140.00 5.512	EQUALLY SPACED	8	16.10 0.634	METRIC DIN 165 x 8M16
6-2-A2159	180.00 7.087	86.50 3.405	F-110.00 F-4.330	22	155.50 6.122	EQUALLY SPACED	8	14.10 0.555	METRIC DIN 180 x 8M14
6-2-A2169	180.00 7.087	86.00 3.484	F-110.00 F-4.330	22	155.50 6.122	EQUALLY SPACED	10	16.10 0.634	METRIC DIN 180 x 10M16
K56-2-GB99	174.62 6.875	98.00 3.858	M-168.27 M-6.625	22	155.57 6.125	EQUALLY SPACED	8	9.53 0.375	1710 EARS 1610 FACE
6-2-203613	203.00 7.992	77.60 3.055	M-120.00 M-4.330		180.00 7.087	2 x 3 SETS	6	13.10 0.516	SUIT MITSUBISHI



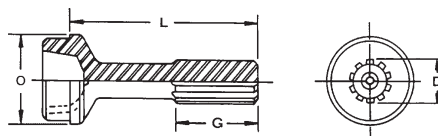
1710 SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KIT	COMMENTS
6-3-2671KX	1	63.50-16 2.500	243.59 9.594	200.03 7.875	22	SJS71A	STANDARD
6-3-2651KX	1	63.50-16 2.500	296.88 11.688	234.95 9.250	30	SJS71A	LONG
6-3-2551KX	1	63.50-16 2.500	323.06 12.719	241.30 9.500	45	SJS71A	WIDE ANGLE
6-3-1661KX	1	82.55-18 3.250	104.78 4.125	69.60 2.740	8		SHORT COUPLED
6-55-A0158	2	63.50-16 2.500	N/A	255.00 10.039	N/A	SJS71A	BUTT SIZE "M" = 100mm x 52mm SEMI FINISHED SLEEVE

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HARDY SPICER 1710

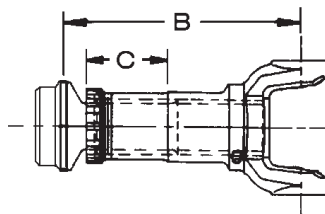


1710

STUB

SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
6-40-541	63.50-16 2.500	HC	101.60 4.000	235.00 9.250	H	101.60 x 3.40 4.000 x 0.134	3210-0000	STANDARD
6-40-521	63.50-16 2.500	HC	101.60 4.000	268.22 10.560	H	101.60 x 3.40 4.000 x 0.134	3210-0000	LONG

Mechanics 8C Stubs may be used as a alternative



1710

SLIP / STUB ASSEMBLY

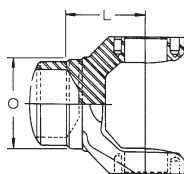
ASSEMBLY PART No.	C/LINE TO POINT OF WELD CLOSED B	SLIP YOKE PART No.	MALE STUB PART No.	TOTAL SLIP C	MAX. ANGLE	COMMENTS
6-84-278	280.00 11.020	6-3-2671KX	6-40-541	98.60 3.880	21	
6-84-330	330.00 12.990	6-3-2651KX	6-40-521	133.40 5.250	29	
6-84-352	352.00 13.858	6-3-2551KX	6-40-521	133.40 5.250	45	

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1710 HARDY SPICER

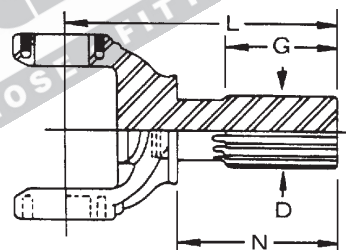
BUTT TYPE:
H=HOLLOW
S=SOLID



1710 WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
6-28-347	76.96 3.030	101.60 x 3.40 4.000 x 0.134	3210-0000	H	30	HEAVY DUTY APPLICATIONS USE 3207-0000 (4.09 x 0.180) TUBE
6-28-467	93.67 3.688	101.60 x 3.40 4.000 x 0.134	3210-0000	H	45	HEAVY DUTY APPLICATIONS USE 3207-0000 (4.09 x 0.180) TUBE

SPLINE TYPE:
HC=HARDY COAT
ST=STEEL



1710 STUB YOKE

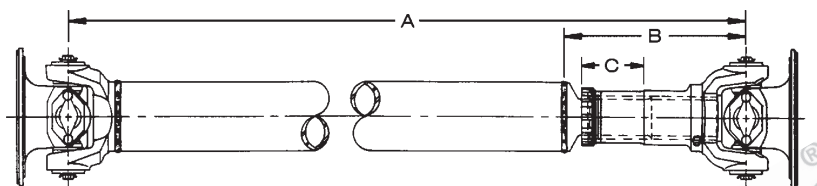
PART No.	SPLINE DIA. & No. D	LENGTH OF SPLINE G	C/LINE TO END OF SPLINE L	SHOULDER TO END OF SPLINE N	SPLINE TYPE	MAX. ANGLE	COMMENTS
6-82-341 INVOLUTE SPLINE	82.55-18 3.250	50.80 2.000	133.35 5.250	79.38 3.125	ST	8	
6-82-1251	63.50-16 2.500	76.20 3.000	207.17 8.156	137.32 5.406	HC	22.5	
6-82-1171-10	63.50-16 2.500	88.90 3.500	245.27 9.656	160.34 6.313	HC	24 / 29	
6-82-1281-6	63.50-16 2.500	88.90 3.500	270.67 10.656	175.42 6.906	HC	45	
6-82-1281	63.50-16 2.500	88.90 3.500	307.18 12.094	211.93 8.344	HC	45	
6-82-1091-1	63.50-16 2.500	101.60 4.000	308.77 12.156	215.11 8.469	HC	24 / 29	
6-82-1091-8	63.50-16 2.500	101.60 4.000	321.46 12.656	227.80 8.969	HC	24 / 29	
6-82-1061-1	63.50-16 2.500	101.60 4.000	355.60 14.000	230.98 9.094	HC	45	
6-82-1091-4	63.50-16 2.500	101.60 4.000	341.31 13.438	247.65 9.750	HC	24 / 29	
6-82-1061-15	63.50-16 2.500	101.60 4.000	349.25 13.750	244.48 9.625	HC	45	
6-82-1061-3	63.50-16 2.500	101.60 4.000	381.79 15.031	257.18 10.125	HC	45	
6-82-1091-3	63.50-16 2.500	101.60 4.000	359.57 14.156	265.91 10.469	HC	24 / 29	
6-82-1091-5	63.50-16 2.500	101.60 4.000	369.89 14.563	276.23 10.875	HC	24 / 29	

= INDENT ONLY

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HARDY SPICER 1710



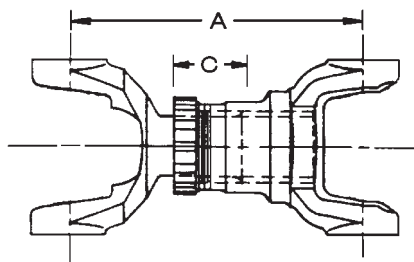
1710

TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 59.7mm (2.35")

SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
6-3-2671KX	6-40-541	280.00 11.020	98.60 3.880	414.30 16.310	6-28-347	21	3210-0000 4.000 x 0.134
6-3-2651KX	6-40-521	330.00 12.990	133.40 5.250	466.90 18.830	6-28-347	25	3210-0000 4.000 x 0.134
6-3-2551KX	6-40-521	352.00 13.858	133.40 5.250	505.67 19.908	6-28-467	45	3210-0000 4.000 x 0.134

3207-0000 (4.09 X 0.180) Tube can be used for heavy duty applications



1710

SHORT COUPLED ASSEMBLY

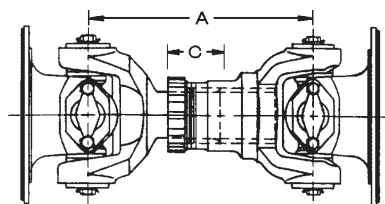
COMPLETE ASSEMBLY PART No.	C/LINE TO C/LINE CLOSED A	SLIP YOKE PART No.	MALE YOKE SHAFT PART No.	TOTAL SLIP C	MAX. ANGLE	COMMENTS
6-83-A011	168.20 15.827	6-3-1661KX	6-82-341	19.05 0.750	8	
6-83-402	402.00 15.827	6-3-2651KX	6-82-1061-15	133.40 5.250	30	
6-83-420	420.00 16.535	6-3-2551KX	6-82-1061-15	139.00 5.472	45	
6-83-437	437.00 17.205	6-3-2551KX	6-82-1061-1	139.00 5.472	45	
6-83-463	463.00 18.228	6-3-2551KX	6-82-1061-3	139.00 5.472	45	

Note: Sold as complete assemblies only.

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1710 HARDY SPICER



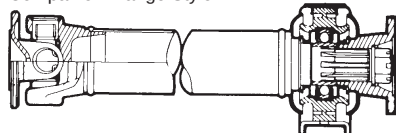
1710 SHORT COUPLED ASSEMBLY CHART

SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY.	COMMENTS
6-3-1661KX	6-82-341	19.10 0.750	168.20 6.620	8	AVAILABLE WHILE STOCKS LAST USE COMPLETE ASSY NUMBER 6-83-A011
6-3-2651KX	6-82-1091-5	133.35 5.250	431.80 17.000	24 / 29	
6-3-2651KX	6-82-1091-4	133.35 5.250	403.35 15.880	24 / 29	
6-3-2671KX	6-82-1091-1	98.55 3.880	352.55 13.880	20	
6-3-2671KX	6-82-1091-3	98.55 3.880	403.35 15.880	20	

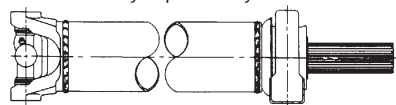
Shaft Assembly End Yoke Style



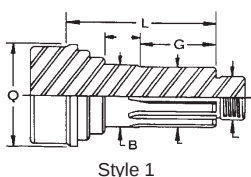
Companion Flange Style



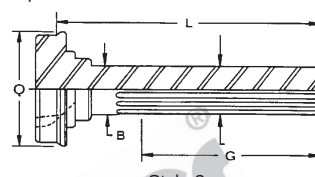
Shaft Assembly Slip Yoke Style



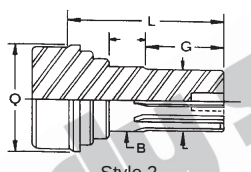
Midship Stubs



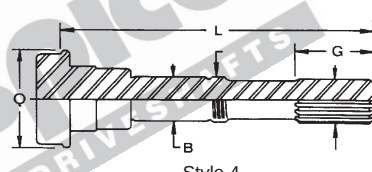
Style 1



Style 3



Style 2



Style 4

1710 CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y P E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
6-53-311	1	59.69-16 2.350	66.80 2.630	134.87 5.310	3210-0000 4.000 x 0.134	60.00 2.362	210661-1X see Note 1	6-4-4601* END YOKE 6-1-A2211 C/FLANGE 6-1-A2221 C/FLANGE	NUT 231502, WASHER 510-27 CAN USE 20-74-91‡ 1710 FACE SEMI FINISHED
6-53-201	1	49.60-10 1.950	76.20 3.000	130.96 5.156	3210-0000 4.000 x 0.134	50.00 1.969	210121-1X see Note 2	6-4-1981□ END YOKE	& NUT 231502, WASHER 510-27

3207-0000 (4.09 x 0.180) Tube can be used for heavy duty applications

Note 1 - 210875-1X Centre Bearing can be used for Heavy Duty applications

Note 2 - 210881-1X Centre Bearing can be used for Heavy Duty applications

* Can also use 6-4-4601-1 Half Round Yoke

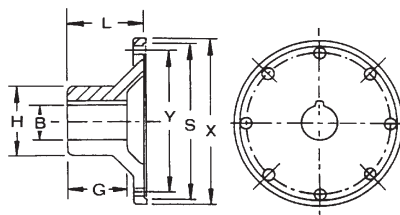
□ Can also use 6-4-1981-1 Half Round Yoke

‡ Flanged Nut

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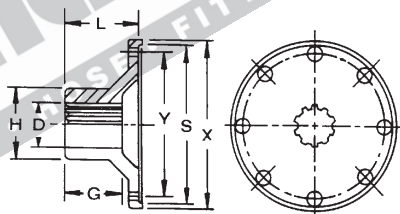


1710

COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN
	B	H		L	G		Y	S	X	
6-1-A2233	25.00 0.984	168.34 6.628	115.00 4.500	92.50 3.642	90.00 3.543	9.53 x 8 0.375	184.15 7.250	F-196.85 F-7.750	203.20 8.000	EQUALLY SPACED



1710

COMPANION FLANGE

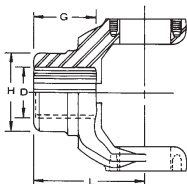
CIRCULAR TYPE - SPLINED HOLE

PART No.	SPLINE O.D. & No.	HUB O.D.	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN	NOTES
	D	H	L	G		Y	S	X		
6-1-A2211	59.69-16 2.35				9.53 x 8 0.375	184.15 7.250	F-196.85 F-7.750	203.20 8.000	EQUALLY SPACED	SUIT STUB 6-53-311
6-1-A2221	59.69-16 2.35				N/A	N/A	N/A	240.00 9.449	EQUALLY SPACED	SEMI FINISHED
SC-1-292 LARGE HUB	54.77-22 2.156	84.07 3.310	84.84 3.340	83.00 3.260	9.53 x 8 0.375	184.15 7.250	F-196.85 7.750	203.20 8.000	EQUALLY SPACED	SCANIA SPLINE
SMALL HUB		73.15 2.880	Machine seal to Scania size Machine flange to suit Scania nut							

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1710 HARDY SPICER



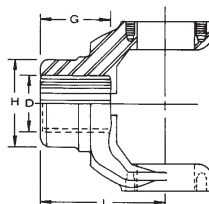
1710 MIDSHIP END YOKES

SPLINED HOLE							
PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	STYLE	COMMENTS
6-4-1981	50.01-10 1.969	61.93 2.438	76.20 3.000	127.00 5.000	21	FULL ROUND	
6-4-1981-1	50.01-10 1.969	61.93 2.438	76.20 3.000	127.00 5.000	21	HALF ROUND	USE STRAP KIT 6-5-70-18X
6-4-4601	59.54-16 2.344	73.03 2.875	69.85 2.750	125.43 4.938	20	FULL ROUND	
6-4-4601-1	59.54-16 2.344	73.03 2.875	69.85 2.750	125.43 4.938	20	HALF ROUND	USE STRAP KIT 6-5-70-18X

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1710

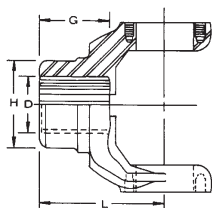
SPLINED END YOKES

PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH THROUGH HUB G	C/L TO END L	JOINT ANGLE	SLINGER PART No. / YOKE INCL SLINGER	COMMENTS / APPLICATION
6-4-2381	1.75"x10 44.45	2.75" 69.85	2.250" 57.15	4.88" 123.95	25		SLHD-SQHD
6-4-6331	1.77"x34 44.96	2.50" 63.50	2.250" 57.15	4.88" 123.95	28	231101 (6-4-5131X)	SP40-SL.SQ100
6-4-6321	1.77"x34 44.96	2.50" 63.50	2.250" 57.15	5.97" 151.64	45	231101 (6-4-5111X)	SLHP-SQHP
6-4-6481	1.79"x34 45.47	2.63" 66.80	2.438" 61.93	5.44" 138.18	34		Late Eaton DS. DP. DT 340-40-401-402-451
6-4-6451	1.79"x34 45.47	2.63" 66.80	2.438" 61.93	6.31" 160.27	45		Late Eaton DS.SP.ST 340-40-401-402-451
6-4-3221	1.96"x10 49.78	2.75" 69.85	2.625" 66.68	5.25" 133.35	21	98-1362 (6-4-4361X)	SSHD Early
6-4-3291	1.96"x10 49.78	3.00" 76.20	2.250" 57.15	4.56" 115.82	20		International Diff
6-4-3241	2.00"x10 50.80	2.94" 74.68	2.562" 65.07	5.19" 131.83	25	98-1361 (6-4-4291X)	SLHD-SQHD
6-4-6401	2.02"x39 51.31	3.00" 76.20	2.327" 59.11	5.16" 131.06	33	231102 (6-4-6411X) 231359 (6-4-6421X)	SP40-SL.SQ100
6-4-5991	2.02"x39 51.31	2.63" 66.80	2.250" 57.15	5.25" 133.35	33	230909 (6-4-6001X)	Late Eaton DS.DP.DT 340-40-401-402-451
6-4-5521	2.02"x39 51.31	2.75" 69.85	2.438" 61.93	5.25" 133.35	33	231599 (6-4-6951X)	SSHD Late
6-4-6011	2.02"x39 51.31	2.63" 66.80	2.250" 57.15	6.13" 155.70	45	230909 (6-4-6021X)	Late Eaton DS.DP.DT 340-40-401-402-451
6-4-6371	2.02"x39 51.31	3.00" 76.20	2.312" 58.72	6.25" 158.75	43.5	231102 (6-4-6381X) 231359 (6-4-6391X)	RT140-145-RT380
6-4-5501	2.02"x39 51.31	2.75" 69.85	2.438" 61.93	6.50" 165.10	35	231599 (6-4-6871X)	SSHD Late
6-4-7551	2.14"x41 54.36	2.94" 74.68	2.500" 63.50	6.13" 155.70	42	231028 (6-4-7561X) 232604 (6-4-9181X)	Eaton DS.DP 461-651
6-4-7541	2.14"x41 54.36	2.94" 74.68	3.000" 76.20	6.63" 168.40	42	231028 (6-4-7651X) 232609 (6-4-9191X)	Eaton DS.DP 461-651
6-4-1991	2.25"x10 57.15	3.00" 76.20	3.000" 76.20	6.06" 153.92	24	230921 (6-4-4411X)	SSHD Early
6-4-8461	2.27"x44 57.66	2.94" 74.68	2.500" 63.50	5.19" 131.83	27	231022 (6-4-6041X)	Late Eaton DS.DP.DT 340-40-401-402-451

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1710 SPLINED END YOKES cont.

PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH THROUGH HUB G	C/L TO END L	JOINT ANGLE	SLINGER PART No. / YOKE INCL SLINGER	COMMENTS / APPLICATION
6-4-5711	2.36"x36 59.94	3.000" 76.20	2.688" 68.28	5.44" 138.18	22	231750 (6-4-7191X)	International Diff
6-4-7161	2.37"x46 60.20	3.250" 82.55	2.328" 59.13	5.39" 136.91	29	231803 (6-4-7181X)	RT145-RT160
6-4-5451	2.37"x46 60.20	3.250" 82.55	2.625" 66.68	5.69" 144.53	22	231179 (6-4-5461X)	SSHD Late
6-4-6961X	2.37"x46 60.20	3.250" 82.55	2.875" 73.03	5.94" 150.88	26	231615	
6-4-7761	2.37"x46 60.20	3.250" 82.55	2.344" 59.54	6.50" 165.10	45	231803 (6-4-7771X)	RT145-160
6-4-4771-1	2.39"x46 60.71	3.500" 88.90	3.375" 85.73	5.75" 146.05	16		
6-4-6611	2.50"x10 63.50	3.750" 95.25	3.000" 76.20	5.62" 142.75	30	231616 (6-4-6921X)	Roadranger RT613, RT6613, RT910, 915, 9513
6-4-7071X	2.64"x20 67.06	3.750" 95.25	2.750" 69.85	5.19" 131.83	21	231745	
6-4-4551	2.75"x10 69.85	3.500" 88.90	3.000" 76.20	5.75" 146.05	22	230674 (6-4-5251X)	Roadranger RT12 & 14 series with 3.500" seal / hub diameter
6-4-6821	2.75"x10 69.85	3.750" 95.25	3.000" 76.20	5.75" 146.05	22	231616 (6-4-6931X)	Roadranger RT14613, 14615 14715, 15615, 15613, 16718B 16609, 16613, 16618, 18718B & various others with 3.750"

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HARDY SPICER 1760

B1 = 177.80

7.00

E = 61.90

2.31

C = 49.21

1.93

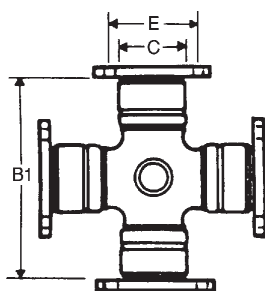


FIG. 1

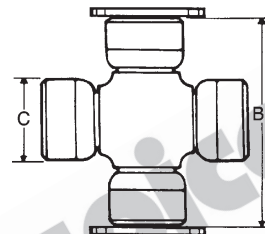


FIG. 2

1760

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-407X	SIDE	1	STANDARD JOINT
5-407XD	SIDE	1	PREMIUM BRAND
5-677XD	SIDE	2	PREMIUM SPICER BRAND HALF ROUND C/W STRAP KIT

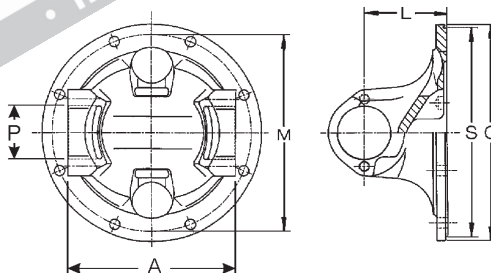
LOCK TABS AVAILABLE SEPARATELY. PART NUMBER 94-A339

A - 177.80

7.00

P - 49.21

1.93



1760

FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
6-3-2-19	203.20 8.000	85.73 3.375	M-196.85 M-7.750	30	184.15 7.250	4 x GROUPS OF THREE	12	11.13 0.438	STANDARD

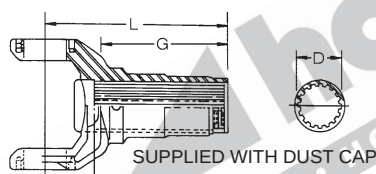


Fig-1

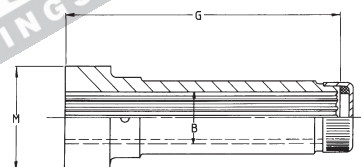


Fig-2

1760

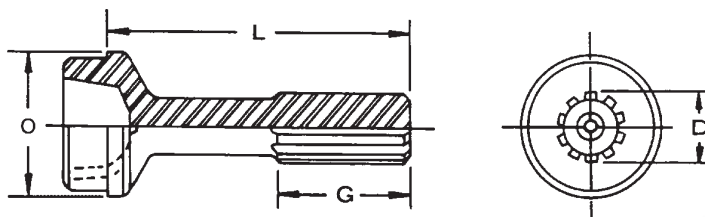
SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE	C/LINE TO END OF	LENGTH OF SPLINE	JOINT ANGLE	DUST CAP KIT	COMMENTS
		D	L	G			
6-3-3-41KX	1	63.50-16 2.500	234.95 9.250	160.73 6.328	20	SJS71A	
6-55-A0158	1	63.50-16 2.500	N/A	255.00 10.039	N/A	SJS71A	BUTT SIZE "M" = 100mm x 52mm SEMI FINISHED SLEEVE

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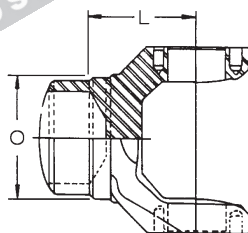
1760 HARDY SPICER



1760 STUB

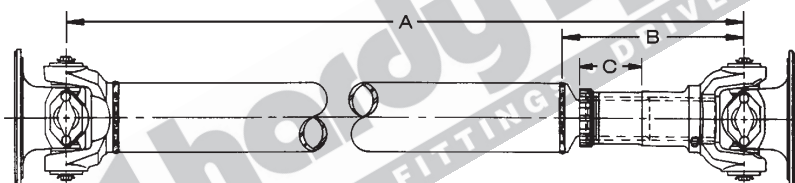
SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
6-40-541	63.50-16 2.500	HC	101.60 4.000	235.00 9.250	S	103.9 x 4.57 4.090 x 0.180	3207-0000	STANDARD

BUTT TYPE:
H=HOLLOW
S=SOLID



1760 WELD YOKE

PART No.	C/LINE TO POINT OF WELD	TUBE O.D. & WALL THICKNESS	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
	L	O				
6-3-28-17	76.96 3.030	103.89 x 4.57 4.090 x 0.180	3207-0000	H	30	



1760 TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 58.7mm (2.31")

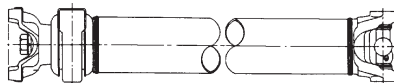
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED	TOTAL SLIP	CLOSED LENGTH C/L TO C/L U.J.'s	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
		B	C	A			
6-3-3-41KX	6-40-541	275.00 10.830	98.60 3.880	411.00 16.100	6-3-28-17	30	3207-0000 4.090 x 0.180

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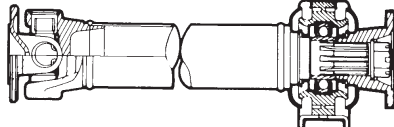
Document No:	HSDSCAT
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HARDY SPICER 1760

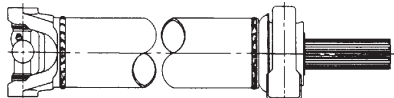
Shaft Assembly End Yoke Style



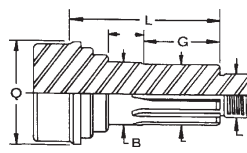
Companion Flange Style



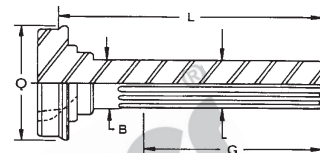
Shaft Assembly Slip Yoke Style



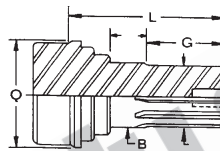
Midship Stubs



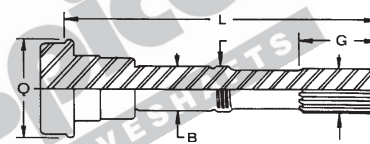
Style 1



Style 3



Style 2



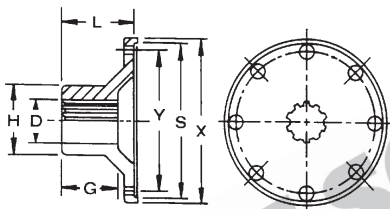
Style 4

1760

CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEARING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/COMPANION FLANGE/END YOKE	COMMENTS
6-53-311	1	59.51-16 2.340	66.67 2.620	134.92 5.310	3207-0000 4.090 x 0.180	60.00 2.362	210661-1X see Note	6-3-4-161 END YOKE	& NUT 231502, WASHER 510-27 CAN USE 20-74-91‡

Note - 210875-1X centre bearing can be used for Heavy Duty applications
‡ Flanged nut



1760

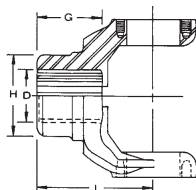
COMPANION FLANGE

CIRCULAR TYPE - SPLINED HOLE										
PART No.	SPLINE O.D. & No.	HUB O.D.	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No.	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN	NOTES
SC-1-291	54.77-22 2.156	84.07 3.310	84.84 3.340	64.52 2.540	11.2 x 12 0.441	184.15 7.250	F-196.85 F-7.750	203.20 8.000	4 x GROUPS OF THREE @ 45°	SCANIA SPLINE
LARGE HUB		73.152 2.880	Machine seal to Scania size							
SMALL HUB			Machine flange to suit Scania nut							

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1760 END YOKE

SPLINED HOLE

PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	STYLE	COMMENTS
6-3-4-161	59.54-16 2.344	73.03 2.875	69.85 2.750	139.70 5.500	30	FULL ROUND	

HARDY SPICER 1800

REPLACEMENT PARTS ONLY
FOR COMPLETE ASSEMBLIES USE 1810 SERIES

B1 = 167.49

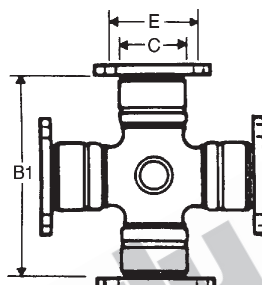
6.59

E = 71.44

2.81

C = 58.74

2.31



1800

UNIVERSAL JOINT KIT

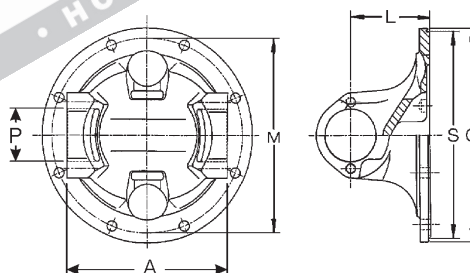
PART No.	LUBE	DESCRIPTION
5-124X	SIDE	STANDARD JOINT

A - 167.49

6.59

P - 58.74

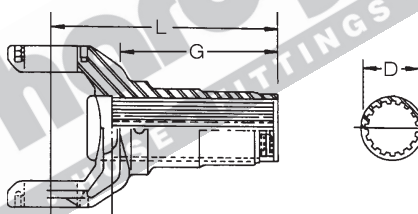
2.31



1800

FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
6-5-2-GB79	203.20 8.000	85.73 3.375	M-196.85 M-7.750	25	184.15 7.250	4 x GROUPS OF THREE	12	11.13 0.438	STANDARD



SUPPLIED WITH DUST CAP

1800

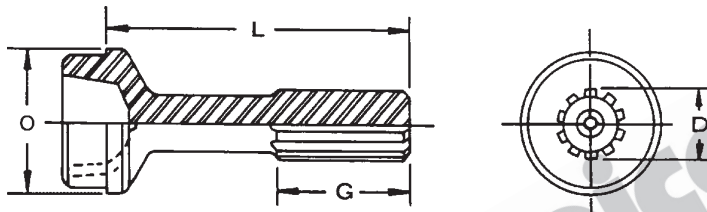
SLIP YOKE

PART No.	SPLINE O.D. & No.	C/LINE TO END OF SPLINE	LENGTH OF SPLINE	JOINT ANGLE	DUST CAP KIT	COMMENTS
	D	L	G			
6-5-3-38KX	76.20-10 3.000	322.00 12.677	196.00 7.716	30		

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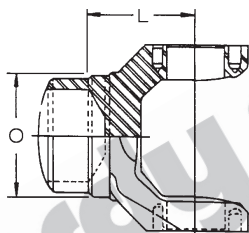
1800 HARDY SPICER



1800 STUB

SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
6-5-42-121	76.20-10 3.000	ST	111.00 4.370	233.00 9.173	H	88.90 x 4.70 3.500 x 0.185		

BUTT TYPE:
H=HOLLOW
S=SOLID



1800 WELD YOKE

PART No.	C/LINE TO POINT OF WELD	TUBE O.D. & WALL THICKNESS	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
	L	O				
6-5-26-GB107	92.20 3.360	88.90 x 4.78 3.500 x 0.188		H	30	

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HARDY SPICER 1810

B1 = 191.69

7.55

E = 61.90

2.31

C = 49.21

1.93

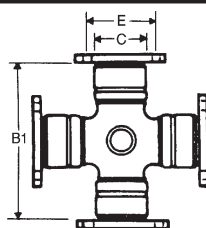


FIG. 1

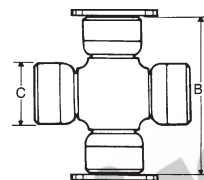


FIG. 2

1810

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-281X	SIDE	1	STANDARD JOINT
5-281XD	SIDE	1	PREMIUM BRAND
5-281XR	SIDE	1	PREMIUM ROCKWELL BRAND
5-676X	SIDE	2	SUITS HALF ROUND C/W STRAP KIT
5-676XD	SIDE	2	PREMIUM BRAND FOR HALF ROUND YOKES C/W STRAP KIT
5-510XR	SIDE	2	PREMIUM ROCKWELL HALF ROUND USE STRAP KIT 6-5-70-18X

LOCK TABS AVAILABLE SEPARATELY. PART NUMBER 94-A339

1810

CONVERSION UNIVERSAL JOINT KITS

Refer to Section B:1 for dimensional data & hardware kits

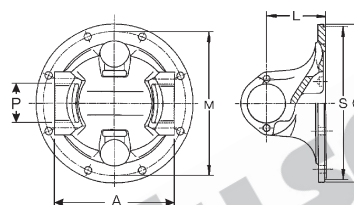
PART No.	LUBE	DESCRIPTION
5-324X		CONVERSION 1810 - 9C SERIES
5-324XD		PREMIUM BRAND 1810 - 9C CONVERSION

A - 191.69

7.55

P - 49.21

1.93



1810

FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
6-5-2-329	203.20 8.000	85.73 3.375	M-196.85 M-7.750	30	184.15 7.250	4 x GROUPS OF THREE	12	11.13 0.438	STANDARD
6-5-2-329-1	203.20 8.000	85.73 3.375	M-196.85 M-7.750	30	184.15 7.250	4 x GROUPS OF THREE	12	11.13 0.438	QUICK RELEASE HALF ROUND
6-5-2-359	203.20 8.000	65.79 2.594	M-196.85 M-7.750	12	184.15 7.250	4 x GROUPS OF THREE	12	11.13 0.438	LOW ANGLE
6-5-2-A2179	180.00 7.087	88.50 3.484	F-110.00 F-4.330	30	155.50 6.122	EQUALLY SPACED	8	14.10 0.555	METRIC DIN 180mm x 8M14
6-5-2-A2189	180.00 7.087	92.00 3.622	F-110.00 F-4.330	30	155.50 6.122	EQUALLY SPACED	10	16.10 0.634	METRIC DIN 180mm x 10M16
6-5-2-180KV	180.00 7.087	90.00 3.543			155.50 5.906	122.9 x 86.0 4.838 x 3.386	4	15.10 0.594	Ø180mm KV 70°
6-5-2-47#	203.20 7.087	85.73 3.375		30			-		BLANK FACE

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1810 HARDY SPICER

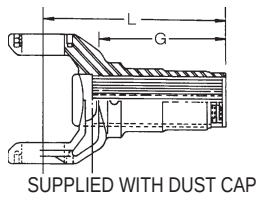


Fig-1

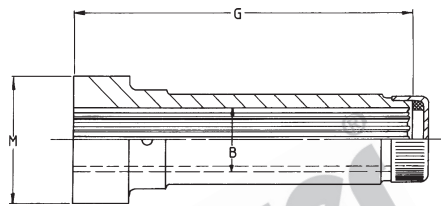
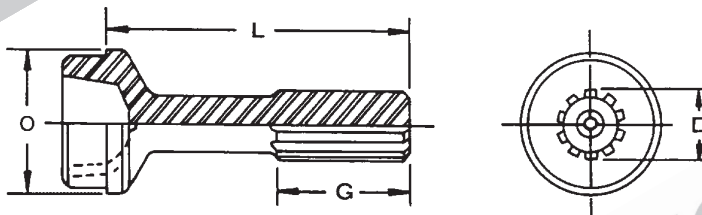


Fig-2

1810 SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KIT	COMMENTS
6-5-3-1351KX	1	76.20-16 3.000	260.35 10.250	200.03 7.875	30	SJS81A	STANDARD
6-5-3-1371KX	1	76.20-16 3.000	301.50 11.875	241.30 9.500	30	SJS81A	LONG
6-5-3-1451KX	1	52.55-18 3.250	136.53 5.375	98.43 3.875	12	D6E#	SHORT COUPLED SLIP YOKE
6-5-55-A0168	2	76.20-16 3.000	N/A	280.00 11.023	N/A	SJS81A	BUTT SIZE "M"=114.3mm x 55mm SEMI FINISHED SLEEVE

INDENT PART



1810 STUB

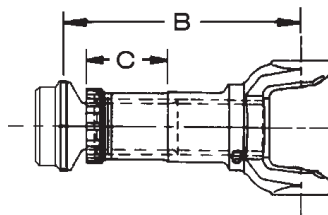
SPLINE TYPE:				HC = HARDY COATED ST = STEEL		BUTT TYPE:		H = HOLLOW S = SOLID	
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS	
	D		G	L		O			
6-5-40-201	76.20-16 3.000	HC	114.30 4.500	240.48 9.460	H	114.30 x 3.40 4.500 x 0.134	3610-0000	STANDARD	
6-5-40-191	76.20-16 3.000	HC	114.30 4.500	285.75 11.250	H	114.30 x 3.40 4.500 x 0.134	3610-0000	LONG	
8-40-101	76.20-16 3.000	HC	114.30 4.500	292.86 11.530	H	114.30 x 6.58 4.500 x 0.259	3603-0000	LONG HEAVY DUTY	
8-40-91	76.20-16 3.000	HC	114.30 4.500	251.46 9.900	H	114.30 x 6.58 4.500 x 0.259	3603-0000	STANDARD HEAVY DUTY	
6-5-40-141	76.20-16 3.000	HC	114.30 4.500	274.62 10.812	S	90.17 x 5.26 3.550 x 0.207			
Medium Duty applications may use 3607-0000 (4.59 x 0.180) Tube instead of 3610-0000 (4.50 x 0.134)									

Medium Duty applications may use 3607-0000 (4.59 x 0.180) Tube instead of 3610-0000 (4.50 x 0.134)

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HARDY SPICER 1810

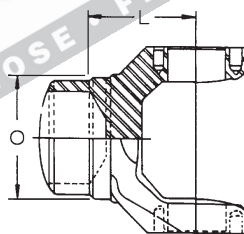


1810

SLIP / STUB ASSEMBLY

ASSEMBLY PART No.	C/LINE TO POINT OF WELD CLOSED B	SLIP YOKE PART No.	MALE STUB PART No.	TOTAL SLIP C	MAX. ANGLE	COMMENTS
6-5-84-300	301.00 11.850	6-5-3-1351KX	6-5-40-201	85.70 3.370	30	
6-5-84-346	350.00 13.780	6-5-3-1371KX	6-5-40-191	127.00 5.000	30	

BUTT TYPE:
H=HOLLOW
S=SOLID



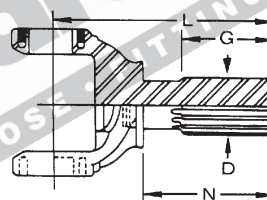
1810

WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
6-5-28-117	85.72 3.376	114.30 x 3.40 4.500 x 0.134	3610-0000	H	30	STANDARD
6-5-28-127	85.72 3.376	114.30 x 6.58 4.500 x 0.259	3603-0000	H	30	HEAVY DUTY
6-5-28-137	85.72 3.376	90.17 x 5.26 3.550 x 0.207		H	30	INTER AXLE

Medium Duty applications may use 3607-0000 (4.59 x 0.180) Tube instead of 3610-0000 (4.50 x 0.134)

SPLINE TYPE:
HC=HARDY COAT
ST=STEEL



1810

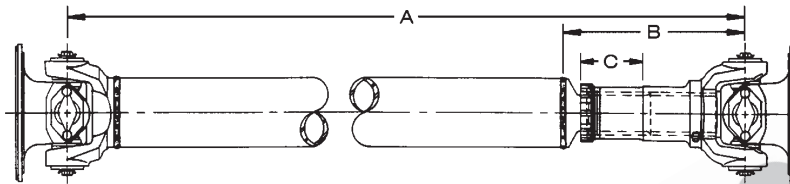
STUB YOKE

PART No.	SPLINE DIA. & No. D	LENGTH OF SPLINE G	C/LINE TO END OF SPLINE L	SHOULDER TO END OF SPLINE N	SPLINE TYPE	MAX. ANGLE	COMMENTS
6-5-82-511-1 INVOLUTE	82.55-18 3.250	69.85 2.750	170.66 6.719	106.36 4.188	ST	12	
6-5-82-451-1	76.20-16 3.000	101.60 4.000	290.51 11.438	198.44 7.813	HC	30	

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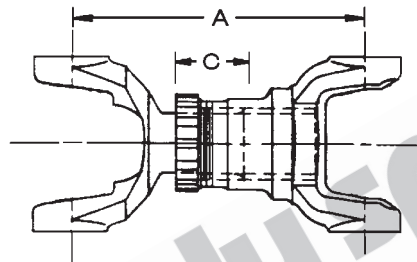
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1810 HARDY SPICER



1810 TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH = 70.6mm (2.78")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
6-5-3-1351KX	6-5-40-201	301.00 11.850	85.70 3.370	457.20 18.000	6-5-28-117	30	3610-0000 4.500 x 0.134
6-5-3-1351KX	8-40-91	305.56 12.030	85.7 3.370	468.38 18.440	6-5-28-127	30	3603-0000 4.500 x 0.259
6-5-3-1371KX	6-5-40-191	350.00 13.780	127.00 5.000	501.70 19.750	6-5-28-117	30	3610-0000 4.500 x 0.134
6-5-3-1371KX	8-40-101	360.00 14.170	127.00 5.000	509.50 20.060	6-5-28-127	30	3603-0000 4.500 x 0.259
Medium Duty applications may use 3607-0000 (4.59 x 0.180) Tube instead of 3610-0000 (4.50 x 0.134)							



1810 SHORT COUPLED ASSEMBLY

COMPLETE ASSEMBLY PART No.	C/LINE TO C/LINE CLOSED A	SLIP YOKE PART No.	MALE YOKE SHAFT PART No.	TOTAL SLIP C	MAX. ANGLE	COMMENTS
6-5-83-330	330.00 12.992	6-5-3-1431KX	6-5-82-451-1	85.00 3.346	30	
6-5-83-411#	411.00 16.181	6-5-3-1371KX	6-5-82-461-8	127.00 5.000	30	
6-5-83-443#	443.00 17.441	6-5-3-1371KX	6-5-82-461-10	127.00 5.000	30	
6-5-83-474#	474.00 18.661	6-5-3-1371KX	6-5-82-461-12	127.00 5.000	30	

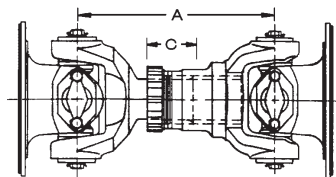
Note: Sold as complete assemblies only.

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HARDY SPICER 1810



1810

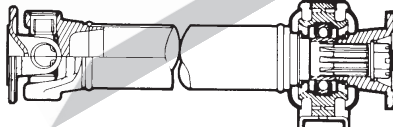
SHORT COUPLED ASSEMBLY CHART

SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY.	COMMENTS
6-5-3-1451KX	6-5-82-511-1	28.50 1.120	208.50 8.210	12	
6-5-3-1351KX*	6-5-82-451-1	85.85 3.380	330.20 13.000	30	* Shorten to 8.938" (227.03mm)

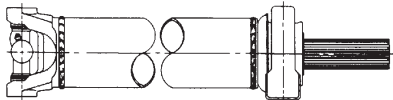
Shaft Assembly End Yoke Style



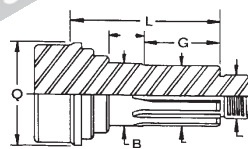
Companion Flange Style



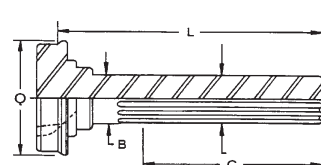
Shaft Assembly Slip Yoke Style



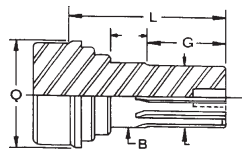
Midship Stubs



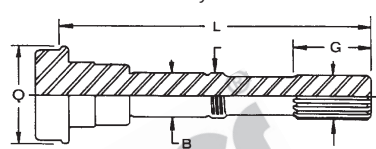
Style 1



Style 3



Style 2



Style 4

1810

CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
6-5-53-91	1	59.69-16 2.350	69.85 2.750	134.92 5.310	3610-0000 4.500 x 0.134	60.00 2.362	210661-1X see Note	6-5-4-1891* END YOKE 6-5-1-A1811 C/FLANGE 587-42-1-1891KV KV C/FLANGE 6-1-A2221 C/FLANGE	& NUT 231502, WASHER 510-27 CAN USE 20-74-91‡ 1810 FACE 180mm KV FLANGE SEMI FINISHED
6-5-53-51	1	59.69-16 2.350	69.85 2.750	138.12 5.438	3603-0000 4.500 x 0.259	60.00 2.362	210661-1X see Note	6-5-4-1891* END YOKE	& NUT 231502, WASHER 510-27 CAN USE 20-74-91‡
8-53-41	1	57.15-10 2.250	65.08 2.562	134.14 5.281	3603-0000 4.500 x 0.259	60.00 2.362	A34MU336 MACK	6-5-4-2131□ # END YOKE	& NUT 231502, WASHER 510-27 CAN USE 20-74-91‡

Note - 210875-1X can be used for Heavy Duty applications

* Can also use 6-5-4-1891-1 HALF ROUND YOKE

□ Can also use 6-5-4-2131-1 HALF ROUND YOKE

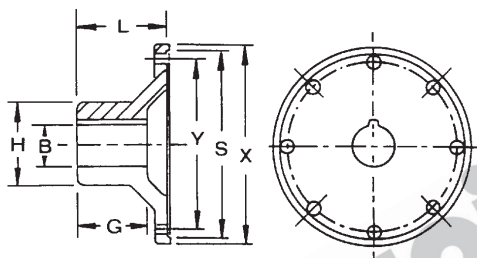
Can also use 9C-4-3647 suits MACK 1810-9C with 5-324X joint

‡ Flanged Nut

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1810 HARDY SPICER

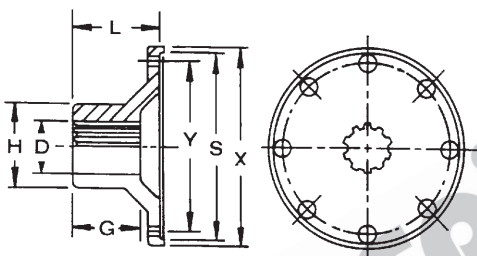


1810 COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN
	B	H		L	G		Y	S	X	
6-5-1-0533	25.00 0.984	168.34 6.628	115.00 4.500	92.50 3.642	90.00 3.543	11.2 x 12 0.440	184.15 7.250	F-196.85 F-7.750	203.20 8.000	4 SETS OF 3 @ 45°

Holes need to be redrilled for 1760/1810 applications



1810 COMPANION FLANGE

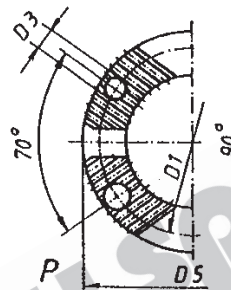
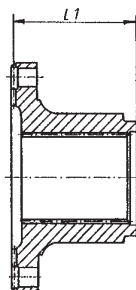
CIRCULAR TYPE - SPLINED HOLE

PART No.	SPLINE O.D. & No.	HUB O.D.	FLANGE FACE TO END OF HUB	LENGTH THRU HOLE	BOLT HOLE DIA. & No.	P.C.D.	SPIGOT DIA.	FLANGE O.D.	BOLT HOLE PATTERN	NOTES
	D	H	L	G		Y	S	X		
SC-1-291 LARGE HUB	54.77-22 2.156	84.07 3.310	84.84 3.340	64.52 2.540	11.2x12 0.441	184.15 7.250	F-196.85 F-7.750	203.20 8.000	4 GROUPS OF THREE @ 45°	SCANIA SPLINE
SMALL HUB		73.152 2.880	Machine seal to Scania size Machine flange to suit Scania nut							
6-5-1-1811	59.54-16 2.344	73.03 2.875	0.0 0.000	69.85 2.750	11.2x12 0.441	184.15 7.250	F-196.85 F-7.750	203.20 8.000	4 GROUPS OF THREE	1810 MIDSHIP
6-1-A2221 SEMI FINISHED	59.54-16 2.344	73.03 2.875	0.0 0.000	69.85 2.750	N/A	N/A	N/A			1810 MIDSHIP

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HARDY SPICER 1810



1810

KV COMPANION FLANGES

SPLINED HOLE							
PART No.	SPLINE O.D. & No.	GROUND HUB O.D.	LENGTH THROUGH HUB	FLANGE FACE TO HUB END L1	FLANGE O.D. P	BOLT HOLES D3	COMMENTS
587-42-1-3291KV	1.960 - 10 49.78	3.000 76.20	2.250 57.15	3.346 85.00	7.087 180.00	0.594 x 4 15.1	
587-42-1-6371KV	2.024 - 39 51.40	3.000 76.20	2.319 58.90	3.346 85.00	7.087 180.00	0.594 x 4 15.1	Rockwell / Meritor RT140 - 145 - RT380
587-42-1-1891KV	2.344 - 16 59.53	N/A	2.750 69.85	4.331 110.00	7.087 180.00	0.594 x 4 15.1	SUITS 1810 MIDSHIP STUB 6-5-53-91
587-42-1-3201KV	2.375 - 39 60.33	3.250 82.50	2.874 73.00	3.937 100.00	7.087 180.00	0.594 x 4 15.1	Rockwell / Meritor RT180 - 185 - 380
587-42-1-3361KV	2.574 - 20 65.38	3.500 88.90	3.390 86.10	4.431 110.00	7.087 180.00	0.594 x 4 15.1	
587-42-1-1901KV	2.750 - 10 69.85	3.500 88.90	3.000 76.20	4.331 110.00	7.087 180.00	0.594 x 4 15.1	
587-42-1-3491KV	2.750 - 10 69.85	3.750 95.25	3.000 76.20	4.331 110.00	7.087 180.00	0.594 x 4 15.1	Eaton / Spicer RT14613-14615-14715 15613-16718B-16609-16613 16618-18718B and various others
587-42-1-4631KV	2.794 - 54 70.97	3.750 95.25	2.750 69.85	3.563 90.50	7.087 180.00	0.594 x 4 15.1	Eaton / Spicer RT14-15-16-18-20 Series
587-42-1-PBKV	25mm BORE 0.984	4.000 101.60	3.400 86.36	4.331 110.00	7.087 180.00	0.594 x 4 15.1	PILOT BORED FLANGE

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1810 HARDY SPICER

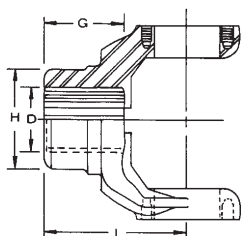


Fig 1

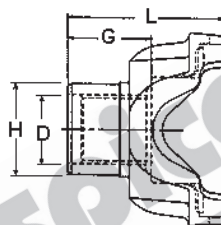


Fig 2

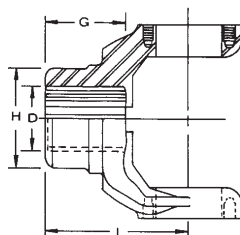
1810 MIDSHIP END YOKE

SPLINED HOLE								
PART No.	F I G	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	STYLE	COMMENTS
6-5-4-1891	1	59.54-16 2.344	73.03 2.875	69.85 2.750	139.70 5.500	30	FULL ROUND	
6-5-4-1891-1	2	59.54-16 2.344	73.03 2.875	69.85 2.750	139.70 5.500	30	HALF ROUND	USE STRAP KIT 6-5-70-18X
6-5-4-2131	1	57.15-10 2.250	73.03 2.875	76.20 3.000	149.23 5.875	30	FULL ROUND	MACK
6-5-4-2131-1	2	57.15-10 2.250	73.03 2.875	76.20 3.000	149.23 5.875	30	HALF ROUND	MACK USE STRAP KIT 6-5-70-18X

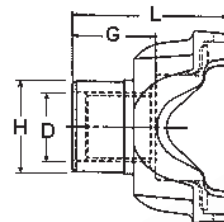
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HARDY SPICER 1810



Full Round Style



Half Round Style

1810

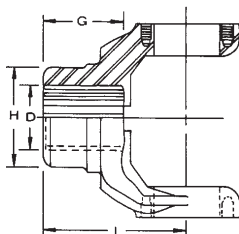
SPLINED END YOKES

SPLINED HOLE							
PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH THROUGH HUB G	C/L TO END L	JOINT ANGLE	SLINGER Part No.	COMMENTS
6-5-4-2341X	2.00"x10 50.80	2.938 74.63	2.562 65.07	5.38 136.53	30	98-1361	
6-5-4-3261	2.02"x39 51.31	2.750 69.85	2.000 50.80	5.19 131.83	30	232042-2 (6-5-4-4281X)	Mack Diff
6-5-4-2781	2.02"x39 51.31	2.750 69.85	2.438 61.93	5.53 140.46	30	231599 (6-5-4-3571X)	
6-5-4-3371	2.02"x39 51.31	3.000 76.20	2.312 58.72	5.19 131.83	30	231047 (6-5-4-3381X)	RT140
6-5-4-3371-1 Half Round	2.02"x39 51.31	3.000 76.20	2.312 58.72	5.19 131.83	30	231047 (6-5-4-3381-1X) 232028 (6-5-4-4191-1X)	RT160-185
6-5-4-4321	2.27"x44 57.65	2.940 74.68	2.500 63.50	5.25 133.35	30	231022 (6-5-4-3281X) 232168 (6-5-4-4351X)	Late Eaton DS-DP-DT 340-40-401-402-451
6-5-4-3721	2.37"x46 60.20	3.250 82.55	2.312 58.72	5.15 130.81	30	231803 (6-5-4-3731X)	RT145-160
6-5-4-3721-1 Half Round	2.37"x46 60.20	3.250 82.55	2.312 58.72	5.16 131.06	30	231803 (6-5-4-3731-1X) 211831X (6-5-4-4511-1X)	RT140-160
6-5-4-3251	2.37"x46 60.20	3.500 88.90	2.500 63.50		30	232042-10 (6-5-4-3271X)	Various
6-5-4-2701	2.37"x46 60.20	3.250 82.55	2.625 66.68	5.25 133.35	30	231179 (6-5-4-2711X)	SSHD Late
6-5-4-3201	2.37"x46 60.20	3.250 82.55	2.875 73.03	5.69 144.53	30	231179 (6-5-4-3221X) 231615 (6-5-4-3581X)	RT180-185-380
6-5-4-3201-1 Half Round	2.37"x46 60.20	3.250 82.55	2.875 73.03	5.69 144.53	30		RS,RT180-185
6-5-4-3911	2.39"x46 60.71	3.375 85.73	3.188 80.97	6.00 152.40	30	231013 (6-5-4-3921X) 232610 (6-5-4-4611X)	Eaton DS,DP 461-651
6-5-4-2101	2.50"x10 63.50	3.500 88.90	2.406 61.11	5.41 137.41	30	232042-11 (6-5-4-4291X)	Various Mack
6-5-4-3451	2.50"x10 63.50	3.750 95.25	3.000 76.20	5.88 149.35	30	231616 (6-5-4-3551X)	RT613-6613 RT910-915-9513 and various other models
6-5-4-2181	2.63"x25 66.80	3.625 90.08	3.000 76.20	5.78 146.81	30		SPL Clark
6-5-4-3021	2.64"x20 67.06	3.750 95.25	2.750 69.85	5.56 141.22	30	231745 (6-5-4-3541X)	Eaton / Spicer
6-5-4-3021-1 Half Round	2.64"x20 67.06	3.750 95.25	2.750 69.85	5.56 141.22	30	231745 (6-5-4-3541-1X)	Eaton / Spicer

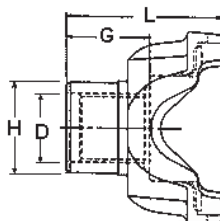
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1810 HARDY SPICER



Full Round Style



Half Round Style

1810 SPLINED END YOKES cont.

SPLINED HOLE							
PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH THROUGH HUB G	C/L TO END L	JOINT ANGLE	SLINGER Part No.	COMMENTS
6-5-4-1901	2.75"x10 69.85	3.500 88.90	3.000 76.20	6.06 153.92	30	230674	RT12 Series with 3.500" seal
6-5-4-3491	2.75"x10 69.85	3.750 95.25	3.000 76.20	6.06 153.92	30	231616 (6-5-4-3561X)	RT14613-14615-14715-15613- 14615-16718B-16609-16613- 16618-18718B and various other models with 3.750" hub seal
6-5-4-3491-1 Half Round	2.75"x10 69.85	3.750 95.25	3.000 76.20	6.06 153.92	30	231616 (6-5-4-3561-1X)	RT14613-14615-14715-15613- 14615-16718B-16609-16613- 16618-18718B and various other models with 3.750" hub seal
6-5-4-4631	2.79"x54 70.87	-	2.750 69.85	5.63 143.00			RT14-15-16-18-20 Series
6-5-4-4631-1 Half Round	2.79"x54 70.87	-	2.750 69.85	5.63 143.00			RT14-15-16-18-20 Series

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HARDY SPICER 1880

SUPERSEDED BY SPL 250 SERIES

B1 = 205.58

8.09

E = 71.44

2.81

C = 55.56

2.19

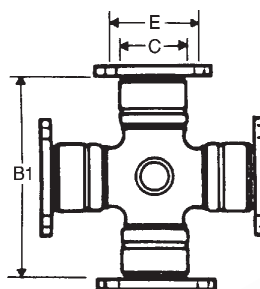


FIG. 1

1880 UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-308X	SIDE	1	STANDARD JOINT
5-308XD	SIDE	1	PREMIUM BRAND

1880 OTHER UNIVERSAL JOINT KIT

Refer to Section B:1 for dimensional data & hardware kits

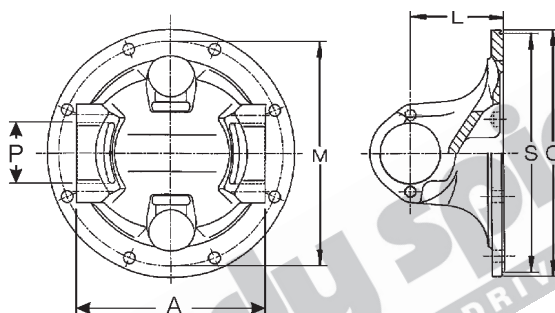
PART No.	LUBE	DESCRIPTION
5-326X		CONVERSION 1880 - 9C SERIES
5-327X		CONVERSION 1880 - 9C SERIES

A - 205.58

8.09

P - 55.56

2.19



1880 FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
8-2-109	247.65 9.750	91.29 3.594	M-177.80 M-7.000	22	209.55 8.250	4 x GROUPS OF TWO	8	15.88 0.625	STANDARD

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1880 HARDY SPICER

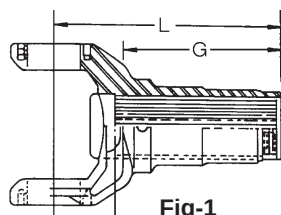
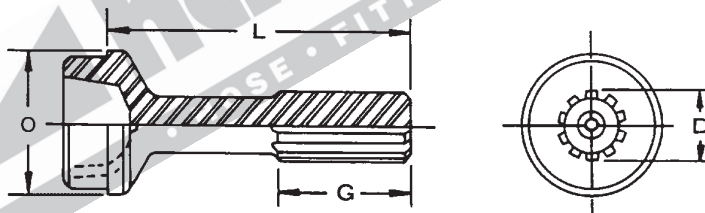


Fig-1

SUPPLIED WITH DUST CAP

1880 SLIP YOKE

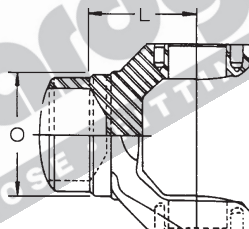
PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	COMMENTS
8-3-411KX	1	76.20-16 3.000	296.06 11.656	244.35 9.620	22	



1880 STUB

SPLINE TYPE: HC = HARDY COATED ST = STEEL					BUTT TYPE: H = HOLLOW S = SOLID			COMMENTS
PART No.	SPLINE DIA. & No. D	SPLINE TYPE	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	BUTT TYPE	TUBE O.D. & THICKNESS O	TUBE PART No.	
8-40-101	76.20-16 3.000	HC	114.30 4.500	292.86 11.530	H	114.30 x 6.58 4.500 x 0.259	3603-0000	

BUTT TYPE:
H=HOLLOW
S=SOLID



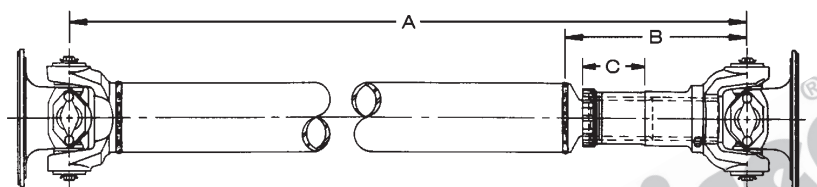
1880 WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
8-28-147	101.60 4.000	114.30 x 6.58 4.500 x 0.259	3603-0000	H	22	

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HARDY SPICER 1880



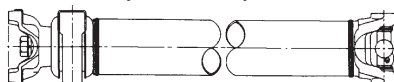
1880

TUBULAR TYPE ASSEMBLY CHART

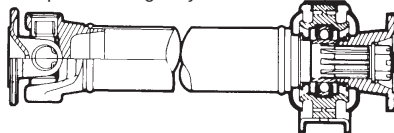
MINIMUM TUBE LENGTH = 58.7mm (2.31")

SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
8-3-411KX	8-40-101	350.00 13.780	130.10 5.120	515.90 20.310	8-28-147	22	3603-0000 4.500 x 0.259

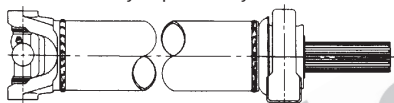
Shaft Assembly End Yoke Style



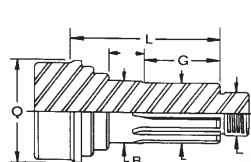
Companion Flange Style



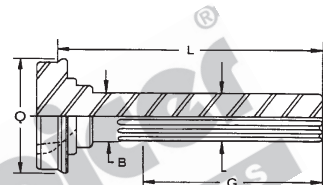
Shaft Assembly Slip Yoke Style



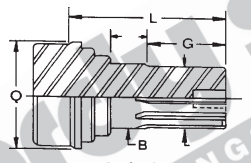
Midship Stubs



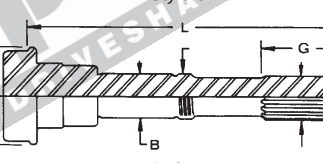
Style 1



Style 3



Style 2



Style 4

1880

CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
8-53-61	1	67.46-18 2.656	73.02 2.875	152.40 6.000	3603-0000 4.500 x 0.259	70.00 2.756	210748-1X see Note	8-4-351 END YOKE	& NUT 231502, WASHER 510-27

Note - 211070-1X can be used for Heavy Duty applications

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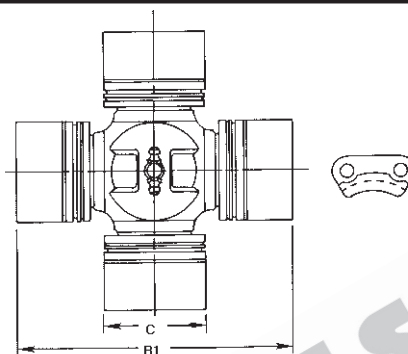


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HARDY SPICER SPL170

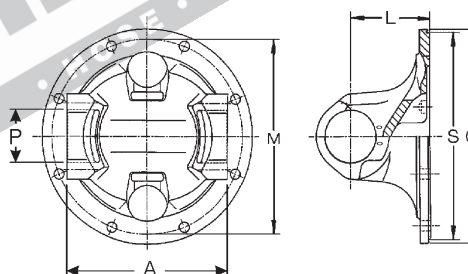
C = 55.00
2.165
B1 = 164.00
6.457



SPL170 UNIVERSAL JOINT KIT

PART No.	LUBE	DESCRIPTION
SPL170X	CENTRE	STANDARD FOR QUICK DISCONNECT END YOKES (STRAP KIT PART # 170-70-18X)

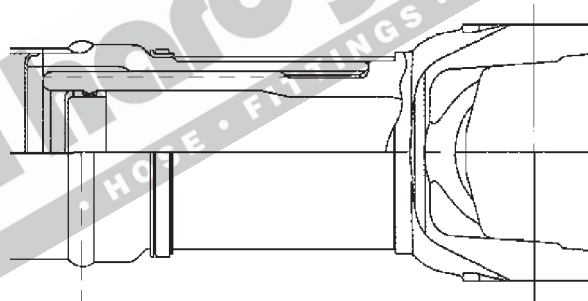
A - 164.00
6.457
P - 55.00
2.165



SPL170 FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L			M				
170-2-19	203.20 8.000	81.50 3.208	M-196.85 M-7.750	30	184.15 7.250	4 x GROUPS OF THREE	12	11.13 0.438	1810 FACE

SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



SPL170 SLIP ASSEMBLY

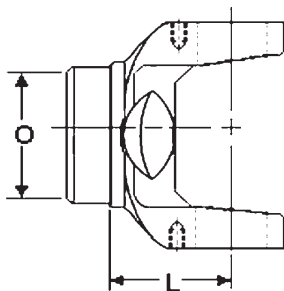
PART No.	SPLINE DIA. & No.	U/JOINT PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS	TOTAL SLIP	MAX ANGLE	COMMENTS
170SA151X	88.00-34 3.464	SPL170X	342.00 13.464	120.00 x 5.00 4.724 x 0.197	150.00 5.906	45°	

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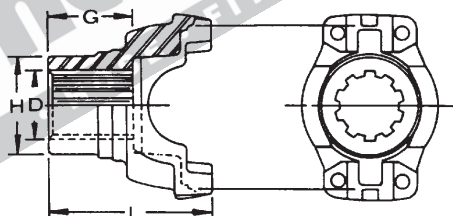
SPL170 HARDY SPICER

BUTT TYPE:
H=HOLLOW
S=SOLID



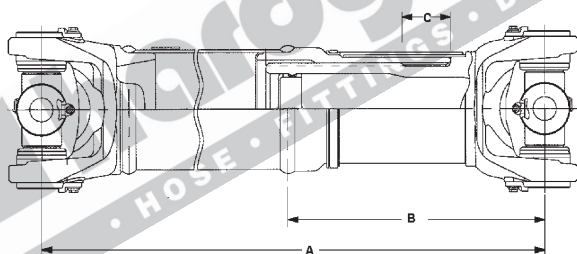
SPL170 WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
170-28-27	120.00 4.724	120.00 x 5.00 4.724 x 0.197	120X5MM	H	45°	



SPL170 END YOKE

PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	COMMENTS
170-4-661-1	51.41-39 2.024	76.20 3.000	58.72 2.312	162.33 6.391	45	STRAP KIT TO SUIT 170-70-18X
170-4-381-1X	54.43-41 2.143	74.62 2.938	63.50 2.500	169.67 6.680	45	STRAP KIT TO SUIT 170-70-18X
170-4-741-1	60.30-46 2.374	82.55 3.250	59.13 2.328	163.53 6.438	45	STRAP KIT TO SUIT 170-70-18X



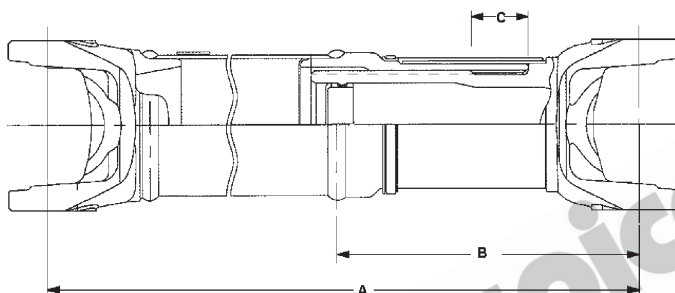
SPL170 TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH=							
SLIP ASSEMBLY PART No.	UNIVERSAL JOINT PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L UJ's A	WELD YOKE	MAX ANGLE OF ASSY.	TUBE PART No. & SIZE
170SA151X	SPL170X	342.00 13.464	150.00 5.906	510.00 20.079	170-28-27	45°	120.00 x 5.00 4.724 x 0.197

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HARDY SPICER SPL170



SPL170

SHORT COUPLED ASSEMBLY

MINIMUM TUBE LENGTH=

SLIP ASSEMBLY PART No. NO U/Js	UNIVERSAL JOINT PART No.	SPLINE DIAMETER & No.	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L UJ's A	MAX ANGLE OF ASSY.	COMMENTS
170SA131X	SPL170X	88.00 - 34 3.464	150.00 5.906	442.80 17.433	45°	NO U/JOINTS
170SA132X	SPL170X	88.00 - 34 3.464	150.00 5.906	482.80 19.000	45°	NO U/JOINTS



FIG 1.



FIG 2.

SPL170

STRAP KITS AND FITTINGS

KIT PART No.	FIG	THREAD SIZE	C - C OF BOLTS	BOLT LENGTH	STRAP / PLATE PART No.	COMMENTS
170-70-18X	2	M12 x 1.25	82.00 3.229	25.00 0.984	170-70-19	2 STRAPS, 4 BOLTS
211941X	1	M8 x 1	-	14.00 0.551	232584 (SPL)	2 TABS, 4 BOLTS

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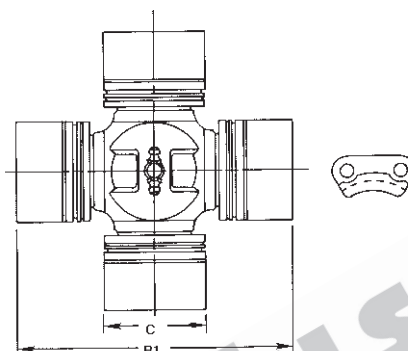


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HARDY SPICER SPL250

C = 60.00
2.362
B1 = 164.00
6.457

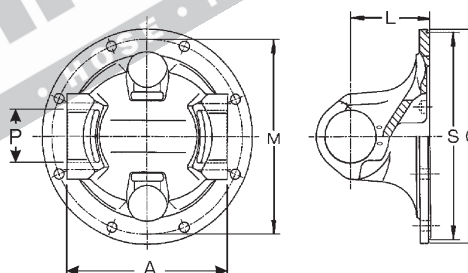


SPL250

UNIVERSAL JOINT KIT

PART No.	LUBE	DESCRIPTION
SPL250X	CENTRE	STANDARD FOR QUICK DISCONNECT END YOKES (STRAP KIT PART # 250-70-18X)

A - 164.00
6.457
P - 60.00
2.362

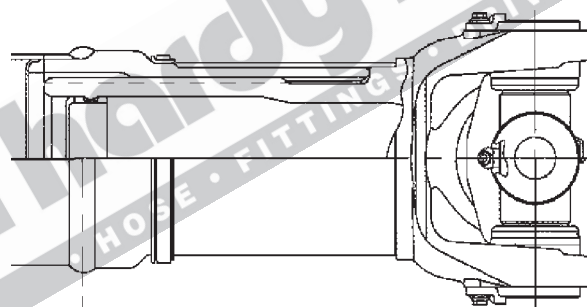


SPL250

FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
250-2-19	203.20 8.000	81.50 3.208	M-196.85 M-7.750	30	184.15 7.250	4 x GROUPS OF THREE	12	11.13 0.438	1810 FACE

SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



SPL250

SLIP ASSEMBLY

PART No.	SPLINE DIA. & No.	U/JOINT PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS	TOTAL SLIP	MAX ANGLE	COMMENTS
250SA004X	98.00-38 3.858	SPL250X	278.00 10.945	132.00 x 6.00 5.200 x 0.236	110.00 4.331	25	COMPLETE WITH SPL250X U/JOINT

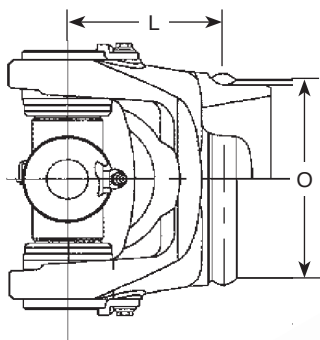
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SPL250 HARDY SPICER

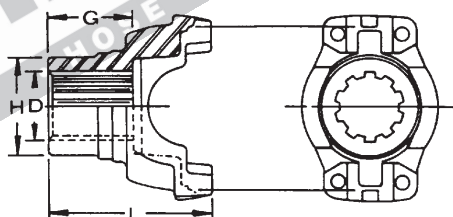
BUTT TYPE:
H=HOLLOW
S=SOLID

ASSEMBLY INCLUDES
UNIVERSAL JOINT
SPL250X



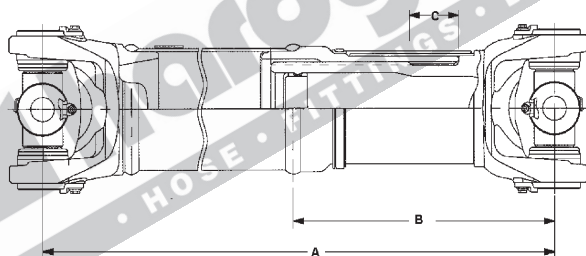
SPL250 WELD YOKE

PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
250TJ05001	104.00 4.094	132.00 x 6.00 5.206 x .236	132X6MM	H	25	CAN ALSO USE 130 x 5mm & 128.5 x 4.25mm TUBE



SPL250 END YOKE

PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	COMMENTS
250-4-291-1X	60.30-46 2.374	82.55 3.250	73.03 2.875	149.00 5.870	25	STRAP KIT TO SUIT 250-70-18X
250-4-871-1	60.70-46 2.390	84.94 3.344	69.85 2.750	146.05 5.750	25	STRAP KIT TO SUIT 250-70-18X SUIT MIDSHIP STUB 250-53-11



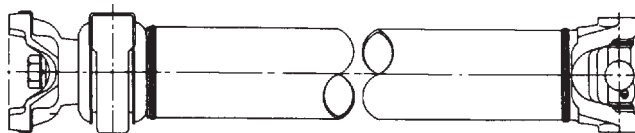
SPL250 TUBULAR TYPE ASSEMBLY CHART

MINIMUM TUBE LENGTH=							
SLIP ASSEMBLY PART No.	UNIVERSAL JOINT PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L UJ's A	WELD YOKE ASSY	MAX ANGLE OF ASSY.	TUBE PART No. & SIZE
250SA004X	SPL250X	278.00 10.945	110.00 4.330	450.00 17.72	250TJ05001	25°	132X6MM 5.200 x .236

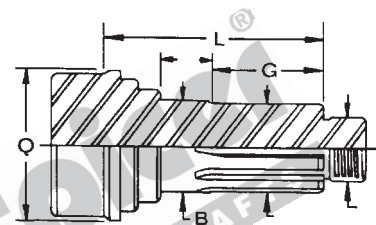
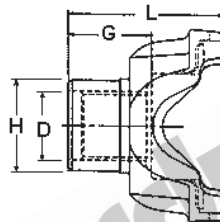
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HARDY SPICER SPL250



Shaft Assembly End Yoke Style



Style 1

SPL250

CENTRE BEARING ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
250-53-11	1	59.69-46 2.350	66.50 2.618	134.40 5.291	132X6MM 5.200 x 0.236	60.00 2.362	210661-1X see Note	250-4-871-1 END YOKE	& NUT 250-74-11, WASHER 510-27

Note - 210875-1X can be used for Heavy-Duty applications



FIG 1.



FIG 2.

SPL250

STRAP KITS AND FITTINGS

KIT PART No.	FIG	THREAD SIZE	C - C OF BOLTS	BOLT LENGTH	STRAP / PLATE PART No.	COMMENTS
250-70-18X	2	M12 x 1.25	87.50 3.445	25.00 0.984	250-70-19	2 STRAPS, 4 BOLTS
211941X	1	M8 x 1	-	14.00 0.551	232584 (SPL)	2 TABS, 4 BOLTS

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