

DRIVESHAFT B2 CATALOGUE 2024

Spicer Series Driveshafts
and Components

WHO WE ARE.

Motion delivers a world-class customer-first approach to everything we do. This has firmly established our business as the leader in the market, providing excellence and expertise in industrial products, solutions, and services.

For more than 100 years we have been a feature in the Australian industrial landscape giving customers unmatched products and service through an integrated network of branches, workshops, and service centres.

We have an ongoing commitment to invest in our people, facilities, IT, and systems to ensure we can continue to offer a broad ranging and premium level of engineering design, servicing, and turnkey projects to our customers across Australia.

We are committed and proud to keep our customers in motion, every day of the year.

“**WE KEEP
THE WORLD
MOVING**”

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UNIVERSAL JOINT TORQUE RANGE						
SERIES	FIG	C	B1	T _{CS}	T _{DW}	T _{DSCH}
500	1	19.05	52.00	515		
1000	2	23.80	38.10*	569		
1140	1	23.80	61.30	1207	300	420
1300	1	26.99	74.61	1630	990	1390
1310	1	26.99	81.76	2169	1064	1490
1350	1	30.16	92.08	3064	1500	2100
1410	1	30.16	106.35	3660	1500	2100
1480	1	34.93	106.38	4515	1714	2400
1510	1	39.70	115.90	5020	1945	2720
1550	1	34.93	126.20	5965	2214	3100
1610	7/9	47.69	134.94	8813	3336	4670
1710	7/9	49.21	154.78	10846	4429	6200
1760	7/9	49.21	177.80	13830	4429	6200
1800	7	58.74	167.49	15860		
1810	7/9	49.21	191.69	16270	5643	7900
1880	7	55.56	205.58	21692	10036	14050
SPL170	1	55.00	164.00	17000	8836	12370
SPL250	1	60.00	164.00	25000	10460	14650

* B2 dimension

*This is a comparison guide only, the figures should **NOT** be used for selecting driveshaft series.
A full selection should be done by Hardy Spicer to take into account all contributing factors.*

T_{CS} (Functional Limit Torque)

Max. torque that can be applied with a limited frequency without deformation of any shaft component, e.g., shock loads, start-up torque, low gear torque etc.

T_{DW} (Reversing Fatigue Torque)

Max. torque when the load or rotation direction changes under load.

T_{DSCH} (Pulsating Fatigue Torque)

Max. torque for a changing load in a single load or rotation direction.

Note: Not all flange sizes in each series can transmit the max capacities of the driveshaft.

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HARDY SPICER 500

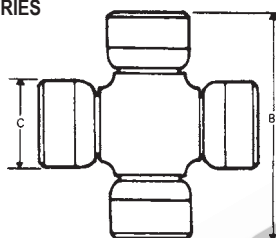
THIS SERIES TO BE DISCONTINUED, ALT = 1000 SERIES
COMPONENTS AVAILABLE WHILE STOCK LASTS

C = 19.05

0.75

B = 52.00

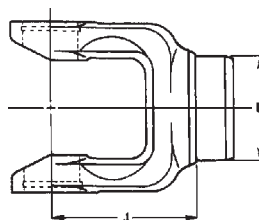
2.04



500

UNIVERSAL JOINT KIT

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



500

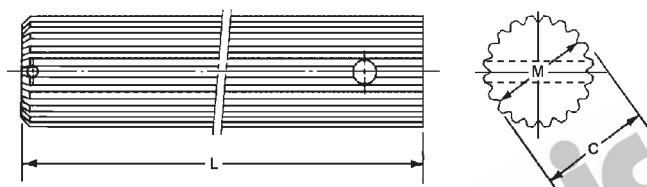
END YOKE

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-A0000 SOLID HUB	-	40.00 1.575		70.00 2.756	70				CAN ALSO USE AS A WELD YOKE

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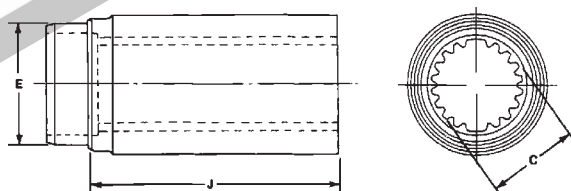
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500 HARDY SPICER



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 no longer available.



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 Reference only no longer available.

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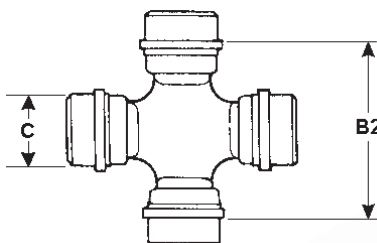
HARDY SPICER 1000

C = 23.80

0.93

B2 = 38.10

1.50



1000

UNIVERSAL JOINT KIT

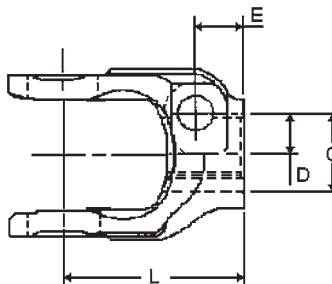
PART No.	LUBE	DESCRIPTION
5-170X	CENTRE	STANDARD
5-170-1X	CAP	STANDARD
212213X	CENTRE	PLASTIC BUSH

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

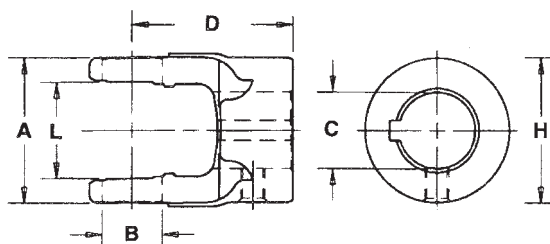
END YOKE

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	16.00 0.630	9.50 0.374	11.13 0.438	59.40 2.339	60	EURO STYLE ZF 1" x 79 SPL 211271X BOLT & LOCK NUT SET
10-4-1131	25.40-79 1.000	16.26 0.640	9.50 0.374	10.04 0.406	59.40 2.339	60	EURO STYLE ZF 1" x 79 SPL 2211269X BOLT & LOCK NUT SET

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1000 HARDY SPICER

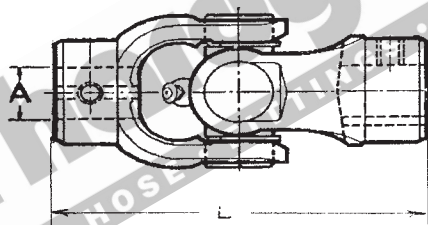


1000 END YOKE - ROUND HOLE

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	
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	41.28 1.625	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	
10-4-250X8X7	25.00 0.984	8.00 0.250	41.28 1.625	63.50 2.500	27.00 1.063	60	AVAIL WHILE STOCKS LAST
10-4-250M	25.00 0.984	8.00 0.250	41.28 1.625	63.50 2.500	27.00 1.063	60	CAN USE 10-4-250X8X7
10-4-280X8X7	28.00 1.102	8.00 0.315	41.28 1.625	63.50 2.500	27.00 1.063	60	AVAIL WHILE STOCKS LAST

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



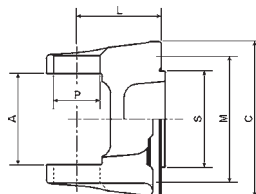
1000 SINGLE JOINT ASSEMBLY

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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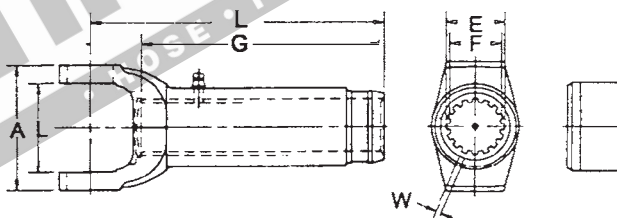
HARDY SPICER 1000



1000

FLANGE YOKE

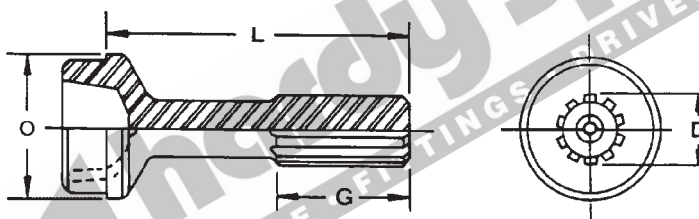
PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S	M				
10-2-29	85.73 3.375	39.67 1.562	M-57.15 2.250	69.88 2.751	44.91 x 53.50 1.768 x 2.106	4	8.50 0.335	1140 SERIES FACE



1000

SLIP YOKE

PART No.	SPLINE O.D. & No.	C/LINE TO END OF SPLINE	LENGTH OF SPLINE	JOINT ANGLE	DUST CAP KIT	COMMENTS
	D	L	G			
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

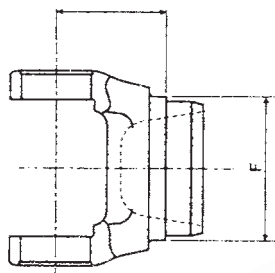
STUB

SPLINE TYPE:					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		
2-40-1741	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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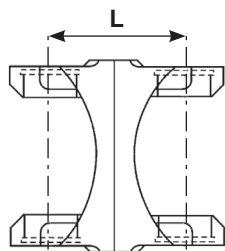
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1000 HARDY SPICER



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	-	



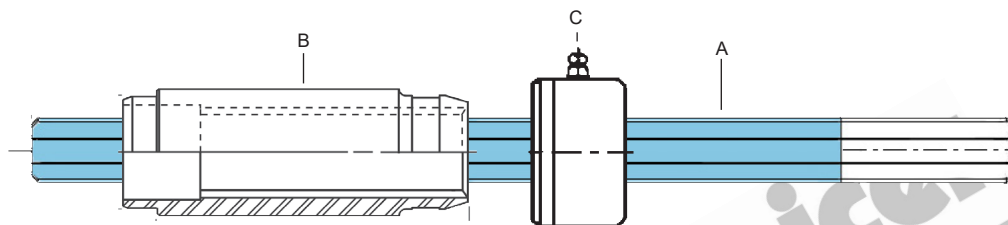
1000 CENTRE COUPLING YOKE

PART No.	LENGTH C-C L	OPERATING ANGLE	COMMENTS
10-29-5303	42.86 1.687	5	
10-29-5361	63.50 2.500	18	

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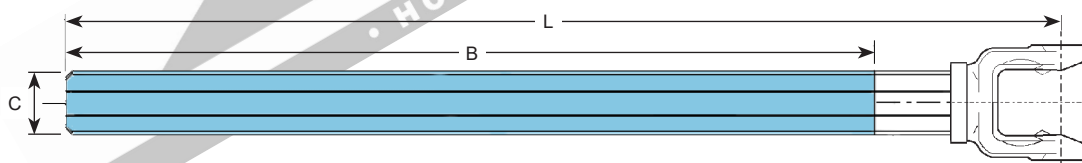
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HARDY SPICER 1000



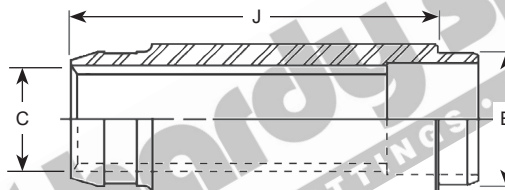
1000 DRIVE BAR/NIB ASSEMBLY

ASSEMBLY PART No.	BAR A	NIB B	DUST COVER C	COMMENTS
10-84-A7350-305	94-A7347-0305 NSS	232025	10-86-28X	SUPPLIED AS AN ASSEMBLY ONLY NIB & DUST COVER AVAILABLE SEPARATELY



1000 YOKE SHAFT

PART No.	SPLINE O.D. & No. C	OVERALL LENGTH C-E L	SPLINE LENGTH B	COMMENTS
10-82-121-33X	33.40 x 4 1.315	458.00 18.031	387.00 15.236	WELDED BAR AND YOKE ASSEMBLY



1000 DRIVE NIB

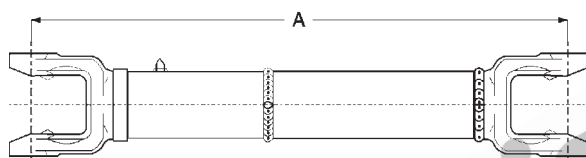
PART No.	POINT OF WELD TO END J	SPLINE SIZE & No. C	BUTT DIA. E	COMMENTS
232025	138.00 5.433	33.40 x 4 1.315	44.45 x 1.65 1.750 x 0.065	USE DUST SEAL PART No. 10-86-28X SUITS 10-82-121-33X ASSEMBLY

Note: Splined nib 94-A7348 has been superseded to 232025
Dust cap DCK10-A7348 has been superseded to 10-86-28X

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1000 HARDY SPICER



1000 TUBULAR TYPE SHAFT ASSEMBLY

YOKE SHAFT ASSEMBLY PART No.	DRIVE NIB, DUST CAP & BAR ASSEMBLY PART No.	DRIVE NIB PART No.	BAR YOKE PART No.	WELD YOKE PART No.	DUST CAP PART No.	TOTAL SLIP	MINIMUM CLOSED LENGTH A	MAX. ANGLE
N/A	10-84-A7350-305	N/A	10-4-A7346	10-28-97	N/A	150.00 5.905	385.00 15.157	60
10-82-121-33X	N/A	232025	N/A	10-28-97	10-86-28X	250.00 9.843	500.00 19.685	60

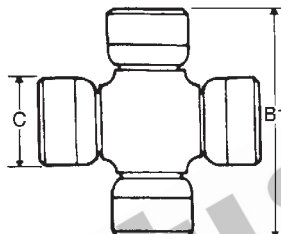
HARDY SPICER 1140

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

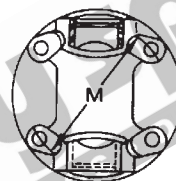
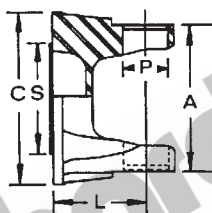
PART No.	LUBE	DESCRIPTION
RUJ-1766		CONVERSION 1140 - 17R SERIES
RUJ-1801		CONVERSION 1140 SERIES - SUZUKI

A - 67.46

2.65

P - 23.80

0.93



1140

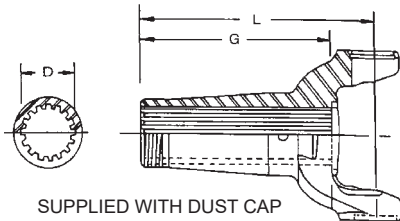
FLANGE YOKE

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	39.00 1.535	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

Fig-1

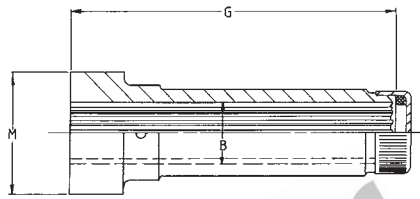
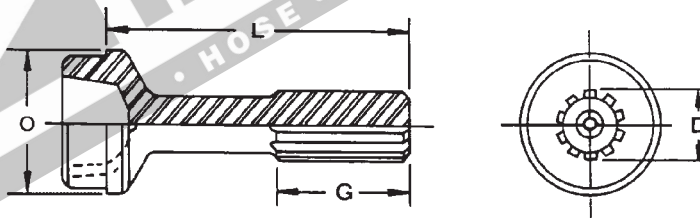


Fig-2

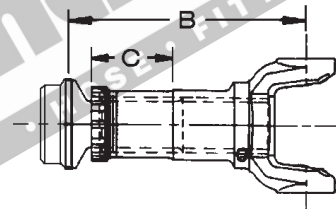
1140 SLIP YOKE

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
K1-3-A360	1	26.97-16 1.062	110.00 4.330	83.00 3.268	15	DCK14A	STANDARD
K1-55-GB135	2	26.97-16 1.062	N/A	135.00 5.315	N/A	DCK14A	SEMI FINISHED SPLINED SLEEVE



1140 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
K1-42-GB1901	26.97-16 1.062	HC	44.45 1.750	103.96 4.093	S	50.80 x 1.65 2.000 x 0.065	1616-0000	STANDARD
1-42-300	26.97-16 1.062	ST	300.00 11.811					SPLINED BAR



1140 SLIP / STUB ASSEMBLY

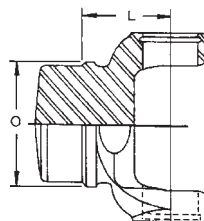
ASSEMBLY PART No.	C/LINE TO POINT OF WELD CLOSED B	SPLINE O.D. & No. OF SPLINE	TUBE O.D. & WALL THICKNESS	TOTAL SLIP C	DUST CAP	COMMENTS
1-84-2065	130.00 5.110	26.97 -16 1.062	50.80 x 1.65 2.000 x 0.065	42.90 1.690	DCK14A	K1-3-A360 & RILSAN COATED K1-42-GB1901

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HARDY SPICER 1140

BUTT TYPE:
H=HOLLOW
S=SOLID

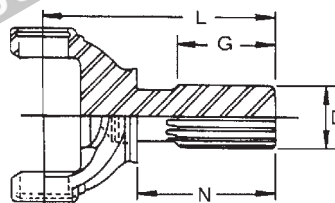


1140

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
K1-26-GB17	34.93 1.375	50.80 x 1.65 2.000 x 0.065	1616-0000	S	15	STANDARD

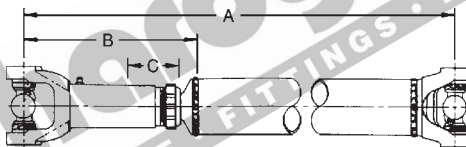
SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1140

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
1-82-21	26.99-16 1.063	38.10 1.500	92.86 3.656	58.11 2.288	HC	15	



1140

TUBULAR TYPE ASSEMBLY CHART

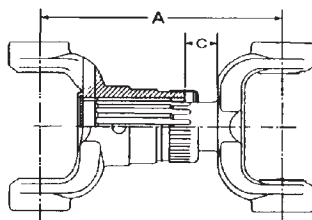
MINIMUM TUBE LENGTH = 39.8mm (1.56")

SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED 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
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

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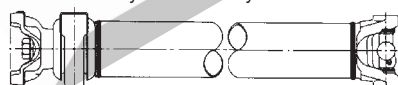
1140 HARDY SPICER



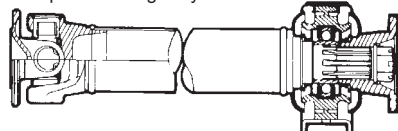
1140 SHORT COUPLED ASSEMBLY CHART

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. 15	COMMENTS
K1-3-A360	1-82-21	17.0 0.670	157.0 6.181		

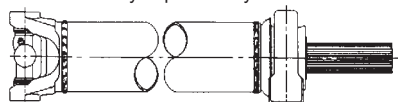
Shaft Assembly End Yoke Style



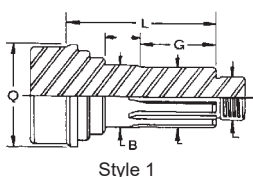
Companion Flange Style



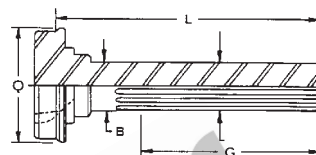
Shaft Assembly Slip Yoke Style



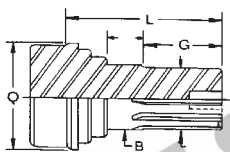
Midship Stubs



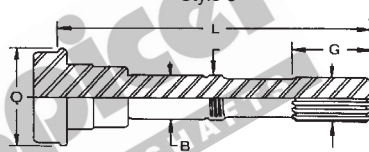
Style 1



Style 3



Style 2



Style 4

1140 MIDSHIP ASSEMBLY

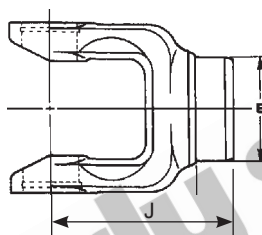
MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
1-57-0302	2	29.10-26 1.146		108.00 4.252	2016-0000 2.500 x 0.065	30.00 1.181		1-4-0202 END YOKE	INCLUDES BOLT, WASHER & LOCK TAB

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HARDY SPICER 1140

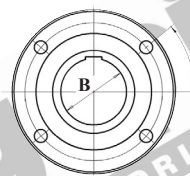
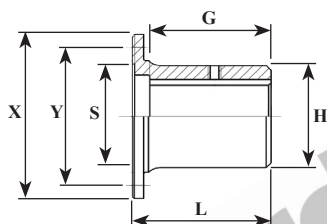
BUTT TYPE:
S=SOLID



1140

SOLID END YOKE

PART No.	C/LINE TO END 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	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	
K1-1-A0433	8.10 0.312	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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1140 HARDY SPICER

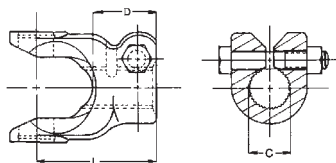


FIG. 1

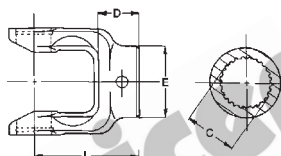


FIG. 2

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

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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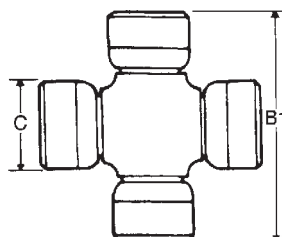
HARDY SPICER 1210

C = 26.99

1.06

B1 = 61.93

2.44

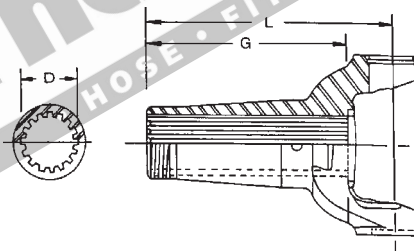


1210

UNIVERSAL JOINT KIT

PART No.	LUBE	DESCRIPTION
5-443X	CAP	STANDARD
K5-A843	NIL	SUIT GREAT WALL SHAFTS

1210 Series parts can be used as replacements on some Great Wall shafts.

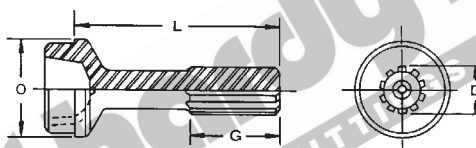


SUPPLIED WITH DUST CAP

1210

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			
2-3-8861KX	31.75-16 1.250	161.93 6.375	130.18 5.125			STANDARD



1210

STUB

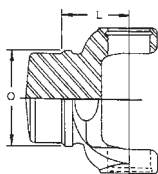
SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
2-40-1741	31.75-16 1.250		50.80 2.000	152.40 6.000	H	50.80 x 2.11 2.00 x 0.083	1614-0000	

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1210 HARDY SPICER

BUTT TYPE:
H=HOLLOW
S=SOLID



1210 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
2-28-2417	38.10 1.500	50.80 x 2.11 2.000 x 0.080	1614-0000	H		

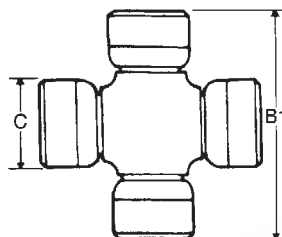
HARDY SPICER 1300

C = 26.99

1.06

B1 = 74.61

2.93



1300

UNIVERSAL JOINT KIT

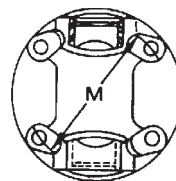
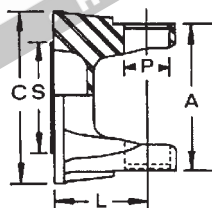
PART No.	LUBE	DESCRIPTION
K5-L4R	SIDE	STANDARD
K5-GB35	NIL	AXLE JOINTS - NO SEALS
K5-LGB36R	CROSS	LUBE IN CENTRE OF CROSS
K5-A757	SIDE	HEAVY-DUTY

A - 81.00

3.19

P - 26.99

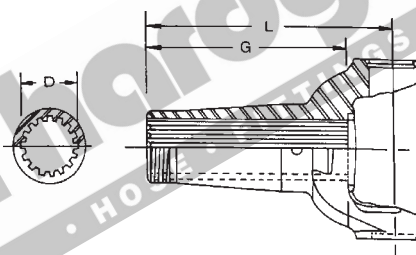
1.06



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			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

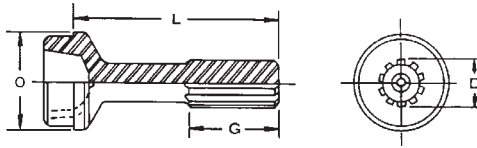
SLIP YOKE

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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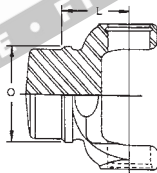
1300 HARDY SPICER



1300 STUB

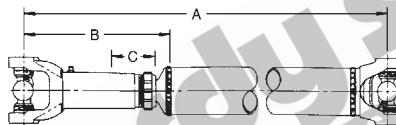
SPLINE TYPE: HC = HARDY COATED ST = STEEL					BUTT TYPE: H = HOLLOW S = SOLID			COMMENTS
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	
	D		G	L		O		
K2-42-GB2701	34.93-16 1.375	HC	58.00 2.280	129.00 5.079	S	50.80 x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



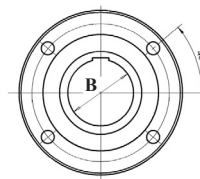
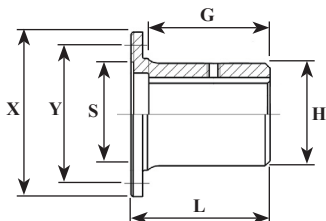
1300 TUBULAR TYPE ASSEMBLY CHART

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

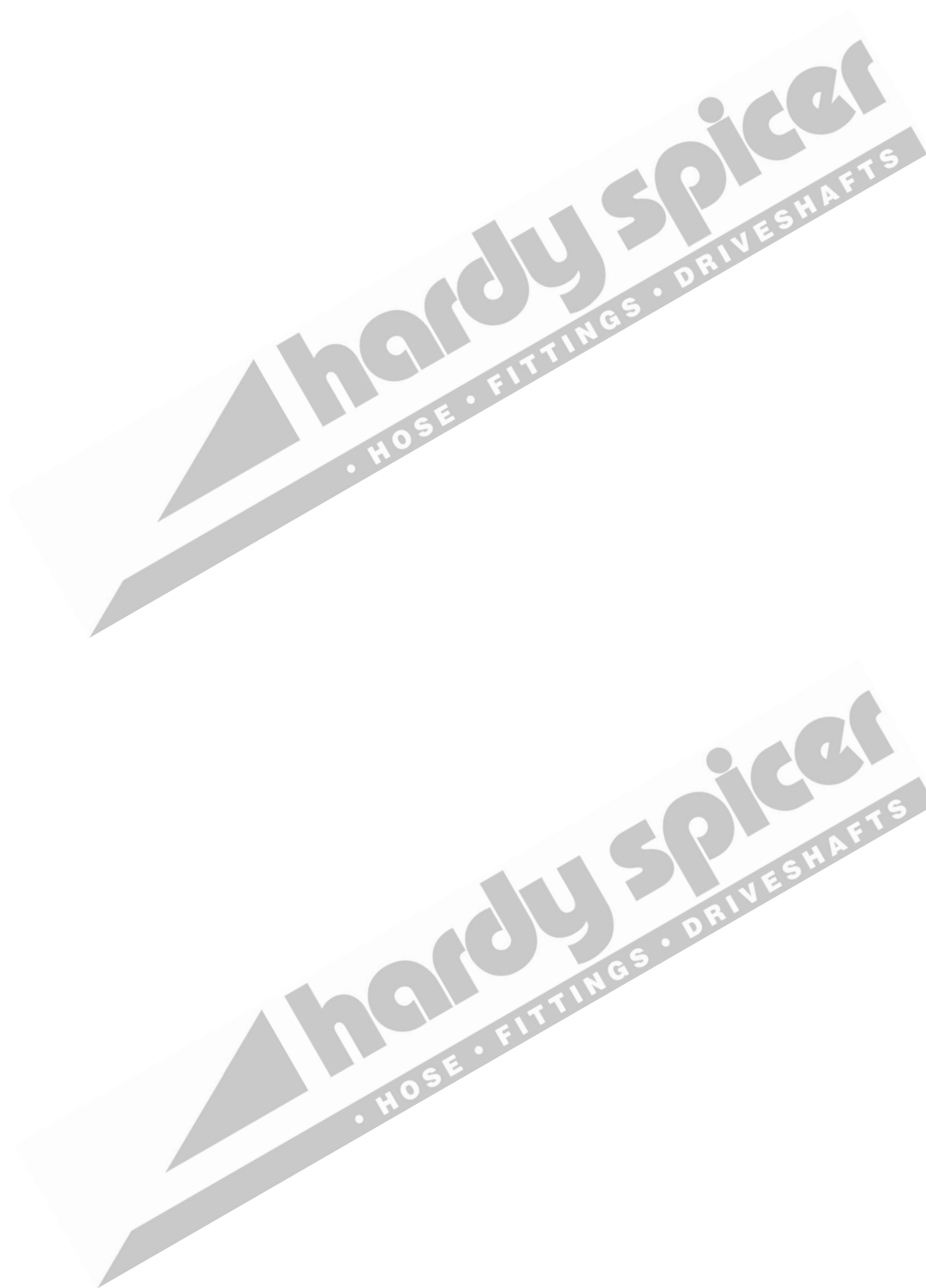
COMPANION FLANGE

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

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HARDY SPICER 1310

C = 26.99

1.06

B1 = 81.76

3.22

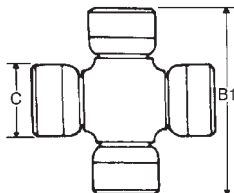


FIG. 1

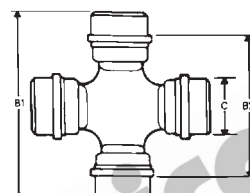


FIG. 2

1310

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
K5-13XR	SIDE	1	STANDARD
K5-A644	SIDE	1	HIGH ANGLE HEAVY DUTY
K5-13XRHDPL	NIL	1	NON-LUBRICATED SOLID CROSS
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

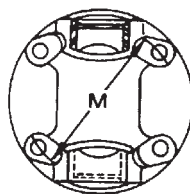
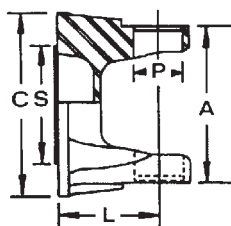
PART No.	LUBE	DESCRIPTION
RUJ-2039		FORD DIFF APPLICATIONS
RUJ-2032	SIDE	CONVERSION 1310 - 2R SERIES
5-134X	SIDE	CONVERSION 1310 - 1330 SERIES
5-150X		CONVERSION 1310 - 1330 SERIES 9"
114-550		CONVERSION 1310 - 3R SERIES
K5-A530	SIDE	CONVERSION 1310 - 21R SERIES
5-632XD	NIL	CONVERSION 1310 - 9" DIFF 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
2-2-2063			F-16.00 F-0.630		100.00 3.938	70.70 x 70.70 2.783 x 2.783	4	12.20 0.480	JEEP COMMANDER TRANS END
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-A2309	91.00 3.543	53.00 2.087	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
2-2-2173		42.80 1.685	M-45.00 F-1.772		86.36 3.400	61.0 x 61.0 2.401 x 2.401	4	8.20 0.320	MITSUBISHI
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	8.20 0.320	METRIC DIN 90 x 4M8
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 XTRAIL 07-REAR
2-2-2029	124.61 4.906	44.45 1.750	M-50.00 F-1.969		95.25 3.750	67.30 x 67.30 2.650 x 2.650	4	12.10 0.475	NISSAN
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-AU FALCON FLANGE
2-2-1989	124.61 4.906	49.00 1.930	F-54.91 F-2.162		100.00 2.937	EQUALLY SPACED	4	12.20 0.480	JEEP / DODGE
2-2-2216	135.00 5.315	50.80 2.000	F-55.00 F-2.165		115.00 4.527	81.20 x 81.20 3.197 x 3.197	4	12.20 0.480	JEEP COMMANDER DIFF END
2-2-1409	109.00 4.291	43.00 1.693	M-56.00 M-2.205	20		67.00 x 60.00 2.638 x 2.362	4	10.20 0.402	TRANSIT 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-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.
2-2-899-1	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
2-2-329	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
2-2-1169	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 XTRAIL FRONT 07-
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
2-2-352-75M	120.00 4.724	48.00 1.890	M-75.00 M-2.953	30	100.00 3.937	64.0 x 77.0	4	12.00 0.472	JAP PTO
2-2-120810	120.00 4.724	52.00 2.047	F-75.00 F-2.953	30	101.50 3.996	EQUALLY SPACED	8	10.20 0.402	METRIC DIN 120 x 8 x M10
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.
2-2-349	92.07 3.625	34.93 1.375	M-92.07 M-3.625	20	73.02 2.875	56.5 x 47.5 2.224 x 1.870	4	9.78 0.385	67R VALIANT CONVERSION
2-2-206	100.00 3.937	55.60 2.189	M-100.00 M-3.937	20	86.00 3.386	EQUALLY SPACED	6	8.20 0.323	100mm CV SPIGOT ON OD

* AVAILABLE WHILE STOCKS LAST

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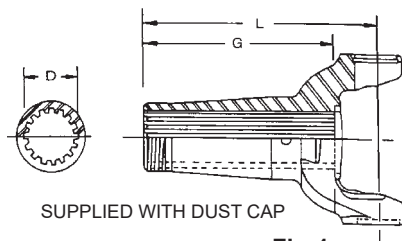


Fig-1

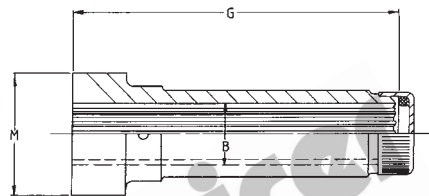


Fig-2

1310

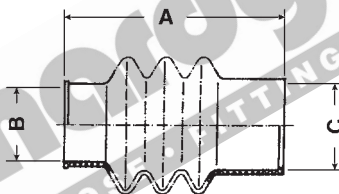
SLIP YOKE

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
2-3-A6403	1	34.93-16 1.375	162.00 6.403		30	DCK30A	SPECIAL
2-55-23008	-	34.93-16 1.375	N/A	145.00 5.709	N/A	-	MIDSHIP SLEEVE (45mm BRG) TO SUIT 2.000"x0.095" TUBE
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**

211121X - Push on dust cap

28.0195 # - Splined push on dust cap



1310

SLIP YOKE BOOT

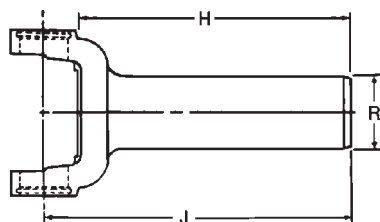
PART No.	LENGTH A	MAJOR I.D. B	MINOR I.D. C	COMMENTS
94-GB3872	130.00 5.118	50.80 2.000	41.30 1.625	

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INDENT ITEM

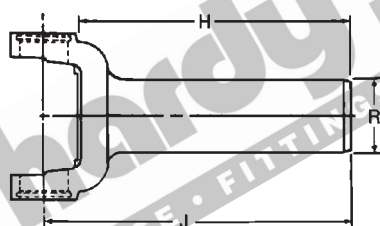
1310 HARDY SPICER



1310 REVERSE SLIP

PART No.	SPLINE O.D. & No.	GROUND SLEEVE	LENGTH OF HOLE	C/L TO END OF SPLINE	COMMENTS
		R	H	J	
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
2-3-9701X	27.96-21 1.101	37.97 1.497		152.40 6.000	TOYOTA 5 SPEED
2-3-0243	27.48-24 1.082	42.62 1.678		152.40 6.000	MAZDA
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
2-3-0328	30.98-28 1.220	38.10 1.500		196.85 7.750	DEEP COUNTERBORE EARLY FORDS
2-3-A3678	33.68-30 1.326	42.65 1.680	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	35.33-31 1.391	42.80 1.685		177.80 7.000	FORD FMX, C6, TOPLOADER
2-3-10431X	35.50-32 1.397	47.83 1.883		139.70 5.500	GM32SP TURBO 400 SHORT VERSION ONLY

OTHER REVERSE SLIP YOKES ALSO AVAILABLE ON REQUEST



1310 PERFORMANCE SLIP YOKES

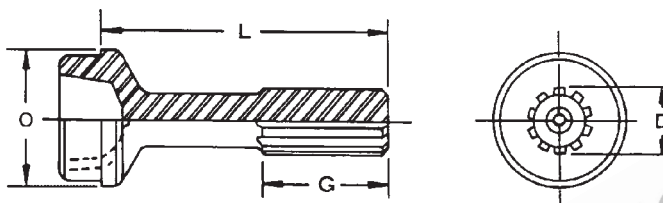
PART No.	SPLINE O.D. & No.	GROUND SLEEVE	LENGTH OF HOLE	C/L TO END OF SPLINE	COMMENTS
		R	H	J	
2-3-6081HP8XL	30.22-27 1.190	38.10 1.500		203.00 8.000	GM27SP POWERGLIDE, TURBO 350, 4L60E, MUNCIE SONNAX CHROME MOLY
2-3-8251HP	30.98-28 1.220	38.10 1.500		165.10 6.500	FORD 28SPL C4, T5, B/W S/RAIL, TREMEC 3550, C10 SONNAX STEEL

OTHER REVERSE SLIP YOKES ALSO AVAILABLE ON REQUEST

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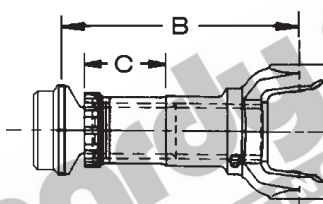


1310

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	H	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	
2-40-1701-2	34.93-16 1.375	HC	158.75 6.250	184.15 7.250	H	50.80 x 3.05 2.000 x 0.120	1611-0000	FULL SPLINE SEE NOTE ^
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

^ Stub includes splined push-on dust cap - 28.0195



1310

SLIP / STUB ASSEMBLY

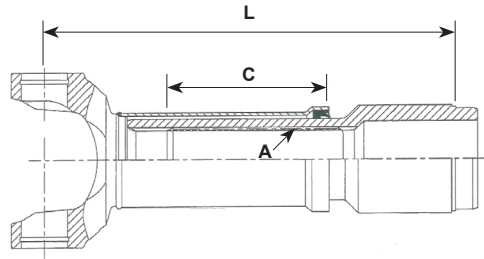
ASSEMBLY PART No.	C/LINE TO POINT OF WELD CLOSED B	SPLINE O.D. & No. OF SPLINE	TUBE O.D. & WALL THICKNESS	TOTAL SLIP C	DUST CAP	COMMENTS
2-84-1310-2095	156.00 6.142	34.93 -16 1.375	2.000" x 0.095" 50.80 x 2.41	51.00 2.008		

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INDENT ITEM

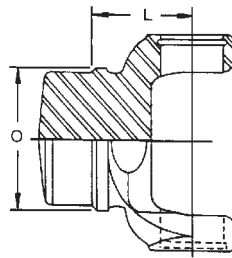
1310 HARDY SPICER



1310 SLIP ASSEMBLY

SLIP ASSEMBLY PART No.	INVOLUTE SPLINE O.D. & No. A	C/L OF UJ TO WELD POINT L	TOTAL SLIP C	TUBE SIZE & PART No.	COMMENTS
2-83-222/90	38x2-18T 1.496	222.00 8.770	90.00 3.543	2013-0000	
2-83-230/110	40x1.5-22T 1.575	230.00 9.055	110.00 4.331	2013-0000 2.500 x 0.095	35°

BUTT TYPE:
H=HOLLOW
S=SOLID



1310 WELD YOKE

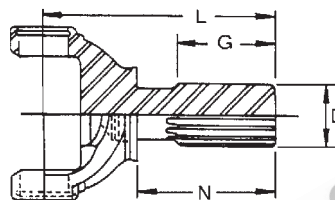
PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
2-26-GB1417	42.00 1.653	50.80 x 2.41 2.000 x 0.095	1613-0000	H	20	
2-28-357	42.00 1.653	50.80 x 2.11 2.000 x 0.083		H	20	
2-26-2604#	42.00 1.653	50.00 x 3.00 1.968 x 0.118	50X3MM	H	20	
2-26-A1727	47.00	63.50 x 2.41 2.500 x 0.095	2013-0000	H	30	
2-28-367	46.83 1.844	63.50 x 2.11 2.500 x 0.083	2014-0000	H	30	
2-26-GB2917	45.00 1.772	69.85 x 1.65 2.750 x 0.065	2216-0000	H	30	
2-28-307	42.85 1.687	69.85 x 1.65 2.750 x 0.065	2216-0000	S	20	
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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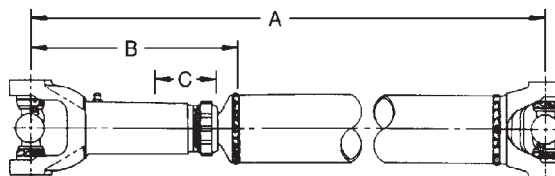
SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1310

STUB YOKE

PART No.	SPLINE DIA. & No.	LENGTH OF SPLINE	C/LINE TO END OF SPLINE L	SHOULDER TO END OF SPLINE N	SPLINE TYPE	MAX. ANGLE	COMMENTS
	D	G					
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	121.00 4.764	HC	20	
2-82-001	34.93-16 1.375		185.00 7.283				La=51mm



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TUBULAR TYPE ASSEMBLY CHART

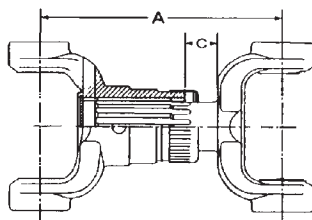
MINIMUM TUBE LENGTH = 41.1mm (1.62")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
2-3-A670	K2-42-GB2701	156.00 6.142	51.00 2.008	246.10 9.690	2-26-GB1417	20	1613-0000 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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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.	COMMENTS
2-3-A670 *	2-82-21	28.00 1.102	190.00 7.480	20	* Can shorten Slip Yoke to 119.5mm (4.70") to give 170mm C-C Compressed
2-3-A670	2-82-A111	60.00 2.362	200.00 7.874	20	
2-3-5221KX	2-82-A111	60.00 2.362	228.00 8.976	20	

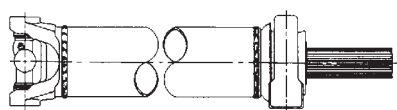
Shaft Assembly End Yoke Style



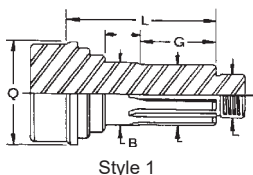
Companion Flange Style



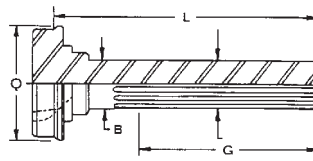
Shaft Assembly Slip Yoke Style



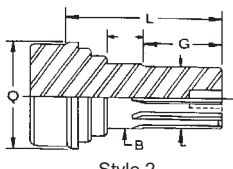
Midship Stubs



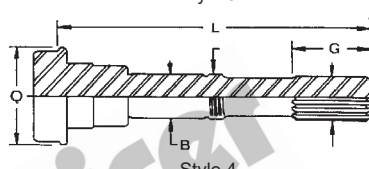
Style 1



Style 3



Style 2



Style 4

1310 MIDSHIP ASSEMBLY

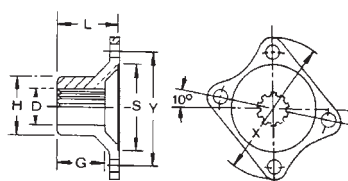
MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
3-53-1351	3	34.93-16 1.375	126.24 4.970	205.50 8.690	2014-0000 2.500 x 0.083	35.00 1.378	210088-1X or 211187X	2-3-A670 SLIP YOKE	HARDY COATED USES DUST CAP DCK31B
2-53-1351L	1	29.10-26 1.146	35.00	89.00 3.504	2014-0000 2.500 x 0.083	30.00 1.181	FD-30-5830 or FD-30-5850	2-4-8681 END YOKE	MS NUT 509-88 BA-FG FALCON
2-53-1351L	1	29.10-26 1.146	35.00	89.00 3.504	2014-0000 2.500 x 0.083	30.00 1.181	VARIOUS OPTIONS	2-1-3026 C/FLANGE	MS NUT 509-88 BLANK C/FLANGE
2-57-GB1441	1	34.93-10 1.375	36.00 1.417	91.50 3.602	2016-0000 2.500 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	2016-0000 2.500 x 0.065	35.00 1.378	210088-1X	*2-4-2671 END YOKE	NUT 94-GB2201 † WASHER 510-2400
2-57-3026	2	29.10-26 1.146			1613-0000 2.000 x 0.095	30.00 1.181	FD-30-5210	2-4-0100	94-AMFK1 BOLT & NUT KIT INCL.
2-57-4326	2	29.10-26 1.146		111.30 4.382	2416-0000 3.000 x 0.065	30.00 1.181	FD-30-5210	2-4-0100	MS STUB SUPPLIED WITH BOLT & WASHER

*2-4-2671 END YOKE REQUIRES SHORTENING BY 8MM FOR CORRECT NUT FITMENT. †NUT 94-GB2201 IS .750"-20 UNF.

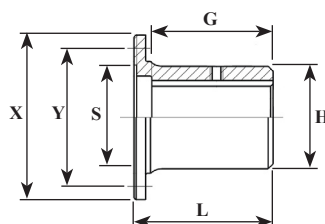
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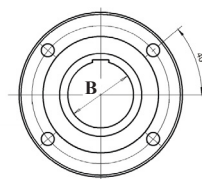
HARDY SPICER 1310



CIRCULAR TYPE - SPLINED HOLE



CIRCULAR TYPE - ROUND HOLE



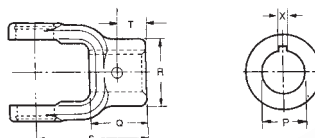
1310

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 See note *	12.70 0.500	63.50 2.500	68.00 2.677	65.00 2.559	9.78x4 0.385	79.37 3.125	F-60.32 F-2.375	96.80 3.811	60.80x51.02	ROUND HOLE TYPE
DIN-1-10068 See note ***	10.00 0.394	69.50 2.736	110.00 4.331	110.00 4.331	8.1x6 0.319	84.00 3.307	M-57.00 M-2.244	100.00 3.937	EQUALLY SPACED	ROUND HOLE TYPE
2-1-GB2831 See note ***	34.93-10 0.394	52.40 2.736	60.50 4.331	36.80 4.331	9.78x4 0.319	79.37 3.307	F-60.32 M-2.244	95.00 3.937	60.8x51.02	SPLINED TYPE FITS 2-57-GB1441
2-1-3026 SEMI-FINISHED	29.11-26 1.146	37.00 1.457	57.60 2.268	45.90 1.807	-	-	F-46.00 M-1.811	115.00 5.528	-	SUITS STUB 2-53-1351L

* = Hub machined only, maximum bore with standard key is 42.90mm (1.690")

***= Maximum bore with standard keyway is 45.00mm (1.772")



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	22.22 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-A9233	25.40 x 6.35 1.000 x 0.250	53.98 2.125					2 LOCK BOLTS HOLES .002" UNDERSIZE BORE
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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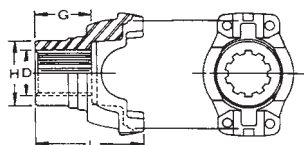


Fig 1

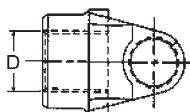


Fig 2

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	BEARING STRAP KIT TO SUIT 2-70-18X
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	2	HYDRAULIC PUMP APPLICATIONS
2-4-4921	25.40-15 1.000	50.80 2.000	32.16 1.266	58.72 2.312	17	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 NO LONGER AVAILABLE
2-4-8681	29.10-26 1.146	39.00 1.496	37.50 1.476	70.50 2.776		2	FALCON MIDSHIP MS NUT 509-88
2-4-0100	29.10-26 1.146	36.00 1.417	45.90 1.807	80.20 3.157	30	2	TRANSIT REPLACEMENT 94-AMFK1 BOLT/WASHER KIT
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	DANA 35. 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
2-4-5341	35.59-32 1.401	47.63 1.875	50.80 2.000	98.43 3.875		1	SUITS DOUBLE CARDAN

OTHER END YOKES ALSO AVAILABLE ON REQUEST

INDENT ITEM

B:2-30

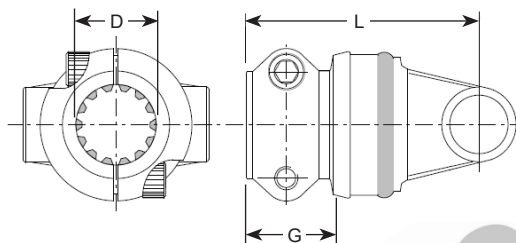
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HARDY SPICER 1310



BOLT TORQUE
70Nm Min
100Nm Max

1310

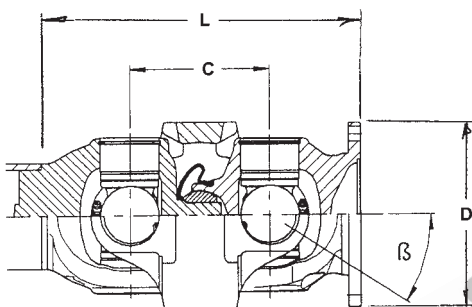
CLAMP LOCK END YOKES

SPLINED HOLE					
PART No.	SPLINE O.D. & No. D	SPLINE TYPE	LENGTH OF SPLINE G	C/L TO END L	COMMENTS
2-4-131115	36.00-8 1.417	DIN 5462 32MM ID	48.00 1.890	82.50 3.250	1 PIECE
2-4-13103	22.22-13 0.875	16/32 SAE B	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
84/02/13104	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
84/02/13132	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
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

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1310 HARDY SPICER

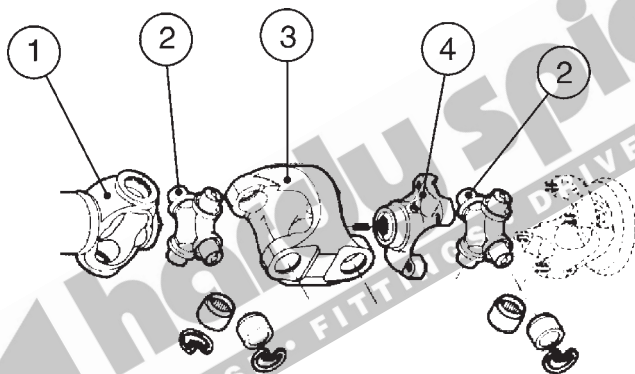


1310 DOUBLE CARDAN ASSEMBLY

DOUBLE CARDAN ASSEMBLY PART No.	FLANGE DIA. D	C/LINE TO C/LINE C	FLANGE FACE TO WELD L	BOLT HOLE PATTERN	SPIGOT DIA. 69.85 - M 2.750 - M	TUBE SIZE O	MAX ANGLE β	COMMENTS
9122116								IVECO DAILY 4WD 1410 FACE
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)
MB-920648 ^	115.00 4.528			67 x 67 2.638 x 2.638	69.85 - M 2.750 - M	2014-0000 2.500 x 0.083		ML MERCEDES

^ Used in MB-1634100301 shaft assembly (also available on request)

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 1	U/JOINT KIT 2	CENTRE YOKE 3	CENTERING YOKE <i>includes ball kit</i> 4	BALL REPAIR KIT	COMMENTS
912747	2-28-1747X	5-433-1X	2-26-427 2.690	211355X	SCV-82A	SUIT 2.500 x .083 TUBE
923289				211544X *	SCV-82A	NON LUBE CENTRE PLATE SUIT 2.000 x .120 TUBE

* Rubber Dust Seal to suit 211544X non lube centre plate is part number 2-86-418

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HARDY SPICER 1330

C = 26.99

1.06

B1 = 92.08

3.62

B2 = 70.00

2.75

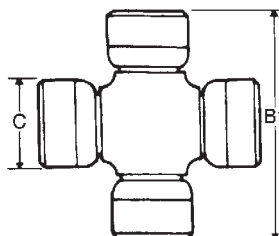


FIG. 1

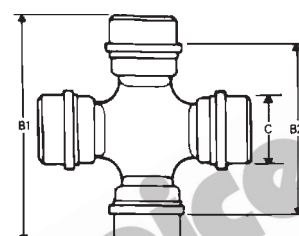


FIG. 2

1330

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
RUJ-3002	SIDE	1	STANDARD
5-618X	NIL	1	SOLID CROSS COLD FORGED
5-618-1X	CAP	1	COLD FORGED LUBE IN CAP

1330

CONVERSION UNIVERSAL JOINT KIT

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

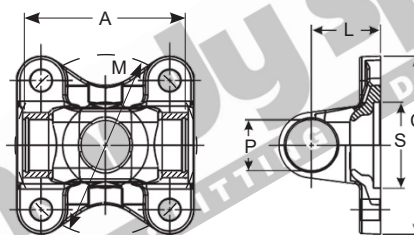
PART No.	LUBE	DESCRIPTION
5-212X		CONVERSION 1330 - 3R SERIES
5-150X		CONVERSION 1330 28.58MM CAPS - 1310 SERIES
RUJ-3000		CONVERSION 1330 - 1330F SERIES 28.58MM CAPS
5-633XD		CONVERSION 1330 - 1330F SERIES 28.58MM CAPS SOLID CROSS
5-134X		CONVERSION 1330 - 1310 SERIES
K5-A537		CONVERSION 1330 - 1350 SERIES
114-596		CONVERSION 1330 - 3R SERIES. S/S TO 5-212X WHEN STOCK NLA

A - 92.08

3.62

P - 26.99

1.06



1330

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
2-2-2313	136.14 5.360	41.00 1.614	F-65.02 F-2.560		107.95 4.250	76.20 x 76.20 3.000 x 3.000	4	12.70 0.500	FORD RANGER MAZDA BT50
2-2-949A		42.00 1.654	F-50.80 F-2.000		88.90 3.500	EQUALLY SPACED	4	12.70 0.500	1330 FORD EB-EF UPGRADE T6061
2-2-1879	126.00 4.960	41.27 1.625	F-54.91 F-2.162		100.00 3.937	EQUALLY SPACED	4	12.42 0.489	DODGE RAM P/UP

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1330 HARDY SPICER

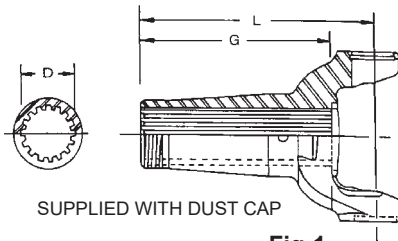


Fig-1

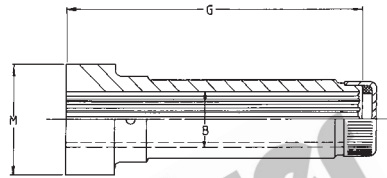


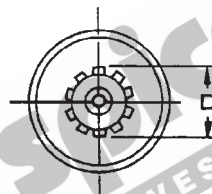
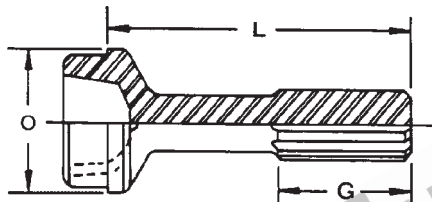
Fig-2

1330 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 KIT	COMMENTS
2-3-7481KX	1	34.93-16 1.375	190.50 7.500	166.00 6.535	19	211121X ^	PUSH ON DUST CAP
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

^ ALTERNATIVE PUSH-ON SPLINED DUST CAP KIT = 28.0195 #



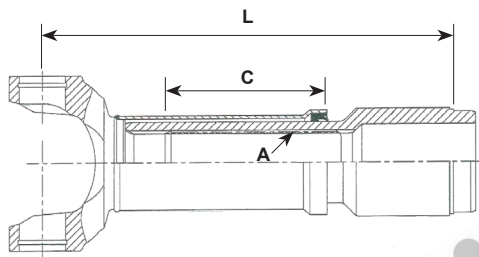
1330 STUB

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
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	STANDARD

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HARDY SPICER 1330

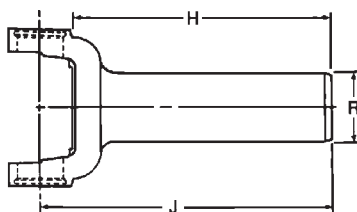


1330

SLIP ASSEMBLY

SLIP ASSEMBLY PART No.	INVOLUTE SPLINE O.D. & No. A	C/L OF UJ TO WELD POINT L	TOTAL SLIP C	TUBE SIZE & PART No.	COMMENTS
2-83-0242 ^	38.00-18T 1.496	242.00 9.528	60.00 2.362	2014-0000 2.500 x 0.083	FORD RANGER INVOLUTE SPLINE

^ ALTERNATIVE MIDSHIP AND SLIP ASSEMBLY IN 1350 SERIES CAN BE USED.
FD-SA-RANGER (SLIP ASSY) AND FD-MSA-RANGER35 (MIDSHIP ASSY)



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
2-3-14061X #	30.98-28 1.220	40.60 1.598	143.00 5.630	168.40 6.630	FORD 95 ON (US AUTO HAS LARGER GROUND HUB)
2-3-6041X	35.33-31 1.391	42.80 1.685	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)
2-3-02091X	35.00-32 1.378	44.00 1.732		215.00 8.465	NISSAN 30 BASED OIN 32 SPLINE
2-3-03207X	35.30-34 1.390	45.00 1.771		215.00 8.465	NISSAN NAVARA 32 BASED ON 34 SPLINE NICKEL PLATED

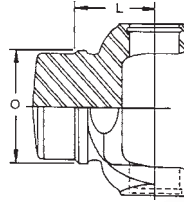
INDENT PART. OTHER REVERSE SLIP YOKES ALSO AVAILABLE ON REQUEST

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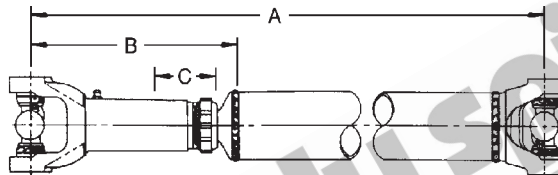
1330 HARDY SPICER

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	2014-0000	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

INDENT ITEM

B:2-36

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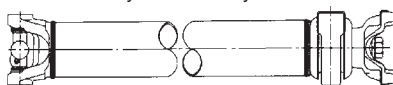
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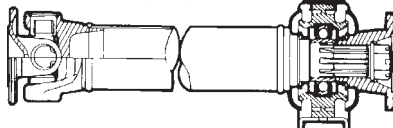
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HARDY SPICER 1330

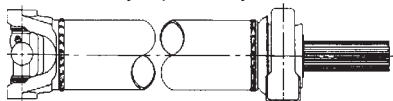
Shaft Assembly End Yoke Style



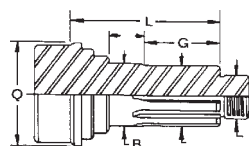
Companion Flange Style



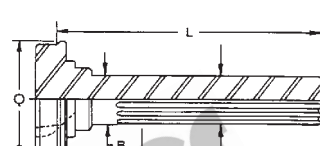
Shaft Assembly Slip Yoke Style



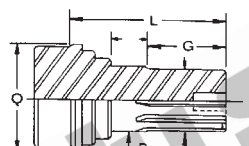
Midship Stubs



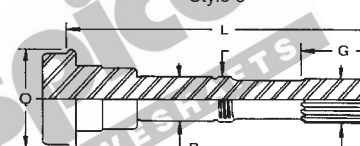
Style 1



Style 3



Style 2



Style 4

1330

MIDSHIP 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
2-57-3526 ^	2	29.10-26 1.146	47.20 1.858	117.70 4.634	2014-0000 2.500 x 0.083	35.00	FD-30-7040	2-4-3526 END YOKE	FORD RANGER BOLT, WASHER & TAB
3-53-0291	1	32.41-29 1.276	39.00 1.535	89.00 3.504	2414-0000 3.000 x 0.083	35.00	210088-1X	2-4-0291-1 END YOKE	

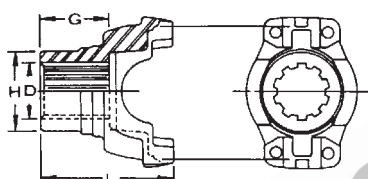


Fig 1

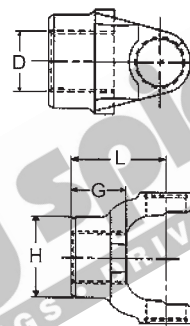


Fig 2

1330

END YOKE - SPLINED

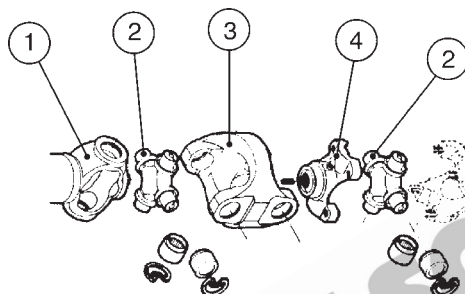
SPLINED HOLE							
PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	FIG	COMMENTS
2-4-3526 ^	29.10-26 1.146	38.50 1.516	48.70 1.917	84.20 3.315		2	FORD RANGER MIDSHIP YOKE
2-4-3304-06	31.10-28 1.229	46.00 1.811	61.60 2.425	102.40 4.031		1	9" DIFF YOKE - 28.58mm 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

^ ALTERNATIVE MIDSHIP AND SLIP ASSEMBLY IN 1350 SERIES CAN BE USED.
FD-SA-RANGER (SLIP ASSY) AND FD-MSA-RANGER35 (MIDSHIP ASSY)

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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	211179X	SCV-82A	SUIT 2.500 x .083 TUBE

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C = 30.16

1.18

B1 = 92.08

3.62

B2 = 65.07

2.56

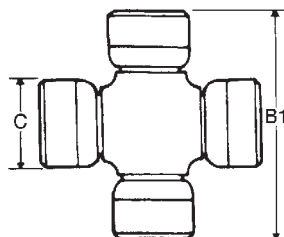


FIG. 1

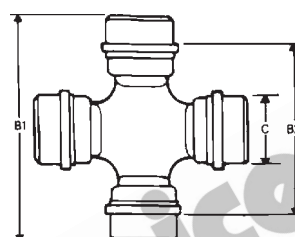


FIG. 2

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 - 1330F SERIES WITH 28.58MM CAPS
5-460X		CONVERSION 1350 - 1310 SERIES

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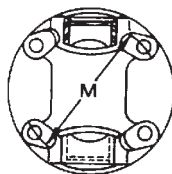
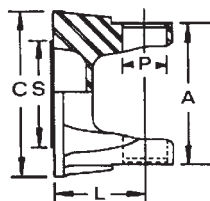
1350 HARDY SPICER

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
3-2-119A	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	ALUMINIUM T6061
K3-2-GB4309	100.00 3.937	55.00 2.165	F-57.00 F-2.244	25	-	-	-	-	SEMI FINISH 100mm OD
K3-2-GB4339	120.00 4.724	56.00 2.205	F-75.00 F-2.952	25	-	-	-	-	SEMI FINISH 120mm OD
K3-2-GB4319	100.00 3.937	55.00 2.165	F-57.00 F-2.244	25	84.00 3.307	EQUAL	6	8.00 0.315	METRIC DIN 100
K3-2-GB4329#	120.00 4.724	56.00 2.205	F-75.00 F-2.952	25	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	76.00 x 76.00 2.992 x 2.992	4	12.75 0.500	NISSAN PATROL PX RANGER
3-2-949A		42.00 1.654	F-50.80 F-2.000		88.90 3.500	62.86 x 62.86 2.475 x 2.475	4	12.70 0.500	1350 FORD EB-EF UPGRADE T6061
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
3-2-452		48.00 1.890	M-45.00 M-1.772		104.65 4.120	74.00 x 74.00 2.913 x 2.913	4	12.30 0.402	MITSUBISHI TRITON REAR FLANGE
3-2-452-60		48.00 1.890	M-60.00 M-2.362		104.65 4.120	74.00 x 74.00 2.913 x 2.913	4	12.30 0.402	MITSUBISHI TRITON FRONT FLANGE
3-2-A2209	105.00 4.134	40.00 1.574	M-46.00 M-1.811		84.60 3.331	60 x 60 2.360 x 2.360	4	10.20 0.402	TOYOTA
3-2-A2049		40.00 1.574	M-46.00 M-1.811		93.00 3.661	66 x 66 2.598 x 2.598	4	11.00 0.433	TOYOTA LANDCRUISER
3-2-244	92.00 3.662	40.00 1.574	M-57.00 M-2.244		77.83 3.025	67.40 x 38.92 2.653 x 1.532	4	10.50 0.413	HOLDEN / NISSAN
3-2-120SF	120.00 4.724	40.00 1.574	M-78.0 Nominal 3.071	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 KIA SORRENTO
3-2-GMFD01	138.43 5.450	76.20 3.00	F-16mm PIN		110.00 4.331	EQUAL	3	12.7 .500	110mm TRIPOD T6061 ALUMINIUM
3-2-108CVA	108.00 4.252	87.38 3.440	-		94.00 3.70	EQUAL	6	10.80 0.425	108mm CV FACE T7075 ALUMINIUM
3-2-2441	113.16 4.455	66.68 2.625	-		95.00 3.740	EQUAL	6	11.10 0.438	113mm CV FACE MUSTANG 05-15 IRS
3-2-ALFY09	113.16 4.455	87.38 3.440	-		95.00 3.740	EQUAL	6	11.10 0.438	113mm CV FACE T6061 ALUMINIUM
3-2-1859	146.05 5.750	44.45 1.750	F-75.00 F-2.952		120.65 4.750	85.31 x 85.31 3.359 x 3.359	4	12.70 0.500	FORD F-TRUCK, NEW MUSTANG FRONT
3-2-1859A	146.05 5.750	44.45 1.750	F-75.00 F-2.952		120.65 4.750	85.31 x 85.31 3.359 x 3.359	4	12.70 0.500	ALUMINIUM T6061

INDENT ITEM

B:2-40

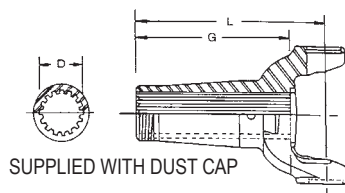
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SUPPLIED WITH DUST CAP

Fig-1

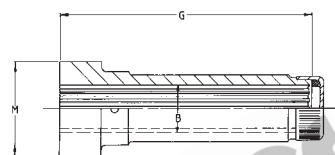


Fig-2

1350

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 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

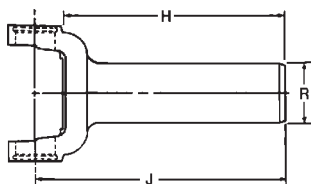
ALTERNATIVE SPLINED DUST CAP KIT= DCK35B

NOTE: 3-3-2801X HAS BEEN REPLACED BY 3-56-2801/1551 ASSEMBLY.

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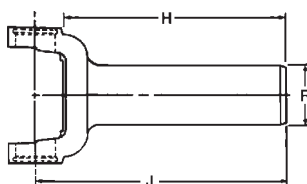
1350 REVERSE SLIP

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	42.80 1.685	125.00 4.921	164.00 6.457	FMX, C6, FORD TOPLOADER (CAST SG IRON)
3-3-2491X #	35.33-31 1.391	42.80 1.685	125.00 4.921	164.00 6.457	FMX, C6, FORD TOPLOADER FORGED STEEL YOKE AVAILABLE INDENT ONLY
3-3-3532	34.90-32 1.374	43.97 1.731	123.30 4.854	155.00 6.102	SUITS NISSAN 6 SPD MAN, 7 SPD AUTO G35, G37 SKYLINE ETC.
K3-3-A3658 INVOLUTE	35.50-32 1.397	47.83 1.885		200.00 7.874	SUITS SUPER T10. FULL SPLINE
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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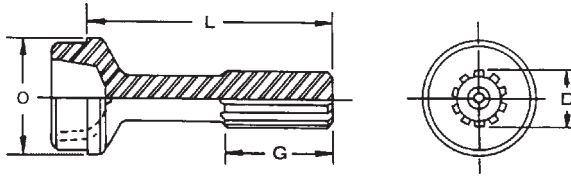
PERFORMANCE SLIP YOKES

PART No.	SPLINE O.D. & No.	GROUND SLEEVE R	LENGTH OF HOLE H	C/L TO END OF SPLINE J	COMMENTS
3-3-6081HP	30.23-27 1.190	38.10 1.500		138.94 5.470	GM27SP POWERGLIDE, TURBO 350, 4L60E, MUNCIE CHROME MOLY FULL SPLINE
3-3-4281HP	30.23-27 1.190	38.10 1.500		176.28 6.940	GM27SP COUNTERBORED 0.410". TH350, 700, 4L60E, MUNCIE, SAGINAW. CHROME MOLY
3-3-6081RB	30.23-27 1.190	38.10 1.500		138.94 5.470	GM27SP POWERGLIDE, TURBO 350, 4L60E, MUNCIE CHROME MOLY FOR ROLLER BEARING
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 HIGH TENSILE CHROME MOLY
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 HIGH TENSILE CHROME MOLY
3-3-8251HP	30.98-28 1.220	38.06 1.498		165.10 6.500	FORD 28SPL C4, T5, B/W S/RAIL, TREMEC 3550, C10 CHROME MOLY FULL SPLINE
3-3-14061HP	30.98-28 1.220	40.60 1.598		168.40 6.630	FORD 28SPL MUSTANG & FORD WITH LARGER HUB CHROME MOLY
3-3-3931HP	33.68-30 1.326	42.65 1.680		168.40 6.630	MOPAR 30SPL CHROME MOLY
3-3-2491HP	35.33-31 1.391	42.80 1.685		163.58 6.440	FORD 31SPL FMX, C6, T45, FORD TOPLOADER CHROME MOLY FULL SPLINE
3-3-2431HP	35.50-32 1.397	47.85 1.886		139.70 5.500	GM32SP TURBO 400 SHORT VERSION CHROME MOLY
3-3-2431CBHP	35.50-32 1.397	47.85 1.886		139.70 5.500	GM32SP. C/BORED TO CONVERT BOLT ON TO SLIP SHORT VERSION CHROME MOLY
3-3-2431RB	35.50-32 1.397	47.95 1.888		139.70 5.500	HARDENED YOKE FOR ROLLER BEARING GM32SP TURBO 400 HIGH TENSILE CHROME MOLY
3-3-5571HP	35.50-32 1.397	47.83 1.885		176.28 6.940	GM32SPL TURBO 400, 4L80E, SUPER T10 CHROME MOLY FULL SPLINE
3-3-5551HP	35.50-32 1.397	47.83 1.885		201.68 7.940	GM32SPL TURBO 400, 4L80E, SUPER T10 COUNTERBORED 0.220" DEEP CHROME MOLY

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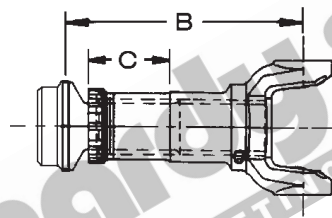
1350 HARDY SPICER



1350

STUB

SPLINE TYPE:					BUTT TYPE:		H = HOLLOW S = SOLID	
HC = HARDY COATED ST = STEEL								
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	STANDARD
K3-42-A3641	38.09-16 1.500	HC	76.20 3.000	191.26 7.530	H	88.90 x 2.41 3.500 x 0.095	2813-0000	LONG
3-42-300	38.09-16 1.500	ST	300.00 11.811					SPLINED BAR



1350

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	COMMENTS
3-84-1350-25095	216.00 8.504	38.09-16 1.500	2.500" x 0.095" 63.50 x 2.41	89.00 3.500	DCK35A	
3-84-1350-30095	216.00 8.504	38.09-16 1.500	3.000" x 0.095" 76.20 x 2.41	89.00 3.500	DCK35A	

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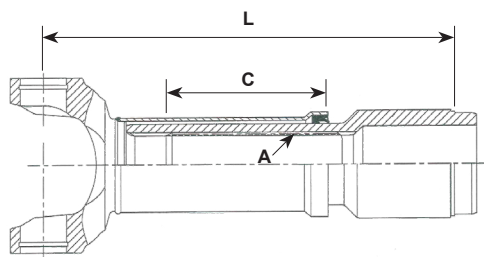


FIG 1

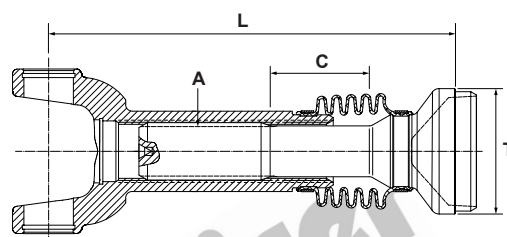


FIG 2

1350

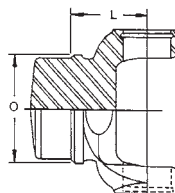
SLIP ASSEMBLY

SLIP ASSEMBLY PART No.	FIG	SPLINE A	C'L OF UJ TO POINT OF WELD L	TOTAL SLIP C	TUBE SIZE & PART No. T	COMMENTS
3-84-237/110	1	38x2-18T INV 1.496	237.00 9.331	110.00 4.331	70X3MM 70 x 3	
3-83-238/110	1	40x1.5-24T INV 1.575	208.00 8.189	110.00 4.331	2413-0000 3.000" x 0.095"	
3-84-213/110	1	38x2-18T INV 1.496	213.00 8.386	110.00 4.331	2813-0000 3.500" x 0.095"	30°
FD-SA-RANGER	2		245.00 ^ 9.646	40.00 ^ 1.575	2413-0000 3.000" x 0.095"	SUIT FORD RANGER INCLUDES RUBBER BOOT FD-RANGER-BOOT **

^ Dimensions are when Boot is fitted

** FD-RANGER-BOOT (42.7mm x 44.45mm x 117mm) not available separately

BUTT TYPE:
H=HOLLOW
S=SOLID



1350

WELD YOKE

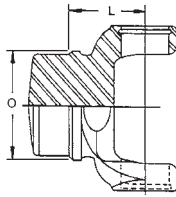
PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
K3-26-GB1717	50.80 2.000	76.20 x 2.41 3.000 x 0.095	2413-0000	H	20	STANDARD
K3-26-GB1667	42.00 1.654	63.50 x 2.41 2.500 x 0.095	2013-0000	H	20	
3-28-47	49.20 1.937	63.50 x 2.11 2.500 x 0.083	2014-0000	H	20	
3-28-58	42.00 1.654	63.50 x 2.41 2.500 x 0.095	2013-0000	S	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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1350 HARDY SPICER

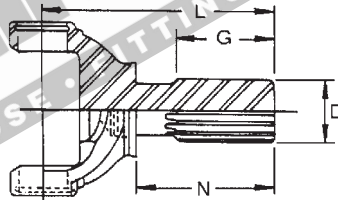
BUTT TYPE:
H=HOLLOW
S=SOLID



1350 PERFORMANCE WELD YOKES

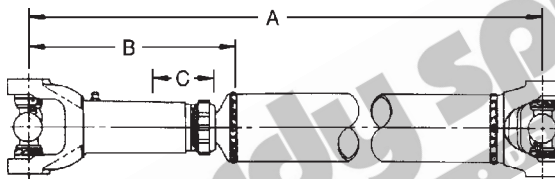
PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
3-28-U1672	57.00 2.244	76.20 x 2.11 3.000 x 0.083	2414-0000CM	H		STRANGE 4130 CHROME-MOLY
3-28-U1673	52.00 2.047	88.90 x 2.11 3.500 x 0.083	35-60CM	H		TUBE IS IN 60" LENGTH ONLY STRANGE 4130 CHROME-MOLY

SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1350 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
3-82-181	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 (MIN) A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
3-3-598KX See Note 1	NSS	174.00 6.850	57.00 2.240	265.30 10.440	K3-26-GB1667	20	2013-0000 2.500 x 0.095
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 2	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 1 : Also available as Unwelded Shaft **1350-PSA-150025** complete with 3-2-119 Flanges

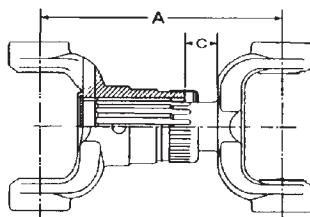
Note 2 : Also available as Unwelded Shaft **1350-PSA-1500** complete with 3-2-119 Flanges

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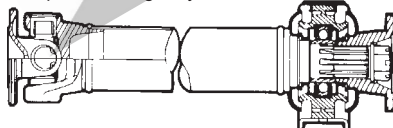
1350 SHORT COUPLED ASSEMBLY CHART

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.	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	

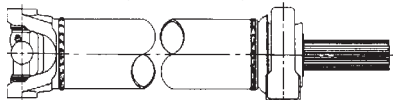
Shaft Assembly End Yoke Style



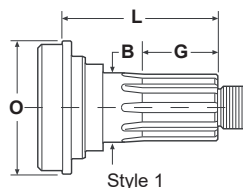
Companion Flange Style



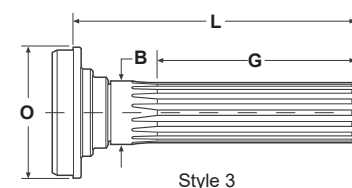
Shaft Assembly Slip Yoke Style



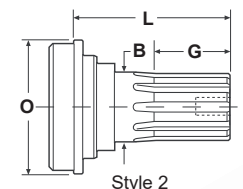
Midship Stubs



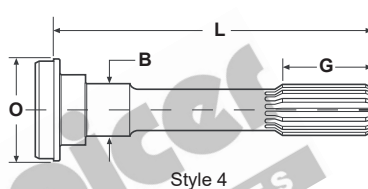
Style 1



Style 3



Style 2



Style 4

1350 MIDSHIP 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	STRAP KIT TYPE USE 509-33 NUT
K3-53-A1411	1	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
3-53-1551	4	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
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 7.047	2414-0000 3.000 x 0.083		210088-1X OR 211187X	K3-3-A780 SLIP YOKE	HARDY COATED
3-53-0291	1	32.41-29 1.276		88.90 3.500	2414-0000 3.000 x 0.083	35.00 1.378	210088-1X	3-4-0291-1 HR END YOKE	NUT 509-33

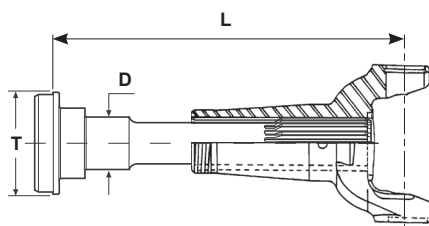
* ORDER DUST CAP SEPARATELY 211158X

NOTE: 3-53-1551 & 3-3-2801X HAVE BEEN REPLACED BY 3-56-2801/1551 ASSEMBLY.

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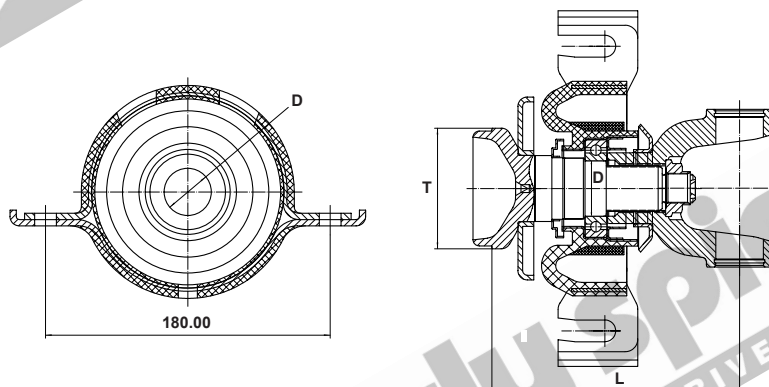
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1350 HARDY SPICER



1350 MIDSHIP STUB ASSEMBLY

MIDSHIP ASSEMBLY PART No.	LENGTH C TO POINT OF WELD COMP. L	BEARING DIA. D	BEARING PART No.	TUBE O.D. & WALL THICKNESS T	COMMENTS
3-56-2801/1551	275.00 10.827	40.00 1.575	210866X	2414-0000 3.000" x 0.083"	INCLUDES 3-3-2801X & 3-53-1551 ORDER DUST CAP SEPARATELY 211158X



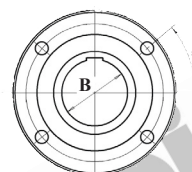
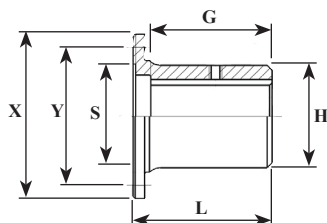
1350 MIDSHIP STUB ASSEMBLY

MIDSHIP ASSEMBLY PART No.	LENGTH C TO POINT OF WELD L	BEARING DIA. D	BEARING PART No.	TUBE O.D. & WALL THICKNESS T	COMMENTS
FD-MSA-RANGER35	157.00 6.181	35.00 1.378	FD-30-7040	2413-0000 3.000" x 0.095"	SUIT FORD RANGER INCLUDES BRG

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HARDY SPICER 1350

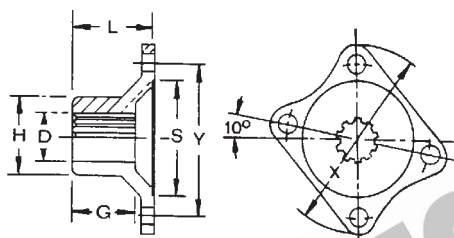


1350

COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA.	HUB O.D.	MAX. BORE STD KEY	FLANGE FACE TO END OF HUB	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 2.00"x0.5"	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
DIN-1-10068	10.00 0.394	69.50 2.736	45.00 1.771	110.00 4.331		8.1 x 6 0.315	84.00 3.307	M-57.00 M-2.244	100.00 3.937	EQUALLY SPACED
DIN-1-120810	12.00 0.472	84.00 3.307	55.00 2.165	130.00 5.118		10.1 x 8 0.397	101.5 3.996	M-75.00 M-2.953	120.00 4.724	EQUALLY SPACED



1350

COMPANION FLANGE

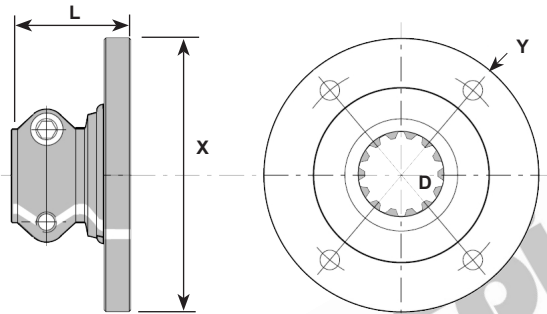
RECTANGULAR TYPE - SPLINED HOLE

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	61.23x72.96 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

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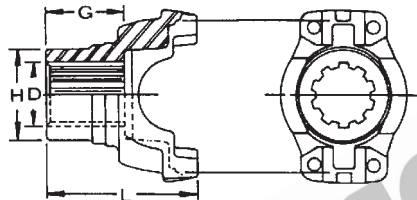
1350 HARDY SPICER



1350 CLAMP LOCK COMPANION FLANGE

RECTANGULAR TYPE - SPLINED HOLE

PART No.	SPLINE O.D. & No. D	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
3-1-CLC06	1.250-14 31.75	68.90 2.713	59.00 2.323	45.00 1.772	11.2 x 4 0.440	95.25 3.750	F-69.85 F-2.750	117.40 4.622	61.23 x 72.96 2.410 x 2.872	
3-1-CLC32	1.500-17 38.10	68.90 2.713	59.00 2.323	45.00 1.772	11.2 x 4 0.440	95.25 3.750	F-69.85 F-2.750	117.40 4.622	61.23 x 72.96 2.410 x 2.872	
3-1-CLC07	1.375-21 34.93	68.90 2.713	59.00 2.323	45.00 1.772	11.2 x 4 0.440	95.25 3.750	F-69.85 F-2.750	117.40 4.622	61.23 x 72.96 2.410 x 2.872	



1350 END YOKE - HALF ROUND

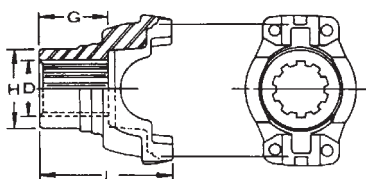
SPLINED HOLE

PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF OF HUB G	C/L TO END L	JOINT ANGLE	COMMENTS
3-4-178X	34.93-10 1.375	44.45 1.750	45.24 1.781	83.34 3.281	20	STRAP KIT TO SUIT 3-70-28X (Threaded holes in yoke for strap kit)
3-4-5761X	29.10-26 1.146	39.37 1.550	38.10 1.500	76.20 3.000		SUIT DANA 44, 50 DIFF CAN BE MODIFIED TO SUIT 2-53-1351L
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
3-4-6211-2	35.58-32 1.401	54.04 2.128	33.50 1.319	72.24 2.844		FORD BA-FG 32 SPL END YOKE COMMODORE 32 SPL END YOKE

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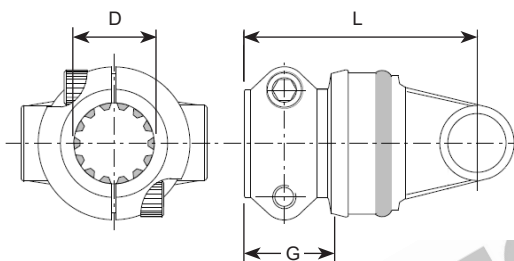
HARDY SPICER 1350



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-U1605	33.32-30 1.312	49.28 1.940		85.73 3.375		1	SUIT GM 8.5" 10 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

TITANIUM, ALUMINIUM AND OTHER PERFORMANCE YOKES ARE AVAILABLE ON REQUEST.
BEARING CAP STYLE U/BOLTS 3-94-U1610HD TO SUIT STRANGE YOKES



BOLT TORQUE
70Nm Min
100Nm Max

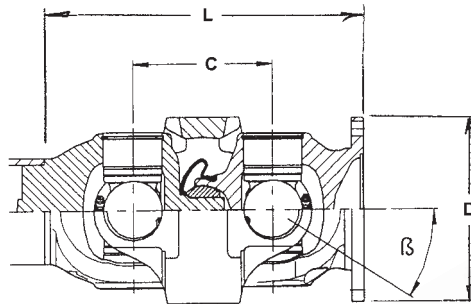
1350 CLAMP LOCK END YOKES

SPLINED HOLE					
PART No.	SPLINE O.D. & No. D	SPLINE TYPE	LENGTH OF SPLINE G	C/L TO END L	COMMENTS
3-4-13508	44.45-13 1.750	8/16 SAE D-E	45.00 1.772	116.50 4.587	2 PIECE
3-4-13506	31.75-14 1.250	12/24 SAE C	50.00 1.967	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
3-4-13507	34.93-21 1.375	16/32	50.00 1.968	91.50 3.602	1 PIECE
3-4-13543	38.10-23 1.500	16/32	45.00 1.772	91.50 3.602	1 PIECE
3-4-135115	36X32-8 1.375	DIN 5462 SQ		91.50 3.602	1 PIECE

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1350 HARDY SPICER

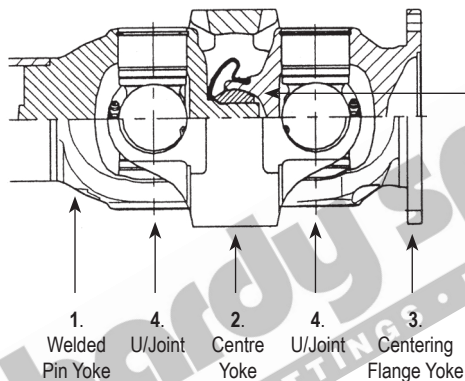


1350 DOUBLE CARDAN ASSEMBLY

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 #	129.40 5.094	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 MAX STATIC ANGLE = 32°
921049 *	129.40 5.094	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) MAX STATIC ANGLE = 32°
921060-10		73.02 2.875	151.50 5.938	74.0 x 74.0 2.913 x 2.913	60.00 - M 2.362 - M	69.85x2.1MM 2.750 x 0.083	4WD ISUZU TRUCK 10.2mm BOLT HOLES
921060		73.02 2.875	151.50 5.938	74.0 x 74.0 2.913 x 2.913	60.00 - M 2.362 - M	69.85x2.1MM 2.750 x 0.083	4WD ISUZU TRUCK 12.2mm BOLT HOLES

THREADED HOLES - M12 x 1.75mm

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



1350 DOUBLE CARDAN PARTS

COMPLETE ASSEMBLY PART #	WELDED PIN YOKE 1	U/JOINT KIT 4	CENTRE YOKE 2	CENTERING FLANGE YOKE includes ball kit 3	BALL REPAIR KIT 5	COMMENTS
921052	3-28-1747X	5-178X	3-26-757	212024X	SCV-82B	SUIT 2.750 X .083 TUBE
	3-28-1327X	5-178X	3-26-757		SCV-82B	SUIT 3.000 X .083 TUBE
		5-178X	3-26-757	212025X ^	SCV-82B	68mm (2.677") FEMALE SPIGOT 76.2 x 76.2 M12x1.75
				212019X		CENTERING YOKE TO SUIT HR D/C YOKE. BOLTS-5-73-1228

^ FOR RANGER D/C CONVERSION MAKE SPIGOT RING TO 65mm AND DRILL HOLES TO 1/2".

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C = 30.16

1.18

B1 = 106.35

4.18

B2 = 79.29

3.11

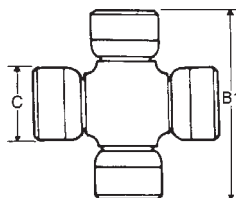


FIG. 1

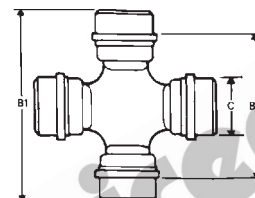


FIG. 2

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

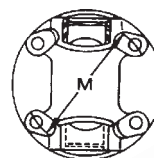
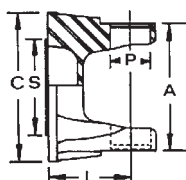
PART No.	LUBE	DESCRIPTION
RUJ-4008		CONVERSION 1410 - S55 SERIES
5-357X		CONVERSION 1410 - 5380 SERIES
5-345X		CONVERSION 1410 - 4C SERIES (BLOCK CAPS)
5-346X		CONVERSION 1410 - 4C SERIES (THREADED WING CAPS)

A - 112.70

4.43

P - 30.16

1.18



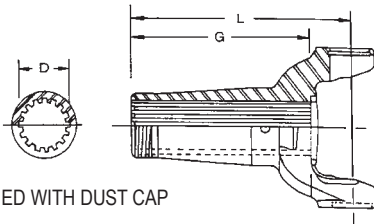
1410 FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
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 6M x 8
3-2-1709		41.30 1.626	F-68.00 F-2.677		107.95	76.20 x 76.20	4		FORD F SERIES M12 x 1.75
3-2-1839		53.00 2.086	F-75.00 F-2.952			85.5 x 85.5	4	12.70	FORD F250
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.
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
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
3-2-25	120.00 4.724	57.00 2.244		22	100.00 3.937		4	11.10 0.437	1410 KV70 FLANGE

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1410 HARDY SPICER



SUPPLIED WITH DUST CAP

Fig-1

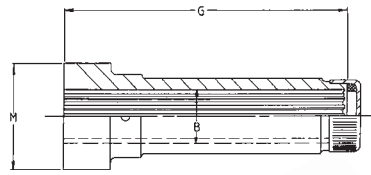
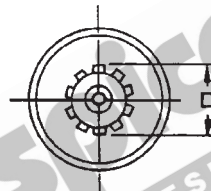
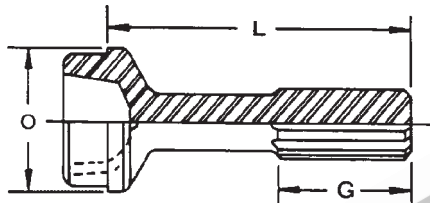


Fig-2

1410 SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE 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
3-55-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
3-3-6611KX #	1	36.51-22 1.438	186.70 7.350	155.45 6.120		212010X #	IVECO DAILY MIDSHIP SLIP 21 SPLINES BASED ON 22

ALTERNATE SPLINED DUST CAP KIT = DCK35B



1410 STUB

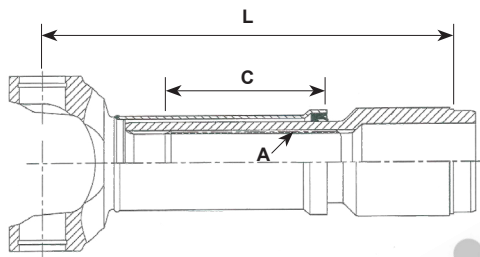
SPLINE TYPE:				BUTT TYPE:				
HC = HARDY COATED ST = STEEL				H = HOLLOW S = SOLID				
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD L	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G			O		
K3-42-GB3081	38.10-16 1.500	HC	76.20 3.000	153.18 6.031	S	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	H	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 6.142	H	88.90 x 2.41 3.500 x 0.095	2813-0000	STANDARD
K3-42-A3641	38.10-16 1.500	HC	76.20 3.000	191.26 7.530	H	88.90 x 2.41 3.500 x 0.095	2813-0000	LONG
3-42-300	38.10-16 1.500	ST	300.00 11.811					SPLINED BAR

INDENT ITEM

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HARDY SPICER 1410

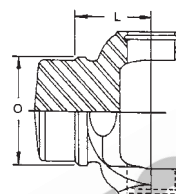


1410

SLIP ASSEMBLY

SLIP ASSEMBLY PART No.	INVOLUTE SPLINE O.D. & No. A	C/L OF UJ TO WELD POINT L	TOTAL SLIP C	TUBE SIZE & PART No.	COMMENTS
3-83-239/110	38x2-18T 1.496	237.00 9.528	110.00 4.331	2413-0000 3.000 x 0.095	
3-84-225/90	50x2.2-18T 1.969	225.00 8.858	90.00 3.543	2413-0000 3.000 x 0.095	
3-84-265/140	45x1.5-18T 1.772	265.00 10.433	140.00 5.512	2413-0000 3.000 x 0.095	

BUTT TYPE:
H=HOLLOW
S=SOLID



1410

WELD YOKE

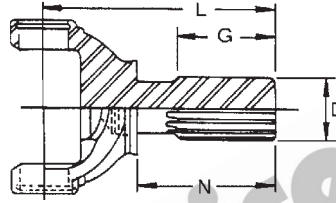
PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
3-28-657	52.00 2.047	50.80 x 2.77 2.000 x 0.109		S	-	AXLE SHAFT YOKE
3-28-017	60.00 2.362			S	-	58.6mm BUTT NOT MACHINED
K3-26-GB2005		63.50 x 2.41 2.500 x 0.095	2013-0000	H		
3-28-267	53.98 2.125	76.20 x 2.41 3.000 x 0.095	2413-0000	H	20	
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	

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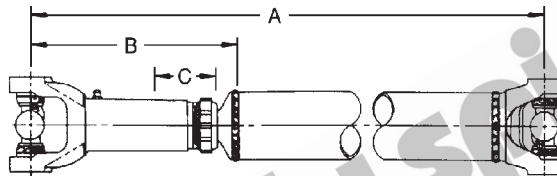
1410 HARDY SPICER

SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1410 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			
3-82-81	38.10-16 1.500	50.80 2.000	125.98 4.969	79.38 3.125	ST	8	SUIT 3-3-468KX
3-82-1301	38.10-16 1.500	50.80 2.000	137.30 5.406	84.12 3.312	HC		
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



1410 TUBULAR TYPE ASSEMBLY CHART

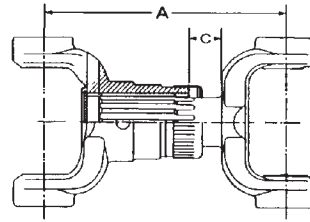
MINIMUM TUBE LENGTH = 50.1mm (1.94")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED	TOTAL SLIP	CLOSED LENGTH C/L TO C/L U.J.'s	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
		B	C	A			
3-3-118KX See Note	K3-42-GB3081	185.00 7.280	57.00 2.244	289.10 11.380	3-28-267	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

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HARDY SPICER 1410



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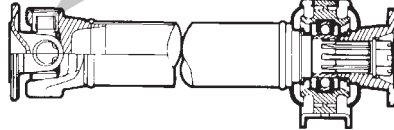
SHORT COUPLED ASSEMBLY CHART

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
3-3-468KX	3-82-81	19.1 0.750	155.50 6.120	8	
3-3-1511KX	3-82-261	25.4 1.000	146.50 5.738	9	

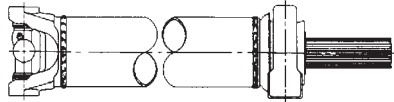
Shaft Assembly End Yoke Style



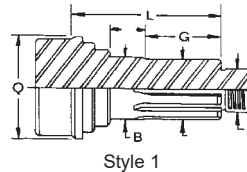
Companion Flange Style



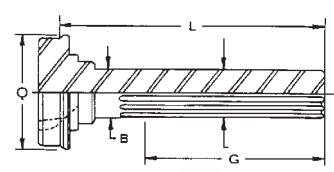
Shaft Assembly Slip Yoke Style



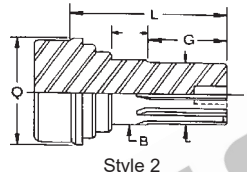
Midship Stubs



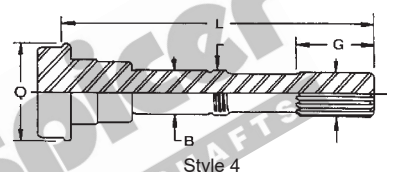
Style 1



Style 3



Style 2



Style 4

1410

MIDSHIP ASSEMBLY

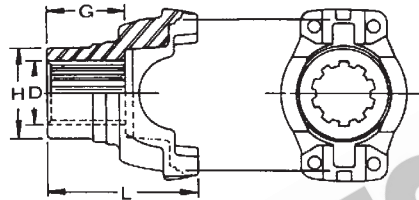
MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	TUBE PART No. & SIZE Q	BEAR- ING I.D. B	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
K3-53-A1411	1	38.09-10 1.500	50.80 2.000	105.00 4.134	2413-0000 3.000 x 0.095	40.00 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 7.040	2414-0000 3.000 x 0.083	35.00 1.375	210088-1X or 211187X	3-3-788KX SLIP YOKE	HARDY COATED
3-53-02255 #		36.51-22 1.438	88.90 3.500	205.00 8.071	2413-0000 3.500 x 0.095	40.00 1.574	IV-30-9056	3-3-6611KX # SLIP YOKE	IVECO DAILY 21 SPL BASED ON 22

INDENT ITEM

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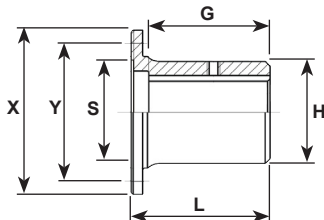
1410 HARDY SPICER



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



1410 COMPANION FLANGE

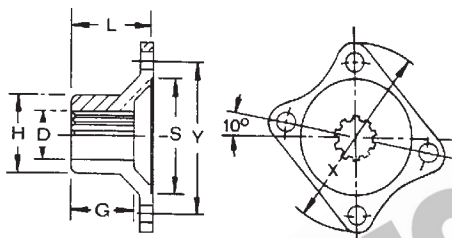
CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA. B	HUB O.D. H	MAX. BORE STD KEY 2.00"x0.5"	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"x0.5"	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
DIN-1-10068	10.00 0.394	69.50 2.736	45.00 1.771	110.00 4.331		8.1 x 6 0.315	84.00 3.307	M-57.00 M-2.244	100.00 3.937	EQUALLY SPACED
DIN-1-120810	12.00 0.472	84.00 3.307	55.00 2.165	130.00 5.118		10.1 x 8 0.397	101.5 3.996	M-75.00 M-2.953	120.00 4.724	EQUALLY SPACED

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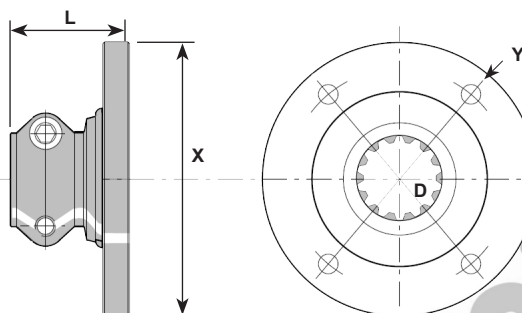
HARDY SPICER 1410



1410

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	61.23 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



1410

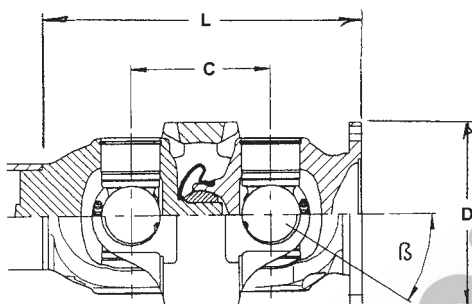
CLAMP LOCK COMPANION FLANGE

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
3-1-CLC06	1.250-14 31.75	68.90 2.713	59.00 2.323	45.00 1.772	11.2 x 4 0.440	95.25 3.750	F-69.85 F-2.750	117.40 4.622	61.23 x 72.96 2.410 x 2.872	
3-1-CLC32	1.500-17 38.10	68.90 2.713	59.00 2.323	45.00 1.772	11.2 x 4 0.440	95.25 3.750	F-69.85 F-2.750	117.40 4.622	61.23 x 72.96 2.410 x 2.872	
3-1-CLC07	1.375-21 34.93	68.90 2.713	59.00 2.323	45.00 1.772	11.2 x 4 0.440	95.25 3.750	F-69.85 F-2.750	117.40 4.622	61.23 x 72.96 2.410 x 2.872	

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1410 HARDY SPICER



1410 DOUBLE CARDAN ASSEMBLY

DOUBLE CARDAN ASSEMBLY PART No.	FLANGE DIA. D	C/LINE TO C/LINE C	FLANGE FACE TO WELD L	BOLT HOLE PCD 4.250	SPIGOT DIA 79.38 - F 3.125 - F	TUBE SIZE 63.50x3.0MM 2.500 x 0.120	COMMENTS
924141G	129.40 5.094	88.39 3.480	185.93 7.320	107.95 4.250	79.38 - F 3.125 - F	63.50x3.0MM 2.500 x 0.120	DODGE RAM MAX STATIC ANGLE = 22°
924141HAG	129.40 5.094	88.39 3.380	185.93 7.320	107.95 4.250	79.38 - F 3.125 - F	63.50x3.0MM 2.500 x 0.120	DODGE RAM MAX STATIC ANGLE = 30°

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HARDY SPICER 1480

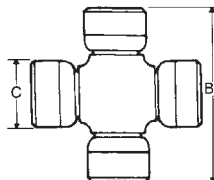
SEE ALSO GWB 687.30 SERIES

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

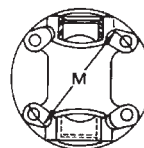
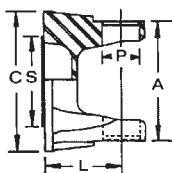
PART No.	LUBE	DESCRIPTION
5-347X		CONVERSION 1480 - 5C SERIES
5-348X		CONVERSION 1480 - 5C SERIES

A - 112.70

4.43

P - 34.93

1.37



1480 FLANGE YOKE

PART No.	FLANGE DIA.	C/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				
3-2-479	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		100.00 3.937	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	25°	95.25 3.750	61.23 x 72.96 2.410 x 2.872	4	11.20 0.438	1410 FACE
3-2-352	120.00 4.724	65.00 2.559	M-70.00 M-2.756		100.00 3.937	64.00 x 77.00 2.520 x 3.031	4	12.20 0.480	MITSUBISHI
3-2-759	146.00 5.748	62.00 2.441	M-68.00 M-2.677		122.00 4.803	86.00 x 86.00 3.386 x 3.386	4	13.10 0.516	MITSUBISHI
3-2-10652	120.00 4.724	69.00 2.717	M-59.80 M-2.354		92.00 3.622	70.00 x 59.70 2.756 x 2.350	4	26.20 1.024	SEA ELECTRIC MOTOR
3-2-1719	149.22 5.875	45.72 1.800	F-68.10 F-2.681	12°	107.95 4.250	EQUALLY SPACED	4	M12 0.472	FORD Threaded Holes
3-2-1869	148.59 5.850	50.80 2.000	F-75.00 F-2.953		120.65 4.750	EQUALLY SPACED	4	12.70 0.500	FORD DANA 80 Threaded Holes
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

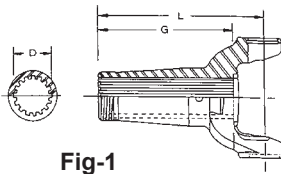


Fig-1

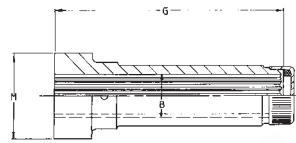
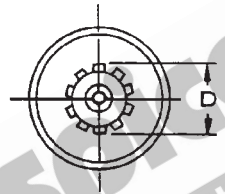
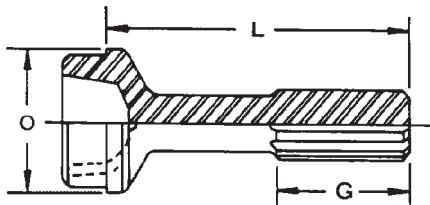


Fig-2

1480 SLIP YOKE

PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF 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
3-3-1505KX #	1	44.45-16 1.750	175.00 9.500	120.00 7.480	21		SUITS 3-82-1211 YOKE SHAFT
3-3-4471KX #	1	44.45-16 1.750	322.00 12.677				CAT 914G LOADER SPECIAL

ALTERNATIVE SPLINED DUST CAP KIT=DCK48B



1480 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				
3-40-1571	39.88-16 1.570	HC	76.20 3.000	171.45 6.750	H	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	H	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		
4-40-1031	44.45-16 1.750	HC		305.00 12.008	H	90.00 x 3.00 3.543 x 0.118	90X3MM	EXTRA LONG SUIT 3-3-4471K		

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INDENT ITEM

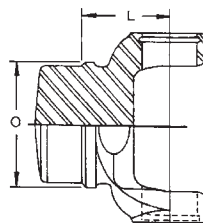
B:2-62

Hardy Spicer Driveshaft Components Catalogue

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HARDY SPICER 1480

BUTT TYPE:
H=HOLLOW
S=SOLID

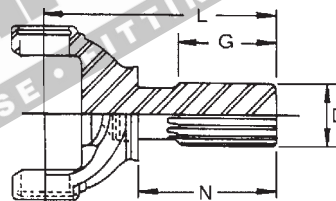


1480

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°	

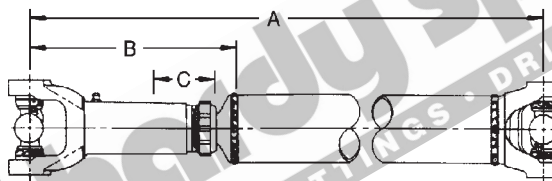
SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1480

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
3-82-271	57.15-10 2.250	40.49 1.594	111.13 4.375	71.44 2.813	ST	8	
3-82-1211	44.45-16 1.750	49.00 1.929	144.50 5.689	101.60 4.000	HC	20	



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

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1480 HARDY SPICER

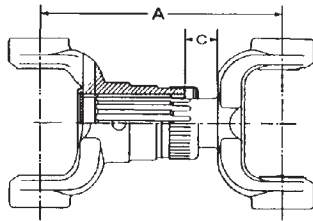


Fig 1.

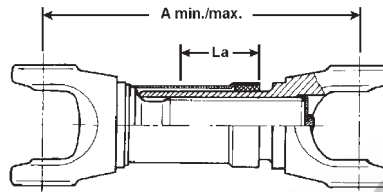
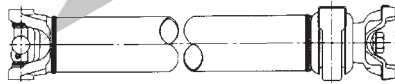


Fig 2.

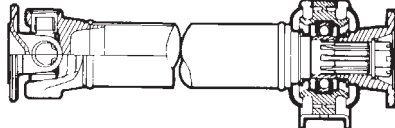
1480 SHORT COUPLED ASSEMBLY CHART

ASSEMBLY PART No.	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
Fig 1.	3-3-1621KX	3-82-271	25.40 1.000	139.70 5.500	8	
Fig 1.	3-3-1505KX	3-82-1211	42.00 1.654	217.00 8.543	20	
3-84-644 Fig 2.			25.40 1.000	140.00 5.512		RILSAN COATED WITH GWB COVER WITH GREASE NIPPLE

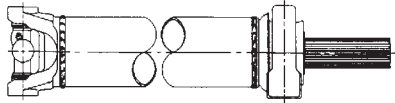
Shaft Assembly End Yoke Style



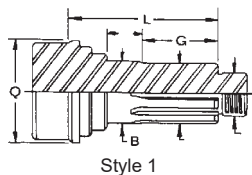
Companion Flange Style



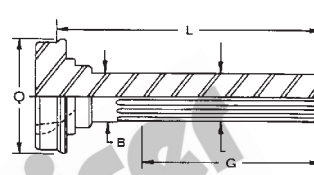
Shaft Assembly Slip Yoke Style



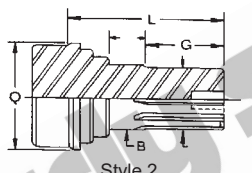
Midship Stubs



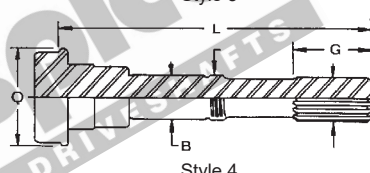
Style 1



Style 3



Style 2



Style 4

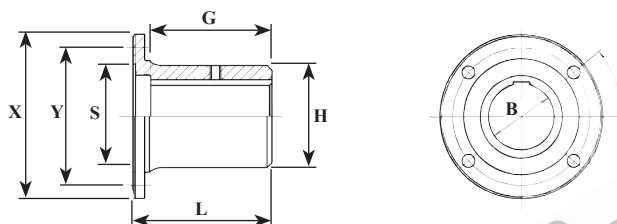
1480 MIDSHIP ASSEMBLY

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
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	3-4-3091-1 END YOKE	& 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
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

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HARDY SPICER 1480

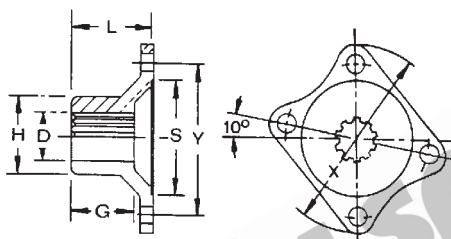


1480

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 F-3.750	142.98 5.629	77.55 x 92.42 3.053 x 3.639
DIN-1-120810	12.00 0.472	84.00 3.307	55.00 2.165	130.00 5.118		10.1 x 8 0.397	101.5 3.996	M-75.00 M-2.953	120.00 4.724	EQUALLY SPACED



1480

COMPANION FLANGE

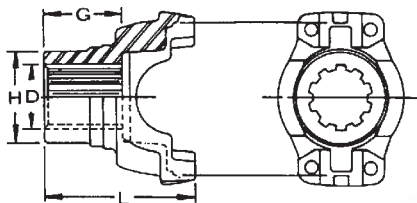
RECTANGULAR TYPE - SPLINED HOLE

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	120.7 4.750	F-95.25 F-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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1480 HARDY SPICER



1480 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
3-4-3091-1	38.10-10 1.500	58.73 2.312	50.80 2.000	102.39 4.031	30	BS	BOLT & STRAP KIT TO SUIT PART No. 3-70-38X

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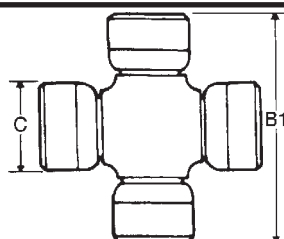
HARDY SPICER 1510

C = 39.70

1.56

B1 = 115.90

4.55



1510

UNIVERSAL JOINT KIT

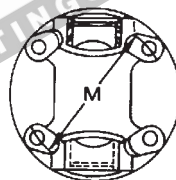
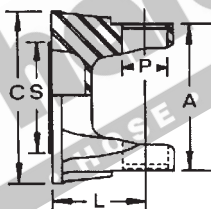
PART No.	LUBE	DESCRIPTION
K5-GB22R	SIDE	STANDARD JOINT
K5-GB15R	CAP	LOCK PLATE CAPS
K5-A725	CENTRE	HIGH PERFORMANCE HARDY SPICER 1630 SERIES

A = 123.93

4.87

P = 39.70

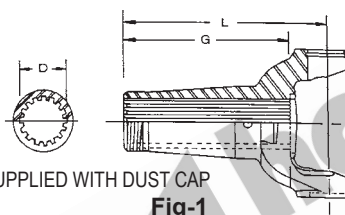
1.56



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-A2079	120.00 4.724	75.00 2.953	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	82.00 3.228	F-90.00 F-3.543	28	130.00 5.118	EQUAL	8	12.00 0.472	METRIC DIN 150mm x 8M12
K4-2-GB1630#	174.62 6.875		M-168.28 M-6.625		155.57 6.125	EQUALLY SPACED	8	9.53 0.375	1610 FACE



SUPPLIED WITH DUST CAP
Fig-1

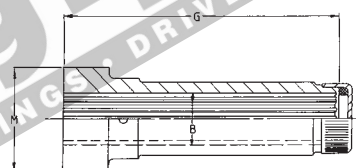


Fig-2

1510

SLIP YOKE

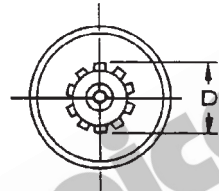
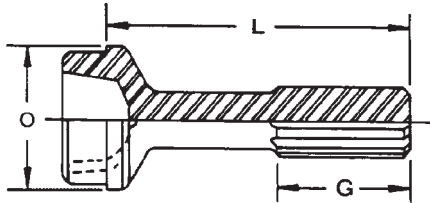
PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KITS	COMMENTS
K4-3-A1120	1	44.45-16 1.750	169.90 6.688	117.51 4.625	22	DCK51A	STANDARD
K4-3-GB1630	1	50.80-16 2.000	267.00 10.512	207.00 8.150	35	SJS61A	LONG USE WITH 5-40-1011 MACHINE BUTT TO SUIT
4-55-A0138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

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INDENT ITEM

1510 HARDY SPICER

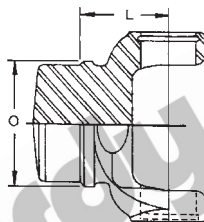


1510

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

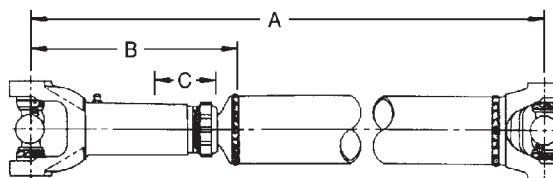
WELD YOKE

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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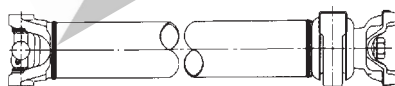
1510

TUBULAR TYPE ASSEMBLY CHART

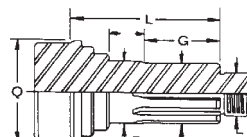
MINIMUM TUBE LENGTH = 53.5mm (2.50")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
K4-3-A1120	K4-42-GB1791	200.00 7.870	64.00 2.520	333.40 13.130	K4-26-GB477	22	2413-0000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

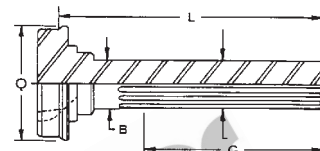
Shaft Assembly End Yoke Style



Midship Stubs

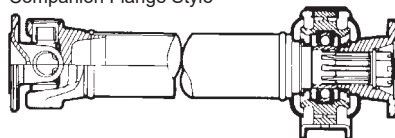


Style 1

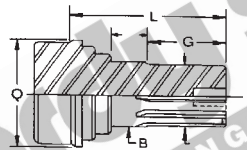
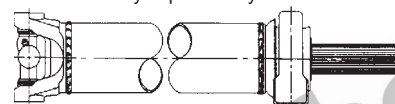


Style 3

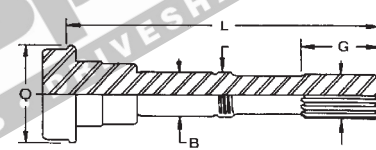
Companion Flange Style



Shaft Assembly Slip Yoke Style



Style 2



Style 4

1510

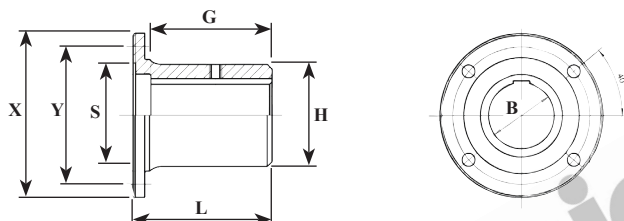
MIDSHIP ASSEMBLY

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 F-3.750	142.98 5.629	77.55 x 92.42 3.053 x 3.639
DIN-1-120810	12.00 0.472	84.00 3.307	55.00 2.165	130.00 5.118		10.1 x 8 0.397	101.5 3.996	M-75.00 M-2.953	120.00 4.724	EQUALLY SPACED
DIN-1-150812	20.00 0.787	110.30 4.343	75.00 2.953	150.00 5.906	57.00 2.244	12.1 x 8 0.476	130.00 5.118	M-90.00 M-3.543	150.00 5.906	EQUALLY SPACED

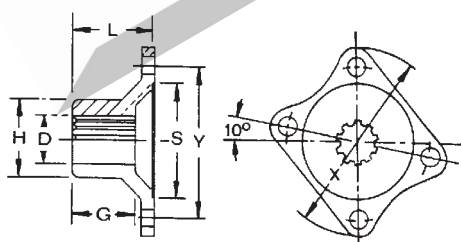


FIG 1

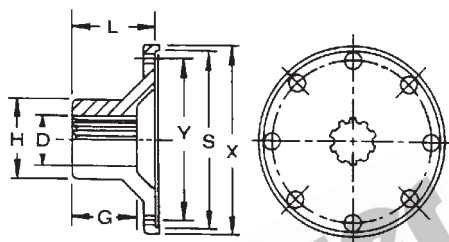


FIG 2

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	FIG 1
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 FIG 1
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 FIG 1
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	120.7 4.750	F-95.25 F-3.750	145.67 5.735	77.55 x 92.42 2.410 x 2.872	FIG 1
SMALL HUB		55.55 2.187								
5-1-150812	38.10-10 1.500	70.00 2.756	69.00 2.717		12.1 x 8 0.476	130.0 5.118	M-90.00 M-3.543	150.00 5.906	EQUALLY SPACED	DIN150 FIG 2

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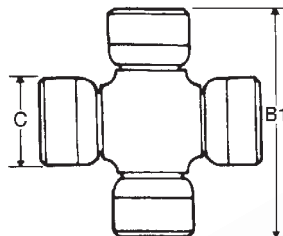
HARDY SPICER 1550

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

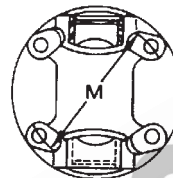
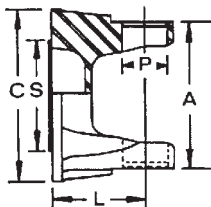
PART No.	LUBE	DESCRIPTION
5-220X		CONVERSION 1550 - 6C SERIES (THREADED WING)
5-221X		CONVERSION 1550 - 6C SERIES (BLOCK)
5-328X		CONVERSION 1550 - 58WB SERIES (BLOCK)

A - 133.35

5.25

P - 34.93

1.37



1550

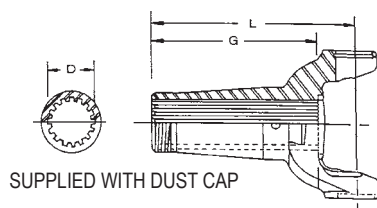
FLANGE YOKE

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



SUPPLIED WITH DUST CAP

Fig-1

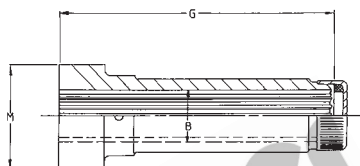
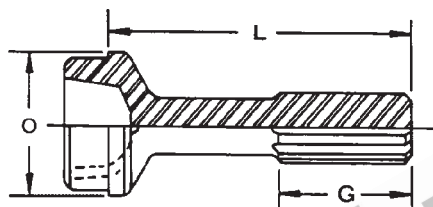


Fig-2

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	35°	DCK55A or SJS55A	LONG
4-3-2041KX	1	50.80-16 2.000	223.80 8.812	154.48 6.082	22°	SJS61A	FOR CAT APPLICATIONS USE WITH STUB SHAFT K5-42-A1081
4-3-1261KX	1	63.50-16 2.500	88.90 3.500	65.02 2.560	5°	D4L	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

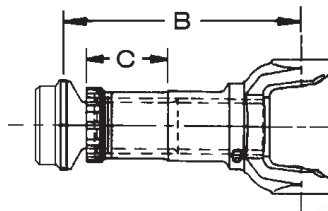
SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
4-40-761	44.45-16 1.750	HC	76.20 3.000	172.23 6.781	S	88.90 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
4-40-1061 #	44.45-16 1.750	HC	88.90 3.500	527.00 20.750	S	88.90 x 2.41 3.500 x 0.095	2813-0000	CAT & CASE APPLICATIONS
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

INDENT ITEM

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HARDY SPICER 1550

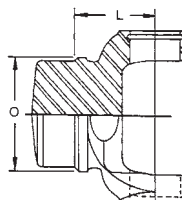


1550

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	COMMENTS
4-84-CAT	258.00 10.157	50.80 -16 2.000	90X4MM 90.00 x 4.00	55.00 2.165	SJS61A	NO LONGER AVAILABLE USE 4-3-2041KX + K5-42-A1081

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	

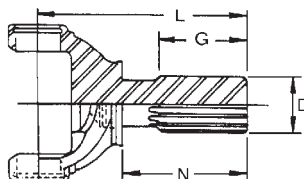
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INDENT ITEM

1550 HARDY SPICER

SPLINE TYPE:
HC = HARDY COATED
ST = STEEL



1550 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			
4-82-371 #	44.45-16 1.750	63.50 2.500	173.00 6.812	107.95 4.250	HC		HIGH ANGLE
4-82-411-1	44.45-16 1.750	75.20 3.000	214.32 8.438	149.22 5.875	HC	45	HIGH ANGLE
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	
4-82-10304 #	63.50-16 2.500	38.50 1.518	130.22 5.127	76.20 3.000	HC	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	
4-82-2085	44.45-16 1.750	76.00 2.992	208.50 8.209	140.00 5.519	HC		

INDENT ITEM

B:2-74

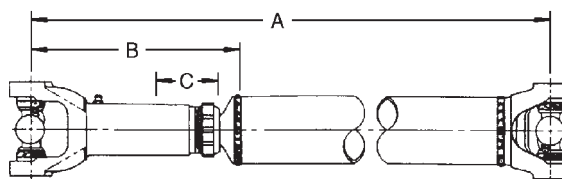
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HARDY SPICER 1550



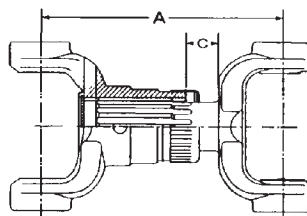
1550

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

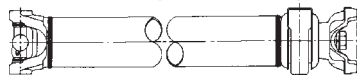
SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY.	COMMENTS
4-3-1261KX	4-82-191	25.4 1.000	139.70 5.500	5	
4-3-1261KX	4-82-201	25.4 1.000	147.00 5.780	5	
4-3-1261KX	4-82-10304	26.2 1.031	154.40 6.079	5	
4-3-1241KX	4-82-411-1	63.5 2.500	249.25 9.813	22	

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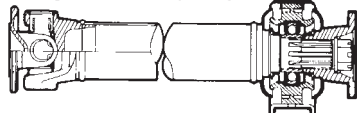
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1550 HARDY SPICER

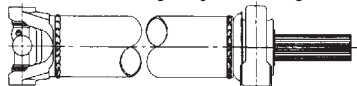
Shaft Assembly End Yoke Style



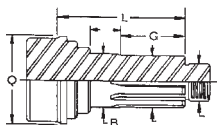
Companion Flange Style



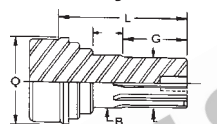
Shaft Assembly Slip Yoke Style



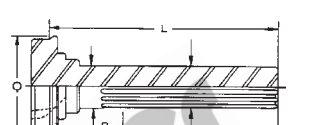
Midship Stubs



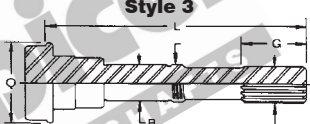
Style 1



Style 2



Style 3

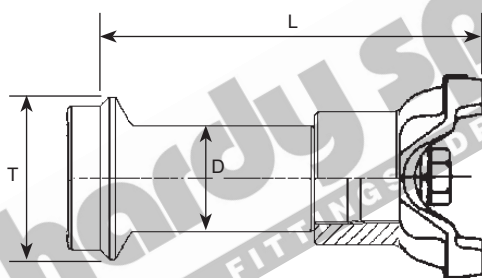


Style 4

1550 MIDSHIP 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	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	4-4-2051-1 END YOKE	& 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 1.575	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	293.00 11.535	62.00 2.441	CAT-30-9168#	90X3MM 90 x 3mm	MIDSHIP STUB, END YOKE, NUT & WASHER

INDENT ITEM

B:2-76

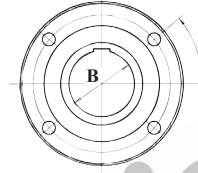
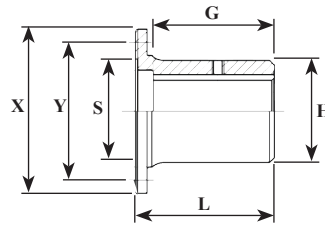
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1550

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 F-3.750	142.98 5.629	77.55 x 92.42 3.053 x 3.639
DIN-1-150812	20.00 0.787	110.30 4.343	75.00 2.953	150.00 5.906		12.1 x 8 0.476	130.00 5.118	M-90.00 M-3.543	150.00 5.906	EQUALLY SPACED

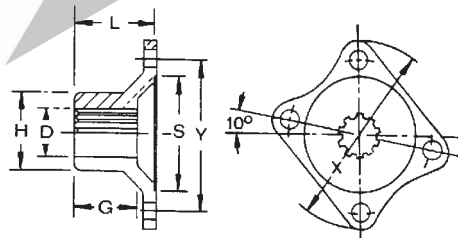


FIG 1

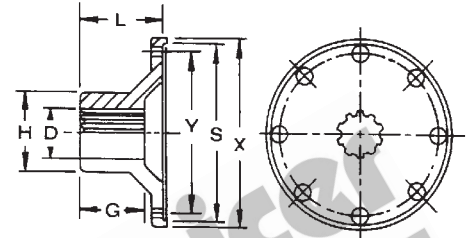


FIG 2

1550

COMPANION FLANGE

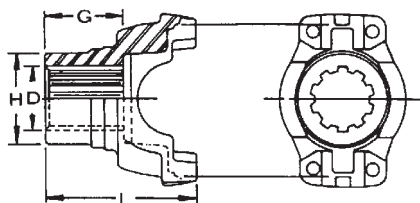
RECTANGULAR TYPE - SPLINED HOLE

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
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	FIG 1
K4-1-A0761 LARGE HUB	44.45-10 1.750	65.15 2.565	69.00 2.717	57.15 2.250	12.7 x 4 0.500	120.7 4.750	F-95.25 F-3.750	145.67 5.735	77.55 x 92.42 2.410 x 2.872	FIG 1
SMALL HUB		55.55 2.187								
5-1-150812	38.10-10 1.500	70.00 2.756	69.00 2.717	57.00 2.244	12.1 x 8 0.476	130.0 5.118	M-90.00 M-3.543	150.00 5.906	EQUALLY SPACED	DIN150 FIG 2

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1550 HARDY SPICER



1550 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
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

HARDY SPICER 1610

B1 = 134.94

5.31

E = 58.72

2.31

C = 47.63

1.87

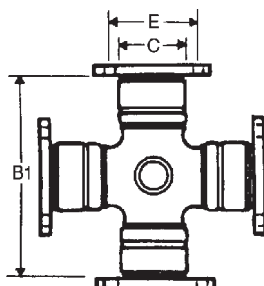


FIG. 1

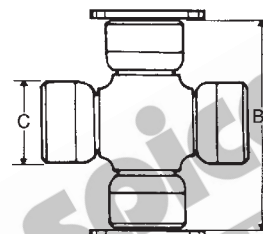


FIG. 2

1610 UNIVERSAL JOINT KIT

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

PART No.	LUBE	FIGURE	DESCRIPTION
5-279X	SIDE	1	1610 SERIES UNIVERSAL JOINT
5-279XD	SIDE	1	1610 SERIES UNIVERSAL JOINT
5-279XR	SIDE	1	1610 SERIES UNIVERSAL JOINT
5-674X	SIDE	2	1610 SERIES UNIVERSAL JOINT TO HALF ROUND C/W STRAP KIT
5-674XR	SIDE	2	1610 SERIES UNIVERSAL JOINT TO HALF ROUND C/W STRAP KIT
5-674XD	SIDE	2	1610 SERIES UNIVERSAL JOINT TO HALF ROUND C/W STRAP KIT

LOCK TABS AVAILABLE SEPARATELY. PART NUMBER 94-A764

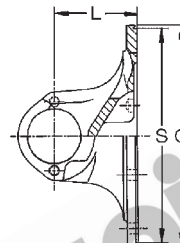
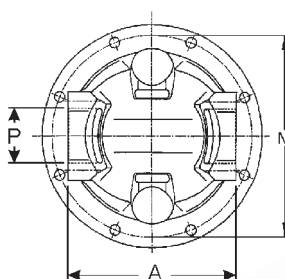
STRAP KITS AVAILABLE SEPARATELY. PART NUMBER 5-70-28X

A - 134.94

5.31

P - 47.69

1.87



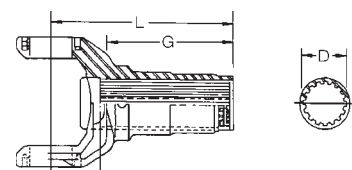
1610 FLANGE YOKE

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	12.10 0.476	METRIC DIN 150mm x 8M12

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1610 HARDY SPICER



SUPPLIED WITH DUST CAP

Fig-1

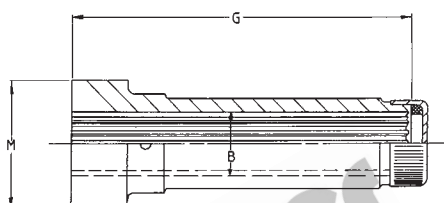
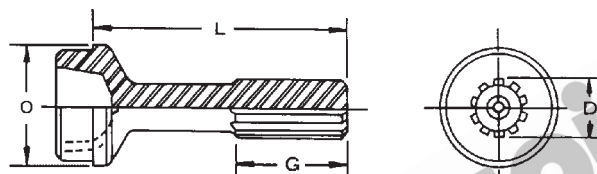


Fig-2

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

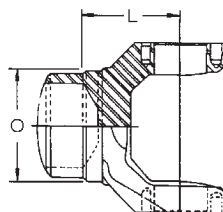
SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No. D	SPLINE TYPE	LENGTH OF SPLINE G	END OF SPLINE TO POINT OF WELD L	BUTT TYPE	TUBE O.D. & THICKNESS O	TUBE PART No.	COMMENTS
5-40-1041	50.80-16 2.000	HC	88.90 3.500	254.78 10.030	H	88.9 x 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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HARDY SPICER 1610

BUTT TYPE:
H=HOLLOW
S=SOLID

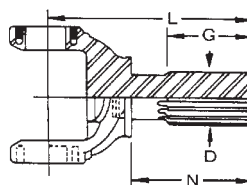


1610

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 2.40 3.500 x 0.095	2813-0000	H	35	INDENT ONLY
5-28-887	96.77 3.810	88.90 x 3.40 3.500 x 0.134	2810-0000	H		HIGH ANGLE

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	
5-82-751-10	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	279.40 11.000	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	

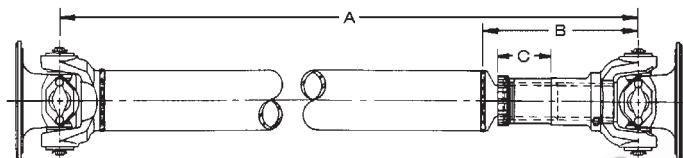
^ Use Assembly 5-83-338 (5-3-288KX + 5-82-A661)

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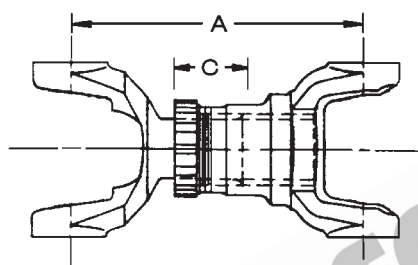
1610 HARDY SPICER



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

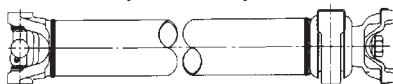
SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY.	COMMENTS
5-3-168KX	5-82-161	19.10 0.750	136.40 5.370	8	
5-3-288KX	5-82-A661	70.00 2.750	350.00 13.78	30	
5-83-A010 SLIP ASSEMBLY		17.00 0.670	150.00 5.910	5	PARTS NOT SOLD SEPARATELY SLIP & YOKE SHAFT ASSEMBLY
5-83-251 SLIP ASSEMBLY		60.00 2.362	251.00 9.882		PARTS NOT SOLD SEPARATELY SLIP & YOKE SHAFT ASSEMBLY
5-83-338 SLIP ASSEMBLY		68.00 2.677	338.00 13.307		5-3-288KX + 5-82-A661 SLIP & YOKE SHAFT ASSEMBLY

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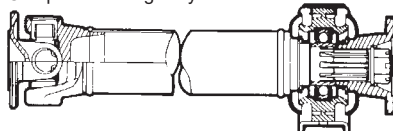
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HARDY SPICER 1610

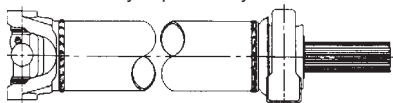
Shaft Assembly End Yoke Style



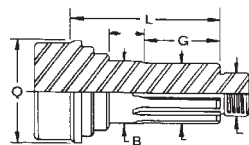
Companion Flange Style



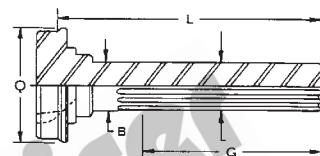
Shaft Assembly Slip Yoke Style



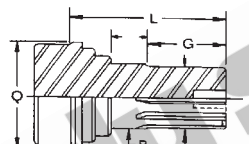
Midship Stubs



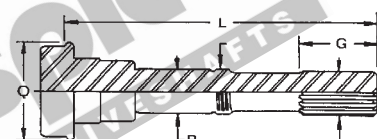
Style 1



Style 3



Style 2

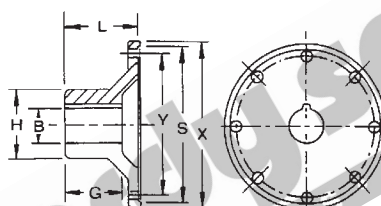


Style 4

1610

MIDSHIP 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

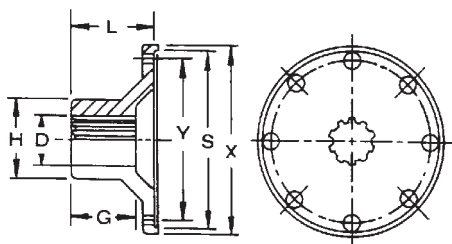
COMPANION FLANGE

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	139.70 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
DIN-1-150812	20.00 0.787	110.30 4.343	75.00 2.953	150.00 5.906		12.1 x 8 0.476	130.00 5.118	M-90.00 M-3.543	150.00 5.906	EQUALLY SPACED

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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	38.10-10	70.00	69.00	57.00	12.1 x 8	130.0	M-90.00	150.00	EQUALLY SPACED	DIN150
	1.500	2.756	2.717	2.244	0.476	5.118	M-3.543	5.906		

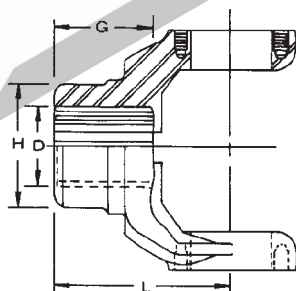


Fig 1

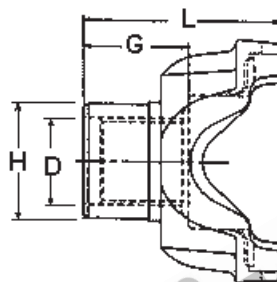


Fig 2

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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B1 = 154.78

6.09

E = 61.90

2.31

C = 49.21

1.93

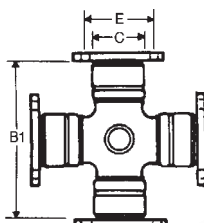


FIG. 1

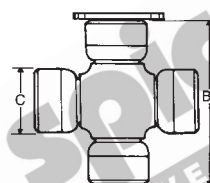


FIG. 2

1710

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-280X	SIDE	1	1710 SERIES UNIVERSAL JOINT
5-280XD	SIDE	1	1710 SERIES UNIVERSAL JOINT
5-280XR	SIDE	1	1710 SERIES UNIVERSAL JOINT
5-675X	SIDE	2	1710 SERIES UNIVERSAL JOINT TO HALF ROUND C/W STRAP KIT
5-675XR	SIDE	2	1710 SERIES UNIVERSAL JOINT TO HALF ROUND C/W STRAP KIT
5-675XD	SIDE	2	1710 SERIES UNIVERSAL JOINT TO HALF ROUND 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

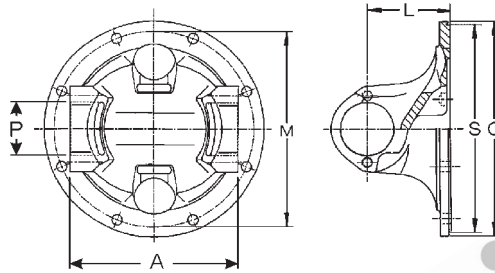
PART No.	LUBE	DESCRIPTION
K5-A696		CONVERSION 1710 - 8.5C SERIES

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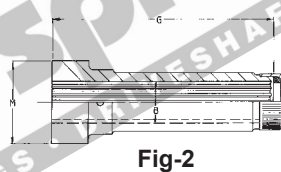
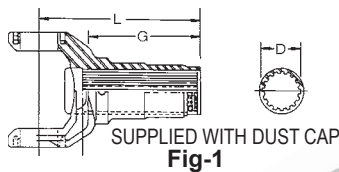
1710 HARDY SPICER

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	100.00 3.940	F-110.00 F-4.330	22	NIL	NIL	NIL	NIL	SEMI FINISHED 180mm O.D.
6-2-A2139 #	150.00 5.906	93.00 3.661	F-90.00 F-3.543		130.00 5.118	EQUALLY SPACED	8	12.10 0.476	METRIC DIN 150 x 8M12
6-2-A2149	165.00 6.496	98.00 3.858	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 NO LONGER AVAIL.
6-2-150KV	150.00 5.906	81.00 3.189	N/A	25	130.00 5.118	70.00 x 110.00	4	12.00 0.472	KV 150
6-2-180KV #	180.00 7.087	83.00 3.268	N/A	25	150.00 5.906	86.00 x 123.00	4	15.10 0.594	KV 180



1710 SLIP YOKE

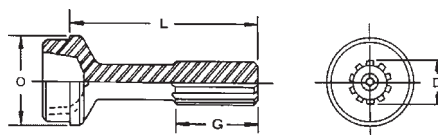
PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	DUST CAP KIT	COMMENTS
6-3-2671KX	1	63.50-16 2.500	243.59 9.594	200.03 7.875	22	SJS71A	STANDARD
6-3-2651KX	1	63.50-16 2.500	296.88 11.688	234.95 9.250	30	SJS71A	LONG
6-3-2551KX	1	63.50-16 2.500	323.06 12.719	241.30 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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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		
6-40-541	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

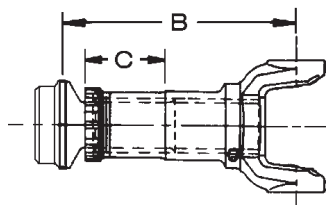


FIG 1

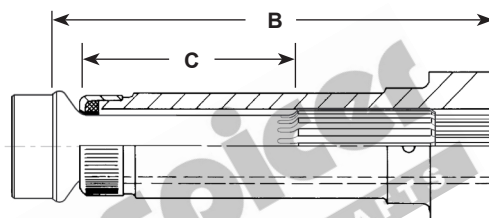


FIG 2

1710

SLIP / STUB ASSEMBLY

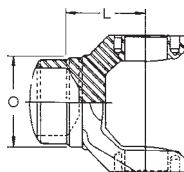
ASSEMBLY PART No.	FIG #	C/LINE TO POINT OF WELD CLOSED B	SLIP YOKE PART No.	MALE STUB PART No.	TOTAL SLIP	MAX ANGLE	COMMENTS
6-84-278	1	280.00 11.020	6-3-2671KX	6-40-541	98.60 3.880	21	
6-84-330	1	330.00 12.990	6-3-2651KX	6-40-521	133.40 5.250	29	
6-84-352	1	352.00 13.858	6-3-2551KX	6-40-521	133.40 5.250	45	
6-84-158521	2	340.00	6-55-A0158	6-40-521	133.40 5.250	-	

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1710 HARDY SPICER

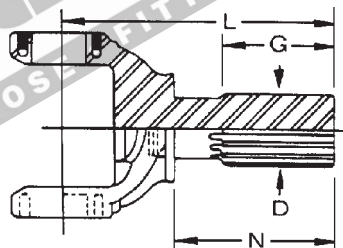
BUTT TYPE:
H=HOLLOW
S=SOLID



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

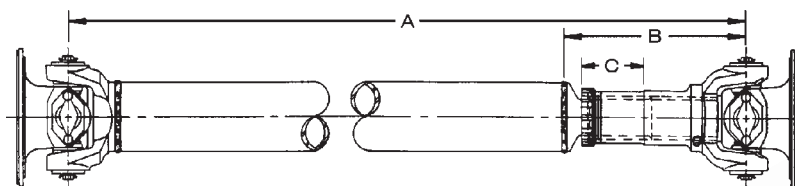
PART No.	SPLINE DIA. & No. D	LENGTH OF SPLINE G	C/LINE TO END OF SPLINE L	SHOULDER TO END OF SPLINE N	SPLINE TYPE	MAX. ANGLE	COMMENTS
6-82-341 INVOLUTE SPLINE	82.55-18 3.250	50.80 2.000	133.35 5.250	79.38 3.125	ST	8	
6-82-1251	63.50-16 2.500	76.20 3.000	207.17 8.156	137.32 5.406	HC	22.5	
6-82-1171-10	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	260.00 10.250	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	339.70 13.375	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	

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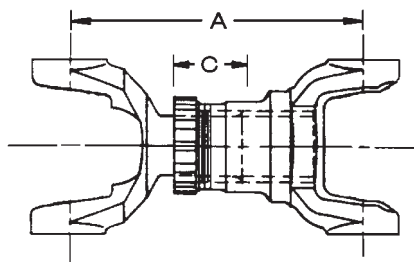


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TUBULAR TYPE ASSEMBLY CHART

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

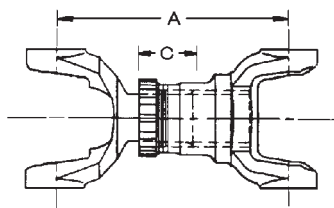
COMPLETE ASSEMBLY PART No.	C/LINE TO C/LINE CLOSED A	SLIP YOKE PART No.	MALE YOKE SHAFT PART No.	TOTAL SLIP C	MAX. ANGLE	COMMENTS
6-83-A011	168.20 6.620	6-3-1661KX	6-82-341	19.05 0.750	8	
6-83-402	402.00 15.827	6-3-2651KX	6-82-1061-15	133.40 5.250	30	YOKE SHAFT 339.7mm C-E
6-83-420	423.00 16.654	6-3-2551KX	6-82-1061-15	139.00 5.472	45	YOKE SHAFT 339.7mm C-E
6-83-437	437.00 17.205	6-3-2551KX	6-82-1061-1	139.00 5.472	45	YOKE SHAFT 356mm C-E
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

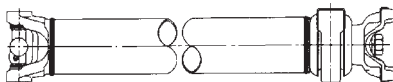
SLIP YOKE FEMALE PART No.	STUB YOKE MALE PART No.	TOTAL SLIP C	MIN. C/L TO C/L U.J.'s CLOSED A	MAX. ANGLE OF ASSY.	COMMENTS
6-3-1661KX	6-82-341	19.10 0.750	168.20 6.620	8	AVAILABLE WHILE STOCKS LAST USE COMPLETE ASSY NUMBER 6-83-A011
6-3-2671KX	6-82-1251	60.00 2.362	315.00 12.402		
6-3-2671KX	6-82-1171-10	60.00 2.362	335.00 13.189		
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	
6-3-2651KX	6-82-1091-4	133.35 5.250	403.35 15.880	24 / 29	
6-3-2651KX	6-82-1091-5	133.35 5.250	431.80 17.000	24 / 29	

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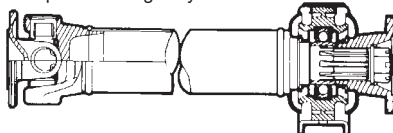
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HARDY SPICER 1710

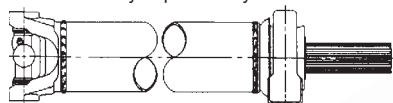
Shaft Assembly End Yoke Style



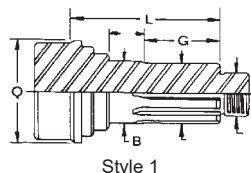
Companion Flange Style



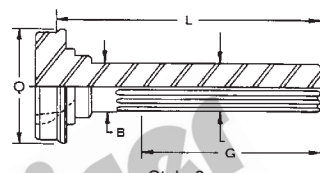
Shaft Assembly Slip Yoke Style



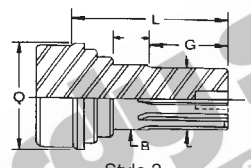
Midship Stubs



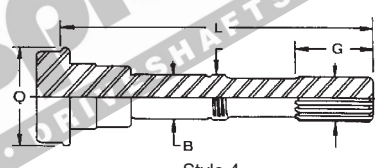
Style 1



Style 3



Style 2



Style 4

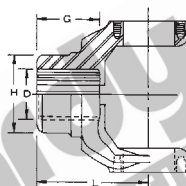
1710

MIDSHIP 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	59.69-16 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 or 5003323XB see Note 3	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
 Note 3 - 5003326XB Self Aligning Bearing with Solid Rubber

* Can also use 6-4-4601-1 Half Round Yoke
 □ Can also use 6-4-1981-1 Half Round Yoke
 ‡ Flanged Nut



1710

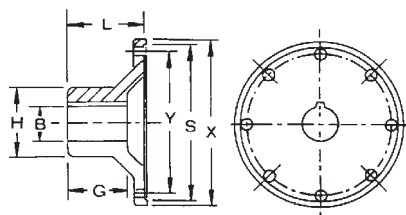
MIDSHIP END YOKES

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	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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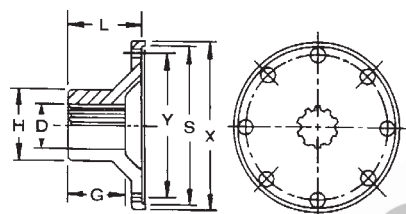
1710 HARDY SPICER



1710 COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA. B	HUB O.D. H	MAX. BORE STD KEY 4.500	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No. 9.53 x 8 0.375	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN
6-1-A2233	25.00 0.984	168.34 6.628	115.00	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
DIN-1-180814	30.00 1.181	130.50 5.138	90.00	170.00 6.693		14.1 x 8 0.555	155.50 6.122	M-110.00 M-4.331	180.00 7.087	EQUALLY SPACED



1710 COMPANION FLANGE

CIRCULAR TYPE - SPLINED HOLE

PART No.	SPLINE O.D. & No. D	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
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	203.20 8.000		SEMI FINISHED

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HARDY SPICER 1710

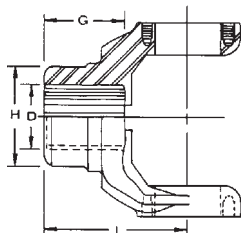


FIG 1
Full Round Style

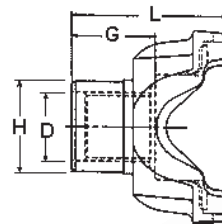


FIG 2
Half Round Style

1710

SPLINED END YOKES

FIG	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
1	6-4-2381	1.750"x10 44.45	2.750" 69.85	2.250" 57.15	4.880" 123.95	25		SLHD-SQHD
1	6-4-6331	1.770"x34 44.96	2.500" 63.50	2.250" 57.15	4.880" 123.95	28	231101 (6-4-5131X)	SP40-SL.SQ100
1	6-4-6321	1.770"x34 44.96	2.500" 63.50	2.250" 57.15	5.970" 151.64	45	231101	SLHP-SQHP
1	6-4-5111X	1.770"x34 44.96	2.500" 63.50	2.250" 57.15	5.970" 151.64	45	231101	SLHP-SQHP
1	6-4-6481	1.790"x34 45.47	2.630" 66.80	2.438" 61.93	5.440" 138.18	34		Late Eaton DS. DP. DT 340-40-401-402-451
1	6-4-6451	1.790"x34 45.47	2.630" 66.80	2.438" 61.93	6.310" 160.27	45		Late Eaton DS.SP.ST 340-40-401-402-451
1	6-4-3221	1.960"x10 49.78	2.750" 69.85	2.625" 66.68	5.250" 133.35	21	98-1362	SSHD Early
1	6-4-4361X	1.960"x10 49.78	2.750" 69.85	2.625" 66.68	5.250" 133.35	21	98-1362	SSHD Early
1	6-4-3291	1.960"x10 49.78	3.000" 76.20	2.250" 57.15	4.560" 115.82	20		International Diff
1	6-4-3241	2.000"x10 50.80	2.940" 74.68	2.562" 65.07	5.190" 131.83	25	98-1361 (6-4-4291X)	SLHD-SQHD
1	6-4-3001	2.000"x15 50.80	2.875" 73.03	2.500" 63.50	5.375" 136.53			Clark
1	6-4-5991	2.020"x39 51.31	2.630" 66.80	2.250" 57.15	5.250" 133.35	33	230909 (6-4-6001X)	Late Eaton DS.DP.DT 340-40-401-402-451
1	6-4-6011	2.020"x39 51.31	2.630" 66.80	2.250" 57.15	6.130" 155.70	45	230909 (6-4-6021X)	Late Eaton DS.DP.DT 340-40-401-402-451
2	6-4-8331-1X	2.020"x39 51.31	2.750" 69.85	2.438" 61.93	5.000" 127.00			
1	6-4-5521	2.020"x39 51.31	2.750" 69.85	2.438" 61.93	5.250" 133.35	33	231599	SSHD Late
1	6-4-6951X	2.020"x39 51.31	2.750" 69.85	2.438" 61.93	5.250" 133.35	33	231599	SSHD Late
1	6-4-5501	2.020"x39 51.31	2.750" 69.85	2.438" 61.93	6.500" 165.10	35	231359	SSHD Late
1	6-4-6871X	2.020"x39 51.31	2.750" 69.85	2.438" 61.93	6.500" 165.10	35	231359	SSHD Late
1	6-4-6401	2.020"x39 51.31	3.000" 76.20	2.327" 59.11	5.160" 131.06	33	DEFR59-2 (6-4-6411X)	SP40-SL.SQ100 4.880" Slinger
1	6-4-6421X	2.020"x39 51.31	3.000" 76.20	2.327" 59.11	5.160" 131.06	33	DEFR59-1	SP40-SL.SQ100 6.000" Slinger
1	6-4-6371	2.020"x39 51.31	3.000" 76.20	2.312" 58.72	6.250" 158.75	43.5	231102 (6-4-6381X)	RT140-145-RT380
1	6-4-6391X	2.020"x39 51.31	3.000" 76.20	2.312" 58.72	6.250" 158.75	43.5	231359	RT140-145-RT380
2	6-4-6391-1X	2.020"x39 51.31	3.000" 76.20	2.312" 58.72	6.250" 158.75	43.5	231359	RT140-145-RT380

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Note: "X" at the end of the part number denotes that the yoke includes the slinger

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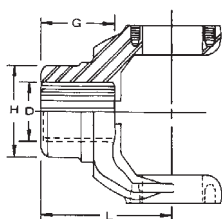


FIG 1
Full Round Style

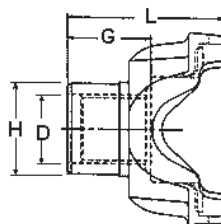


FIG 2
Half Round Style

1710 SPLINED END YOKES cont.

FIG	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
1	6-4-7551	2.140"x41 54.36	2.940" 74.68	2.500" 63.50	6.130" 155.70	42	232604 (6-4-9181X)	Eaton DS.DP 461-651
1	6-4-7561X	2.140"x41 54.36	2.940" 74.68	2.500" 63.50	6.130" 155.70	42	231028	Eaton DS.DP 461-651
1	6-4-7541	2.140"x41 54.36	2.940" 74.68	3.000" 76.20	6.630" 168.40	42	232609 (6-4-9191X)	Eaton DS.DP 461-651
1	6-4-7651X	2.140"x41 54.36	2.940" 74.68	3.000" 76.20	6.630" 168.40	42	231028	Eaton DS.DP 461-651
2	6-4-8561-1	2.178"x43 57.15	3.539" 89.89	2.047" 51.99	4.690" 119.13			
2	6-4-9221-1	2.178"x43 57.15	3.539" 89.89	2.047" 51.99	4.875" 123.83			
1	6-4-1991	2.250"x10 57.15	3.000" 76.20	3.000" 76.20	6.060" 153.92	24	230921 (6-4-4411X)	SSHD Early
1	6-4-8461	2.270"x44 57.66	2.940" 74.68	2.500" 63.50	5.190" 131.83	27	231022 (6-4-6041X)	Late Eaton DS.DP.DT 340-40-401-402-451
1	6-4-5711	2.360"x36 59.94	3.000" 76.20	2.688" 68.28	5.440" 138.17	22	231750 (6-4-7191X)	International Diff
1	6-4-7161	2.370"x46 60.20	3.250" 82.55	2.328" 59.13	5.390" 136.91	29	231803	RT145-RT160
1	6-4-7181X	2.370"x46 60.20	3.250" 82.55	2.328" 59.13	5.390" 136.91	29	231803	RT145-RT160
2	6-4-7181-1X	2.370"x46 60.20	3.250" 82.55	2.328" 59.13	5.390" 136.91	29	231803	RT145-RT160
1	6-4-5451	2.370"x46 60.20	3.250" 82.55	2.625" 66.68	5.690" 144.53	22	231179 (6-4-5461X)	SSHD Late
1	6-4-6961X	2.370"x46 60.20	3.250" 82.55	2.875" 73.03	5.940" 150.88	26	231615	
1	6-4-7761	2.370"x46 60.20	3.250" 82.55	2.344" 59.54	6.500" 165.10	45	231803	RT145-160
1	6-4-7771X	2.370"x46 60.20	3.250" 82.55	2.344" 59.54	6.500" 165.10	45	231803	RT145-160
2	6-4-4771-1	2.390"x46 60.71	3.500" 88.90	3.375" 85.73	5.750" 146.05	16		
1	6-4-6611	2.500"x10 63.50	3.750" 95.25	3.000" 76.20	5.620" 142.75	30	231616	Roadranger RT613,RT6613, RT910,915,9513
2	6-4-6611-1	2.500"x10 63.50	3.750" 95.25	3.000" 76.20	5.620" 142.75	30	231616	Roadranger RT613,RT6613, RT910,915,9513
1	6-4-6921X	2.500"x10 63.50	3.750" 95.25	3.000" 76.20	5.620" 142.75	30	231616	Roadranger RT613,RT6613, RT910,915,9513
1	6-4-7071X #	2.640"x20 67.06	3.750" 95.25	2.750" 69.85	5.190" 131.83	21	231745	
1	6-4-4551	2.750"x10 69.85	3.500" 88.90	3.000" 76.20	5.750" 146.05	22	230674 (6-4-5251X)	Roadranger RT12 & 14 series with 3.500" seal/hub diameter
1	6-4-6821	2.750"x10 69.85	3.750" 95.25	3.000" 76.20	5.750" 146.05	22	231616	Roadranger RT14613,14615 14715,15615,15613,16718B 16609,16613,16618,18718B various others with 3.750" seal
1	6-4-6931X	2.750"x10 69.85	3.750" 95.25	3.000" 76.20	5.750" 146.05	22	231616	Roadranger RT14613,14615 14715,15615,15613,16718B 16609,16613,16618,18718B various others with 3.750" seal

Note: "X" at the end of the part number denotes that the yoke includes the slinger.

INDENT ITEM

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B1 = 177.80

7.00

E = 61.90

2.31

C = 49.21

1.93

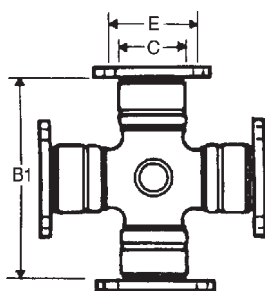


FIG. 1

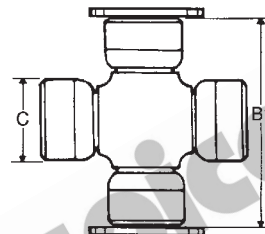


FIG. 2

1760

UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-407X	SIDE	1	1760 SERIES UNIVERSAL JOINT
5-407XD	SIDE	1	1760 SERIES UNIVERSAL JOINT
5-677XD	SIDE	2	1760 SERIES UNIVERSAL JOINT TO HALF ROUND C/W STRAP KIT

LOCK TABS AVAILABLE SEPARATELY. PART NUMBER 94-A339

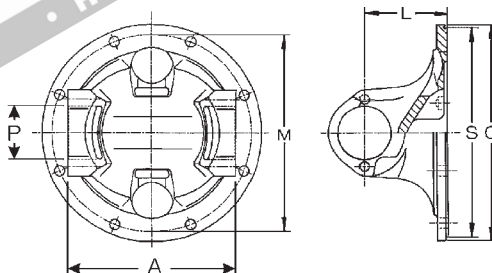
STRAP KITS AVAILABLE SEPARATELY. PART NUMBER 6-5-70-18X

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

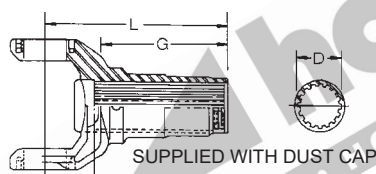


Fig 1

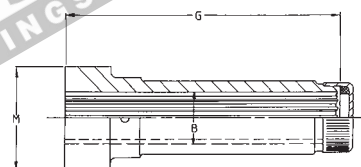


Fig 2

1760

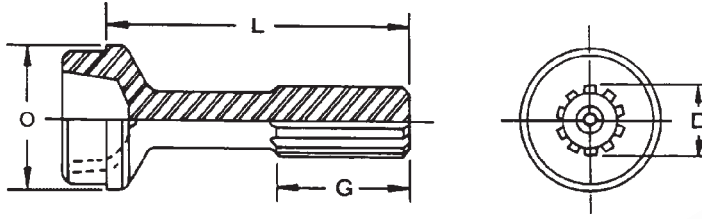
SLIP YOKE

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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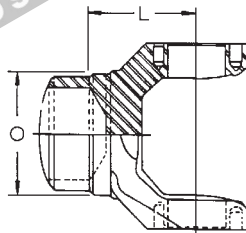
1760 HARDY SPICER



1760 STUB

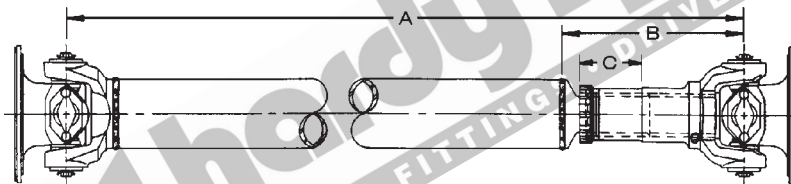
SPLINE TYPE:					BUTT TYPE:			
HC = HARDY COATED ST = STEEL					H = HOLLOW S = SOLID			
PART No.	SPLINE DIA. & No.	SPLINE TYPE	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	BUTT TYPE	TUBE O.D. & THICKNESS	TUBE PART No.	COMMENTS
	D		G	L		O		
6-40-541	63.50-16 2.500	HC	101.60 4.000	235.00 9.250	S	103.9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

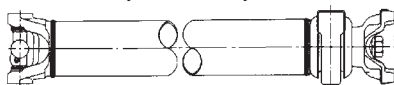
MINIMUM TUBE LENGTH = 58.7mm (2.31")							
SLIP YOKE FEMALE PART No.	STUB MALE PART No.	C/LINE TO POINT OF WELD CLOSED B	TOTAL SLIP C	CLOSED LENGTH C/L TO C/L U.J.'s A	WELD YOKE	MAX. ANGLE OF ASSY.	TUBE PART No. & SIZE
6-3-3-41KX	6-40-541	275.00 10.830	98.60 3.880	411.00 16.100	6-3-28-17	30	3207-0000 4.090 x 0.180

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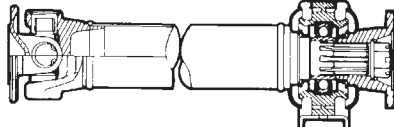
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HARDY SPICER 1760

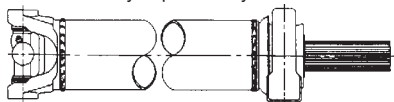
Shaft Assembly End Yoke Style



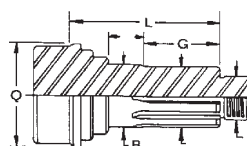
Companion Flange Style



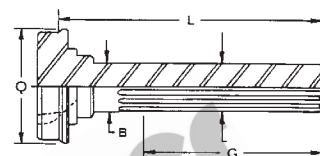
Shaft Assembly Slip Yoke Style



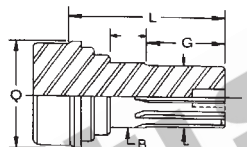
Midship Stubs



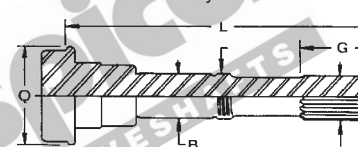
Style 1



Style 3



Style 2



Style 4

1760

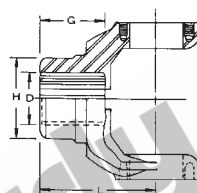
MIDSHIP ASSEMBLY

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 1 5003323XB see Note 2	6-3-4-161 END YOKE	& NUT 231502, WASHER 510-27 CAN USE 20-74-91‡

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

Note 2 - 5003326XB Self Aligning Bearing with Solid Rubber for Heavy Duty applications.

‡ Flanged nut



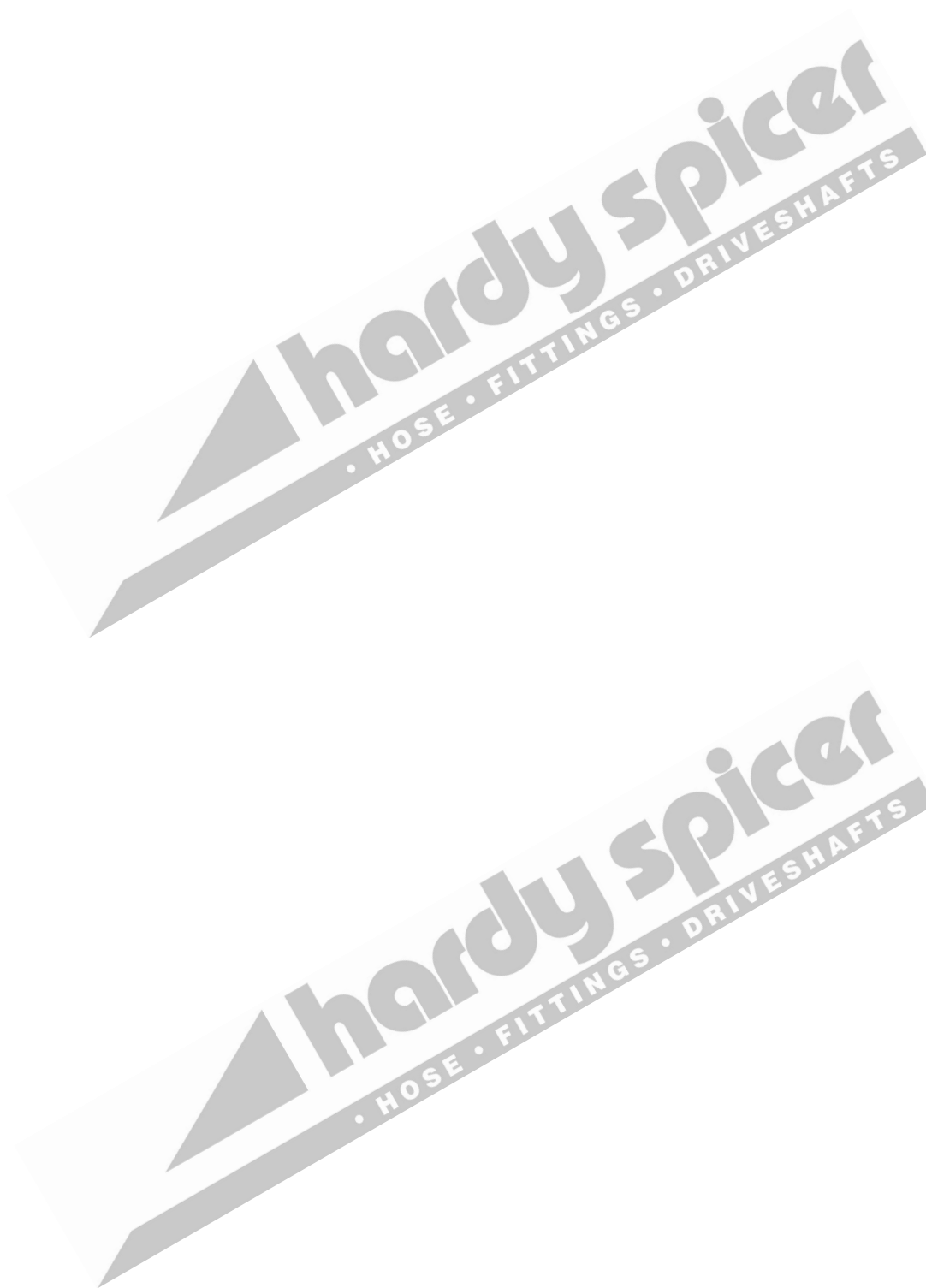
1760

END YOKE

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	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	

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1760 HARDY SPICER


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HARDY SPICER 1800

REPLACEMENT PARTS ONLY FOR COMPLETE ASSEMBLIES USE 1810 SERIES

B1 = 167.49

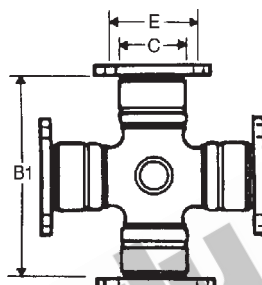
6.59

E = 71.44

2.81

C = 59.00

2.32



1800

UNIVERSAL JOINT KIT

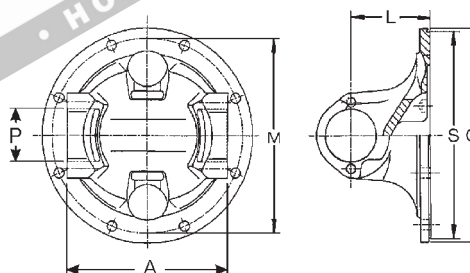
PART No.	LUBE	DESCRIPTION
5-124X	SIDE	1800 SERIES UNIVERSAL JOINT

A - 167.49

6.59

P - 58.74

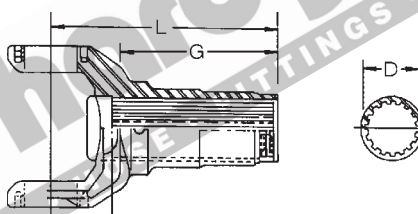
2.31



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
6-5-2-GB79	C 203.20 8.000	L 85.73 3.375	S M-196.85 M-7.750	25	M 184.15 7.250	4 x GROUPS OF THREE	12	11.13 0.438	STANDARD



SUPPLIED WITH DUST CAP

1800

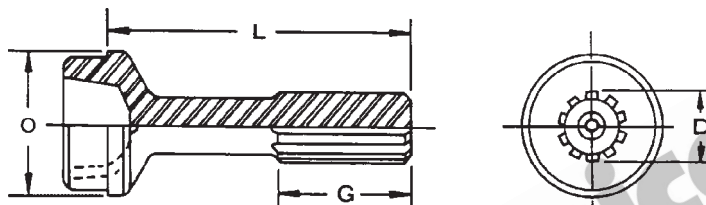
SLIP YOKE

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

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1800 HARDY SPICER

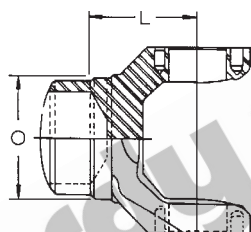


1800

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

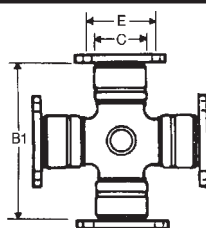


FIG. 1

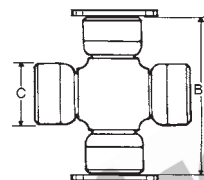


FIG. 2

1810 UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-281X	SIDE	1	1810 SERIES UNIVERSAL JOINT
5-281XD	SIDE	1	1810 SERIES UNIVERSAL JOINT
5-281XR	SIDE	1	1810 SERIES UNIVERSAL JOINT
5-676X	SIDE	2	1810 SERIES UNIVERSAL JOINT TO HALF ROUND C/W STRAP KIT
5-676XD	SIDE	2	1810 SERIES UNIVERSAL JOINT TO HALF ROUND C/W STRAP KIT
5-676XR	SIDE	2	1810 SERIES UNIVERSAL JOINT TO HALF ROUND C/W STRAP KIT

LOCK TABS AVAILABLE SEPARATELY. PART NUMBER 94-A339

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

1810 CONVERSION UNIVERSAL JOINT KITS

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

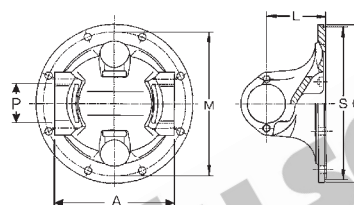
PART No.	LUBE	DESCRIPTION
5-324X		CONVERSION 1810 - 9C SERIES
5-324XD		PREMIUM BRAND 1810 - 9C CONVERSION

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			150.00 5.905	122.9 x 86.0 4.838 x 3.386	4	15.10 0.594	Ø180mm KV 70°

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INDENT ITEM

1810 HARDY SPICER

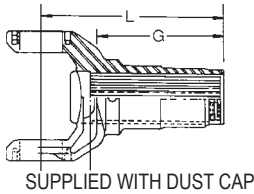


Fig-1

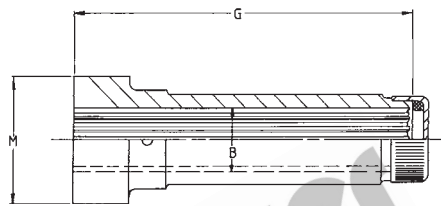
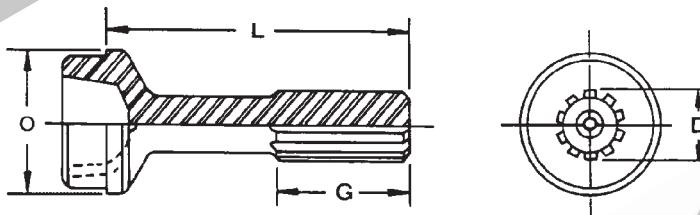


Fig-2

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	82.55-18 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



1810 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		
6-5-40-201	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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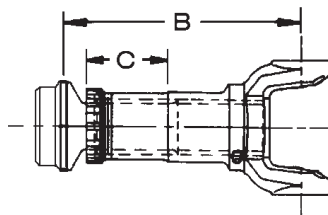
INDENT ITEM

B:2-102

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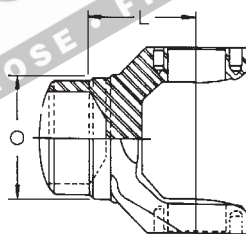


1810

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



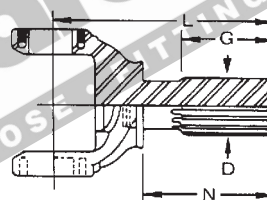
1810

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

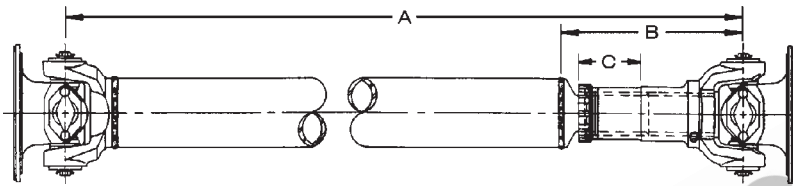
STUB YOKE

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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1810 HARDY SPICER

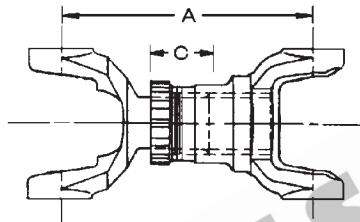


1810 TUBULAR TYPE ASSEMBLY CHART

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.

INDENT ITEM

B:2-104

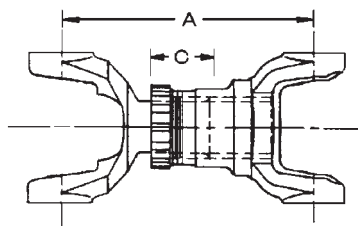
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HARDY SPICER 1810



1810

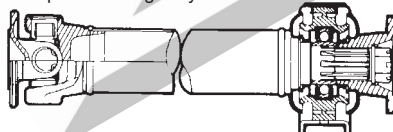
SHORT COUPLED ASSEMBLY CHART

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. 12	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)

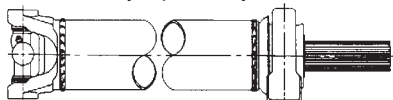
Shaft Assembly End Yoke Style



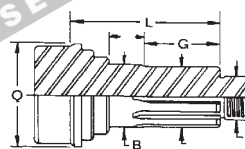
Companion Flange Style



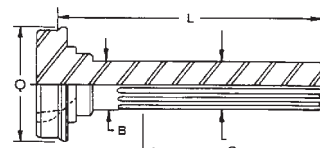
Shaft Assembly Slip Yoke Style



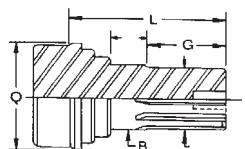
Midship Stubs



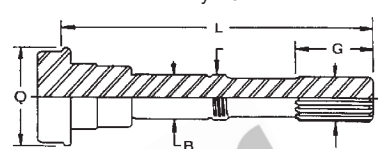
Style 1



Style 3



Style 2



Style 4

1810

MIDSHIP 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 5003323XB Self aligning bearing	6-5-4-1891* END YOKE 6-5-1-1811 C/FLANGE 6-1-A2221 C/FLANGE	& NUT 231502, WASHER 510-27 CAN USE 20-74-91‡ 1810 FACE 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				
18N-53-171	1	59.69-46 2.350	66.68 2.625	135.00 5.315	3610-0000 4.500 x 0.134	60.00 2.362	5003323XB Self aligning bearing	6-5-4-3591 # END YOKE 250-1-15 KV C/FLANGE 180mm	& 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 or 5003326XB (Solid Self Aligning Bearing) 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

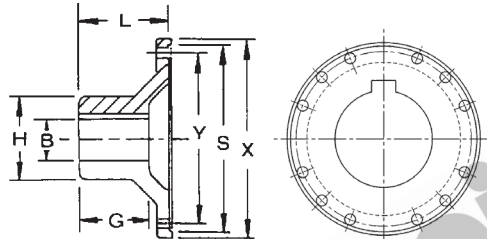
¥ 9C Mack Yoke 9C-4-3647 NLA to replace recommend use 6-5-4-2131-1 and 5-676X

‡ Flanged Nut

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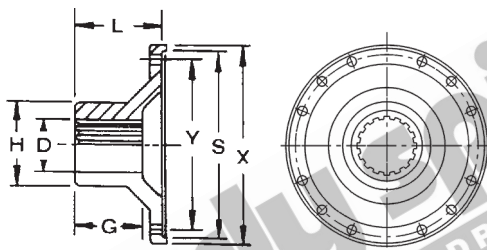
1810 HARDY SPICER



1810 COMPANION FLANGE

CIRCULAR TYPE - ROUND HOLE

PART No.	HOLE DIA. B	HUB O.D. H	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
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°
DIN-1-180814	30.00 1.181	130.50 5.138	90.00 3.543	170.00 6.693		14.1 x 8 0.555	155.50 6.122	M-110.00 M-4.331	180.00 7.087	EQUALLY SPACED
DIN-1-1801016	30.00 1.181	130.50 5.138	90.00 3.543	170.00 6.693		16.1 x 10 0.634	155.50 6.122	M-110.00 M-4.331	180.00 7.087	EQUALLY SPACED



1810 COMPANION FLANGE

CIRCULAR TYPE - SPLINED HOLE

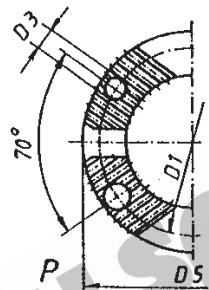
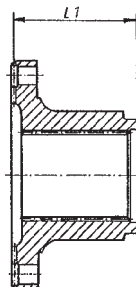
PART No.	SPLINE O.D. & No. D	HUB O.D. H	FLANGE FACE TO END OF HUB L	LENGTH THRU HOLE G	BOLT HOLE DIA. & No.	P.C.D. Y	SPIGOT DIA. S	FLANGE O.D. X	BOLT HOLE PATTERN	NOTES
6-5-1-1811	59.54-16 2.344	73.03 2.875	0.0 0.000	69.85 2.750	11.2x12 0.441	184.15 7.250	F-196.85 F-7.750	203.20 8.000	4 GROUPS OF THREE	1810 MIDSHIP
6-1-A2221	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
587-42-1-3201KV	2.374 - 46 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
250-1-15	2.390 - 46 60.71	N/A N/A	2.750 69.85	3.500 88.90	7.087 180.00	0.594 x 4 15.1	SUITS 18N-53-171 & 250-53-11 MIDSHIP STUB
587-42-1-1361KV	2.503 - 19 63.58	3.500 88.90	3.780 96.00	5.378 136.60	7.087 180.00	0.594 x 4 15.1	
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	4.134 105.00	7.087 180.00	0.594 x 4 15.1	Eaton / Spicer RT14-15-16-18-20 Series
587-42-1-PBKV	SOLID	5.039 128.00	3.400 86.36	6.319 160.50	7.087 180.00	0.594 x 4 15.1	SOLID HUB FLANGE

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1810 HARDY SPICER

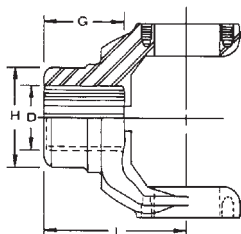


Fig 1

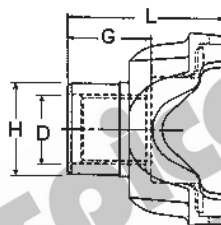


Fig 2

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

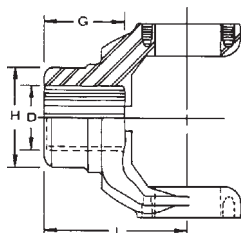


FIG 1
Full Round Style

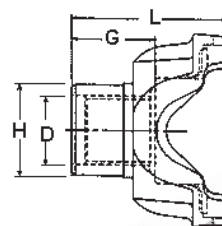


FIG 2
Half Round Style

1810

SPLINED END YOKES

FIG	PART No.	SPLINE O.D. & No.	GROUND HUB O.D.	LENGTH THROUGH HUB G	C/L TO END L	JOINT ANGLE	SLINGER PART No. / YOKE INCL SLINGER	COMMENTS / APPLICATION
		D	H					
1	6-5-4-2341X	2.000"x10 50.80	2.938" 74.63	2.562" 65.07	5.375" 136.53	30	98-1361	
1	6-5-4-3261	2.024"x39 51.31	2.750" 69.85	2.000" 50.80	5.190" 131.83	30	232042-2 (6-5-4-4281X)	Mack Diff
2	6-5-4-4281-1X	2.024"x39 51.31	2.750" 69.85	2.000" 50.80	5.190" 131.83	30	232042-2	Mack Diff
1	6-5-4-2781	2.024"x39 51.31	2.750" 69.85	2.438" 61.93	5.531" 140.49	30	231599 (6-5-4-3571X)	
1	6-5-4-3371	2.024"x39 51.31	3.000" 76.20	2.312" 58.72	5.190" 131.83	30	231047 (6-5-4-3381X)	RT140 RT160-185
1	6-5-4-3381X	2.024"x39 51.31	3.000" 76.20	2.312" 58.72	5.190" 131.83	30	231047	RT140 RT160-185
2	6-5-4-3371-1	2.024"x39 51.31	3.000" 76.20	2.312" 58.72	5.190" 131.83	30	231047 (6-5-4-3381-1X) 232028 (6-5-4-4191-1X)	
1	6-5-4-2491X	2.024"x39 51.31	3.000" 76.20	2.438" 61.93	5.190" 131.83	30		
1	6-5-4-4601X	2.143"x41 54.43	2.938" 74.62	2.500" 63.50	5.250" 133.35			
1	6-5-4-2451X	2.149"x16 54.58	2.938" 74.62	2.500" 63.50	5.219" 132.56			
1	6-5-4-4321	2.274"x44 57.65	2.938" 74.62	2.500" 63.50	5.250" 133.35	30	231022 (6-5-4-3281X) 232168 (6-5-4-4351X)	Late Eaton DS-DP-DT 340-40 401-402-451
1	6-5-4-2711X	2.374"x46 60.20	3.250" 82.55	2.625" 66.68	5.438" 138.13	30	231179	SSHD Late
1	6-5-4-3201	2.374"x46 60.20	3.250" 82.55	2.875" 77.03	5.690" 144.53	30	231179 231615 (6-5-4-3581X)	RT180-185-380
1	6-5-4-3221X	2.374"x46 60.20	3.250" 82.55	2.875" 77.03	5.690" 144.53	30	231179	RT180-185-380
2	6-5-4-3201-1	2.374"x46 60.20	3.250" 82.55	2.875" 77.03	5.690" 144.53	30		RS, RT180-185
1	6-5-4-3251	2.374"x46 60.20	3.500" 88.90	2.500" 63.50	5.406" 137.31	30	232042-10 (6-5-4-3271X)	Various
1	6-5-4-3441	2.374"x46 60.20	3.750" 95.25	2.406" 61.11	5.219" 132.56	30		NO LONGER AVAILABLE
2	6-5-4-4011-1X	2.374"x46 60.20	3.750" 95.25	2.406" 61.11	5.219" 132.56	30		
1	6-5-4-3721	2.390"x46 60.20	3.250" 82.55	2.312" 58.72	5.156" 130.96	30	231803 (6-5-4-3731X)	RT145-160
2	6-5-4-3721-1	2.390"x46 60.20	3.250" 82.55	2.312" 58.72	5.156" 130.96	30	231803 211831X (6-5-4-4551-1X)	RT140-160

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Note: "X" at the end of the part number denotes that the yoke includes the slinger.

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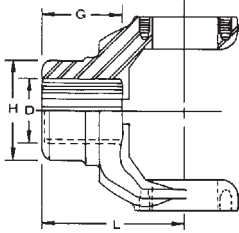


FIG 1
Full Round Style

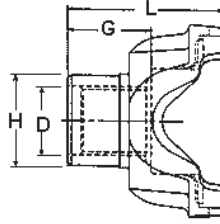


FIG 2
Half Round Style

1810 SPLINED END YOKES cont.

FIG	PART No.	SPLINE O.D. & No.	GROUND HUB O.D.	LENGTH THROUGH HUB	C/L TO END	JOINT ANGLE	SLINGER PART No. / YOKE INCL SLINGER	COMMENTS / APPLICATION
		D	H	G	L			
2	6-5-4-3731-1X	2.390"x46 60.20	3.250" 82.55	2.312" 58.72	5.156" 130.96	30	231803	RT140-160
1	6-5-4-3911	2.390"x46 60.71	3.375" 85.73	3.188" 80.97	6.000" 152.40	30	231013 232610 (6-5-4-4611X)	Eaton DS,DP 461-651
1	6-5-4-3921X	2.390"x46 60.71	3.375" 85.73	3.188" 80.97	6.000" 152.40	30	231013	Eaton DS,DP 461-651
2	6-5-4-3921-1X	2.390"x46 60.71	3.375" 85.73	3.188" 80.97	6.000" 152.40	30	231013	Eaton DS,DP 461-651
1	6-5-4-2921	2.450"x47 62.23	3.625" 92.07	2.500" 63.50	5.312" 134.92	30		
1	6-5-4-2101	2.500"x10 63.50	3.500" 88.90	2.406" 61.11	5.406" 137.31	30	232042-11 (6-5-4-4291X)	Various Mack
1	6-5-4-3451	2.500"x10 63.50	3.750" 95.25	3.000" 76.20	5.875" 149.23	30	231616	RT613-6613 RT910-915-9513 and other various models
1	6-5-4-3551X	2.500"x10 63.50	3.750" 95.25	3.000" 76.20	5.875" 149.23	30	231616	RT613-6613 RT910-915-9513 and other various models
1	6-5-4-5101	2.544"x49 64.62	3.819" 97.00	2.677" 68.00	5.740" 145.80			
1	6-5-4-3361	2.560"x20 65.02	3.500" 88.90	3.344" 84.94	6.125" 155.58			
1	6-5-4-2181	2.631"x25 66.80	3.625" 92.07	3.000" 76.20	5.781" 146.83	30		SPL Clark
1	6-5-4-3021	2.635"x20 66.93	3.750" 95.25	2.750" 69.85	5.562" 141.27	30	231745 (6-5-4-3541X)	Has 3.000" step diameter for speedo gear
2	6-5-4-3021-1	2.635"x20 66.93	3.750" 95.25	2.750" 69.85	5.562" 141.27	30	231745 (6-5-4-3541-1X)	Has 3.000" step diameter for speedo gear
1	6-5-4-1901	2.750"x10 69.85	3.500" 88.90	3.000" 76.20	6.062" 153.97	30	230674	RT12 Series with 3.500" seal
1	6-5-4-3491	2.750"x10 69.85	3.750" 95.25	3.000" 76.20	6.062" 153.97	30	231616 (6-5-4-3561X)	RT14613-14615-14715-15613- 14615-16718B-16609-16613- 16618-18718B and various other models with 3.750" seal
2	6-5-4-3491-1	2.750"x10 69.85	3.750" 95.25	3.000" 76.20	6.062" 153.97	30	231616 (6-5-4-3561-1X)	RT14613-14615-14715-15613- 14615-16718B-16609-16613- 16618-18718B and various other models with 3.750" seal
1	6-5-4-2171	2.750"x10 69.85	4.000" 101.60	3.938" 74.63	6.000" 152.40			Hub machined for speedo gear
2	6-5-4-2171-1	2.750"x10 69.85	4.000" 101.60	3.938" 74.63	6.000" 152.40			Hub machined for speedo gear
1	6-5-4-4631	2.794"x54 70.97	-	2.750" 69.85	5.625" 142.88			RT14-15-16-18-20 Series
2	6-5-4-4631-1	2.794"x54 70.97	-	2.750" 69.85	5.625" 142.88			RT14-15-16-18-20 Series

Note: "X" at the end of the part number denotes that the yoke includes the slinger.
INDENT ITEM

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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

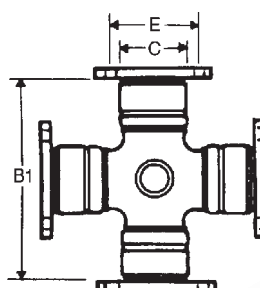


FIG. 1

1880 UNIVERSAL JOINT KIT

PART No.	LUBE	FIGURE	DESCRIPTION
5-308X	SIDE	1	1880 SERIES UNIVERSAL JOINT
5-308XD	SIDE	1	1880 SERIES UNIVERSAL JOINT

1880 OTHER UNIVERSAL JOINT KIT

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

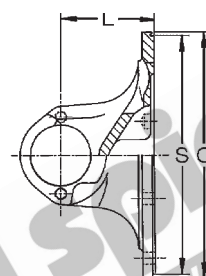
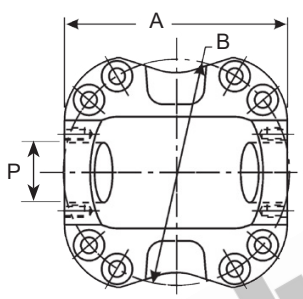
PART No.	LUBE	DESCRIPTION
5-326X		CONVERSION 1880 - 9C SERIES
5-327X		CONVERSION 1880 - 9C SERIES

A - 205.58

8.09

P - 55.56

2.19



1880 FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE L	SPIGIT DIA. M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA.	DESCRIPTION
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
8-2-119 #	247.65 9.750	63.50 2.500	M-177.80 M-7.000	8	209.55 8.250	4 x GROUPS OF TWO	8	15.88 0.625	SHORT COUPLED

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1880 HARDY SPICER

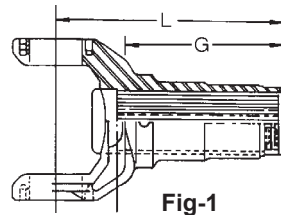
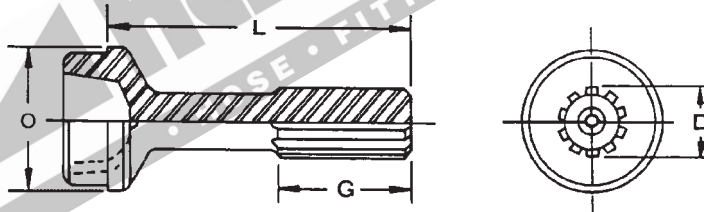


Fig-1

SUPPLIED WITH DUST CAP

1880 SLIP YOKE

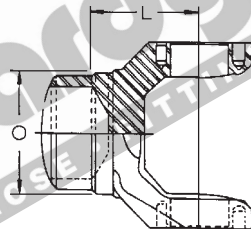
PART No.	FIG	SPLINE O.D. & No. SPLINE D	C/LINE TO END OF L	LENGTH OF SPLINE G	JOINT ANGLE	COMMENTS
8-3-411KX	1	76.20-16 3.000	296.06 11.656	244.35 9.620	22	
8-3-431KX #	1	103.90-24 4.156	127.78 5.031	83.34 3.281	8	SHORT COUPLED



1880 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
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	

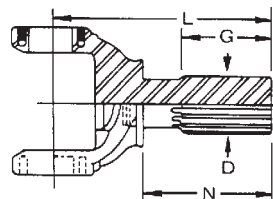
INDENT ITEM

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HARDY SPICER 1880

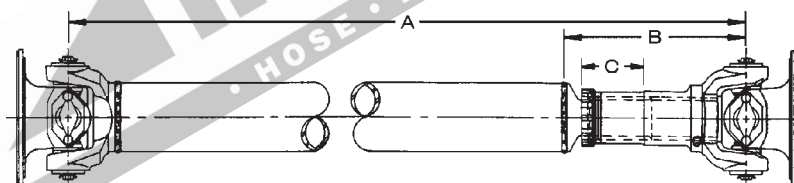
SPLINE TYPE:
HC=HARDY COAT
ST=STEEL



1880

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			
8-82-171-1 # INVOLUTE	105.56-24 4.156	66.68 2.625	183.36 7.219	105.56 4.156	ST	8	

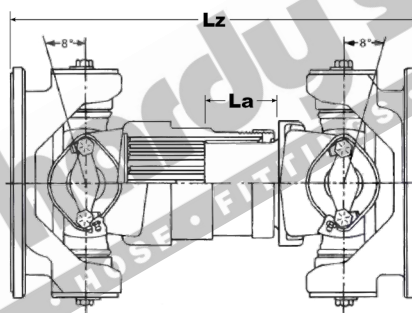


1880

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



1880

SHORT COUPLED ASSEMBLY CHART

COMPLETE ASSEMBLY PART No.	LENGTH F-F CLOSED Lz	SLIP YOKE PART No.	MALE YOKE SHAFT PART No.	FLANGE PART No.	TOTAL SLIP La	ANGLE	U/JOINTS
1880-SCA-346	346.00 13.622	8-3-431KX	8-82-171-1	8-2-119	25.40 1.000	8	5-308XD

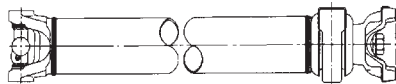
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Document No:	HSDSCAT
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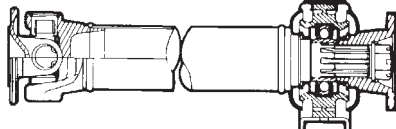
INDENT ITEM

1880 HARDY SPICER

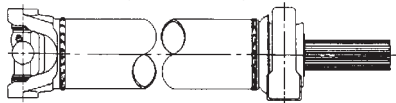
Shaft Assembly End Yoke Style



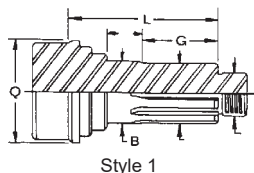
Companion Flange Style



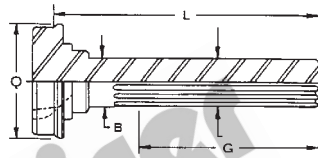
Shaft Assembly Slip Yoke Style



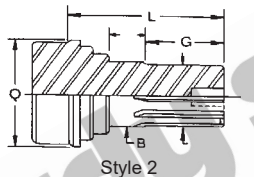
Midship Stubs



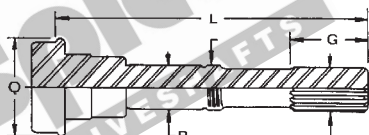
Style 1



Style 3



Style 2



Style 4

1880

MIDSHIP 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
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

INDENT ITEM

B:2-114

Hardy Spicer Driveshaft Components Catalogue

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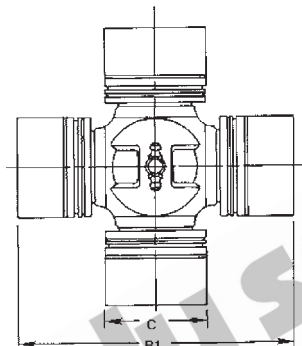
HARDY SPICER SPL90/100

C = 41.28

1.625

B1 = 125.91

4.957



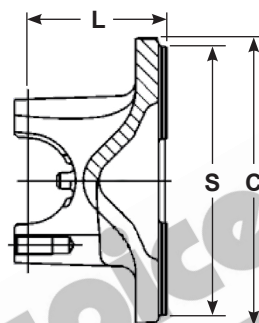
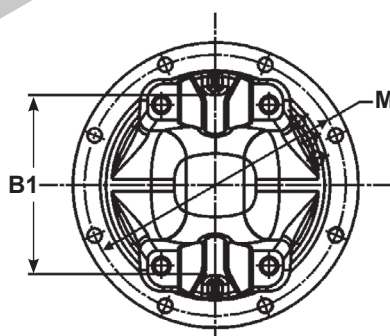
SPL90/100

UNIVERSAL JOINT KIT

PART No.	LUBE	DESCRIPTION
K5-A782	CENTRE	STANDARD FOR QUICK DISCONNECT END YOKES (STRAP KIT PART # 170-70-18X)

B1 - 125.91

4.957



SPL90/100

FLANGE YOKE

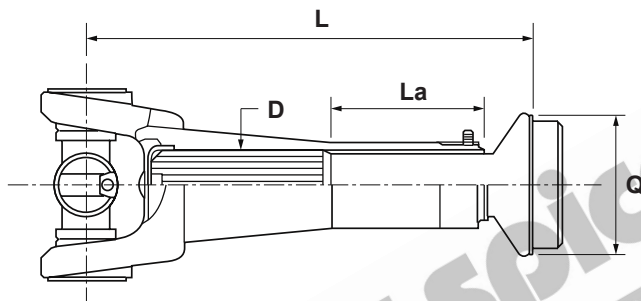
PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE	MAX. STATIC ANGLE	P.C.D.	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
	C	L	S		M				
90-2-69-1 #	203.20 8.000	69.85 2.750	M-196.85 M-7.750		184.15 7.250	EQUALLY SPACED	8	9.53 0.375	1710 FACE

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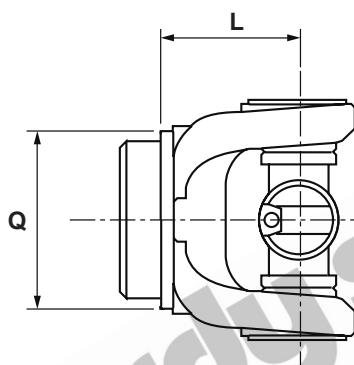
INDENT ITEM

SPL90/100 HARDY SPICER



SPL90/100 SLIP JOINT ASSEMBLY

PART No.	SPLINE DIA. & No. D	U/JOINT PART No.	C/LINE TO POINT OF WELD L	TUBE OD & WALL THICKNESS Q	TOTAL SLIP La	MAX STATIC ANGLE	
SPL90HRS/ASSY	49.25-30 1.939	K5-A782	301.60 11.874	101.60 x 3.40 4.000 x 0.134	110.00 4.331	25°	U/JOINT INCLUDED



SPL90/100 FIXED JOINT ASSEMBLY

PART No.	U/JOINT PART No.	C/LINE TO POINT OF WELD L	TUBE OD & WALL THICKNESS Q	TUBE PART No.	MAX STATIC ANGLE	
SPL90HRF/JT #	K5-A782	75.40 2.953	101.60 x 3.40 4.000 x 0.134	3210-0000	25°	U/JOINT INCLUDED

INDENT ITEM

B:2-116

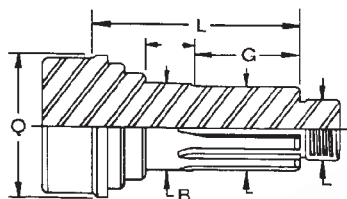
Hardy Spicer Driveshaft Components Catalogue

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HARDY SPICER SPL90/100

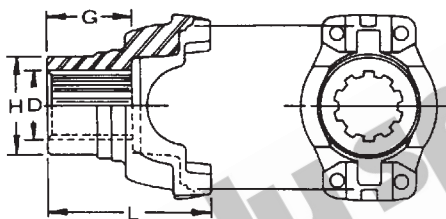


Style 1

SPL90/100

MIDSHIP STUB

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
90-53-11 #	1	44.45-34 1.750	50.80 2.000	132.56 4.219	3210-0000 4.000 x 0.134	45.00 1.771		90-4-11-1 END YOKE	INVOLUTE SPLINE



SPL90/100

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
90-4-11-1 #	45.47-34 INV 1.790	55.63 2.190	57.15 2.250	103.17 4.062		STRAP KIT TO SUIT 90-70-28X

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INDENT ITEM

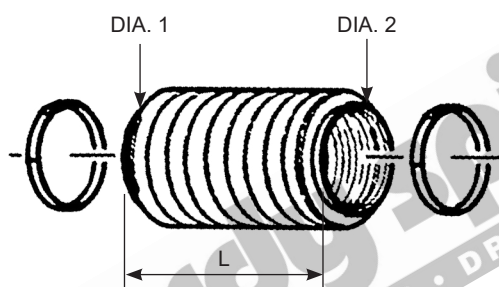
SPL90/100 HARDY SPICER



FIG 1.

SPL90/100 STRAP KITS AND FITTINGS

KIT PART No.	FIG	THREAD SIZE	C - C OF BOLTS	BOLT LENGTH	STRAP / PLATE PART No.	COMMENTS
90-70-28X	1	.375 - 24	58.72 2.312	19.05 0.750	90-70-19	2 STRAPS, 4 BOLTS



SPL90/100 BOOT KIT

BOOT KIT PART No.	DIA. 1	DIA. 2	LENGTH L	COMMENTS
5004946	81.00 3.189	74.19 2.921	120.98 4.763	USED ON SPL90 & 100 SHAFTS INCLUDES 2 x BOOT CLAMPS

INDENT ITEM

B:2-118

Hardy Spicer Driveshaft Components Catalogue

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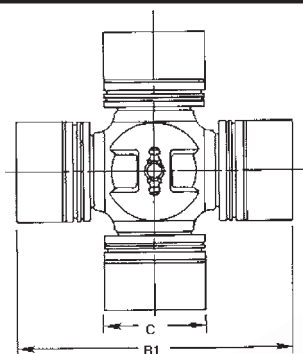
HARDY SPICER SPL170

C = 55.00

2.165

B1 = 164.00

6.457



SPL170

UNIVERSAL JOINT KIT

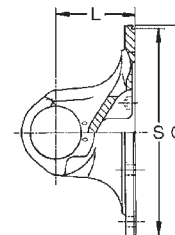
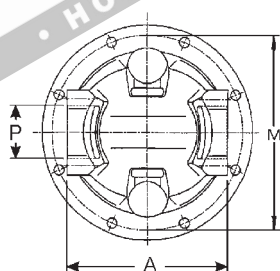
PART No.	LUBE	DESCRIPTION
SPL170X	CENTRE	STANDARD FOR QUICK DISCONNECT END YOKES (STRAP KIT PART # 170-70-18X)
SPL170XW	CENTRE	SPL170 ALTERNATIVE
SPL170-SF4X	NONE	SPL170 SERVICE FREE

A - 164.00

6.457

P - 55.00

2.165



SPL170

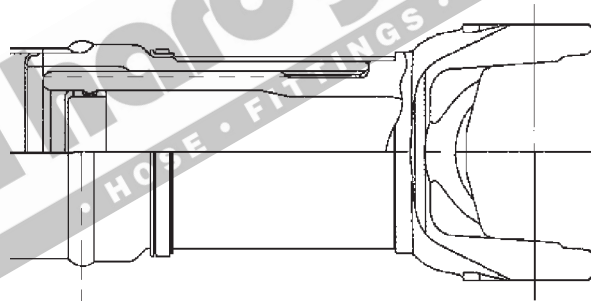
FLANGE YOKE

PART No.	FLANGE DIA.	C/L OF U.J. TO FACE	SPIGOT DIA M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA	DESCRIPTION
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

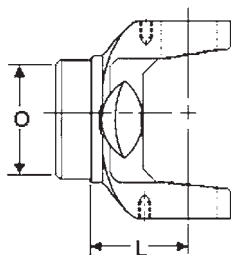
PART No.	SPLINE DIA. & No.	U/JOINT PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS	TOTAL SLIP	MAX ANGLE	COMMENTS
170SA151X	88.00-34 3.464	SPL170X	342.00 13.464	120.00 x 5.00 4.724 x 0.197	150.00 5.906	45°	

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SPL170 HARDY SPICER

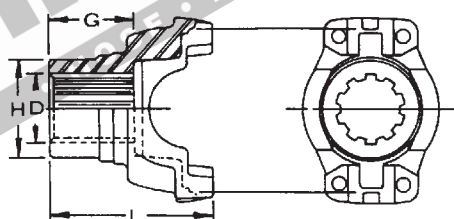
BUTT TYPE:
H=HOLLOW
S=SOLID



SPL170

WELD YOKE

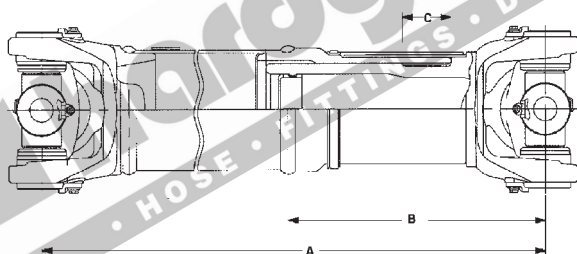
PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
170-28-27	120.00 4.724	120.00 x 5.00 4.724 x 0.197	120X5MM	H	45°	
170-28-17	93.98 3.700	126.00 x 3.00 4.961 x 0.118	126X3MM	H		



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

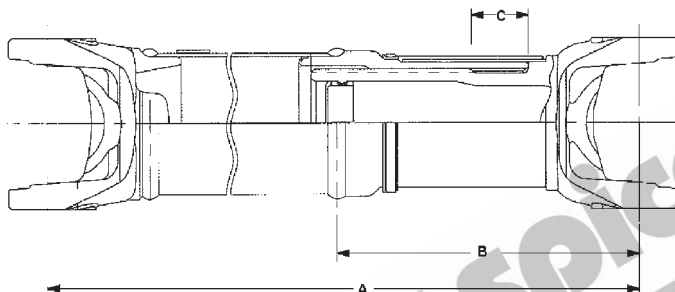
TUBULAR TYPE ASSEMBLY CHART

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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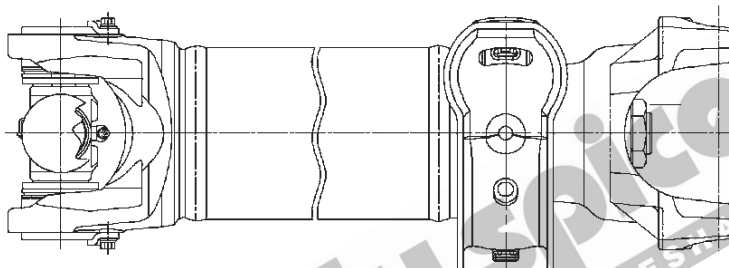
HARDY SPICER SPL170



SPL170

SHORT COUPLED ASSEMBLY

MINIMUM TUBE LENGTH=						
SLIP ASSEMBLY PART No. NO U/J's	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	180.00 7.087	465.00 18.307	45°	NO U/JOINTS



SPL170

MIDSHIP ASSEMBLY

MIDSHIP STUB SHAFT PART No.	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
250-53-11	59.69-46 2.350	66.50 2.618	134.40 5.291	126X3MM 4.961 x 0.118	60.00 2.362	5003323XB Self Aligning see Note	170-4-1271-1 # END YOKE	NUT 250-74-11, WASHER 510-27 170-28-17 Weld Yoke

Note - 210875-1X or 5003326XB (Solid Self Aligning Bearing) can be used for Heavy-Duty applications

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INDENT ITEM

SPL170 HARDY SPICER



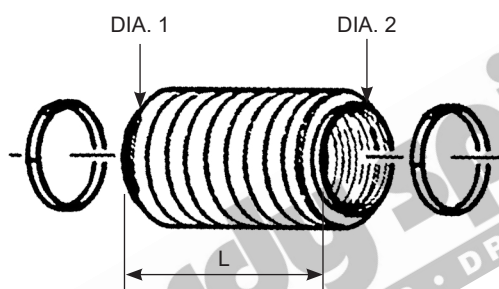
FIG 1.



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



SPL170 BOOT KIT

BOOT KIT PART No.	DIA. 1	DIA. 2	LENGTH L	COMMENTS
211987X	4.141" 105.18	4.141" 105.18	11.220" 285.00	USED ON SPL170 SHAFTS INCLUDES 2 x BOOT CLAMPS
211959X	4.508" 114.50	4.508" 114.50	7.953" 202.00	INCLUDES 2 x BOOT CLAMPS

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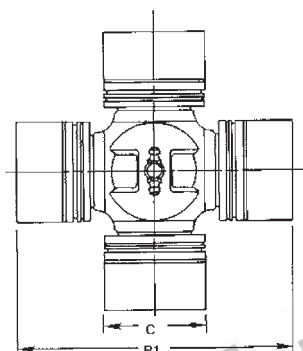
HARDY SPICER SPL250

C = 60.00

2.362

B1 = 163.00

6.417



SPL250

UNIVERSAL JOINT KIT

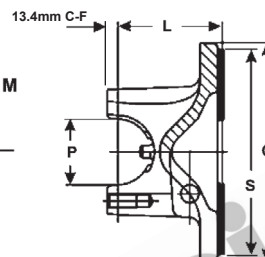
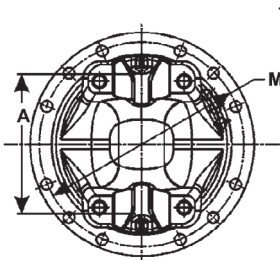
PART No.	LUBE	DESCRIPTION
SPL250X	CENTRE	STANDARD FOR QUICK DISCONNECT END YOKES (STRAP KIT PART # 250-70-18X)
SPL250XW	CENTRE	SPL250 ALTERNATIVE
SPL250-SF3X	NONE	SPL250 SERVICE FREE

A - 163.00

6.417

P - 60.00

2.362



SPL250

FLANGE YOKE

PART No.	FLANGE DIA. C	C/L OF U.J. TO FACE L	SPIGIT DIA. M=MALE F=FEMALE S	MAX. STATIC ANGLE	P.C.D. M	BOLT HOLE PATTERN	No. HOLES	HOLE DIA.	DESCRIPTION
250-2-39-1	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 HALF ROUND
250-2-15	180.00 7.087	91.00 3.583			150.00 5.905	122.9 x 86.0 4.838 x 3.386	4	15.10 0.594	XS180 KV70

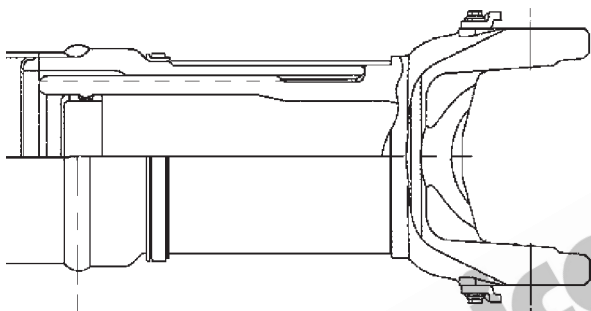
Strap kit not included, order **250-70-18X** separately

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SPL250 HARDY SPICER

SPLINE TYPE:
HC = HARDY COATED
ST = STEEL

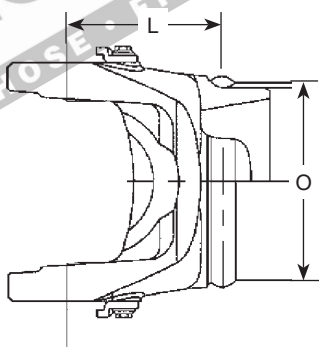


SPL250 SLIP ASSEMBLY

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
250SJ001H	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	STRAP NOT INCLUDED

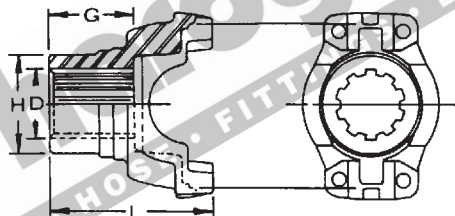
BUTT TYPE:
H=HOLLOW
S=SOLID

STRAP KIT NOT INCLUDED



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
250-28-17	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



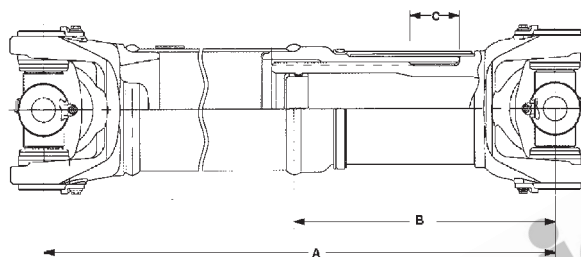
SPL250 END YOKE

PART No.	SPLINE O.D. & No. D	GROUND HUB O.D. H	LENGTH OF 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

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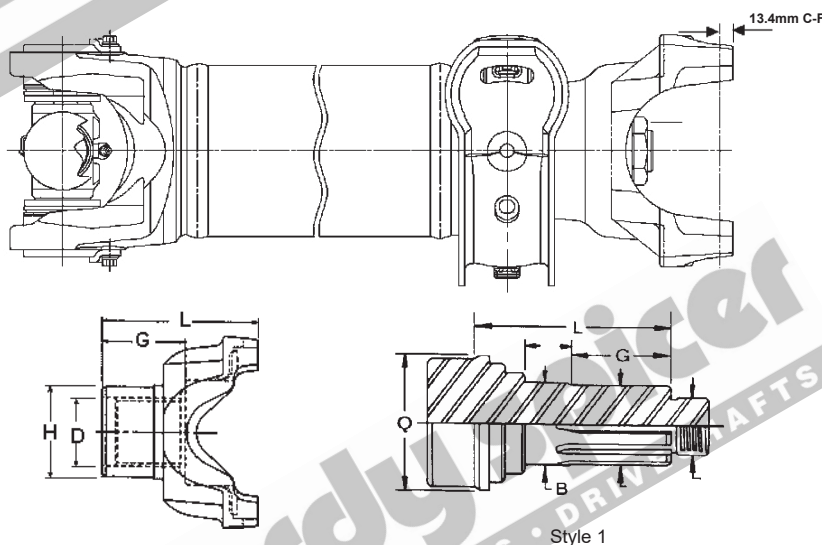
Document No:	HSDSCAT
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HARDY SPICER SPL250



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
250SJ001H	SPL250X	278.00 10.945	110.00 4.330	450.00 17.72	250-28-17	25°	132X6MM 5.200 x .236



SPL250 MIDSHIP 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
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 5003323XB Self Aligning	250-4-871-1 END YOKE 250-1-15 KV C/FLANGE	& NUT 250-74-11, WASHER 510-27 180mm

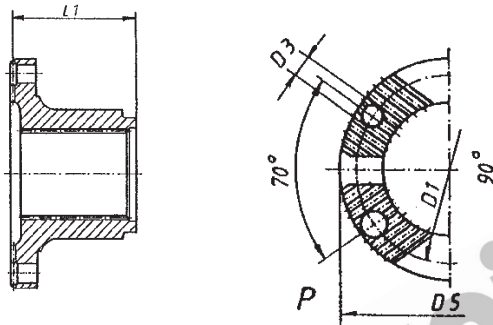
Note - 210875-1X or 5003326XB (Solid Self Aligning Bearing) can be used for Heavy-Duty applications

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INDENT ITEM

SPL250 HARDY SPICER



SPL250 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
250-1-15	2.390 - 46 60.71	N/A N/A	2.750 69.85	3.500 88.90	7.087 180.00	0.594 x 4 15.1	SUITS 18N-53-171 & 250-53-11 MIDSHIP STUB



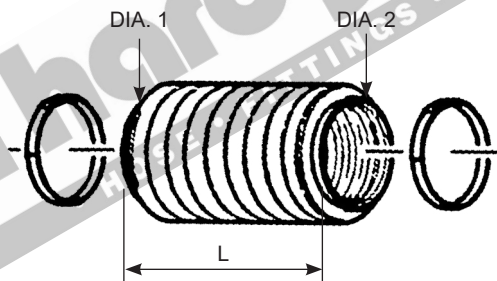
FIG 1.



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



SPL250 BOOT KIT

BOOT KIT PART No.	DIA. 1	DIA. 2	LENGTH L	COMMENTS
211959X	4.508" 114.50	4.508" 114.50	7.953" 202.00	INCLUDES 2 x BOOT CLAMPS

INDENT ITEM

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HARDY SPICER RPL20

C = 52.32

2.060

B1 = 174.75

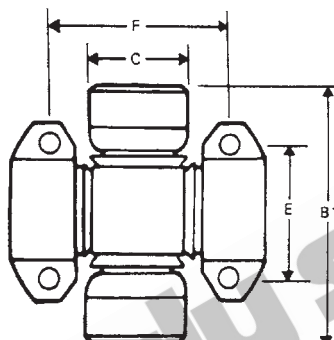
6.880

E = 71.37

2.810

F = 134.62

5.300



RPL20

UNIVERSAL JOINT KIT

PART No.	LUBE	DESCRIPTION
K5-A813	NONE	STANDARD RPL20 SERIES UNIVERSAL JOINT (2 x R2 CAPS AND 2 x BB2 CAPS)
CSC8-20-52		RPL SERIES BEARING CAP BOLTS



FIG 1.



FIG 2.

RPL20

SHORT COUPLED ASSEMBLIES

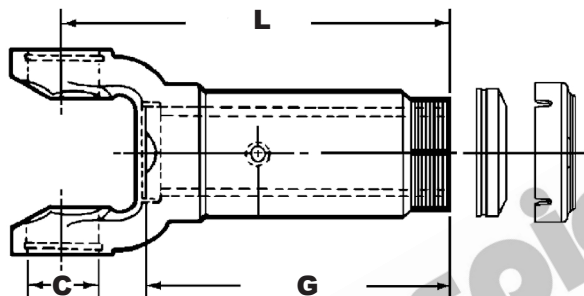
HARDY SPICER PART No.	Length Lz C-C	Total Slip Travel	Description	FIG
20RHM025B156H	398mm	140mm	D/SHAFT RPL20 I/A (20RHM080C156H) INCLUDES MOUNTING HARDWARE	1
20RHM008B162H	413mm	133mm	D/SHAFT RPL20 I/A (20RHM081C162H) INCLUDES MOUNTING HARDWARE	1
20RHM003B175H	445mm	140mm	D/SHAFT RPL20 I/A (20RHM084C175H) INCLUDES MOUNTING HARDWARE	1
20RHM020B192H	483mm	140mm	D/SHAFT RPL20 I/A (20RHM087C190H) INCLUDES MOUNTING HARDWARE	1
20RHS004B030H	546mm	133mm	D/SHAFT RPL20 I/A (20RHS004C030H) INCLUDES MOUNTING HARDWARE	2
20RHS004C059H#	620mm	133mm	D/SHAFT RPL20 I/A (20RHS004C059H) INCLUDES MOUNTING HARDWARE	2

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INDENT ITEM

RPL20 HARDY SPICER



RPL20 SLIP YOKE

PART No.	SPLINE OD & SPLINE NUMBER	CENTRE LINE TO END L	LENGTH OF SPLINE HOLE G	BEARING CAP DIAMETER C	MAX. STATIC JOINT ANGLE	COMMENTS
20RLS403A1S	2.500" - 16SPL 63.50 - 16SPL	12.050" 306.00	5.530" 140.46	2.060" 52.32	44°	SUIT K5-A813 UJ

INDENT ITEM

B:2-128

Hardy Spicer Driveshaft Components Catalogue

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HARDY SPICER RPL25

C = 52.32

2.060

B1 = 208.28

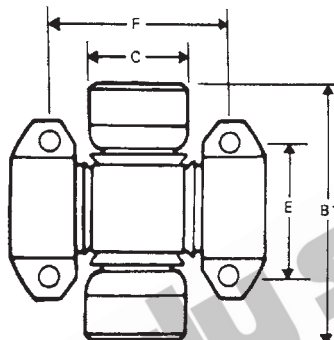
8.200

E = 71.37

2.810

F = 168.40

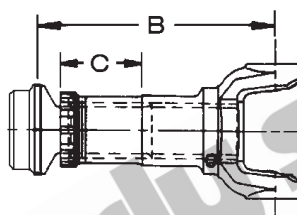
6.630



RPL25

UNIVERSAL JOINT KIT

PART No.	LUBE	DESCRIPTION
K5-A806	NONE	AFTERMARKET RPL25 SERIES UNIVERSAL JOINT (2 x R2 CAPS AND 2 x BB2 CAPS)
K5-A806R	NONE	GENUINE RPL25 SERIES UNIVERSAL JOINT (2 x R2 CAPS AND 2 x BB2 CAPS)
CSC8-20-52		RPL SERIES BEARING CAP BOLTS



RPL25

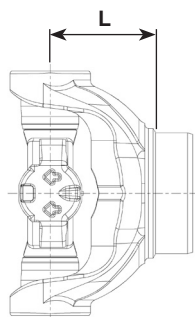
SLIP / STUB ASSEMBLY

ASSEMBLY PART No.	C/LINE TO POINT OF WELD CLOSED B	SLIP YOKE PART No.	MALE STUB PART No.	TOTAL SLIP C	SPLINE DIA. & No.	COMMENTS
25RPLSLIP	322.58 12.700	NSS	NSS		76.20-16 3.000"	SUITS 4.59"x.180" TUBE

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RPL25 HARDY SPICER



RPL25 FIXED JOINT ASSY

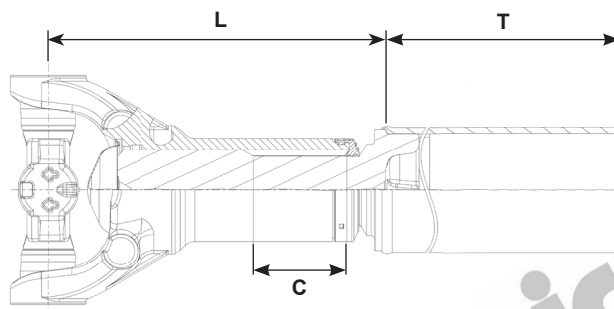
PART No.	C/LINE TO POINT OF WELD L	TUBE O.D. & WALL THICKNESS O	TUBE PART No.	BUTT TYPE	MAX. ANGLE	COMMENTS
25RY683KHP	93.98 3.700	116.59 x 4.57 4.590 x 0.180	3607-0000	H	24	STANDARD INCLUDES U/JOINT

Original tube 4.690" x 0.230" not available, can use 4.750" x 0.259" (3803-0000)

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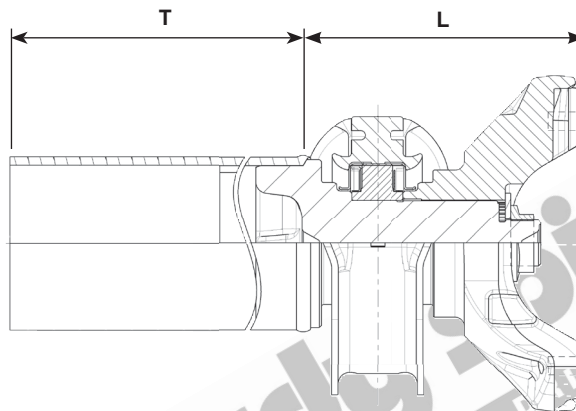
HARDY SPICER RPL25



RPL25

OPEN ENDED SLIP SHAFT

PART No.	C/LINE TO POINT OF WELD CLOSED L	TOTAL SLIP C	MAX ANGLE	TUBE	TUBE LENGTH T	COMMENTS
25RH5906B678	322.58 12.700	88.90 3.500	24	119.13 x 5.84 4.690 x 0.230	1722.12 67.800	
25RH5906B663	360.68 14.200	127.00 5.000	24	119.13 x 5.84 4.690 x 0.230	1684.00 66.300	



RPL25

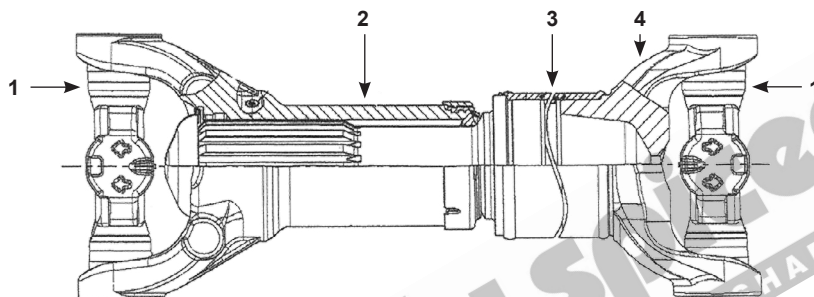
OPEN ENDED CB SHAFT

PART No.	FACE TO POINT OF WELD L	BEARING	BRG BOLT HOLE CENTRE	TUBE	TUBE LENGTH T	COMMENTS
25WXC908B743	193.68 7.625	210661-1X	219.00 8.622	119.13 x 5.84 4.690 x 0.230	1887.22 74.300	

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RPL25 HARDY SPICER



RPL25 TUBULAR TYPE ASSEMBLY CHART

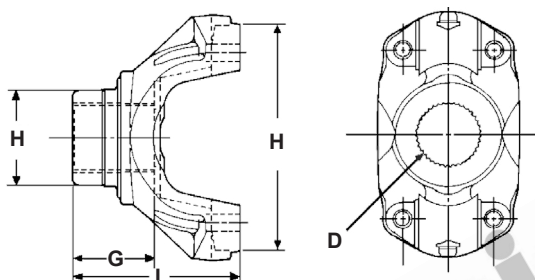
U/JOINT KIT 1	SLIP / STUB ASSEMBLY 2	TUBE 3	WELD YOKE 4	BEARING CAP BOLTS	MAX. ANGLE	COMMENTS
K5-A806	25RPLSLIP	3607-0000	25RY68-3	CSC8-20-52	24°	

Original tube 4.690" x 0.230" not available, can use 4.750" x 0.259" (**3803-0000**)
Complete Interaxle shafts available on indent basis.

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HARDY SPICER RPL25

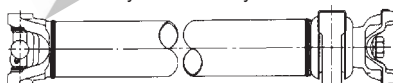


RPL25

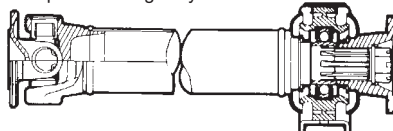
SPLINED END YOKES

PART No.	SPLINE O.D. & No.	GROUND HUB O.D.	LENGTH THROUGH HUB	G/L TO END	JOINT ANGLE	SLINGER PART No. / YOKE INCL SLINGER	COMMENTS / APPLICATION
	D	H	G	L			
25WYSC38-11	2.370"x46 60.20		2.750" 69.85	4.900" 124.46			SUIT 18N-53-171 MIDSHIP STUB
25WYS45	2.794"x54 70.96	3.750" 95.25	2.750 69.85	5.880" 149.35			

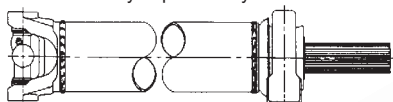
Shaft Assembly End Yoke Style



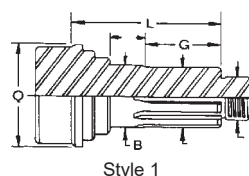
Companion Flange Style



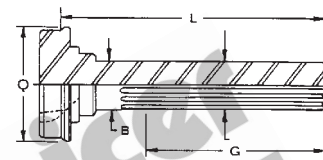
Shaft Assembly Slip Yoke Style



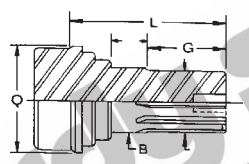
Midship Stubs



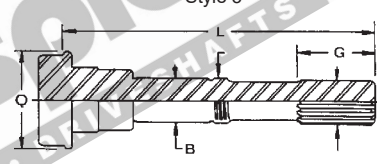
Style 1



Style 3



Style 2



Style 4

RPL25

MIDSHIP ASSEMBLY

MIDSHIP STUB SHAFT PART No.	S T Y L E	SPLINE DIA. & No.	LENGTH OF SPLINE	END OF SPLINE TO POINT OF WELD	TUBE PART No. & SIZE	BEAR- ING I.D.	CENTRE BEARING PART No.	SLIP YOKE/ COMPANION FLANGE/ END YOKE	COMMENTS
			G	L	Q	B			
18N-53-171	1	59.70-46 2.350	66.67 2.620	134.92 5.310	3607-0000 ^ 4.590 x 0.180	60.00 2.362	210661-1X see Note 1 5003323XB see Note 2	25WYSC38-11 END YOKE	& NUT 231502, WASHER 510-27 CAN USE 20-74-91‡

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

Note 2 - 5003326XB Self Aligning Bearing with Solid Rubber for Heavy Duty applications.

‡ Flanged nut

^ Original tube 4.690" x 0.230" not available, can use 4.750" x 0.259" (3803-0000)

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DRIVE TUBE HARDY SPICER

Part Number	Size	Description	Butt Size (inch - mm)	
1216-0000	1.50 x .065	DRIVE TUBE - 1.50x.065"	1.380"	35.05mm
1416-0000	1.75 x .065	DRIVE TUBE - 1.75x.065"	1.628"	41.35mm
1616-0000	2.00 x .065	DRIVE TUBE - 2.00x.065"	1.880"	47.75mm
1613-0000	2.00 x .095	DRIVE TUBE - 2.00x.095"	1.817"	46.15mm
1711-0000	2.125 x .120	DRIVE TUBE - 2.125x.120"	1.892"	48.05mm
1816-0000	2.25 x .065	DRIVE TUBE - 2.25x.065"	2.130"	54.10mm
1813-0000	2.25 x .095	DRIVE TUBE - 2.25x.095"	2.070"	52.58mm
2016-0000	2.50 x .065	DRIVE TUBE - 2.50x.065"	2.380"	60.45mm
2014-0000	2.50 x .083	DRIVE TUBE - 2.50x.083"	2.340"	59.44mm
2013-0000	2.50 x .095	DRIVE TUBE - 2.50x.095"	2.317"	58.85mm
2012-0000	2.50 x .109	DRIVE TUBE - 2.50x.109"	2.289"	58.14mm
2011-0000	2.50 x .120	DRIVE TUBE - 2.50x.120"	2.267"	57.58mm
2216-0000	2.75 x .065	DRIVE TUBE - 2.75x.065"	2.632"	66.85mm
2214-0000	2.75 x .083	DRIVE TUBE - 2.75x.083"	2.591"	65.81mm
2213-0000	2.75 x .095	DRIVE TUBE - 2.75x.095"	2.570"	65.28mm
2416-0000	3.00 x .065	DRIVE TUBE - 3.00x.065"	2.880"	73.15mm
2414-0000	3.00 x .083	DRIVE TUBE - 3.00x.083"	2.840"	72.14mm
2413-0000	3.00 x .095	DRIVE TUBE - 3.00x.095"	2.817"	71.55mm
2615-0000	3.25 x .065	DRIVE TUBE - 3.25x.065"	3.130"	79.50mm
2611-0000	3.25 x .125	DRIVE TUBE - 3.25x.125"	3.007"	76.38mm
2816-0000	3.50 x .065	DRIVE TUBE - 3.50x.065"	3.380"	85.85mm
2814-0000	3.50 x .083	DRIVE TUBE - 3.50x.083"	3.340"	84.84mm
2813-0000	3.50 x .095	DRIVE TUBE - 3.50x.095"	3.320"	84.33mm
2810-0000	3.50 x .134	DRIVE TUBE - 3.50x.134"	3.240"	82.30mm
3214-0000	4.00 x .083	DRIVE TUBE - 4.00x.083"	3.840"	97.54mm
3213-0000	4.00 x .095	DRIVE TUBE - 4.00x.095"	3.820"	97.03mm
3210-0000	4.00 x .134	DRIVE TUBE - 4.00x.134"	3.745"	95.12mm
3207-0000	4.09 x .180	DRIVE TUBE - 4.09x.180"	3.745"	95.12mm
3613-0000	4.50 x .095	DRIVE TUBE - 4.50x.095"	4.320"	109.73mm
3610-0000	4.50 x .134	DRIVE TUBE - 4.50x.134"	4.242"	107.75mm
3607-0000	4.59 x .180	DRIVE TUBE - 4.59x.180"	4.242"	107.75mm
3603-0000	4.50 x .259	DRIVE TUBE - 4.50x.259"	4.000"	101.60mm
3803-0000	4.75 x .259	DRIVE TUBE - 4.75x.259"	4.242"	107.75mm
2013-0000CM	2.5 x .095 (4130)	2.5 x 0.095" C/M 4130 TUBE	2.317"	58.85mm
2414-0000CM	3.00 x .083 (4130)	DRIVE TUBE - 3.00x.083" CR/MO	2.840"	72.14mm
2413-0000CM	3.00 x .095 (4130)	DRIVE TUBE - 3.00x.095" CR/MO	2.817"	71.55mm
35-60CM	3.50 x .083 (4130)	3.50x.083" CR/MO (60" LONG)	3.340"	84.84mm
35-72A	3.50 x .125 (ALI)	6061-T6 ALUM TUBE 3.5X.125X72I	3.257"	82.73mm
28X1-1/2MM	28 x 1.5mm	DRIVE TUBE - 473.10 SERIES	0.992"	25.20mm
36X1-1/2MM	36 x 1.5mm	DRIVE TUBE - 473.20 SERIES	1.307"	33.20mm
40X2MM	40 x 2mm	DRIVE TUBE - 473.30 SERIES	1.425"	36.20mm
50X2MM	50 x 2mm	DRIVE TUBE - 287.00 SERIES	1.819"	46.20mm
50X3MM	50 x 3mm	DRIVE TUBE - 287.10 SERIES	1.740"	44.20mm
60X4MM	60 x 4mm	DRIVE TUBE - CV15 ELBE 112	2.055"	52.20mm
60X5MM	60 x 5mm	DRIVE TUBE - 60mm x 5mm	1.976"	50.20mm
65X1-6MM	65 x 1.6mm	DRIVE TUBE - 65mm x 1.6mm	2.441"	62.00mm

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HARDY SPICER DRIVE TUBE

Part Number	Size	Description	Butt Size (inch - mm)	
70X3MM	70 x 3mm	DRIVE TUBE - 287.20/587.10	2.528"	64.20mm
70X4MM	70 x 4mm	DRIVE TUBE - 6C,CV21/30 SERIES	2.449"	62.20mm
73X4MM	73 x 4mm	DRIVE TUBE - 73 x 4 MM	2.567"	65.20mm
80X3-1/2MM	80 x 3.5mm	DRIVE TUBE - 587.15 SERIES	2.882"	73.20mm
80X4MM	80 x 4mm	DRIVE TUBE - ELBE 148 7C	2.843"	72.20mm
85X5MM	85 x 5mm	DRIVE TUBE - 587.20 SERIES	2.961"	75.20mm
88X4MM	88 x 4mm	DRIVE TUBE - METRIC 7C SERIES	3.157"	80.20mm
90X3MM	90 x 3mm	DRIVE TUBE - 687.30 SERIES	3.315"	84.20mm
90X4-1/2MM	90 x 4.5mm	DRIVE TUBE - 90 x 4.5mm	3.197"	81.20mm
90X4MM	90 x 4mm	DRIVE TUBE - M.BENZ/ISUZU/HINO	3.236"	82.20mm
90X5-1/2MM	90 x 5.5mm	USE 92X6-1/2MM	3.512"	79.20mm
90X6MM	90 x 6mm	DRIVE TUBE - 400 VOLVO ALT.	3.472"	78.20mm
92X6-1/2MM	92 x 6.5mm	DRIVE TUBE - 587.30 SERIES	3.512"	79.20mm
100X3MM	100 x 3mm	DRIVE TUBE - 687.35 SERIES	3.709"	94.20mm
100X4MM	100 x 4mm	DRIVE TUBE - 100x4mm	3.630"	92.20mm
100X4-1/2MM	100 x 4.5mm	DRIVE TUBE - 100x4.5mm	3.591"	91.20mm
100X5MM	100 x 5mm	DRIVE TUBE - ELBE 117MERCEDES	3.551"	90.20mm
100X6MM	100 x 6mm	DRIVE TUBE - 587.35 SERIES	3.472"	88.20mm
108X5-5MM	108 x 5.5mm	DRIVE TUBE - SCANIA P500 SERIES	3.827*	97.20mm
110X6MM	110 x 6mm	DRIVE TUBE - 110x6mm	3.866"	98.20mm
111-1/2X6-3/4MM	111.5 x 6.75mm	DRIVE TUBE - 587.42 SERIES	3.866"	98.20mm
114-3X9-53MM	114.3 x 9.53mm	DRIVE TUBE - 9C	3.760"	95.50mm
115X7-1/2MM	115 x 7.5mm	DRIVE TUBE - METRIC 9C SERIES	3.945"	100.20mm
120X3MM	120 x 3mm	DRIVE TUBE - 687.40 SERIES	4.496"	114.20mm
120X4MM	120 x 4mm	DRIVE TUBE - 687.45 SERIES	4.417"	112.20mm
120X6MM	120 x 6mm	DRIVE TUBE - 687.55 SERIES	4.260"	108.20mm
123-1/2X8MM	123.5 x 8mm	DRIVE TUBE - OLD 587.50/190.50	4.240"	107.70mm
127X6-35MM	127 x 6.35mm	DRIVE TUBE - 10C/10.5C SERIES	4.508"	114.50mm
127X9-53MM	127 x 9.53mm	DRIVE TUBE - 10C/10.5C SERIES	4.257"	108.14mm
130X6MM	130 x 6mm	DRIVE TUBE - 687.60 SERIES	4.654"	118.20mm
132X6MM	132 x 6mm	SPL250 HEAVY TUBING	4.732"	120.20mm
140X5MM	140 x 5mm	DRIVE TUBE - 587.48/10C SERIES	5.126"	130.20mm
142X6MM	142 x 6mm	DRIVE TUBE - 687.65/10C SERIES	5.126"	130.20mm
144X7MM	144 x 7mm	DRIVE TUBE - 587.50/10C SERIES	5.126"	130.20mm
160X10MM	160 x 10mm	DRIVE TUBE - 12C/15C EURO	5.520"	140.20mm
162X9-85MM	162 x 9.85mm	DRIVE TUBE - 162 x 9.85mm	5.610"	142.50mm
165-1X7-01MM	165.1 x 7.01mm	DRIVE TUBE - J600 SERIES	5.956"	151.28mm
165-1X8-64MM	165.1 x 8.64mm	DRIVE TUBE - J800 SERIES	5.828"	148.02mm
165-1X9-53MM	165.1 x 9.53mm	DRIVE TUBE - 11C/12C/15C SERIES	5.757"	146.24mm
165-1X12-7MM	165.1 x 12.7mm	DRIVE TUBE - 15C/15-5C (6.5"x0.5")	5.508"	139.90mm
167-7X9-8MM	167.7 x 9.8mm	DRIVE TUBE - 390.60 SERIES	5.839"	148.30mm
168-8X7-3MM	168.8 x 7.3mm	DRIVE TUBE - 587.55 SERIES	6.079"	154.40mm
203-2X12-7MM	203.2 x 12.7mm	DRIVE TUBE - 20C (8.0"x0.5")	7.007"	178.00mm
218-2X8-7MM	218.2 x 8.7mm	DRIVE TUBE - 390.65 SERIES	7.913"	201.00mm
219X13-3MM	219 x 13.3mm	DRIVE TUBE - 390.70/14C SERIES	7.583"	192.60mm

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BALANCE WEIGHTS HARDY SPICER



Hardy Spicer Part Number	Weight		Ref #	Pack Qty
	Grams	Ounces		
601-R13 PACK	3.39g	0.1196oz	4	300
601-R12 PACK	5g	0.1764oz	4	250
601-521PACK ^	5g	0.1764oz	3	1500
601-R16 PACK	10g	0.3527oz	5	150
601-522PACK ^	10g	0.3527oz	3	800
601-518PACK ^	14g	0.4938oz	3	500
601-R38 PACK	20g	0.7055oz	6	250
601-R18 PACK	30g	1.0582oz	7	150
601-R25	50g	1.7637oz		1
601-R28	70g	2.4692oz	9	1

* Available while stocks last

^ Indent Rectangular Spot Weld Type - While Stock Lasts

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EXPLANATION OF HARDY SPICER DRIVELINE COMPONENT NUMBERING SYSTEM

ALWAYS IDENTIFY THE PART NUMBER BY THE SECOND SYMBOL OF THE COMPLETE PART NUMBER. In the complete part number, with the exception of Universal Joints and Bearing kits or Assemblies, the

- 1st Number - Indicates the Joint Series
- 2nd Number - Indicates the Part Symbol Number
- 3rd Number - Indicates the Serial Number

Example: **K1 - 1 - A0433**

Series 1140 Companion Flange Serial Number

1st Part - Joint Series	
K1	1140
K2	1300
2	1310
K3	1350 - 1410
3	1350 - 1410 - 1480
K4	1510
4	1550
K5	1600
5	1610 - 1650
K6	1700
6	1710
6-3	1760
K6-5	1800
6-5	1800 - 1810
8	1850 - 1880
K9	1900
9	1900
DA	Daihatsu
IS	Isuzu
MB	Mercedes Benz
MI	Mitsubishi
SC	Scania
TH	Toyota Hilux
TL	Toyota Landcruiser
UD	Nissan UD
VOL	Volvo

2nd Part - Type	
1	Companion Flange
2	Flange Yoke
3	Slip Yoke
4	End or Fitting Yoke
24	Pin Yoke
25	Housing Yoke
26-28	Weld Yoke
29	Coupling or Centre Yoke
40-42	Slip Stub
53-54	Midship Stub
55	Splined Sleeve (Barrell)
56-57	Midship Stub
82	Yoke Shaft
83	Yoke Shaft & Sleeve Slip Assy Short Coupled Slip Assembly
84	Slip and Stub Assembly
86	Dust Cover
94	"U" Bolt Assembly

Common Abbreviations	
PSA	Prop Shaft Assembly
TSA	Tubular Shaft Assembly
FSA	Fixed Shaft Assembly
JSA	Jack Shaft Assembly
CCA	Close Coupled Assembly
SCA	Short Coupled Assembly
SKA	Single Joint (Kit) Assy
SJA	Single Joint Assembly
CBA	Centre Bearing Shaft Assy

Mechanics Series - 1st number is exactly what series it is.

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