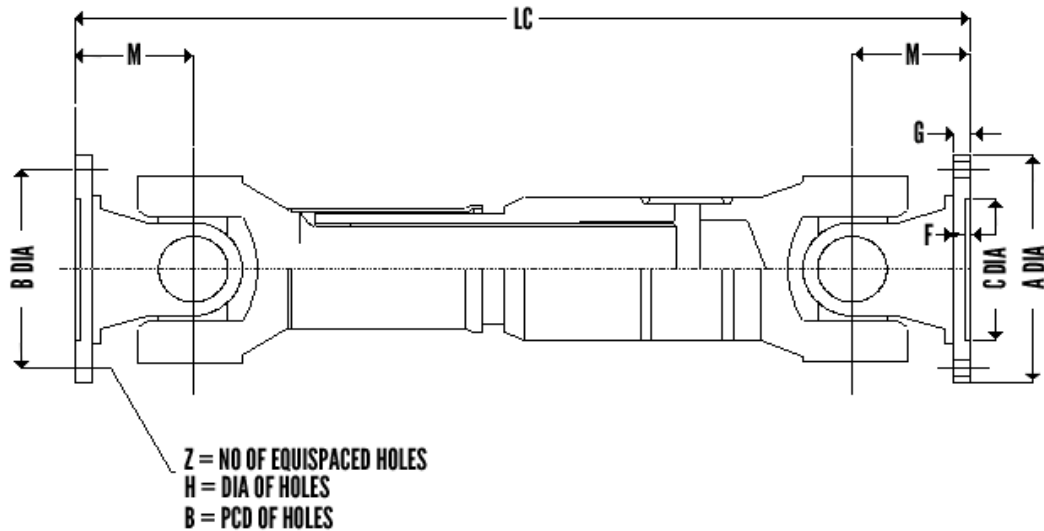


Cardan Shaft Series

116
GENERAL ASSEMBLY DRAWING

DIMENSIONS AND STANDARD SIZES

Cardan Shaft Series	116.15	133.15	133.18	144.18	152.18	152.23	172.23	185.23
Max Torque , Md NM	6500	6500	10000	12600	15000	15000	21600	33000
A Dia mm	150	150	180	180	180	225	225	225
B , Bolt PCD mm	130	130	155.5	155.5	155.5	196	196	196
G, Flange Th mm	10	12	12	14	14	16	16	16
Z , No of Holes	8	8	8	8	10	8	8	8
H , Hole dia mm	12	12	14	14	16	16	16	16
C , Dia mm	90	90	110	110	110	140	140	140
F Spigot Depth mm	3	3	3	3	3	5	5	5
M mm	86	90	98	104	100	100	110	108
Jt Angle max deg	35	35	35	35	30	30	30	22
Max Telescopic movement mm	110	110	110	140	110	140	150	110
Jt rotation dia mm	142	160	160	170	176	176	206	215
Lc Min mm	605	690	690	723	780	780	836	680
Tube OD mm	89	89	89	101	114			140
Weight Lc min Kg	26	38	41	47	56	62	84	76
Tube Kg/100 mm	1	1	1.4	1.8	1.8	1.8	1.7	2.5
Inertia MR ² Lc min KG.CM ²	394	835	900	1162	1356	1356	2780	2700
Tube Inertia MR ² /100 mm Kg.CM ²	19	19	31	50	50	50	76	111

Special Shorter Length also offered with reduced telescopic movement on request.



Cardan Shaft Series

116

Nominal Torque ratings in NM , Q_0 at operating speeds , based on 5000 Hours Life at joint angle 3 degrees or less.

Cardan Shaft Series	116.15	133.150/ 133.18	144.18	152.10/ 152.225	172.225	185.225
10 rpm	6500	6500/1000	12600	15000	21600	33000
50 rpm	4950	6500/6900	9500	10100	16600	20000
100 rpm	4000	5600	7700	8300	13500	16500
250 rpm	3100	4250	5900	6700	10100	12500
500 rpm	2500	3500	4750	5100	8400	10000
750 rpm	2300	3100	4000	4500	7400	9000
1000 rpm	2000	2800	3850	4100	6800	8300
1500 rpm	1800	2500	3400	3700	6000	7400
1800 rpm	1700	2370	3250	3500	5700	7000
2000 rpm	1650	2300	3150	3350	5500	6750
3000 rpm	1450	2000	2800	3000	4900	6000

Cardan shaft continious rating in HP at operating speed for 5000 Hours life for joint angles 3 degree or less

Cardan Shaft Series	116.15	133.150/ 133.18	144.18	152.10/ 152.225	172.225	185.225
10 rpm	9.1	9.1/14.1	17.7	21	30.3	46.3
50 rpm	34.7	45.6/48.4	66.7	70.9	116	140
100 rpm	56.1	78.5	108.0	116	189	225
250 rpm	109.0	149.0	207.0	234	354	439
500 rpm	176.0	245.0	333.0	358	590	702
750 rpm	242.0	327.0	421.0	473	779	947
1000 rpm	280.0	393.0	540.0	575	954	1165
1500 rpm	379.0	527.0	716.0	778	1264	1558
1800 rpm	429.0	599.0	821.0	884	1439	1768
2000 rpm	463.0	646.0	884.0	940	1544	1895
3000 rpm	611.0	841.0	1179.0	1264	2062	2526