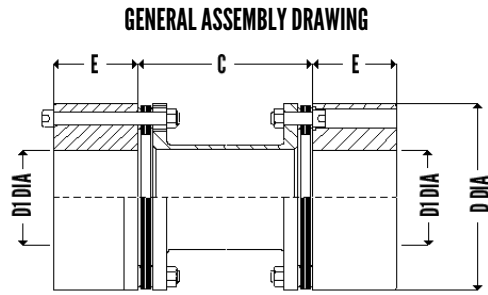




UNIQUE METAFLEX COUPLINGS
Series 80L SP Coupling

This style is also a simple variation of Series 80L with large hub at both ends and is suitable for applications where both driving and driven shaft diameters are comparatively large.



DIMENSIONS AND STANDARD SIZES

SIZE	NOMINAL HP/100 RPM	RATING TORQUE NM	PEAK TORQUE NM	MAX SPEED RPM	MAX BORE D1 MM	E, HUB LENGTH MM	D DIA MM	STD C MM
65	0.45	32	64	20000	28	28	63	100
80	0.9	64	128	20000	32	30	72	100
100	1.8	128	256	18650	38	32	83	100
125	2.6	185	370	15800	50	41	98	100
150	4.0	285	570	15800	50	45	102	100
162	7.0	500	1000	13900	60	48	111	140
180	9.0	640	1280	12500	65	55	125	140
200	12.0	855	1710	11200	75	54	138	140
220	15.0	1070	2140	10450	80	62	148	140
250	25.0	1780	3560	9200	100	76	168	140
300	56.0	3990	7980	7800	115	86	198	140

Mass, Inertia, Stiffness are at max bore with standard spacer dimension C listed above. Other C dimension are available as required on request . Hub dimensions can be modified to suit special needs. Max angular misalignment 0.50 Deg /Pack. Misalignment limits are for speeds upto 3000 RPM. For higher Speeds consult us. Bolt Tightening Torques - # for Disc Pack Bolts , ## for Hub Bolts.





UNIQUE METAFLEX COUPLINGS

Series 80L SP Coupling

ENGINEERING DATA

Size	Mass	Inertia	Maximum Misalignment		Torsional Stiffness	Axial Spring	Bolt Tight Torque
	KG	KG.M ²	AXIAL MM	RADIAL MM	MNM/Ra	Rate N/MM	# NM
65	1.5	0.0008	1.0	0.6	0.01	25	6
80	2.1	0.0016	1.2	0.6	0.02	30	10
100	3.0	0.0031	2.0	0.6	0.06	50	24
125	4.8	0.0074	2.0	0.8	0.06	60	24
150	5.4	0.0090	1.3	0.8	0.06	150	24
162	7.1	0.0140	1.3	1.2	0.18	100	24
180	10.0	0.0240	1.5	1.2	0.20	130	48
200	12.0	0.0360	1.8	1.2	0.20	165	48
220	15.0	0.0520	2.0	1.2	0.26	130	48
250	21.0	0.1000	2.2	1.2	0.38	195	48
300	35.0	0.2290	3.0	1.2	0.64	370	200

Mass, Inertia, Stiffness are at max bore with standard spacer dimension C listed above. Other C dimension are available as required on request . Hub dimensions can be modified to suit special needs. Max angular misalignment 0.50 Deg /Pack. Misalignment limits are for speeds upto 3000 RPM. For higher Speeds consult us. Bolt Tightening Torques - # for Disc Pack Bolts , ## for Hub Bolts.

All Dimensions are in "mm" unless specified.

The dimensions are for standard execution and subject to change without notice.

