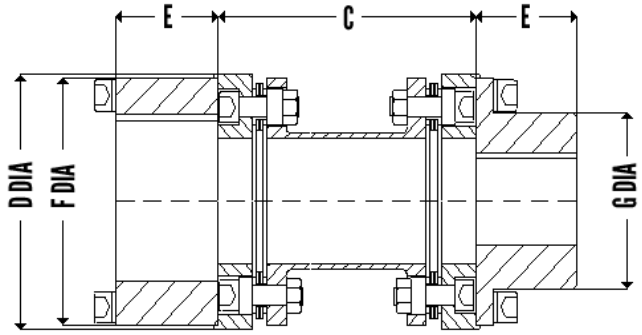
UNIQUE METAFLEX COUPLINGS

Series 80Q-SPL Coupling

This is a simple variation of series 80Q. 80QSPL permits larger bore capacity.

GENERAL ASSEMBLY DRAWING



DIMENSIONS AND STANDARD SIZES

Size	Nominal HP/100 RPM	Rating Torque NM	Peak Torque NM	Max Speed RPM	Max Bore D1 MM	Max Bore D2 MM	G Dia MM	E-Hub Length MM	D Dia MM	F Dia MM	STD C MM
250	37	2635	5270	15300	90	115	130	76	173	167	140
300	84	5985	11970	14000	110	140	157	86	203	198	180
312	84	5985	11970	14000	110	140	157	86	203	198	180
350	95	6770	13540	13000	115	155	162	95	227	221	180
375	150	10685	21370	11700	130	170	187	102	252	246	200
425	210	14960	29920	10800	130	185	191	108	273	273	200
450	260	18500	37000	10000	145	200	211	114	293	293	250
500	400	28500	57000	8860	175	230	251	127	333	333	250

ENGINEERING DATA

Size	Mass	Inertia	Maximum Misalignment		Torsional Stiffness	Axial Spring Rate	Bolt Torque	
			Axial	Radial				
	KG	KG.M^2	MM	MM	MNM/Rad	N/MM	# NM	##MM
250	22.0	0.10	2.2	1.2	0.80	220	80	48
300	36.0	0.22	3.0	1.2	1.10	370	200	80
312	32.2	0.20	1.9	1.2	1.40	415	80	80
350	46.0	0.37	2.0	1.2	1.50	500	200	200
375	61.0	0.58	2.3	1.5	2.80	540	200	200
425	85.0	0.99	2.5	1.5	3.70	725	400	400
450	106.0	1.42	2.8	1.7	5.80	755	400	400
500	137.0	2.47	3.0	1.9	6.60	920	400	400

Mass and inertia, stiffness are at max bore with standard spacer. Dimension C listed above other C Dimensions 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.

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