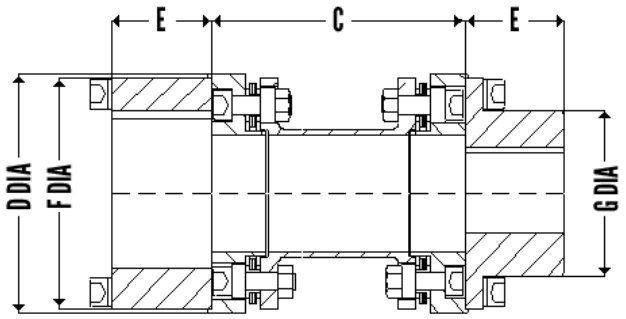
UNIQUE METAFLEX COUPLINGS

Series 80QX SPL Coupling

This is a simple variations of series 80Q. 80Q XSPL has captured spacer safety feature and also a 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 *MM*	E-Hub Length *MM*	D Dia *MM*	G Dia *MM*	STD C *MM*
250	37	2635	5270	15300	90	115	130	76	173
300	84	5985	11970	14000	110	140	157	86	203
312	84	5985	11970	14000	110	140	157	86	203
350	95	6770	13540	13000	115	155	162	95	227
375	150	10685	21370	11700	130	170	187	102	252
425	210	14960	29920	10800	140	185	191	108	273
450	260	18500	37000	10000	160	200	211	114	293
500	400	28500	57000	8860	180	230	251	127	333

ENGINEERING DATA

Size	Mass	Inertia MR^2	Maximum Misalignment		Torsional Stiffness	Axial Spring Rate	Bolt Torque	
			Axial	Radial				
	KG	*KG.M^2*	*MM*	*MM*	*MNM/Rad*	*N/MM*	*#*	*# #*
250	22	0.1	2.2	1.2	0.80	220	80	48
300	36	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	0.37	2.0	1.2	1.50	500	200	200
375	61	0.58	2.3	1.5	2.80	540	200	200
425	85	0.99	2.5	1.5	3.70	725	400	400
450	106	1.42	2.8	1.7	5.80	755	400	400
500	137	2.47	3.0	1.9	6.60	920	400	400

* meet API 610 requirements

* can be supplied to API 671 on request

These couplings have captured centre member this feature prevents spacer sub assembly. From flying off even in unlikely event of disc as well as bolt failure. 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 .

Head Office: Mercantile Buildings, 10/1D, Lal Bazar Street,
3rd Floor, Kolkata – 700001, INDIA.
Phone : +91 33 22200366 / 2248 0231 / 0433
sales@uniquecouplings.com | www.uniquecouplings.com