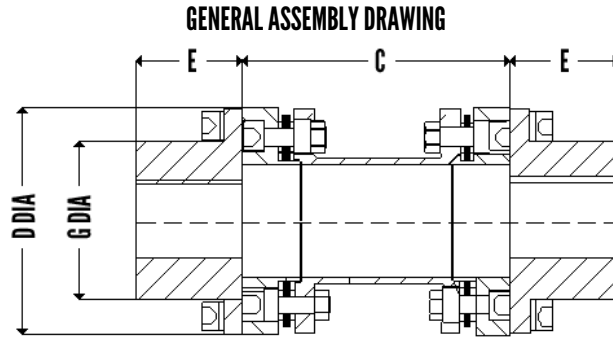




**UNIQUE METAFLEX COUPLINGS**  
**Series 80QX Coupling**

80QX are simple variations of series 80Q. It also has captured spacer safety feature.



**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	16500	90	76	173	130	140
262	50	3560	7120	16500	95	76	173	130	140
300	84	5985	11970	14000	110	86	203	157	180
312	84	5985	11970	14000	110	86	203	157	180
350	95	6770	13540	13000	115	95	227	162	180
375	150	10685	21370	11700	130	102	252	187	200
425	210	14960	29920	11000	140	120	273	191	200
450	280	20000	40000	10500	170	130	293	230	250
500	400	28500	57000	8860	180	140	333	260	250
550	600	42750	85500	7900	210	As Reqd.	373	270	300
551	600	42750	85500	7900	200	As Reqd.	356	270	300
600	800	57000	114000	7160	220	Do	412	As Reqd.	300
601	800	57000	114000	7160	210	Do	384	Do	300
700	1200	85500	171000	6280	270	Do	470	Do	325
750	1600	114000	228000	5780	300	Do	510	Do	325
800	2120	151000	302000	3570	330	Do	560	Do	350
850	2735	195000	390000	3330	370	Do	600	Do	550
900	3350	240000	480000	3075	400	Do	650	Do	550



**UNIQUE METAFLEX COUPLINGS****Series 80QX Coupling****ENGINEERING DATA**

Size	Mass	Inertia	Maximum Misalignment		Torsional	Axial Spring	Bolt Torque	
	KG	KG.M <sup>2</sup>	Axial MM	Radial MM	Stiffness MNM/Rad	Rate N/MM	#	##
250	20.0	0.082	2.2	1.2	0.80	195	80	48
262	20.0	0.082	1.5	1.2	1.10	350	80	48
300	34.0	0.190	3.0	1.2	1.40	370	200	80
312	30.0	0.170	1.9	1.2	1.50	415	80	80
350	42.0	0.300	2.0	1.2	2.80	500	200	200
375	55.0	0.470	2.3	1.5	3.70	540	200	200
425	75.0	0.770	2.5	1.5	5.80	725	400	400
450	97.0	1.150	2.8	1.7	6.60	755	400	400
500	122.0	1.950	3.0	1.9	11.00	920	400	400
550	155.0	3.000	3.2	2.1	16.90	920	540	400
551	135.0	2.500	3.2	2.1	16.90	920	700	400
600	On Req	On Req	3.7	2.1	19.00	1230	700	400
601	On Req	On Req	3.7	2.1	19.00	1230	700	400
700	Do	Do	4.1	2.4	39.0	1480	1400	1400
750	Do	Do	4.6	2.4	On Req	On Req	2160	1600
800	Do	Do	10.0	2.5	Do	Do	2800	1600
850	Do	Do	10.0	3.0	Do	Do	On Req	On Req
900	Do	Do	10.0	3.0	Do	Do	Do	Do

\* 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 .