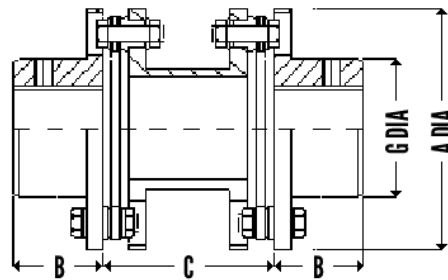




**UNIQUE METAFLEX COUPLINGS  
DBZ-C**

Type DBZ-C couplings are spacer Type Couplings. The spool type spacer can be taken out to remove Pump seals and servicing without having to shift either of connected machines. The couplings are available with standard spacer lengths & can also be supplied with special spacer length.

**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
50	0.25	18	9000	51	22	25	100,140,180
62	0.42	20	8200	62	28	30	100,140,180
75	0.6	25	7000	68	29	37	100,140,180
101	1.2	29	7000	83	35	43	100,140,180
126	2.4	35	6500	98	41	52	100,140,180
163	3.5	50	6000	117	48	70	100,140,180
201	5.3	55	5700	138	54	83	100,140,180
226	11.0	65	5500	156	67	96	100,140,180
263	15.0	75	5000	181	76	113	140,180,250
301	22.3	90	4700	208	87	129	140,180,250
351	44.9	100	4400	241	103	148	140,180,250
401	57.0	112	4100	279	118	168	180,250,300
451	75.0	125	3800	321	133	187	180,250,300

**ENGINEERING DATA**

Size	Mass	Inertia MR <sup>2</sup>	Maximum Misalignment		Torsional Stiff	Axial Spring Rate
	KG	KG.M <sup>2</sup>	AXIAL MM	RADIAL MM	MNM/RAD	N/MM
50	0.45	1.3	0.014	0.018	0.60	2.7
62	0.8	4.1	0.016	0.030	0.70	4
75	1.1	5.4	0.020	0.060	0.80	4
101	2.2	18	0.050	0.180	0.96	11
126	3.4	38	0.080	0.414	1.16	18
163	5.0	83	0.080	0.805	1.45	18
201	7.7	190	0.120	1.84	1.70	34
226	11.3	315	0.140	2.76	1.95	58
263	16.8	660	0.170	4.72	2.25	85
301	25.4	1290	0.220	7.94	2.60	130
351	42.2	2860	0.322	14.95	3.00	240
401	63.5	5800	0.48	29.9	3.50	270
451	90.7	10250	0.55	41.4	3.90	350

Multiply MR<sup>2</sup> Values by 4 to obtain GD<sup>2</sup> values. Weight & Inertia are at max bore with smallest standard spacer. For other spacers use weight & inertia change values to calculate actual figures. Maximum permissible angular misalignment is 1.0 deg for 1500 RPM and 0.5 deg for 3000 RPM at each disc Pack. Standard Construction has hubs, spacers of class2 forged steel IS2004 and Disc Packs of Stainless steel. For plated bolts reduce Tightening Torques by 20%. Spacer Dimensions other than standard spacers can also be supplied.

All Dimensions are in "mm" unless specified.  
The dimensions are for standard execution and subject to change without notice.

