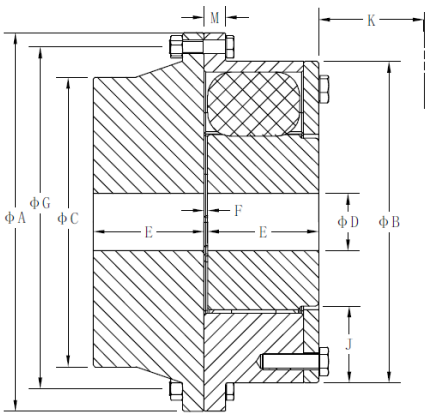
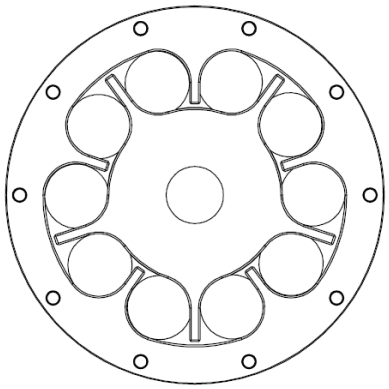
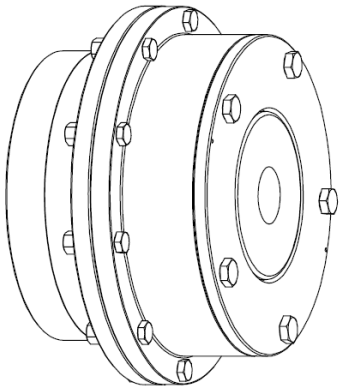
SERIES BCB I SIZE 5 - 80







The MAX-C Type CB should be used when resonant vibration conditions, inherent in reciprocating drives, dictate the use of a coupling with very low torsional stiffness (or high degree of angular displacement, approaching 6° or 7° at peak torque), permitting a large windup in relation to the vibratory torque. In the Cylindrical Block MAX-C, there is more space in the cavity or pocket into which the block may deflect under load, producing the high resiliency desired. Even greater resiliency or windup, approaching 14°, can often be achieved with the Type CB to meet specific applications merely by assembling two couplings in tandem.

SIZE	Peak Torque Nm	Vibratory Torque Nm (1)	Max Speed RPM (2)	Qty of Cavs	Qty of Blocks (3)	A	B	C	D of Flex Hub (4)	E	F	G	K (5)	J	M	Inertia J Kgm2 (6)	Weight Kg (6)
5	498	62	6900	10	10	168	127	121	44	55	2	149	70	67	19	0.03	12
10	854	107	5900	10	10	197	156	146	54	61	2	178	76	82	19	0.07	18
15	1566	195	4800	10	10	241	200	171	67	67	3	222	83	101	19	0.15	28
20	2847	356	4100	10	10	283	241	197	81	83	3	264	108	124	19	0.35	47
25	4983	623	3600	10	10	337	286	257	97	98	3	311	121	149	19	0.85	82
30	8542	1068	3000	10	10	400	346	273	117	116	3	375	146	183	19	1.75	126
35	15660	1958	2400	10	10	486	419	254	143	143	3	454	184	223	22	3.86	191
40	28472	3559	1950	10	10	597	514	305	175	173	5	559	222	270	29	10.6	335
45	42708	5339	1760	10	10	664	581	356	198	200	5	625	260	308	29	17.8	471
50	56944	7118	1600	10	10	737	645	387	219	213	5	692	279	355	29	30.5	650
55	85417	10677	1400	10	10	838	737	448	251	243	5	787	324	392	35	59.6	972
60	113889	13954	1265	10	10	921	800	489	276	273	6	864	356	427	37	94.8	1298
65	156597	19580	1150	10	10	1016	892	549	308	302	6	953	400	475	44	157	1781
70	213542	26698	1110	12	24	1054	914	610	337	354	8	991	248	534	44	211	2308
75	284722	35590	1030	12	24	1130	1000	660	375	398	10	1067	279	582	44	320	2981
80	427083	53385	960	16	32	1219	1057	752	429	457	10	1143	330	702	51	469	3994

(1) Vibratory torque values tabulated relate to vibration frequencies up to 500 vib/min. for higher frequencies, coupling vibratory torque capacity is derated on the following basis:

$$T_F = \mathrm{T}\sqrt{\frac{500}{F}}$$

where, T_F vibratory torque capacity at frequency F; T vibration torque from table F frequency at which torque capacity is required

(2) Max. speeds based on ductile iron. Greater speeds allowed for forged steel.
(3) Quantity of blocks employed is shown in Tables No.1 and 2.
(4) A reduction in maximum bore is required for limited end float couplings, please consult Feinnord.
(5) Space needed for block removal.
(6) Weight and moments of inertia values are based on ductile iron hubs and sleeves, and steel forged rigids and end rings.