



Series BWB should be specified for severe impact or reversing conditions where use of a coupling with moderately high degree of torsional stiffness (a lower degree of angular displacement, varying from 1° to 2° or more) to provide high shock absorbing capacity is required. The high torques at the moment of impact, as well as their possible amplifications at other locations in the drive, usually dictate the use of the Wedge Block MAX-C. The block tends to fill the cavity and the larger driving areas of contact between block and blade will support severe overloads.

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 Kgm <sup>2</sup> (6)	Weight Kg (6)
15	2825	350	4470	12	12	260	214	114	76	70	3	238	73	108	19	0.17	26
20	5197	655	3700	12	12	295	252	148	89	89	3	276	86	133	19	0.35	45
25	9943	1243	3250	12	12	359	306	178	108	108	4	333	130	146	19	0.85	77
30	14349	1808	2700	12	12	416	362	206	127	121	4	391	130	203	19	1.69	118
32	23727	2938	2660	12	12	438	384	216	133	125	5	413	178	203	19	2.26	136
38	37285	4632	2210	14	14	527	457	254	175	141	6	495	178	260	22	5.54	229
40	56493	7005	2030	16	16	575	505	305	200	156	6	543	203	308	22	8.63	305
42	84739	10621	1840	16	32	632	549	313	216	194	6	594	254	333	29	15.7	453
45	114115	14236	1710	16	32	683	587	356	232	213	13	638	159	359	29	22.3	570
50	152530	19207	1560	18	36	746	651	375	273	222	13	702	165	422	29	33.0	721
55	187555	23727	1470	18	36	791	679	406	286	248	13	740	184	445	29	46.0	899
60	273424	33896	1320	20	40	883	775	456	333	267	13	832	197	521	29	79.8	1240
62	378500	47454	1200	20	40	972	854	508	381	318	13	914	232	594	37	139	1796
65	583003	72875	1100	22	44	1060	927	578	406	375	13	997	273	641	38	226	2498
75	813492	101687	1020	24	48	1137	1003	641	448	406	19	1073	302	705	38	334	3209
80	1073358	134452	880	24	72	1327	1168	732	540	425	19	1251	314	851	51	749	4867
85	1932044	241788	750	28	84	1556	1365	895	635	508	19	1467	362	1003	57	1730	8137
90	3197476	399967	580	32	96	2019	1778	1016	864	610	25	1905	362	1384	70	5273	14678
95	4779266	597691	580	32	160	2019	1778	1138	864	724	44	1905	540	1384	70	6757	19377
100	6383653	797674	580	32	192	2019	1778	1302	864	889	114	1905	714	1384	70	8756	25383

(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:

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

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.