



GENERATOR FLEXIBLE COUPLING



Manufacturing in spheroidal iron, the WE coupling Offers a low cost general purpose unit particularly suitable for applications where shock loads and torsion problems are involved. The WE coupling is used extensively on generator sets and a wide range of industrial applications including Compressor Sets, Pump drives & Conveyors. Separate rubber elements totally enclosed and loaded in compression give maximum strength whilst offering a choice of stiffness characteristics within the same frame size to suit individual requirements. One of the most damaging effects associated with power transmission problems arise from resonant torsional vibration and careful choice of coupling stiffness is essential. From experience gained over more than 30 Years, Wiperdrive engineers backed by modern computer techniques are well placed to offer couplings giving practical solutions to most Power transmission problems, and a complete torsional vibration analysis service is available at Wiperdrive for clients using WE coupling/ The Wiperdrive coupling design ensures the absence of metal to metal contact allowing long life and virtually maintenance free operation. Coupling Selection To select a coupling for a given application the appropriate prime mover and driven machine Factors must be applied.

COUPLING SIZE		0.12	0.2	0.24	0.37	0.73	1.15	2.15	3.86	5.5
MAXIMUM TORQUET(kNm)		0.925	1.425	1.72	2.635	5.53	8.1	15.303	27.4	41.0
	A	200.0	222.2	238.1	260.3	308.0	358.8	466.7	508.0	577.8
	B	104.8	111.2	123.8	136.5	174.6	193.7	233.4	260.4	285.8
	C	3.2	3.2	3.2	3.2	3.2	3.2	4.8	6.4	6.4
	D	50.8	54.0	60.3	66.7	85.7	95.2	114.3	127.0	139.7
	D1	50.8	54.0	60.3	66.7	85.7	95.2	114.3	127.0	139.7
	E	79.4	95.2	101.6	120.6	152.4	184.1	222.2	279.4	330.2
	F	177.8	200.2	212.7	235.0	279.4	323.8	438.15	469.9	536.6
DIMENSIONS (mm)	G	156.5	178	186.5	210	251	295	362	435	501.5
	J	12.7	14.3	15.9	17.5	19.0	19.0	19.0	22.2	25.4
	Q	5	6	6	6	6	6	6	7	8
	R	M8	M8	M8	M10	M10	M12	M12	M12	M12
	S	6	6	6	8	8	10	16	12	12
	T	M8	M8	M10	M10	M12	M12	M12	M16	M16
	U	9.2	9.2	11.2	11.2	13.2	13.2	13.2	17.25	17.25
	MAX.X	55	70	75	85	95	115	140	170	210
	MAX.Y	55	70	75	85	95	115	140	170	210
	MIN.X&Y	30	35	40	40	55	55	70	80	90
RUBBER ELEMENTS	PER CAVITY	1	1	1	1	1	1	1	1	1
	PER COUPLING	10	12	12	12	12	12	12	14	16
MAXIMUM SPEED (rpm)		6000	5500	5000	4500	4000	3300	2800	2500	2100
WEIGHT (kgm)	W1	2.90	4.43	5.82	7.98	14.3	24.2	38.8	68.0	11
	W2	3.89	5.03	6.23	8.07	13.7	18.7	34.5	43.9	58.8
	W3	4.3	6.3	7.9	10.9	18.3	31.3	49.0	78.0	119
INTERTIA(kgm)	J1	0.0051	0.0102	0.0163	0.0306	0.0714	0.178	0.410	1.04	2.40
	J2	0.0224	0.0388	0.0541	0.0918	0.224	0.388	1.095	2.14	3.32
	J3	0.0163	0.0306	0.0480	0.0714	0.163	0.316	0.880	1.68	3.40
ALLOWABLE MISALIGNMENT	0.75	0.75	0.75	0.75	1.0	1.5	1.5	1.5	1.5	1.5
RADIL(mm)										
AXIAL(mm)	1.5	1.5	1.5	1.5	1.5	1.5	2.0	3.0	3.0	3.0
CONCAL(degree)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

11,VASTA HOUSE,GR.FLOOR,JANMABOOMI MARG,
FORT ,MUMBAI -400001 ,INDIA.

TEL:91-22-22844307/22871995/22872449

FAX:91-22-22873597/22870770

E-mail:info@wiperdrive.com,WEB SITE:www.wiperdrive.com