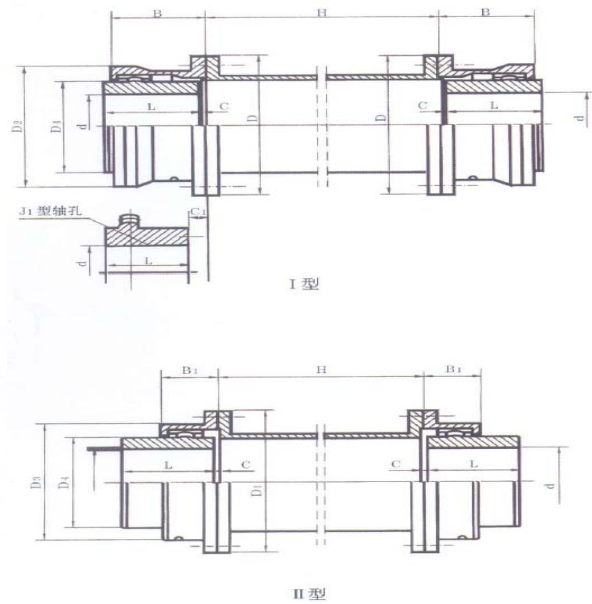


WGI Curved-Tooth Coupling



Description

This shaft coupling is suitable for connecting two horizontal axis of the shaft system. It is with certain relative deviation compensation performance for two shafts. Temperature of the operating environment is -20 to 80°C. Nominal torque is 710 to 1250000 N.m.

Parameters

Model	Nominal Torque (N.m)	Limited Rotational Speed [n] (r.min)	Shaft Hole		Shaft Hole Length	D	D1	D2	D3	D4	B	B1	F	C		C1	C2	Weight (kg)		Rotational Inertia I/(kg.m ²)		Total Amount of Grease (kg)			
			d1	d2										dz	Y			J1,Z1	I	II	I	II	I	II	
WG1	710	7500	12.14	32	--										30	--	--	--	5.6	4.86	0.08	0.0063	0.085	0.04	
			16.18.19	42	--											20	1	--							--
			20.22.24	52	--	122	115	98	88	60	11	100	30	10	4	--	--								
			25.28	62	44									3	3	19	18								
			30.32.35.38	82	60									3	3	23	12								
			40.42	112	84							3	3	29	12										
WG2	1250	6700	22.24	52	--										20	4	--	--	9.78	7.48	0.021	0.016	0.09	0.06	
			25.28	62	--											10	3	--							--
			30.32.35.38	82	60	150	145	118	108	77	13	104	30	3	3	23	16								
			40.42.45.48.50.55.56	112	84									3	3	29	16								
WG3	2500	6300	22.24	52	--	170	165	140	125	90	16	108	30	33	7	--	--	16.7	12.2	0.047	0.033	0.17	0.1		
			25.28	62	--											23	3							--	--
			30.32.35.38	82	60											3	3							23	16

			40.42.45.48. 50.55.56	112	84									3	3	29	16						
			60.63	142	107									3	3	36	16						
			30.32.35.38	82	--									13	3	--	--						
			40.42.45.48. 50.55.56	112	84									3	3	29	17						
WG4	4500	5600	60.63.65.70. 71.75	142	107	200	195	160	145	11	18	2	0	116	30			25.6	19.6	0.098	0.073	0.25	0.15
			80	172	132									3	3	41	17						
			30.32.35.38	82	--									23	3	--	--						
			40.42.45.48. 50.55.56	112	84									3	3	29	19						
WG5	7100	5300	60.63.65.70. 71.75	142	107	225	215	180	168	12	20	8	0	126	30			35	26.1	0.175	0.126	0.35	0.22
			80.85.90	172	132									3	3	41	19						
			32.35.38	82	--									35	5	--	--						
			40.42.45.48. 50.55.56	112	--									5	5	--	--						
WG6	10000	5000	60.63.65.70. 71.75	142	107	245	230	200	185	14	22	5	4	134	30			51.6	38	0.295	0.213	0.4	0.2
			80.85.90.95	172	132									5	5	43	20						
			100	212	167									5	5	48	20						
			32.35.38	82	--									45	5	--	--						
			40.42.45.48. 50.55.56	112	--									15	5	--	--						
WG7	14000	4500	60.63.65.70. 71.75	142	107	272	265	230	210	16	24	0	4	148	30			68.6	45	0.53	0.35	0.6	0.44
			80.85.90.95	172	132									5	5	43	20						
			100.110	212	167									5	5	48	20						
			55.56	112	--									29	5	--	--						
			60.63.65.70.71. 75	142	107	290	272	245	225	17	27	6	2	162	30			79.5	55.8	0.71	0.46	0.75	0.55
WG8	20000	4250	80.85.90.96	172	132									5	5	43	20						
			100.110.120.125	212	167									5	5	48	38						
			65.70.71.75	142	107									5	5	38	28						
			80.85.90.95	172	132	315	305	265	245	19	28	0	0	176	30			106.5	80.5	1.05	0.77	1	0.79
WG9	25000	4000	100.110.120.125	212	167									5	5	48	28						
			130.140	252	202									5	5	53	28						
			75	142	--									28	5	--	--						
			80.85.90.95	172	132									5	5	43	38						
WG10	40000	3550	100.110.120.125	212	167	355	340	300	280	22	33	5	0	196	30			158.8	121.8	1.87	1.54	1.3	0.9
			130.140.150	252	202									5	5	53	28						
			160	302	242									5	5	63	28						
WG11	56000	3000	85.90.95	172	--	412	385	345	325	25	36	224	40	15	8	--	--	214	167	3.66	2.77	1.6	1.2

			100.110.120.125	212	167					6	0	8	8	51	32								
			130.140.150	252	202							8	8	56	32								
			160.170.180	302	242							8	8	56	32								
			120.125	212	167							8	8	51	45								
WG12	80000	2800	130.140.150	252	202	440	435	375	360	28	41	250	40	8	8	56	32	302	242	6.39	4.75	2.6	1.9
			160.170.180	302	242					8	4			8	8	66	32						
			190.200	352	282									8	8	76	32						
			145.150	252	202									8	8	56	38						
WG13	112000	2500	160.170.180	302	242	490	480	425	400	32	47	272	50	8	8	66	32	390	309	10.44	7.76	3.3	2.4
			190.200.220	352	282					0	0			8	8	76	32						

Note

1. Weight and rotational inertia are approximately calculated according to the Y-shaped hole of the maximal axle hole.
2. The maximal diameter of the cone axis is up to 220 mm.