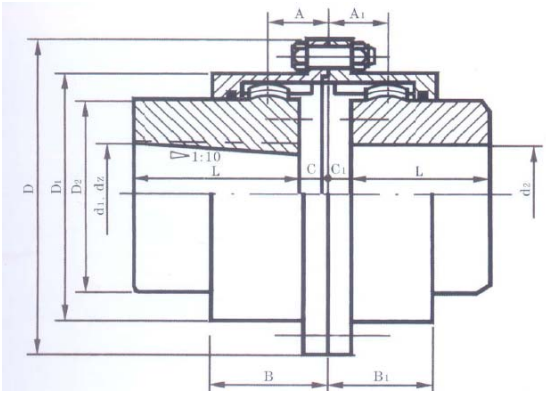
GCLD Curved-Tooth Coupling



Description

This shaft coupling is suitable for connecting two electric and mechanical horizontal axis line shafting. It has a drum-shaped teeth shaft coupling with angular orientation compensation on relative deviation. Temperature of operating environment is -20℃ to 80℃. Nominal torque is 1.12 KN.m to 50 KN.m.

Parameters

Model	Nominal Torque Tn/N.m	Limited Rotational Speed [n] /r·min	Shaft Hole Diameter d1, d2, dz	Shaft Hole Length L		D	D1	D2	C1	H	A	A1	B	B1	e	Lubricating Grease Amount/ml	Weight kg	Moment of Inertia I/kg·m^2
				Y	J1, Z1													
GCLD1	1120	4000	22, 24	52	38	127	95	75	6	2	43	22	66	45	42	107	6.2	0.035
			25, 28	62	44												7.2	0.041
			30, 32, 35, 38	82	60												7.8	0.044
			40, 42, 45, 48, 50, 55, 56	112	84												9.6	0.047
GCLD2	1800	4000	38	82	60	149	116	90	6.5	2	44.5	24.5	70	49	42	137	11.2	0.085
			40, 42, 45, 48, 50, 55, 56	112	84												14	0.097
			60, 63, 65	142	107												16.4	0.106
GCLD3	3150	4000	40, 42, 45, 48, 50, 55, 56	112	84	167	134	105	7	2.5	53.5	27.5	80	54	42	238	17.2	0.16
			60, 63, 65, 70, 71, 75	142	107												22.4	0.19

GCLD4	5000	4000	45, 48, 50, 55, 56	112	84	187	153	125	7.5	2.5	54	28	81	55	42	238	25.2	0.29
			60, 63, 65, 70, 71, 75	142	107												26.4	0.33
			80, 85, 90	172	132												35.6	0.38
GCLD5	7100	3750	50, 55	112	84	204	170	140	7.5	2.5	60	30	89	59	42	298	31.6	0.45
			60, 63, 65, 70, 71, 75	142	107												38	0.51
			80, 85, 90, 95	172	132												44.6	0.58
			100, (105)	212	167												53.9	0.69
GCLD6	10000	3300	55, 56	112	84	230	186	155	8.5	3	68.5	33.5	106	71	47	465	40.5	0.75
			60, 63, 65, 70, 71, 75	142	107												49.8	0.84
			80, 85, 90, 95	172	132												56.3	0.94
			100, 110, (115)	212	167												67.5	1.07
GCLD7	1600	3000	60, 63, 65, 70, 71, 75	142	107	256	212	180	6	3	73.5	34.5	112	73	47	561	63.9	1.43
			80, 85, 90, 95	172	132												74.7	1.6
			100, 110, 120, 125	212	167												88	1.85
			130, (135)	252	202												106.7	2.11
GCLD8	22400	2650	65, 70, 71, 75	142	107	287	239	200	8.5	3.5	69	39	112	82	47	734	81.7	2.24
			80, 85 , 90 , 95	172	132												95.5	2.51
			100, 110, 120 , 125	212	167												114	2.88
			130 , 140 , 150	252	202												123	3.25
GCLD9	355000	2350	70, 71, 75	142	107	325	276	235	9.5	3.5	80.5	40.5	125	85	47	956	112	4.31
			80, 85, 90, 95	172	132												130	4.83
			100, 110, 120, 125	212	167												156	5.53
			130 ,	252	202												181	6.74

			140 , 150															
			160, 170, （175）	302	242												213	7.08
GCLD10	50000	2100	75	142	107	362	313	270	11	4	98.5	44.5	149	95	49	1320	161	7.88
			80, 85 , 90 , 95	172	132												172	8.29
			100, 110, 120, 125	212	167												206	9.52
			130, 140, 150	252	202												239	10.25
			160, 170, 180	302	242												280	12.22
			190, 200	352	282												319	13.69

Notes

1. Diameter and length of axle hole can be correspondently selected with C1 and C2.
2. Weight and rotational inertia of shaft coupling are calculated according to J1 type.
3. When nitrogenization and quenching are required for the tooth surface, please contact the manufacturer and 30% torsion can be increased.