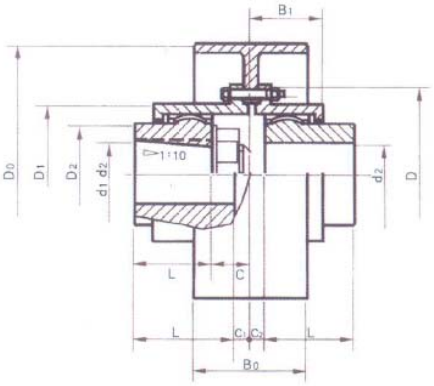
Brake Wheel Gear Coupling (NGCL Series)

Description

NGCL curved-tooth coupling with brake wheel is suitable for connecting two horizontal coaxial lines. The nominal torque of this gear coupling is 355 to 100000 N.m.



Parameters

Model	Nominal Torque Tn (N.m)	Limited Rotational Speed [n](r/min)	Shaft Hole Diameter		Shaft Hole Length		D	C	C1	B3	D3	Rotational Inertia ($kg.m^2$)	Weight (kg)
					Y	J1							
			d1 d2	dz	L								
NGCL1	355	4000	20 22 24	20 22 24	52	38	103	30	8	68	160	0.07	7
			25 28	25 28	62	44						0.07	7.3
			30 32 35	30 32 35	82	60						0.071	8
NGCL2	630	4000	25 28	25 28	62	44	115	36	8	68	160	0.079	9
			30 32 35 38	30 32 35 38	82	60						0.08	9.7
			40 42 45	40 42 45	112	84						0.083	11
NGCL3	1000	3800	28		64	44	127	41	8	85	200	0.181	14.6
			30 32 35 38	30 32 35 38	82	60						0.184	15.2
			40 42 45 48 50 55 56	40 42 45 48 50 55 56	112	84						0.187	17.0
NGCL4	1600	3800	38		82	60	149	41	8	85	200	0.225	18.6
			40 42 45 43 50 55 56	40 42 45 43 50 55 56	112	84						0.237	21.4
			60 63 65	60 63 65	142	107						0.246	23.8
NGCL5	2800	3000	40 42 45 48 50 55 56	40 42 45 48 50 55 56	112	84	167	48	8	105	250	0.58	31.8
			60 63 65 70 71 75	60 63 65 70 71 75	142	107						0.609	34.4
NGCL6	4500	3000	45 40 50 55	50 55 56	112	84	187	49	9	105	250	0.714	37.2

			56									
			60 63 65 70 71 75	60 63 65 70 71 75	142	107					0.754	38.5
			80 85 90	80 85 90	172	132					0.795	47.6
NGCL7	9300	2400	50 55 56		112	84	204	53	9	132 315	1.17	48.8
			60 63 65 70 71 75	60 63 65 70 71 75	142	107					1.123	55.2
			80 85 90 95	80 85 90 95	172	132					1.299	61.8
			100	100	212	167					1.388	71.1
NGCL8	9000	1900	55 56		112	84	230	64	12	168 400	3.747	80.7
			60 63 65 70 71 75	70 71 75	142	107					3.844	90.0
			80 85 90 95	80 85 90 95	172	132					3.939	96.5
			100 110	100	212	167					4.072	108.0
NGCL9	14000	1500	60 63 65 70 71 75		142	107	256	71	13	210 500	9.427	128
			80 85 90 95	80 85 90 95	172	132					9.605	138
			100 110 120 125	100 110 120 125	212	167					9.847	151
			130	130	252	202					10.109	167
NGCL10	20000	1200	65 70 71 75		142	107	287	65	15	265 630	28.238	176
			80 85 90 95	80 85 90 95	172	132					28.509	190
			100 110 120 125	100 110 120 125	212	167					28.879	209
			130 140 150	130 140 150	252	202					29.248	237
NGCL11	31500	1050	70 71 75		142	107	325	77	16	298 710	44.309	257
			80 85 90 95		172	132					44.825	275
			100 110 120 125	100 110 120 125	212	167					45.53	300
			130 140 150	130 140 150	252	202					46.235	326
			160 170	160 170	302	242					47.08	357
NGCL12	45000	1050	75		142	107	362	94	17	298 710	47.88	306
			80 85 90 95		172	132					48.29	317
			100 110 120 125	100 110 120 125	212	167					49.52	351
			130 140 150	130 140 150	252	202					50.25	384
			160 170 180	160 170 180	302	242					52.22	425
			190 200	190 200	352	282					53.69	464
NGCL13	63000	950	150	150	252	202	412	88	18	335 800	82.70	490
			160 170 180	160 170 180	302	242					84.70	544
			190 200 220	190 200 220	352	282					86.67	596
NGCL14	100000	950	170 180	170 180	302	242	462	92	20	335 800	99.10	670

			190 200 220	190 200 220	352	282						102.20	736
			240 250		410	330						105.90	850

Notes

Combination of the coupling axle includes Z_1/Y_1, Y_1/Y_1, J_1/Y_1 and Y_1/J_1.