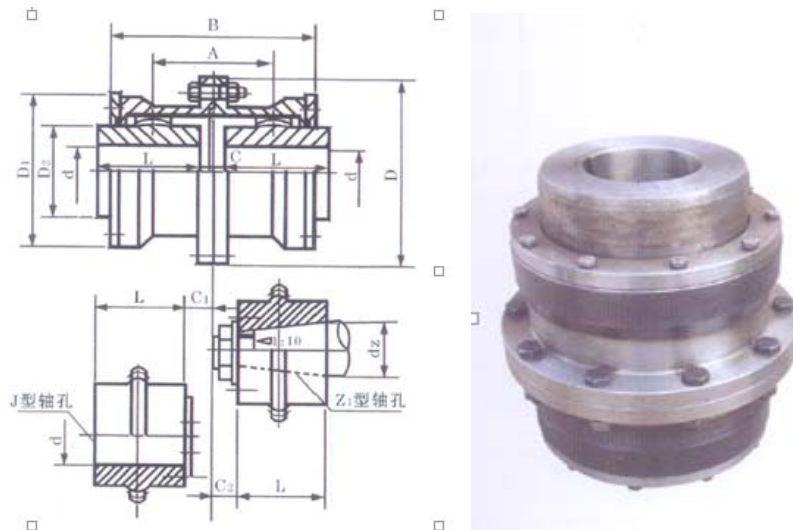


GICL Curved-Tooth Coupling

Description

This shaft coupling is suitable for transmission shaft which connect two level coaxial lines and has certain angular displacement. The nominal torque of is 0.8 to 3200 KN.m and the temperature of working condition is -20°C to 80°C.

Dimensions



Parameters

Model	Nominal Torque Tn/(N.m)	Limited Rotational Speed [n] (r/min)	Shaft Hole Diameter	Shaft Hole Length		D	D1	A	C	C1	C2	Rotational Inertial (kg.m ²)	Grease Consumption (ml)	Weight (kg)
				Z1	Y, J1									
				d1, d2, dz	L									
GICL1	630	7100	16, 18, 19	42	-	125	95	75	20	10	15	0.009	55	5.9
			20, 22, 24	52	38									
			25, 28	62	44									
			30, 32, 35, 38	82	60									

GIC L2	1120	6300	25, 28	6 2	44	14 4	12 0	88	10	-	2	0.02	100	9.7
			30, 32, 35, 38	8 2	60				.5	12 .5	3 0			
			40, 42, 45, 48	1 2	84				2. 5	13 .5	2 8			
GIC L3	2240	5900	30, 32, 35, 38	8 2	60	17 4	14 0	10 6	3	24	2	0.047	140	17. 2
			40, 42, 45, 48 , 50, 55, 56	1 2	84					17	2 8			
			60	1 2	10 7					3 5				
GIC L4	3600	5400	32, 35, 38	8 2	60	19 6	16 5	12 5. 5	14	37	3	0.091	170	24. 9
			40, 42, 45, 48 , 50, 55, 56	1 2	84					3	2 8			
			60, 63, 65, 70	1 2	10 7					3	3 5			
GIC L5	5000	5000	40, 42, 45, 48 , 50, 55, 56	1 2	84	22 4	18 3	14 2	3	25	2	0.167	270	38
			60 63 65 70 71 75	1 2	10 7					20	3 5			
			80	1 2	13 2					22	4 3			
GIC L6	7100	4800	48 50 55 56	1 2	84	24 1	20 0	16 0	6	35	3	0.267	380	48. 2
			60 63 65 70 71 75	1 2	10 7					20	3 5			
			80 85 90	1 2	13 2					4	4 3			

GIC L7	10000	4500	60 63 65 70	1 4 2	10 7	26 0	23 0	18 0	4	35	3 5	0.453	570	68. 9
			80 85 90 95	1 7 2	13 2					4 3				
			100	2 1 2	16 7					22 4 8				
GIC L8	14000	4000	65 70 71 75	1 4 2	10 7	28 2	24 5	19 3	5	35	3 5	0.646	660	83. 3
			80 85 90 95	1 7 2	13 2					4 3				
			100 110	2 1 2	16 7					22 4 8				
GIC L9	18000	3500	70 71 75	1 4 2	10 7	31 4	27 0	20 8	10	45	4 5	1.036	700	110
			80 85 90 95	1 7 2	13 2				5	22				
			100 110 120 125	2 1 2	16 7				5	22 4 9				
GIC L10	31500	3200	80 85 90 95	1 7 2	13 2	34 6	30 0	24 9	5	43	4 3	1.88	900	157
			100 110 120 125	2 1 2	16 7					22	4 9			
			130 140	2 5 2	20 2					29	5 4			
GIC L11	40000	3000	100 110 120 125	2 1 2	16 7	38 0	33 0	26 7	6	29	4 9	3.28	1200	217
			130 140 150	2	20					5				

				2													
			160	3 0 2	24 2								6 4				
GIC L12	56000	2600	120 125	2 1 2	16 7							57	5 7	5.08	2000	305	
			130 140 150	2 5 2	20 2	44 2	38 0	31 3	6	29	5 5						
			160 170 180	3 0 2	24 2						6 8						
GIC L13	80000	2300	140 150	2 5 2	20 2							54	5 7	10.06	3000	419	
			160 170 180	3 0 2	24 2	48 2	42 0	36 4	7	32	7 0						
			190 200	3 5 2	28 2						8 0						
GIC L14	112000	2100	160 170 180	3 0 2	24 2	52 0	46 5	41 5	8	42	7 0	16.77 4	4500	594			
			190 200 220	3 5 2	28 2					32	8 0						
GIC L15	160000	1900	190 200 220	3 5 2	28 2	58 0	51 0	42 9	10	34	8 0	26.55	5000	783			
			140 150	4 1 0	33 0					38	-						
GIC L16	250000	1600	200 220	3 5 2	28 2						58	8 0	52.22	8000	113 4		
			240 250 260	4 1 0	33 0	68 0	59 5	50 1	10	38	-						
			280	4 7	38 0					38							

				0														
GIC L23	800000	900	360, 380	5 5 0	45 0	10	89	66	13	44	379.4	29000	366 8					
			400, 420	6 5 0	54 0	10	0	6	48									
GIC L24	1000000	875	380	5 5 0	45 0	10	92	68	15	46	448.1	32000	394 6					
			400, 420, 450	6 5 0	54 0	50	5	5	50									
GIC L25	1120000	850	400, 420, 450 , 480	6 5 0	54 0	11	97	72	15	50	564.6 4	34000	444 3					
GIC L26	1250000	825	420, 450, 480 , 500	6 5 0	54 0	11	99	73	15	50	637.4	37000	479 1					
GIC L27	1400000	800	450, 480, 500	6 5 0	54 0	12	10	73	15	50	866.2 6	45000	575 8					
			530	8 0 0	68 0	10	60	9										
GIC L28	1600000	770	480, 500	6 5 0	54 0	12	10	80	20	55	1020. 76	47000	623 2					
			530, 560	8 0 0	68 0	50	80	5										
GIC L29	2240000	725	500	6 5 0	54 0	13	12	79	20	57	1450. 84	50000	754 9					
			530, 560, 600	8 0 0	68 0	40	00	8										
GIC L30	2800000	700	530, 560, 600 , 630	8 0 0	68 0	13	12	80	20	55	1974. 17	59000	951 4					

Note

1. Weight and rotational inertia of the shaft coupling are approximately calculated according to maximum length of minimum axis hole.
2. Maximum value of d_z is 220 mm.
3. When nitrogenization and quenching are required for the tooth surface, please contact the manufacturer and 30% torsion can be increased.