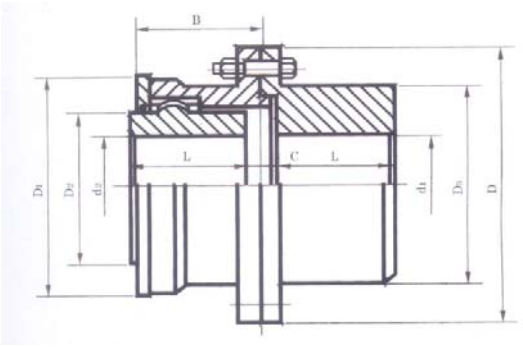
GICLZ Curved-Tooth Coupling



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℃ to 80℃.

Parameters

Model	Nominal Torque Tn (N.m)	Limited Rotational Speed[n] (r/min)	Shaft Hole Diameter d1,d2,dz	Shaft Hole Length Y,J1,Z1 L	D	D1	D3	A	C	Rotational Inertia ($kg.m^2$)	Grease Consumption (ml)	Weight (kg)
GICLZ1	630	7100	16,18,19	42	125	95	80	37	20	0.0084	30	5.4
			20,22,24	52					10			
			25-50	62-112					2.5			
GICLZ2	1120	6300	25,28	62	144	120	95	44	10.5	0.018	60	9.2
			30-60	82-142					2.5			
GICLZ3	2240	5900	30-70	82-142	174	140	115	53	3	0.0427	80	16.4
GICLZ4	3550	5400	32,35,38	82	196	165	130	62	14	0.076	90	22.7
			40-80	112-142					3			
GICLZ5	5000	5000	40-90	112-172	224	183	150	71	3	0.0149	140	36.2
GICLZ6	7100	4800	40,50,55,56	112	241	200	170	80	6	0.24	200	46.2
			60-100	142-212					4			
GICLZ7	10000	4500	60-120	142-212	260	230	195	90	4	0.43	290	68.4
GICLZ8	14000	4000	65-130	142-252	282	245	210	96	5	0.61	350	81.1
GICLZ9	18000	3500	70,71,75	142	314	270	225	104	10	0.94	370	100.1
			80-140	172-252					5			
GICLZ10	31500	3200	80-160	172-302	346	300	250	124	5	1.67	500	147.1
GICLZ11	40000	3000	100-180	212-302	380	330	285	133	6	2.98	650	206.3
GICLZ12	56000	2600	120-200	212-352	442	380	325	156	6	5.31	1100	284.5
GICLZ13	80000	2300	140-220	252-352	482	420	360	182	7	9.26	1600	402.0

GICLZ14	112000	2100	160-250	302-410	520	465	420	207	8	15.92	2300	582.2
GICLZ15	160000	1900	190-280	352-470	580	510	450	214	10	25.78	2600	778.2
GICLZ16	250000	1600	200-320	352-470	680	595	500	250	10	16.89	4100	1071
GICLZ17	280000	1500	220-320	352-470	720	645	530	256	10	60.59	5100	1210
GICLZ18	355000	1400	240-340	410-550	775	675	540	262	10	81.75	6000	1475
GICLZ19	450000	1300	260-360	310-550	815	715	580	280	10	101.57	6700	1603
GICLZ20	500000	1200	300-380	470-550	855	755	600	297	13	140.03	8100	2033
GICLZ21	630000	1100	300-400	470-650	915	795	640	305	13	183.49	10500	2385
GICLZ22	710000	950	340-420	550-650	960	840	680	316	13	235.04	14000	2452
GICLZ23	800000	900	360-450	550-650	1010	890	720	333	13	323.16	15000	3332
GICLZ24	1000000	875	380-480	550-650	1050	925	760	342	15	387.97	16500	3639
GICLZ25	1120000	850	400-500	650	1120	970	800	362	15	485.96	18000	4073
GICLZ26	1250000	825	420-530	650-800	1160	990	850	366	15	573.64	19000	4527
GICLZ27	1400000	800	450-560	650-800	1210	1060	900	369	15	789.74	23000	5485
GICLZ28	1600000	770	480-600	650-800	1250	1080	960	402	20	960.26	24000	6050
GICLZ29	2240000	725	500-630	650-800	1340	1200	1010	396	20	1268.98	26000	7090
GICLZ30	2800000	700	530-670	800-950	1396	1240	1070	403	20	1822.02	30000	9264

Notes

1. Weight and rotational inertia of shaft coupling are approximately calculated according to minimum diameter and maximum length of the axle hole.
2. ※ is only limited to d_1 axel hole.
3. When J_1, Z_1 and Z type holes are used for the shaft coupling, the correspondent dimension should be verified and you shall also contact the manufacturer.
4. When nitrogenization and quenching are required for the tooth surface, please contact the manufacturer and 30% torsion can be increased.