GIICL Type
Drum Gear Coupling Series

Structural Features

- **High Loading Capacity:**

With the same external dimension, the loading capacity is 15%~20% averagely higher than that of straight-tooth coupling

- **Large Angular Compensation:**

The maximum allowable angular misalignment is 1.5°, 50% higher than that of straight-tooth coupling

- **Scientific Gear Tooth Design:**

It avoids local stress concentration caused by straight tooth edge extrusion, and tooth surface friction is eased at the same time

- **Gear tooth of external gear sleeve is horn-shaped, which makes it easy to install and dismount.**

- **High Transmission Efficiency Can Reach 99.7%**

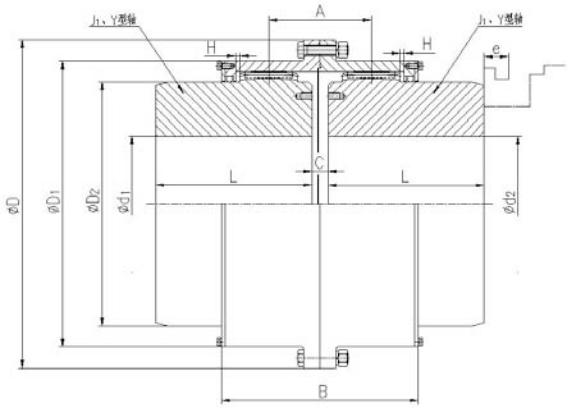
Performance Advantages

Gear teeth are made of high-strength alloy steel. Through quenched-tempered heat treatment, ionitriding, hardness of teeth surface is highly improved, and more wear-resistant. Therefore, service life is longer.

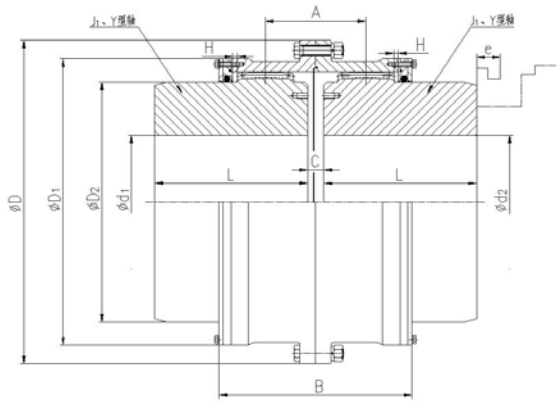
BASKA

GIICL Series Keyed Connect Drum Gear Coupling

GIICL1—GIICL13



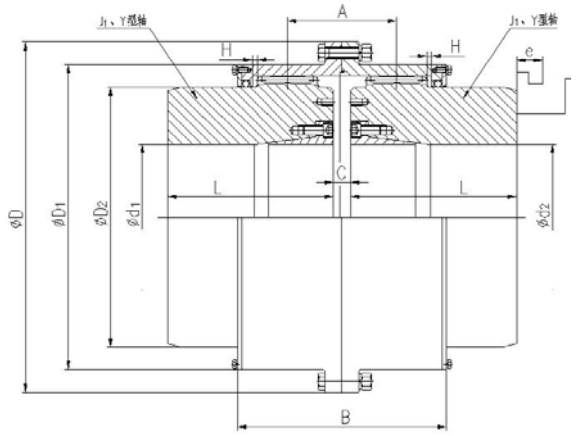
GIICL14—GIICL20



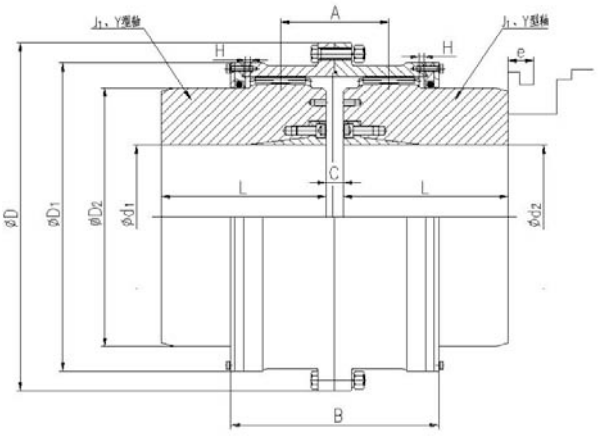
Item No.	Nominal torque Tn	Allow speed n	Shaft hole diameter	Shaft hole length L		D	D_1	D_2	C	H	A	B	e	Rotation inertia I	Grease amount	Weight
			d_1、d_2	Ytype shaft	J_1type shaft											
	N.m	r/min	mm											$kg.m^2$	ml	kg
GIICL1	400	4000	16~35	42~82	38~60	103	71	50	8	2	36	76	38	0.00375	51	4
GIICL2	710	4000	20~45	52~112	44~84	115	83	60	8	2	42	88	42	0.00675	70	6
GIICL3	1120	4000	22~56	52~112	44~84	127	95	75	8	2	44	90	42	0.0113	68	9
GIICL4	1800	4000	38~65	82~142	60~107	149	116	90	8	2	49	98	42	0.0245	87	15
GIICL5	3150	4000	40~75	112~142	84~107	167	134	105	10	2.5	55	108	42	0.0433	125	20
GIICL6	5000	4000	45~90	112~172	84~132	187	153	125	10	2.5	56	110	42	0.0843	148	31
GIICL7	7100	3750	50~105	112~212	84~167	204	170	140	10	2.5	60	118	42	0.151	175	48
GIICL8	10000	3300	55~115	112~212	84~167	230	186	155	12	3	67	142	47	0.241	268	60
GIICL9	16000	3000	60~135	142~252	107~202	256	212	180	12	3	69	146	47	0.470	310	96
GIICL10	22400	2650	65~150	142~252	107~202	287	239	200	14	3.5	78	164	47	0.745	472	119
GIICL11	35500	2350	70~175	142~302	107~242	352	276	235	14	3.5	81	170	47	1.588	550	189
GIICL12	50000	2100	75~200	142~352	107~282	362	313	270	16	4	89	190	49	3.055	695	285
GIICL13	71000	1850	150~225	252~352	202~282	412	350	300	18	4.5	98	208	49	4.918	1019	360
GIICL14	112000	1650	170~250	302~410	242~330	462	418	335	22	5.5	172	296	63	9.725	3900	544
GIICL15	180000	1500	190~285	352~470	282~380	512	465	380	22	5.5	182	316	63	17.45	3700	786
GIICL16	250000	1300	220~320	352~470	282~380	580	522	430	28	7	209	354	67	29.1	4500	1027
GIICL17	355000	1200	250~365	410~550	330~450	644	582	490	28	7	198	364	67	53.725	4900	1532
GIICL18	500000	1050	280~400	470~650	380~540	726	654	540	28	8	222	430	75	99.500	7000	2278
GIICL19	710000	950	300~470	470~650	380~540	818	748	630	32	8	232	440	75	175.5	8900	3026
GIICL20	1000000	800	360~540	550~800	450~680	928	838	720	32	10.5	247	470	75	360.75	11000	4430

GIICL G05 Series Taper Bushing Connect Drum Gear Coupling

GIICL6G05—GIICL13G05



GIICL14G05—GIICL20G05



Item No.	Nominal torque Tn	Allow speed n	Shaft hole diameter	Shaft hole length L		D	D_1	D_2	C	H	A	B	e	Rotation inertia I	Grease amount	Weight
			d_1、d_2	Ytype shaft	J_1type shaft											
	N.m	r/min	mm											$kg.m^2$	ml	kg
GIICL6G05	5000	4000	45~55	112~172	84~132	187	153	125	10	2.5	56	110	42	0.0843	148	31
GIICL7G05	7100	3750	50~70	112~212	84~167	204	170	140	10	2.5	60	118	42	0.151	175	48
GIICL8G05	10000	3300	55~75	112~212	84~167	230	186	155	12	3	67	142	47	0.241	268	60
GIICL9G05	16000	3000	60~95	142~252	107~202	256	212	180	12	3	69	146	47	0.470	310	96
GIICL10G05	22400	2650	65~100	142~252	107~202	287	239	200	14	3.5	78	164	47	0.745	472	119
GIICL11G05	35500	2350	80~150	142~302	107~242	352	276	235	14	3.5	81	170	47	1.588	550	189
GIICL12G05	50000	2100	120~160	142~352	107~282	362	313	270	16	4	89	190	49	3.055	695	285
GIICL13G05	71000	1850	150~190	252~352	202~282	412	350	300	18	4.5	98	208	49	4.918	1019	360
GIICL14G05	112000	1650	170~200	302~410	242~330	462	418	335	22	5.5	172	296	63	9.725	3900	544
GIICL15G05	180000	1500	190~250	352~470	282~380	512	465	380	22	5.5	182	316	63	17.45	3700	786
GIICL16G05	250000	1300	220~280	352~470	282~380	580	522	430	28	7	209	354	67	29.1	4500	1027
GIICL17G05	355000	1200	260~320	410~550	330~450	644	582	490	28	7	198	364	67	53.725	4900	1532
GIICL18G05	500000	1050	300~360	470~650	380~540	726	654	540	28	8	222	430	75	99.500	7000	2278
GIICL19G05	710000	950	360~420	470~650	380~540	818	748	630	32	8	232	440	75	175.5	8900	3026
GIICL20G05	1000000	800	420~500	550~800	450~680	928	838	720	32	10.5	247	470	75	360.75	11000	4430

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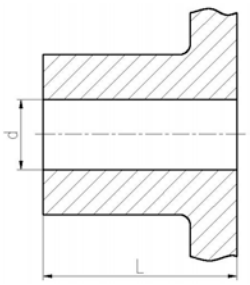
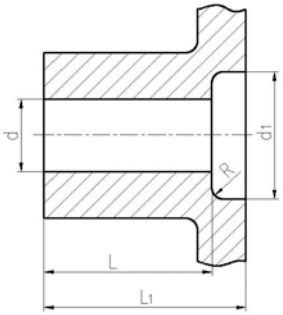
Coupling Bore Type and Connection Type

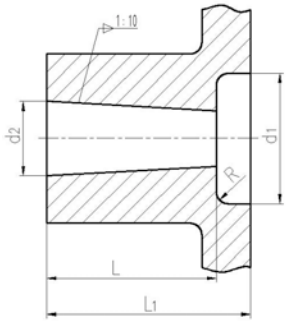
Coupling Bore Type And Its Code



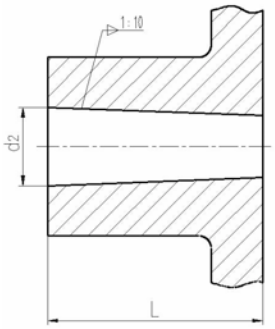
Y Type:Cylindrical Bore



J Type:Cylindrical Bore with Counterbore

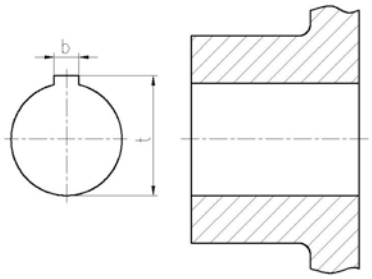


Z Type:Long Taper Bore with Counterbore

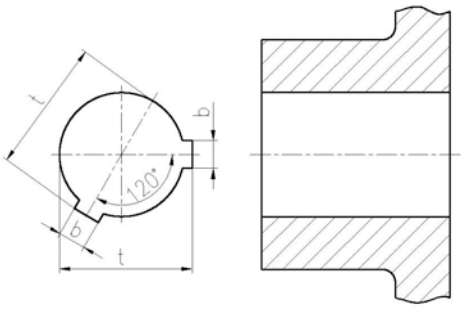


Z1 Type:Long Taper Bore

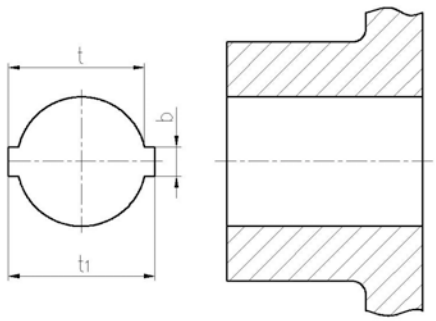
Connection Type And Its Code



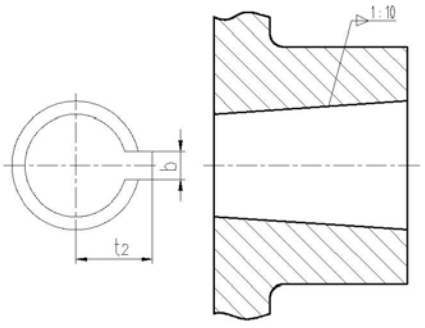
A Type:Single Parallel Keyway



B Type:120° Double Parallel Keyway



B1 Type:180 Double Parallel Keyway



C Type:Long Taper Bore Single Parallel Keyway