
IKUSE F Disc Coupling

Overview

A compact disc connection accommodates large bores with a comparatively small outside diameter. It is intended for large machines requiring convenient assembly and removal.

Construction

Large permissible bore and compact outside diameter. Select the spacer and shaft-end connections for the specific machine.

Applications

Large machines operating below 10000 rpm; check the limit for the selected size separately.

Selection

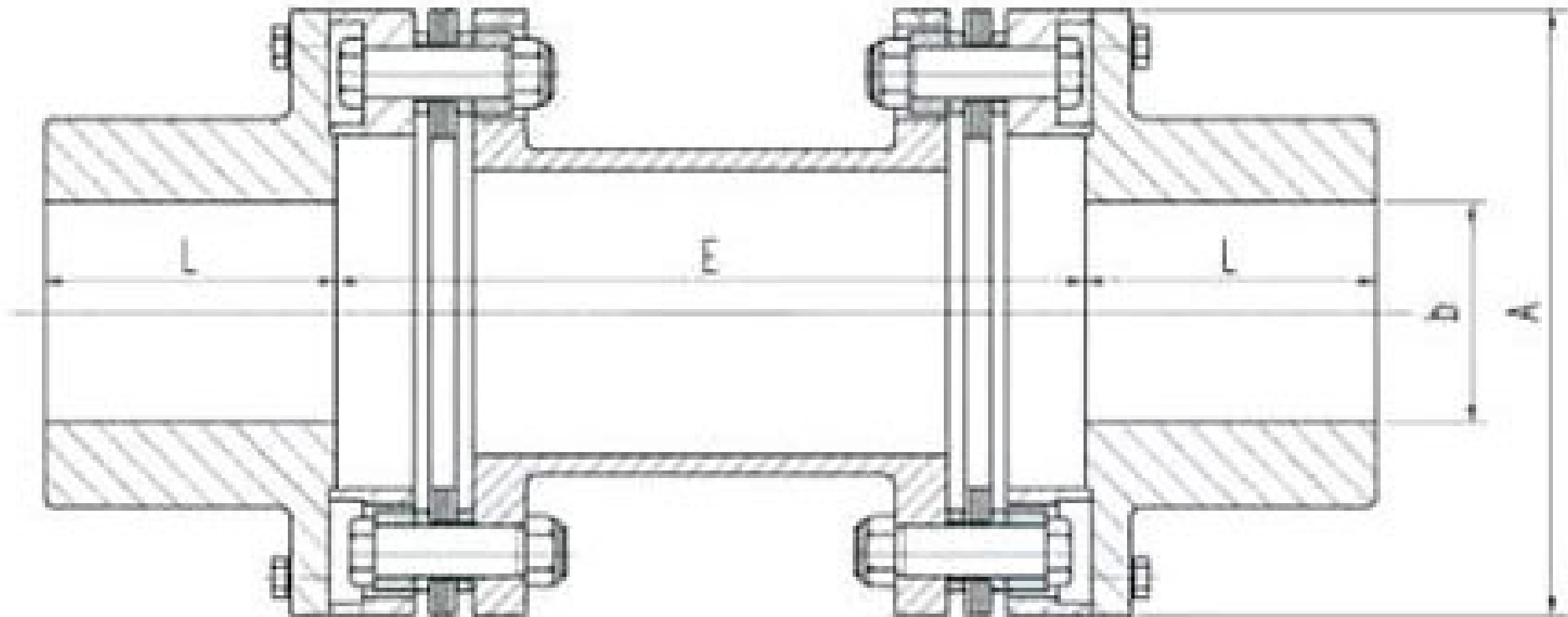
Changing shaft-end separation E affects torsional stiffness, inertia and mass. Check these values against the final drawing.

Ordering information

Specify equipment type, transmitted power, operating speed, load characteristics, both shaft diameters and extension lengths, shaft-end separation and installation space. Include any brake, dynamic-balancing or elastic-element requirements.

IKUSE F Disc Coupling

Construction and installation dimensions



F Main dimensions

Table 1 / 2 · Units and model designations in the headers

Model			A	bmax	L	Emin
6090			95	50	55	80
6120			122	60	65	101
6150			150	80	85	119
6170			170	95	100	136
6190			190	105	115	150
6210			210	120	130	160
6240	8240		240	130	140	180
6260	8260		265	140	150	208
6280	8280		280	160	160	208
6310	8310	1310	310	175	185	238
	8340	1340	340	190	210	263
	8370	1370	370	205	220	283
	8400	1400	400	225	250	291
	8430	1430	430	245	260	320
	8460	1460	460	265	280	332
		1490	490	285	295	337
		1520	516	295	315	375
		1560	560	325	340	375
		1600	600	360	380	375

- Notes:
1. Technical data are based on the dimensions in the dimensional table.
 2. When shaft-end separation E is changed, calculate the modified coupling parameters using the table data.

$$T_{\text{new}} = \frac{T_s \cdot T_e}{L \cdot T_s + T_e} \text{ Nm/rad}$$

$$L = \frac{E - E_{\text{min}}}{1000} \text{ MM}$$

- T = torsional stiffness
- E = new shaft-end separation
3. Consult IKUSE technical staff for other changes.

F Technical specifications

Table 2 / 2 · Units and model designations in the headers

Model	Allowable torque coefficient (kW/rpm)	Nominal torque (kN·m)	Peak torque (kN·m)	Maximum speed (rpm)	Complete coupling			Per metre of spacer tube			Allowable axial displacement		Allowable angular misalignment (°)
					Mass (kg)	Mass moment of inertia (kg·m²)	Torsional stiffness TS (MNm/rad)	Mass (kg)	Mass moment of inertia (kg·m²)	Torsional stiffness TS (MNm/rad)	Coupling (mm)	Displacement force (N)	
6090	0.05	0.5	0.62	35000	3.66	0.0025	0.32	3.30	0.003	0.03	1.2	480	0.375
6120	0.11	1.1	1.37	30000	6.90	0.01	0.67	4.13	0.004	0.04	1.8	790	0.375
6150	0.17	1.7	2.12	26000	13.42	0.04	1.27	5.50	0.011	0.12	2.1	1000	0.375
6170	0.28	2.8	3.50	24000	19.88	0.08	1.73	6.14	0.015	0.16	2.9	1500	0.375
6190	0.48	4.8	6.00	22000	30.52	0.15	3.12	9.85	0.032	0.33	3.1	1800	0.375
6210	0.78	7.8	9.75	20000	41.85	0.27	4.59	12.70	0.052	0.55	3.5	1900	0.375
6240	1.20	12	15.00	17500	55.00	0.45	6.28	15.92	0.090	0.92	4.2	2600	0.375
6260	1.50	15	18.75	16500	70.00	0.76	8.65	18.36	0.180	1.90	4.6	2900	0.375
6280	1.75	17.5	21.87	16000	88.83	0.99	10.75	22.00	0.290	2.92	5.0	3300	0.375
6310	2.36	23.6	29.50	13500	122.00	1.70	13.50	29.94	0.300	3.05	5.5	4000	0.375
8240	1.5	15.0	18.75	17500	55.00	0.45	6.28	15.72	0.090	0.92	2.5	3000	0.250
8260	1.75	17.5	21.87	16500	70.00	0.76	8.65	18.36	0.180	1.90	4.6	2900	0.375
8280	2.68	26.8	33.50	16000	88.83	0.99	10.75	22.00	0.290	2.92	3.1	4000	0.250
8310	2.96	29.6	37.00	13500	122.00	1.70	13.50	29.94	0.300	3.05	3.8	4900	0.250
8340	3.75	37.5	46.87	12000	165.00	2.73	16.35	38.28	0.460	4.63	4.2	7000	0.250
8370	4.70	47.0	58.75	11000	207.00	4.05	22.00	47.50	0.690	6.95	4.6	8900	0.250
8400	6.30	63.0	78.75	10000	238.00	7.49	25.36	55.60	0.950	9.60	5.1	10000	0.250
8430	8.00	80.0	100.00	9500	334.00	8.87	38.65	63.80	1.350	13.90	5.9	12000	0.250
8460	8.50	85.0	106.25	9000	410.00	12.68	49.65	75.62	1.750	18.00	6.3	14000	0.250
8490	10.50	105.0	131.25	8500	487.00	16.90	60.50	80.60	2.100	22.00	6.8	15000	0.250
1310	3.92	39.2	49.85	13500	122.00	1.70	13.50	29.94	0.300	3.05	2.4	8000	0.165
1340	4.87	48.7	61.90	12000	165.00	2.73	16.35	38.28	0.460	4.63	2.8	15000	0.165
1370	6.25	62.5	79.35	11000	207.00	4.05	22.00	47.50	0.690	6.95	3.2	16500	0.165
1400	8.40	84.0	106.65	10000	238.00	7.49	25.36	55.60	0.950	9.60	3.6	19000	0.165
1430	10.65	106.5	135.50	9500	334.00	8.87	38.65	63.80	1.350	13.90	4.0	21000	0.165
1460	11.3	113.0	143.50	9000	410.00	12.68	49.65	75.60	1.750	18.00	4.3	22000	0.165
1490	14.00	140.0	177.80	8500	487.00	16.90	60.50	80.60	2.100	22.00	4.7	23000	0.165
1520	16.50	165.0	206.25	7700	583.00	22.36	70.00	86.00	2.550	26.00	5.0	27000	0.165
1560	18.30	183.0	228.75	7500	731.00	33.44	106.57	93.50	3.300	34.50	5.7	30000	0.165
1600	26.00	260.0	325.00	7000	908.00	47.89	140.48	142.00	5.200	54.71	6.2	35000	0.165

- Notes:
- Technical data are based on the dimensions in the dimensional table.
 - When shaft-end separation E is changed, calculate the modified coupling parameters using the table data.

$$T_{\text{new}} = \frac{T_s \cdot T_e}{L \cdot T_s + T_e} \text{ Nm/rad}$$

$$L = \frac{E - E_{\text{min}}}{1000} \text{ MM}$$

- T = torsional stiffness
- E = new shaft-end separation
- Consult IKUSE technical staff for other changes.

IKUSE G Disc Coupling

Overview

For large-diameter shafts and connections requiring convenient assembly. Cylindrical bores, tapered bores or flange connections are available according to the equipment interface.

Construction

Two flexible disc packs, selectable shaft connections and a spacer facilitate dismantling and maintenance.

Applications

Large electric motors, generators and steam-turbine units.

Selection

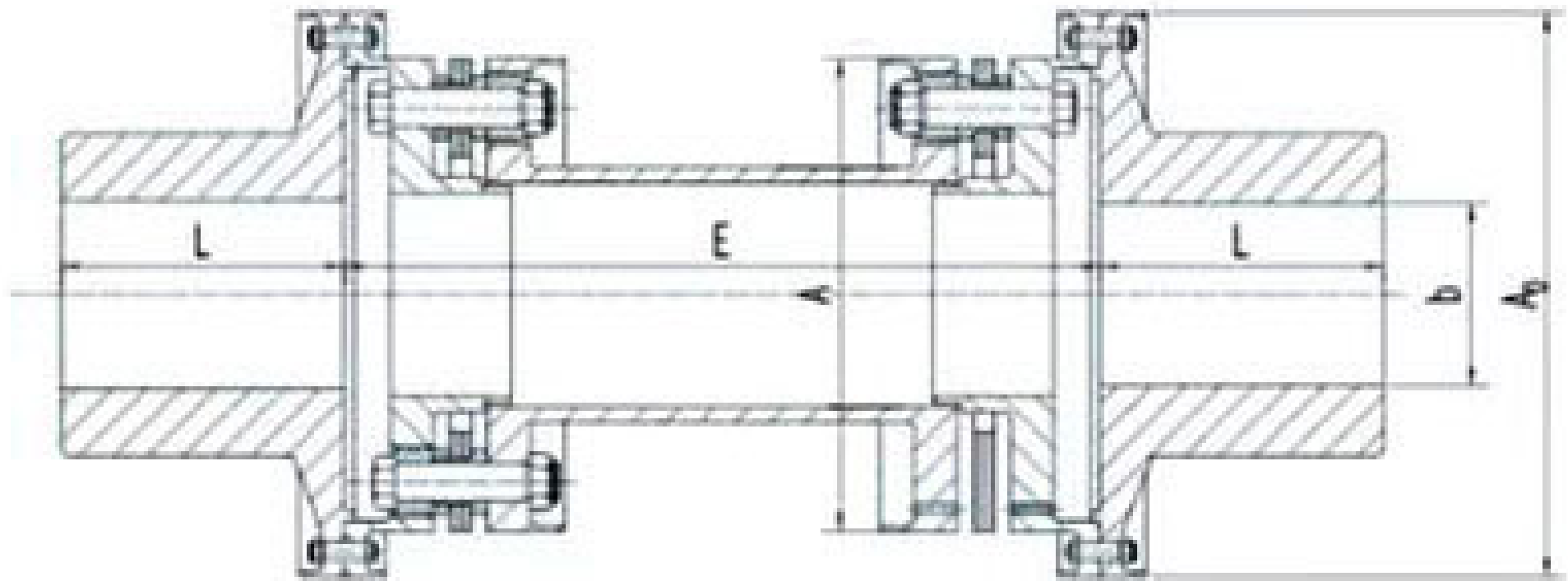
Confirm cylindrical, tapered or flange connections when ordering. Recheck dynamic parameters if shaft-end separation changes.

Ordering information

Specify equipment type, transmitted power, operating speed, load characteristics, both shaft diameters and extension lengths, shaft-end separation and installation space. Include any brake, dynamic-balancing or elastic-element requirements.

IKUSE G Disc Coupling

Construction and installation dimensions



Model			A ₀	A	bmax	L	Emin
6090			125	95	65	65	160
6120			155	122	85	85	180
6150			188	150	100	100	200
6170			212	170	115	115	230
6190			233	190	130	130	260
6210			260	210	145	140	265
6240	8240		295	240	165	160	280
6260	8260		310	265	180	180	310
6280	8280		334	280	195	190	310
6310	8310	1310	362	310	215	215	345
	8340	1340	392	340	240	240	390
	8370	1370	430	370	255	255	420
	8400	1400	466	400	280	275	430
	8430	1430	496	430	300	295	480
	8460	1460	531	460	320	315	500
	8490	1490	562	490	345	335	530
		1520	594	516	360	355	580
		1560	638	560	395	380	580
		1600	680	600	420	410	590

- Notes:
- Technical data are based on the dimensions in the dimensional table.
 - When shaft-end separation E is changed, calculate the modified coupling parameters using the table data.

$$T_{\text{new}} = \frac{T_s \cdot T_e}{L \times T_s + T_e} \text{ Nm/rad}$$
$$L = \frac{E - E_{\text{min}}}{1000} \text{ MM}$$

- T = torsional stiffness
- E = new shaft-end separation
- Consult IKUSE technical staff for other changes.

G Technical specifications

Table 2 / 2 · Units and model designations in the headers

Model Size	Allowable torque coefficient (kW/rpm)	Nominal torque Tn (kN·m)	Peak torque (kN·m)	Maximum speed (rpm)	Complete coupling			Per metre of spacer tube			Allowable axial displacement		Allowable angular misalignment (°)
					Mass (kg)	Mass moment of inertia (kg·m²)	Torsional stiffness TS (Nm/rad)	Mass (kg)	Mass moment of inertia (kg·m²)	Torsional stiffness Te (Nm/rad)	Coupling (mm)	Displacement force (N)	
6090	0.05	0.5	0.62	32000	6	0.01	0.09	3.30	0.003	0.03	1.2	480	0.375
6120	0.11	1.1	1.37	26000	12	0.03	0.16	4.13	0.004	0.04	1.8	790	0.375
6150	0.17	1.7	2.12	20000	22	0.08	0.33	5.50	0.011	0.12	2.1	1000	0.375
6170	0.28	2.8	3.50	18300	32	0.15	0.62	6.14	0.015	0.16	2.9	1500	0.375
6190	0.48	4.8	6.00	17000	45	0.28	1.06	9.85	0.032	0.33	3.1	1800	0.375
6210	0.78	7.8	9.75	15000	56	0.41	1.56	12.70	0.052	0.55	3.5	1900	0.375
6240	1.20	12	15.00	13500	78	0.75	2.85	15.92	0.090	0.92	4.2	2600	0.375
6260	1.50	15	18.75	12500	105	1.35	3.64	18.56	0.180	1.90	4.6	2900	0.375
6280	1.75	17.5	21.87	12000	124	1.80	4.60	22.00	0.290	2.92	5.0	3300	0.375
6310	2.36	23.6	29.50	11000	162	2.80	6.70	29.94	0.300	3.05	5.5	4000	0.375
8240	1.5	15.0	18.75	13500	78	0.76	3.50	15.72	0.090	0.92	2.5	3000	0.250
8260	1.75	17.5	21.87	12500	105	1.35	3.64	18.56	0.180	1.90	2.8	3500	0.250
8280	2.68	26.8	33.50	12000	124	1.82	5.85	22.00	0.290	2.92	3.1	4000	0.250
8310	2.96	29.6	37.00	11000	162	2.83	8.40	29.94	0.300	3.05	3.8	4900	0.250
8340	3.75	37.5	46.87	9800	221	4.65	13.90	38.28	0.460	4.63	4.2	7000	0.250
8370	4.70	47.0	58.75	9100	284	6.65	21.00	47.50	0.690	6.95	4.6	8900	0.250
8400	6.30	63.0	78.75	8400	357	9.70	27.00	55.60	0.950	9.60	5.1	10000	0.250
8430	8.00	80.0	100.00	7800	430	13.25	33.00	63.80	1.350	13.90	5.9	12000	0.250
8460	8.50	85.0	106.25	7400	526	19.00	38.00	75.62	1.750	18.00	6.3	14000	0.250
8490	10.50	105.0	131.25	6900	634	25.70	46.00	80.60	2.100	22.00	6.8	15000	0.250
1310	3.92	39.2	49.85	11000	163	2.85	10.10	29.94	0.300	3.05	2.4	8000	0.165
1340	4.87	48.7	61.90	9800	222	4.67	17.40	38.28	0.460	4.63	2.8	15000	0.165
1370	6.25	62.5	79.35	9100	289	6.68	27.10	47.50	0.690	6.95	3.2	16500	0.165
1400	8.40	84.0	106.65	8400	359	9.78	35.00	55.60	0.950	9.60	3.6	19000	0.165
1430	10.65	106.5	135.50	7800	435	13.34	42.80	63.80	1.350	13.90	4.0	21000	0.165
1460	11.3	113.0	143.50	7400	528	19.85	48.60	75.60	1.750	18.00	4.3	22000	0.165
1490	14.00	140.0	177.80	6900	637	26.82	59.80	80.60	2.100	22.00	4.7	23000	0.165
1520	16.50	165.0	206.25	6500	814	39.00	90.00	86.00	2.550	26.00	5.0	27000	0.165
1560	18.30	183.0	228.75	6100	940	52.00	102.00	93.50	3.300	34.50	5.7	30000	0.165
1600	26.00	260.0	325.00	5900	1200	78.00	118.00	142.00	5.200	54.71	6.2	35000	0.165

- Notes:
1. Technical data are based on the dimensions in the dimensional table.
 2. When shaft-end separation E is changed, calculate the modified coupling parameters using the table data.

$$T_{new} = \frac{T_s \cdot T_e}{L \cdot T_s + T_e} \text{ Nm/rad}$$

$$L = \frac{E - E_{min}}{1000} \text{ MM}$$

T = torsional stiffness

E = new shaft-end separation

3. Consult IKUSE technical staff for other changes.

IKUSE R Disc Coupling

Overview

Flexible assemblies located close to the bearings and an intermediate section reduce additional bending moments at the shaft ends. Used in high-speed drives.

Construction

Detachable connections between the flexible assemblies and spacer facilitate maintenance. Check installation prestretch against thermal displacement.

Applications

High-speed equipment requiring dynamic balancing and accommodation of thermal displacement.

Selection

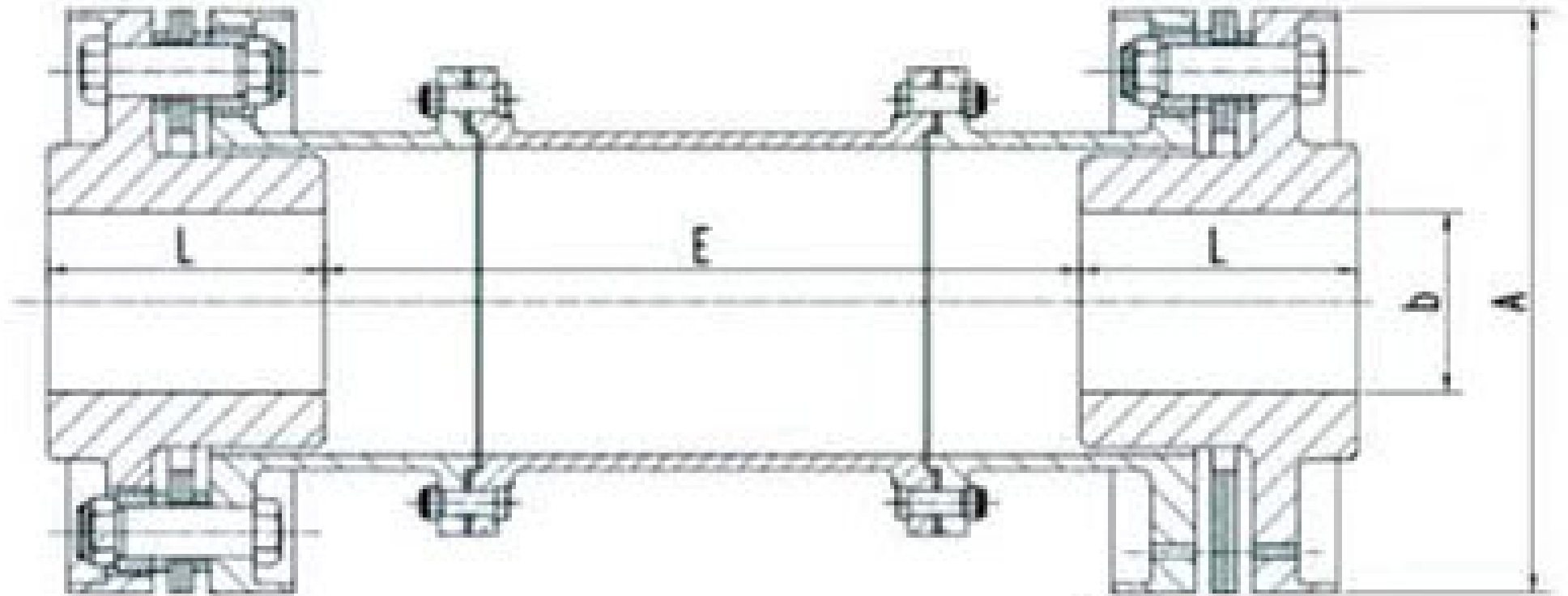
Assemble, align and balance according to the final drawings. Do not mix parameters for configurations with different shaft separations.

Ordering information

Specify equipment type, transmitted power, operating speed, load characteristics, both shaft diameters and extension lengths, shaft-end separation and installation space. Include any brake, dynamic-balancing or elastic-element requirements.

IKUSE R Disc Coupling

Construction and installation dimensions



R Main dimensions

Table 1 / 2 · Units and model designations in the headers

Model			A	bmax	L	Emin
6090			95	35	40	160
6120			122	50	55	170
6150			150	60	65	190
6170			170	65	70	210
6190			190	75	75	230
6210			210	85	85	230
6240	8240		240	105	100	250
6260	8260		265	115	110	260
6280	8280		280	125	120	260
6310	8310	1310	310	140	140	270
	8340	1340	340	150	150	290
	8370	1370	370	165	170	310
	8400	1400	400	180	180	320
	8430	1430	430	195	200	390
	8460	1460	460	205	210	400
		1490	490	220	220	410
		1520	516	235	235	450
		1560	560	255	250	460
		1600	600	280	290	480

- Notes:
1. Technical data are based on the dimensions in the dimensional table.
 2. When shaft-end separation E is changed, calculate the modified coupling parameters using the table data.

$$T_{\text{new}} = \frac{T_s \cdot T_e}{L \cdot T_s + T_e} \text{ Nm/rad}$$

$$L = \frac{E - E_{\text{min}}}{1000} \text{ MM}$$

T = torsional stiffness

E = new shaft-end separation

3. Consult IKUSE technical staff for other changes.

R Technical specifications

Table 2 / 2 · Units and model designations in the headers

IKUSE

Model	Allowable torque coefficient (kW/rpm)	Nominal torque Tn (kN·m)	Peak torque (kN·m)	Maximum speed (rpm)	Complete coupling			Per metre of spacer tube			Allowable axial displacement		Allowable angular misalignment (°)
					Mass (kg)	Mass moment of inertia (kg·m²)	Torsional stiffness TS (Nm/rad)	Mass (kg)	Mass moment of inertia (kg·m²)	Torsional stiffness Te (MNm/rad)	Coupling (mm)	Displacement force (N)	
6090	0.05	0.5	0.62	35000	4.50	0.004	0.09	3.30	0.003	0.03	1.2	480	0.375
6120	0.11	1.1	1.37	30000	6.50	0.010	0.16	4.13	0.004	0.04	1.8	790	0.375
6150	0.17	1.7	2.12	26000	13.00	0.032	0.30	5.50	0.011	0.12	2.1	1000	0.375
6170	0.28	2.8	3.50	24000	19.00	0.070	0.43	6.14	0.015	0.16	2.9	1500	0.375
6190	0.48	4.8	6.00	22000	26.00	0.110	0.70	9.85	0.032	0.33	3.1	1800	0.375
6210	0.78	7.8	9.75	20000	34.00	0.170	1.18	12.70	0.052	0.55	3.5	1900	0.375
6240	1.20	12	15.00	17500	50.00	0.380	2.05	15.92	0.090	0.92	4.2	2600	0.375
6260	1.50	15	18.75	16800	61.00	0.560	2.63	18.56	0.180	1.90	4.6	2900	0.375
6280	1.75	17.5	21.87	16000	72.00	0.700	3.08	22.00	0.290	2.92	5.0	3300	0.375
6310	2.36	23.6	29.50	13500	88.00	1.100	5.10	29.94	0.300	3.05	5.5	4000	0.375
8240	1.5	15.0	18.75	17500	50.00	0.400	2.20	15.72	0.090	0.92	2.5	3000	0.250
8260	1.75	17.5	21.87	16000	61.00	0.560	2.63	18.56	0.180	1.90	2.8	3500	0.250
8280	2.68	26.8	33.50	16000	72.00	0.810	4.00	22.00	0.290	2.92	3.1	4000	0.250
8310	2.96	29.6	37.00	13500	89.00	1.200	5.50	29.94	0.300	3.05	3.8	4900	0.250
8340	3.75	37.5	46.87	12000	135.00	1.960	8.00	38.28	0.460	4.63	4.2	7000	0.250
8370	4.70	47.0	58.75	11000	160.00	3.000	10.50	47.50	0.690	6.95	4.6	8900	0.250
8400	6.30	63.0	78.75	10000	204.00	4.000	12.10	55.60	0.950	9.60	5.1	10000	0.250
8430	8.00	80.0	100.00	9500	275.00	6.000	15.00	63.80	1.350	13.90	5.9	12000	0.250
8460	8.50	85.0	106.25	9000	325.00	7.100	19.00	75.62	1.750	18.00	6.3	14000	0.250
8490	10.50	105.0	131.25	8500	385.00	11.200	23.00	80.60	2.100	22.00	6.8	15000	0.250
1310	3.92	39.2	49.85	13500	89.00	1.250	5.80	29.94	0.300	3.05	2.4	8000	0.165
1340	4.87	48.7	61.90	12000	136.00	2.000	8.30	38.28	0.460	4.63	2.8	15000	0.165
1370	6.25	62.5	79.35	11000	161.00	3.050	11.00	47.50	0.690	6.95	3.2	16500	0.165
1400	8.40	84.0	106.65	10000	205.00	4.080	12.50	55.60	0.950	9.60	3.6	19000	0.165
1430	10.65	106.5	135.50	9500	276.00	6.100	15.50	63.80	1.350	13.90	4.0	21000	0.165
1460	11.3	113.0	143.50	9000	326.00	7.200	19.60	75.60	1.750	18.00	4.3	22000	0.165
1490	14.00	140.0	177.80	8500	387.00	12.000	23.80	80.60	2.100	22.00	4.7	23000	0.165
1520	16.50	165.0	206.25	7700	468.00	16.500	25.00	86.00	2.550	26.00	5.0	27000	0.165
1560	18.30	183.0	228.75	7500	578.00	22.500	34.50	93.50	3.300	34.50	5.7	30000	0.165
1600	26.00	260.0	325.00	7000	660.00	29.200	45.80	142.00	5.200	54.71	6.2	35000	0.165

- Notes:
1. Technical data are based on the dimensions in the dimensional table.
 2. When shaft-end separation E is changed, calculate the modified coupling parameters using the table data.

$$T_{new} = \frac{T_s \cdot T_e}{L \cdot T_s + T_e} \text{ Nm/rad}$$
$$L = \frac{E - E_{min}}{1000} \text{ MM}$$

- T = torsional stiffness
- E = new shaft-end separation
3. Consult IKUSE technical staff for other changes.

IKUSE SK3 / SK4 / SK5 Diaphragm Couplings

Overview

Metal diaphragms provide flexible compensation for high-speed machines and compact shaft connections.

Construction

Flexible diaphragms accommodate specified axial, radial and angular displacements. Capacity differs between series.

Applications

Compressors, high-speed turbomachinery, fans and pumps.

Selection

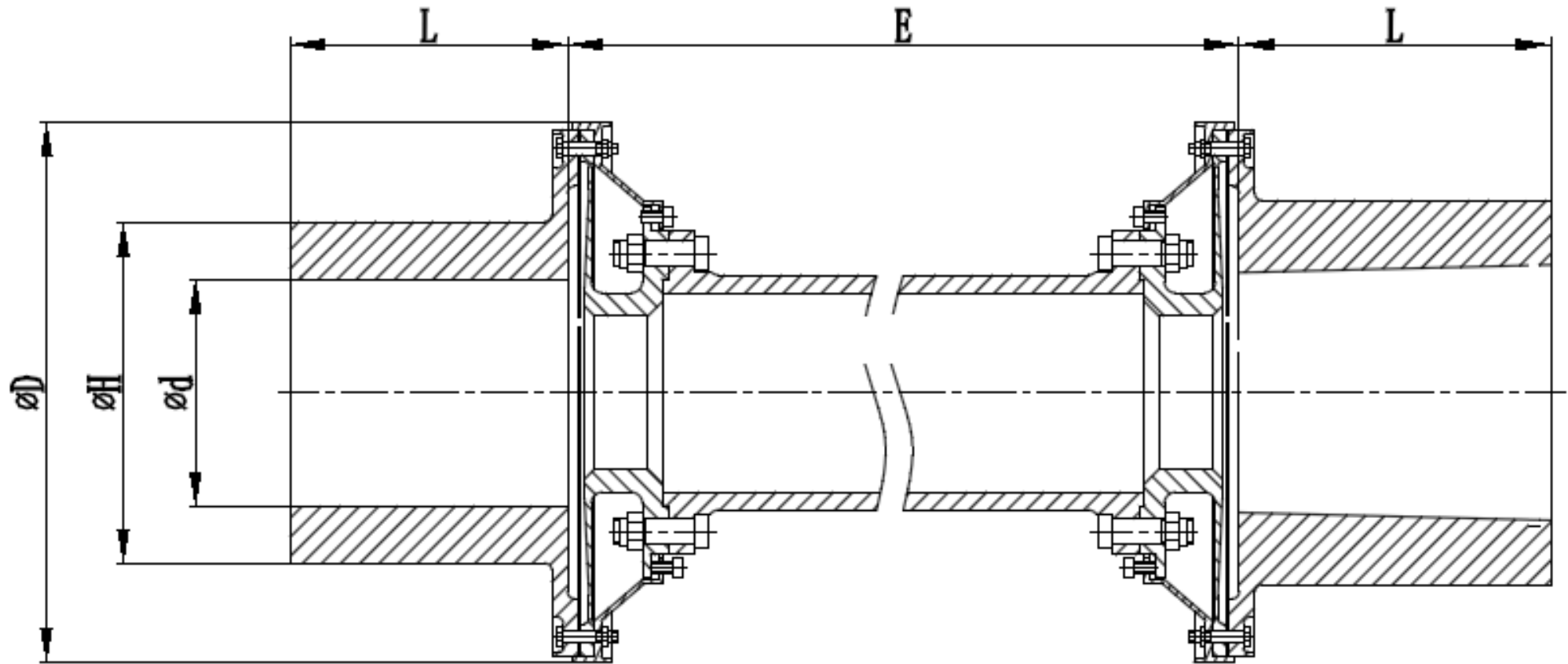
Catalogue angular capacities for SK3, SK4 and SK5 are respectively $1/3^\circ$, $1/4^\circ$ and $1/5^\circ$. Select each series using its own table.

Ordering information

Specify equipment type, transmitted power, operating speed, load characteristics, both shaft diameters and extension lengths, shaft-end separation and installation space. Include any brake, dynamic-balancing or elastic-element requirements.

IKUSE SK3 / SK4 / SK5 Diaphragm Couplings

Construction and installation dimensions



Model	Nominal torque KN·m	Peak torque KN·m	Transient torque KN·m	Maximum speed r/min	Maximum bore d	D	L	H	Mass moment of inertia Kg·m ²	Mass Kg	Misalignment capacity	
					mm						Axialmm	Angular。
SK388	0.27	0.36	0.48	60000	40	88	50	60	0.002	2.52	0.8	0.33
SK3110	0.62	0.85	1.12	45000	50	110	60	80	0.005	4.71	1.0	0.33
SK3160	2.25	2.96	3.98	32000	75	160	90	115	0.03	12	1.5	0.33
SK3186	4.52	5.95	7.98	28000	95	186	100	140	0.07	19.9	2.0	0.33
SK3238	9.98	13.2	17.5	22000	125	238	140	190	0.28	45	2.5	0.33
SK3285	19.98	26.5	35.2	18000	155	285	180	235	0.75	81.5	3.2	0.33
SK3336	35.6	47	62.5	16000	190	336	200	285	2	140	4.0	0.33
SK3380	49.95	66.4	88.8	14000	215	380	240	325	3.7	202	4.5	0.33
SK3436	79.96	105.8	142.2	12000	250	436	280	380	7.8	320	5.1	0.33
SK3485	112.3	147.5	198.6	11000	280	485	320	425	13.5	432	5.7	0.33
SK3576	200	265.5	352	9000	340	576	390	510	35	750	7.0	0.33
SK3672	224.5	298.6	395.6	6500	400	672	450	600	80	1250	7.8	0.33
SK3835	448.8	598.2	791.3	5000	490	835	550	745	230	2350	9.8	0.33
SK31010	800.2	1058	1397	4000	600	1010	650	910	620	4200	12.0	0.33
SK31165	1398	1856	3272	3600	700	1165	780	1050	1270	6400	14.0	0.33

SK4 Technical specifications and main dimensions

Table 2 / 3 · Units and model designations in the headers

IKUSE

Model	Nominal torque KN·m	Peak torque KN·m	Transient torque KN·m	Maximum speed r/min	Maximum bore d	D	L	H	Mass moment of inertia Kg·m ²	Mass Kg	Misalignment capacity	
					mm						Axialmm	Angular。
SK488	0.34	0.45	0.6	60000	40	88	50	60	0.002	2.53	0.6	0.25
SK4110	0.78	1.05	1.41	45000	50	110	60	80	0.005	4.89	0.8	0.25
SK4160	2.78	3.7	4.96	32000	75	160	90	115	0.031	12.8	1.2	0.25
SK4186	5.56	7.48	9.93	28000	95	186	100	140	0.072	20.3	1.5	0.25
SK4238	12.4	16.62	22	22000	125	238	140	190	0.288	46	2.0	0.25
SK4285	25.2	33	44.3	18000	155	285	180	235	0.772	83.2	2.5	0.25
SK4336	44.88	60	79.2	16000	190	336	200	285	2.02	145.7	3.1	0.25
SK4380	62.5	82.5	110	14000	215	380	240	325	3.75	205.4	3.5	0.25
SK4436	98.8	132	176.5	12000	250	436	280	380	7.96	324.1	4.1	0.25
SK4485	140.5	185	248.7	11000	280	485	320	425	13.72	438.6	4.5	0.25
SK4576	249.7	330	440	9000	340	576	390	510	35.61	757.7	5.5	0.25
SK4672	280.2	370	390	6500	400	672	450	600	80.43	1260	6.0	0.25
SK4835	558	745	985	5000	490	835	550	745	231.1	2380	7.6	0.25
SK41010	1118	1332	1966	4000	600	1010	650	910	622.3	4220	9.5	0.25
SK41165	1802	2386	3183	3600	700	1165	780	1050	1283	6420	11.0	0.25

IKUSE · Merged entries for a model apply to all corresponding size rows.

SK5 Technical specifications and main dimensions

Table 3 / 3 · Units and model designations in the headers

IKUSE

Model	Nominal torque KN·m	Peak torque KN·m	Transient torque KN·m	Maximum speed r/min	Maximum bore d	D	L	H	Mass moment of inertia Kg·m ²	Mass Kg	Misalignment capacity	
					mm						Axialmm	Angular。
SK588	0.48	0.65	0.85	60000	40	88	50	60	0.002	2.82	0.4	0.2
SK5110	1.1	1.5	1.95	45000	50	110	60	80	0.006	5.46	0.6	0.2
SK5160	4	5.3	7	32000	75	160	90	115	0.032	13.5	0.8	0.2
SK5186	8	10.5	14	28000	95	186	100	140	0.073	22.1	1.0	0.2
SK5238	17.7	24	32	22000	125	238	140	190	0.289	47.8	1.3	0.2
SK5285	35.2	47.5	61.2	18000	155	285	180	235	0.775	83.3	1.7	0.2
SK5336	62.5	82.8	109.8	16000	190	336	200	285	2.08	147.2	2.1	0.2
SK5380	88.7	120	156	14000	215	380	240	325	3.77	207.5	2.4	0.2
SK5436	140.2	185	245.3	12000	250	436	280	380	7.98	328.6	2.8	0.2
SK5485	198	265	349.7	11000	280	485	320	425	13.85	441.2	3.1	0.2
SK5576	350	470	630.4	9000	340	576	390	510	35.72	761.3	3.8	0.2
SK5672	400	528	705.8	6500	400	672	450	600	80.76	1265	4.2	0.2
SK5835	802	1052	1395	5000	490	835	550	745	232.2	2385	5.3	0.2
SK51010	1610	2119	2803	4000	600	1010	650	910	624.4	4230	6.5	0.2
SK51165	2495	3302	4411	3600	700	1165	780	1050	1288	6450	7.6	0.2

IKUSE · Merged entries for a model apply to all corresponding size rows.

IKUSE T / D Disc Coupling

Overview

Metal disc packs transmit torque and accommodate shaft misalignment. Suitable applications include pump drives, fans and other rotating equipment.

Design features

The shafts are flexibly connected by metal disc packs, which require no lubrication. A spacer arrangement facilitates maintenance.

Technical specifications and main dimensions

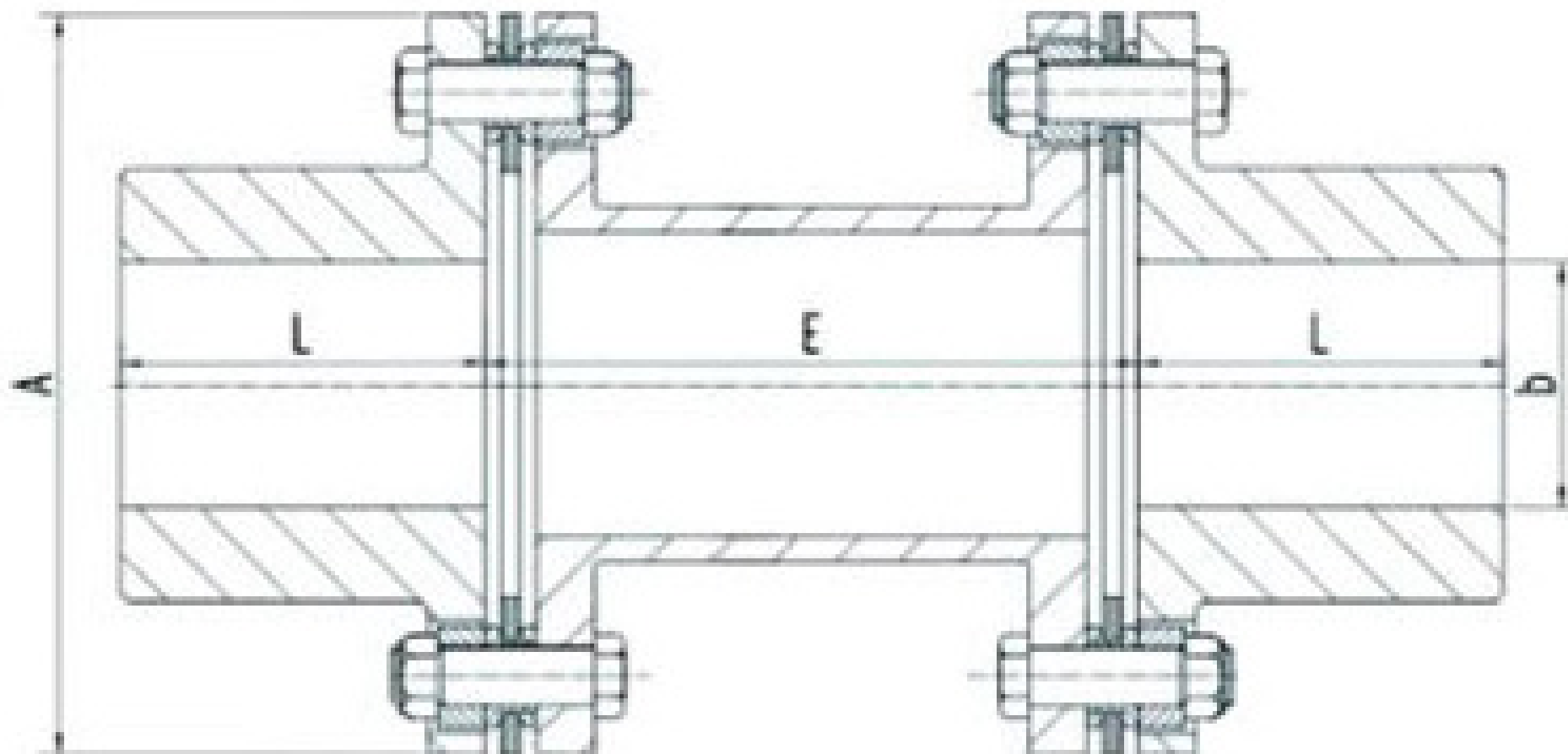
Select Type T or Type D using the corresponding drawing and distance between shaft ends. Data for one type must not be applied directly to the other.

Ordering information

Specify the equipment type, transmitted power, operating speed, load characteristics, diameters and lengths of both shaft ends, distance between shaft ends and available installation space. State any requirements for brakes, dynamic balancing or special flexible elements separately.

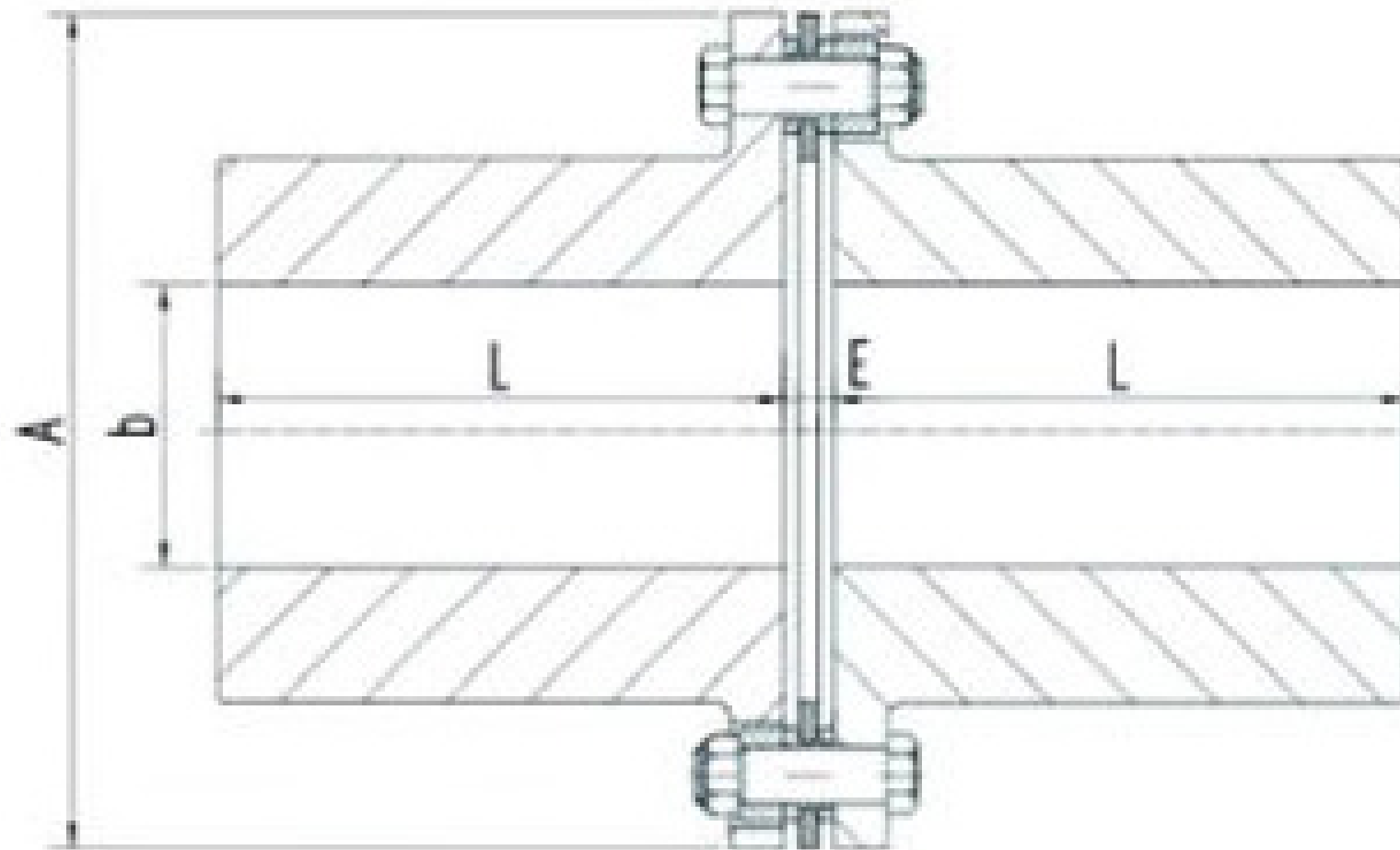
IKUSE | T / D

Construction and installation dimensions



IKUSE | T / D

Construction and installation dimensions



T / D — Technical Specifications and Main Dimensions

Symbols and units are shown in the table headings

Size	Allowable torque coefficient TN (kW/rpm)	Nominal torque Tn (kN·m)	Peak torque Tmax (kN·m)	Allowable speed n (rpm)	Outside diameter A (mm)	Bore b Max (mm)	Shaft extension L Max (mm)	Distance between shaft ends Emin(mm)		Mass (kg)	Mass moment of inertia kg·m²	Misalignment capacity	
								Type T	Type D			Axial (mm)	Angular (°)
6090	0.05	0.5	0.62	35000	95	38	50	85	2	2.50	0.003	2	0.500
6120	0.11	1.1	1.37	30000	122	42	60	110	3	5.50	0.009	3	0.500
6150	0.17	1.7	2.12	26000	150	65	70	110	3	10.60	0.03	3	0.375
6170	0.28	2.8	3.50	24000	170	80	80	125	3	14.90	0.05	3	0.375
6190	0.48	4.8	6.00	22000	190	90	100	140	3	21.60	0.09	3	0.375
6210	0.78	7.8	9.75	20000	210	100	110	145	3	29.30	0.16	3	0.375
6240	1.2	12	15.00	17500	240	120	135	160	3	47.00	0.33	3	0.375
6260	1.5	15	18.75	17000	265	130	150	170	3	55.00	0.54	3	0.375
6280	1.75	17.5	21.87	16000	280	140	160	175	3	72.20	0.67	3	0.375
8310	2.96	29.6	37.00	13500	310	155	180	200	4	106.20	1.20	4	0.250
8340	3.75	37.5	46.87	12000	340	170	200	230	4	138.20	1.92	4	0.250
8370	4.70	47.0	58.75	11000	370	185	220	240	4	176.90	3.63	4	0.250
8400	6.30	63.0	78.75	10000	400	200	235	250	4	226.80	4.32	4	0.250
8430	8.00	80.0	100.00	9500	430	210	245	285	4	282.60	6.4	4	0.250
8460	8.50	85.0	106.25	8900	460	230	270	295	5	345.00	8.9	5	0.250
8490	10.50	105.0	131.25	8200	490	245	290	305	5	404.00	12	5	0.250
1520	16.50	165.0	206.25	7500	516	255	325	340	5	508.60	17	5	0.165
1560	18.30	183.0	228.75	7100	560	280	350	340	6	645.00	17	6	0.165
1600	26.00	260.0	325.00	6500	600	310	380	370	6	823.60	27	6	0.165
1650	39.00	390.0	487.50	5800	650	330	410	400	6	1054.8	54	6	0.165
1720	52.50	525.0	656.25	5400	720	360	445	420	6	1258.0	81	6	0.165
1800	82.50	825.0	1031.25	4200	800	410	520	440	7	2007.0	159	7	0.165
1890	112.50	1125.0	1406.25	3500	890	445	600	440	7	2866.0	289	7	0.165
1990	160.0	1600.0	2000	3000	990	500	720	460	7	4580.0	557	7	0.165

Notes: The data in the table may be modified to meet the requirements of the customer's equipment.
The values for Type D are approximately half those for Type T.