
IKUSE GY Flange coupling

Overview

Provides a rigid connection between two shafts. No elastic element is provided to compensate for misalignment.

Construction and maintenance

Align both shafts during installation and check keys, bolts and bore fits for the selected connection.

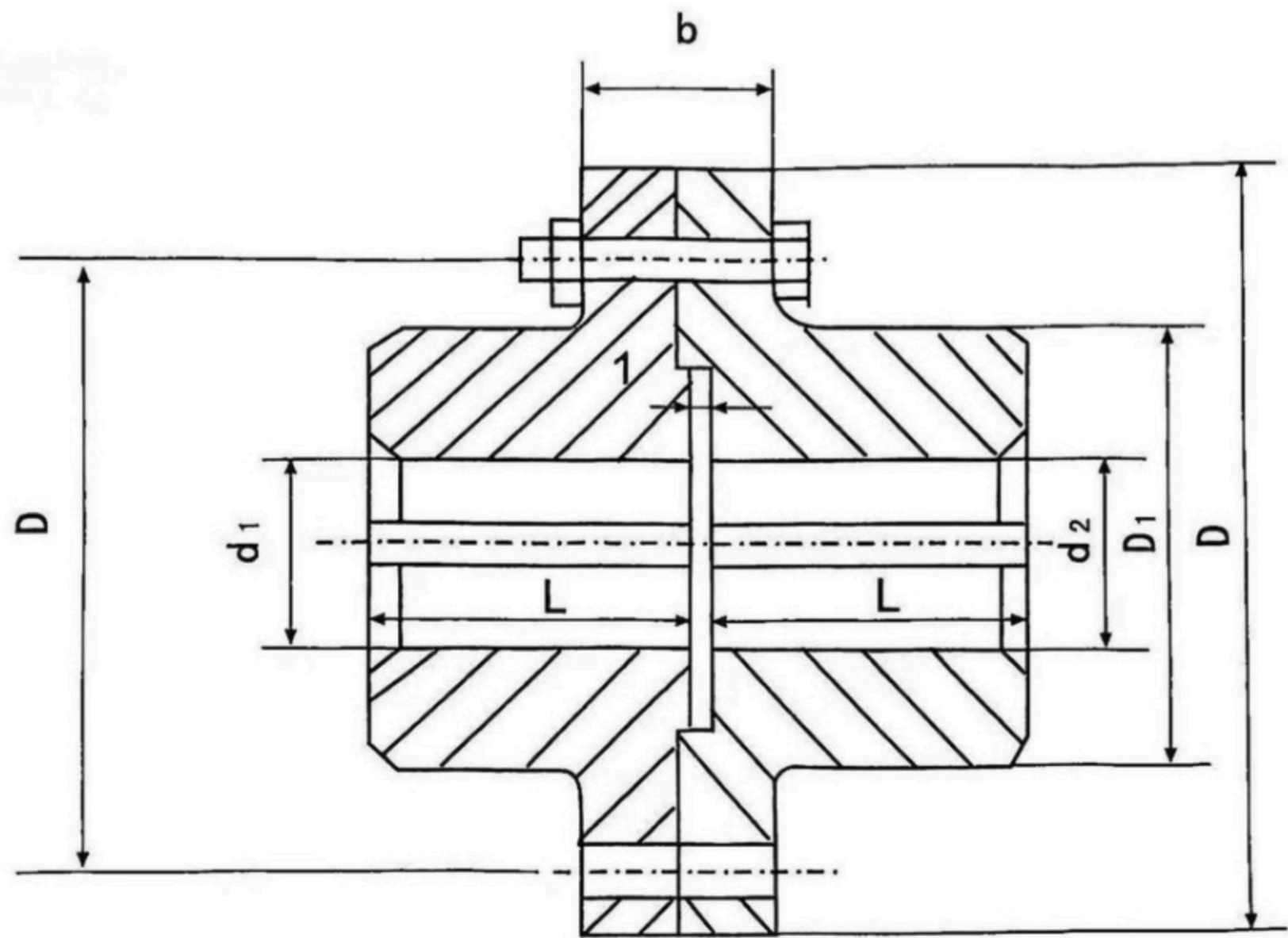
Technical specifications

Torque, speed, bores and installation dimensions must all correspond to the same size.

Ordering information

Specify power, operating speed, load characteristics, both shaft diameters and extension lengths, shaft-end separation and installation conditions. Include brake, dynamic-balancing and elastic-element requirements where applicable.

Structural diagram



Bores, shaft extensions, connection dimensions and installation spacing must correspond to the selected size.

Model	Nominal torque	Allowable speed	Bore diameter	Bore length	D	D ₁	b	b ₁	S	Mass moment of inertia	Mass
	[T] N·m	[n] r/min	d ₁ ,d ₂	Y,J ₁						kg·m ²	kg
GY1	25	12000	12-19	27-42	80	30	26	42	6	0.0008	1.16
GY2	63	10000	16-25	30-62	90	40	28	44	6	0.0015	1.72
GY3	112	9500	20-28	38-62	100	45	30	46	6	0.0025	2.38
GY4	224	9000	25-35	44-82	105	55	32	48	6	0.003	3.15
GY5	400	8000	30-42	60-112	120	68	36	52	8	0.007	5.43
GY6	900	6800	38-50	60-112	140	80	40	56	8	0.015	7.59
GY7	1600	6000	48-63	84-142	160	100	40	56	8	0.031	13.1
GY8	3150	4800	60-80	107-172	200	130	50	68	10	0.103	27.5
GY9	6300	3600	75-100	107-212	260	160	66	84	10	0.319	47.8
GY10	10000	3200	90-125	132-212	300	200	72	90	10	0.720	82
GY11	25000	2500	120-160	167-302	380	260	80	98	10	2.278	162.2
GY12	50000	2000	150-200	242-352	460	320	92	112	12	5.923	285.6
GY13	100000	1600	190-250	282-410	590	400	110	130	12	19.978	611.9

Notes

Linear dimensions are in mm; other units are given in the corresponding column headings. Check bores, shaft extensions and installation dimensions for the same size.

IKUSE YLD Flange coupling

Overview

Provides a rigid connection between two shafts. No elastic element is provided to compensate for misalignment.

Construction and maintenance

Align both shafts during installation and check keys, bolts and bore fits for the selected connection.

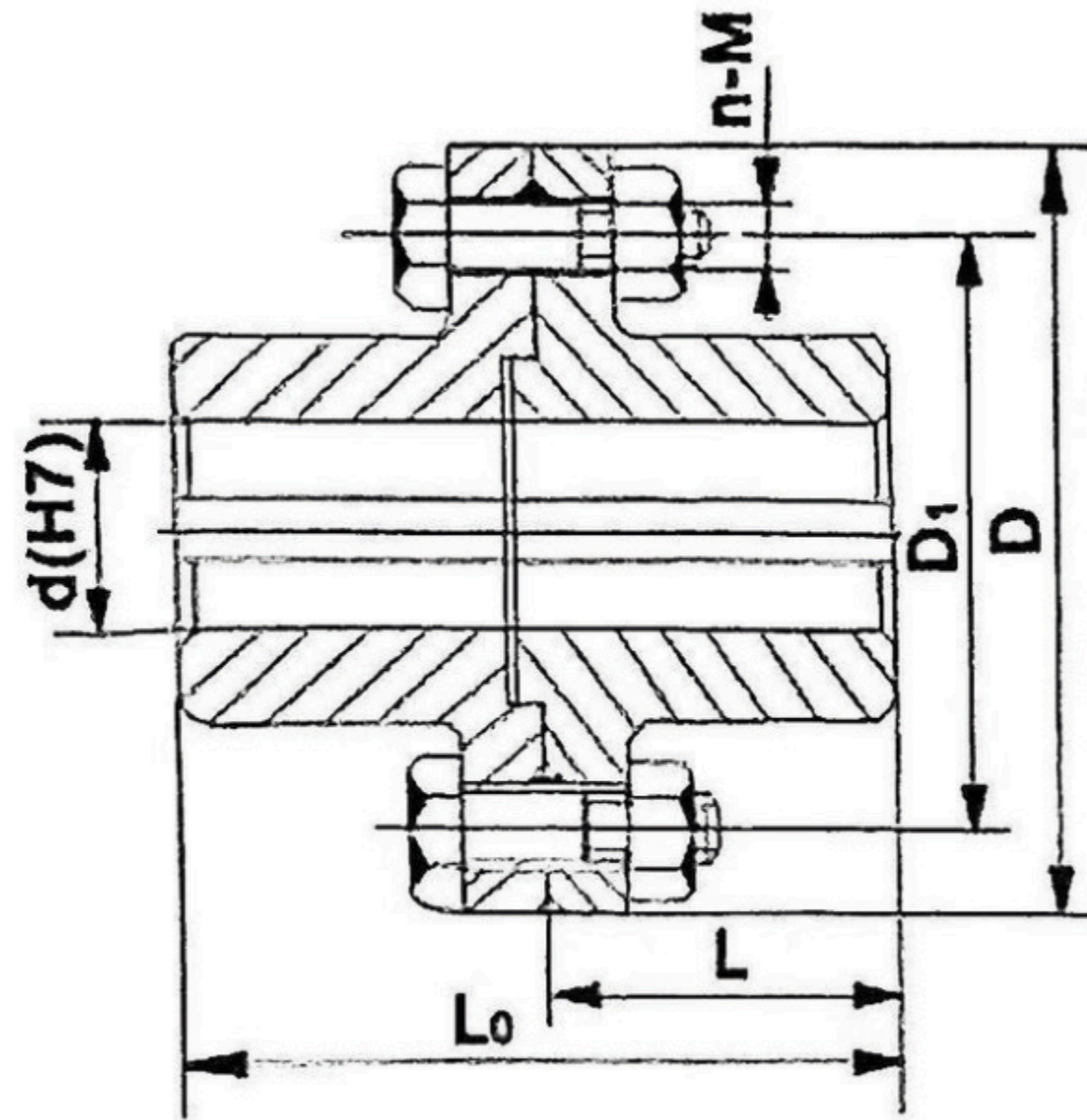
Technical specifications

Torque, speed, bores and installation dimensions must all correspond to the same size.

Ordering information

Specify power, operating speed, load characteristics, both shaft diameters and extension lengths, shaft-end separation and installation conditions. Include brake, dynamic-balancing and elastic-element requirements where applicable.

Structural diagram



Bores, shaft extensions, connection dimensions and installation spacing must correspond to the selected size.

Model	Nominal torque	Allowable speed		Bore diameter		Bore length		D	D ₁	Bolt		L ₀		Mass	Mass moment of inertia
	[T] N·m	Cast iron	Steel	Cast iron	Steel	Type Y	Types J, J ₁			Quantity	Diameter	Type Y	Types J, J ₁	kg	kg·m²
YLD1	10	8100	13000	10-20	10-22	25-52	22-38	71	53	3	M6	54-108	48-80	0.94	0.0018
YLD2	16	7200	12000	12-20	12-22	32-52	27-38	80	64	4	M6	68-108	58-80	1.50	0.0035
YLD3	25	6400	10000	14-22	14-25	32-62	27-44	90	69	3	M8	68-128	58-92	1.99	0.0060
YLD4	40	5700	9500	18-25	18-28	42-62	30-44	100	80	3	M8	88-128	64-92	2.47	0.0093
YLD5	63	5500	9000	22-30	22-32	52-82	38-60	105	85	4	M8	108-168	80-124	3.19	0.013
YLD6	100	5200	8000	24-32	24-35	52-82	38-60	110	90	4	M8	108-168	80-124	3.99	0.017
YLD7	160	4800	7600	28-38	28-40	62-112	44-82	120	95	4	M10	128-228	92-172	5.66	0.029
YLD8	250	4300	7000	32-42	32-45	82-112	60-84	130	105	4	M10	169-229	125-173	7.29	0.043
YLD9	400	4100	6800	38-48	38-50	82-112	60-84	140	115	6	M10	169-229	125-172	9.53	0.064
YLD10	630	3600	6000	45-55	45-60	112-142	84-107	160	130	6	M12	229-289	173-219	12.46	0.112
YLD11	1000	3200	5300	50-65	50-70	112-142	84-107	180	150	8	M12	229-289	173-219	17.97	0.205
YLD12	1600	2900	4700	60-75	60-80	142-172	107-132	200	170	12	M12	289-349	219-269	30.62	0.443
YLD13	2500	2600	4300	70-85	70-90	142-172	107-132	220	185	8	M16	289-349	219-269	35.58	0.646
YLD14	4000	2300	4800	80-100	80-110	172-212	132-167	250	215	12	M16	350-430	270-340	57.13	1.353
YLD15	6300	2000	3400	100-120	90-125	172-212	132-167	290	250	12	M20	350-430	270-340	89.59	2.845
YLD16	10000	1800	3000	120-130	100-140	212-252	167-202	340	290	12	M24	430-510	340-410	119.57	5.271
YLD17	14000	1600	2600	130-150	120-160	212-302	167-242	380	330	12	M24	430-610	340-490	171.71	9.139
YLD18	20000	1400	2300	—	140-180	252-302	202-242	420	330	12	M30	510-610	410-490	263.83	17.883

Notes

Linear dimensions are in mm; other units are given in the corresponding column headings. Check bores, shaft extensions and installation dimensions for the same size.

IKUSE YL Flange coupling

Overview

Provides a rigid connection between two shafts. No elastic element is provided to compensate for misalignment.

Construction and maintenance

Align both shafts during installation and check keys, bolts and bore fits for the selected connection.

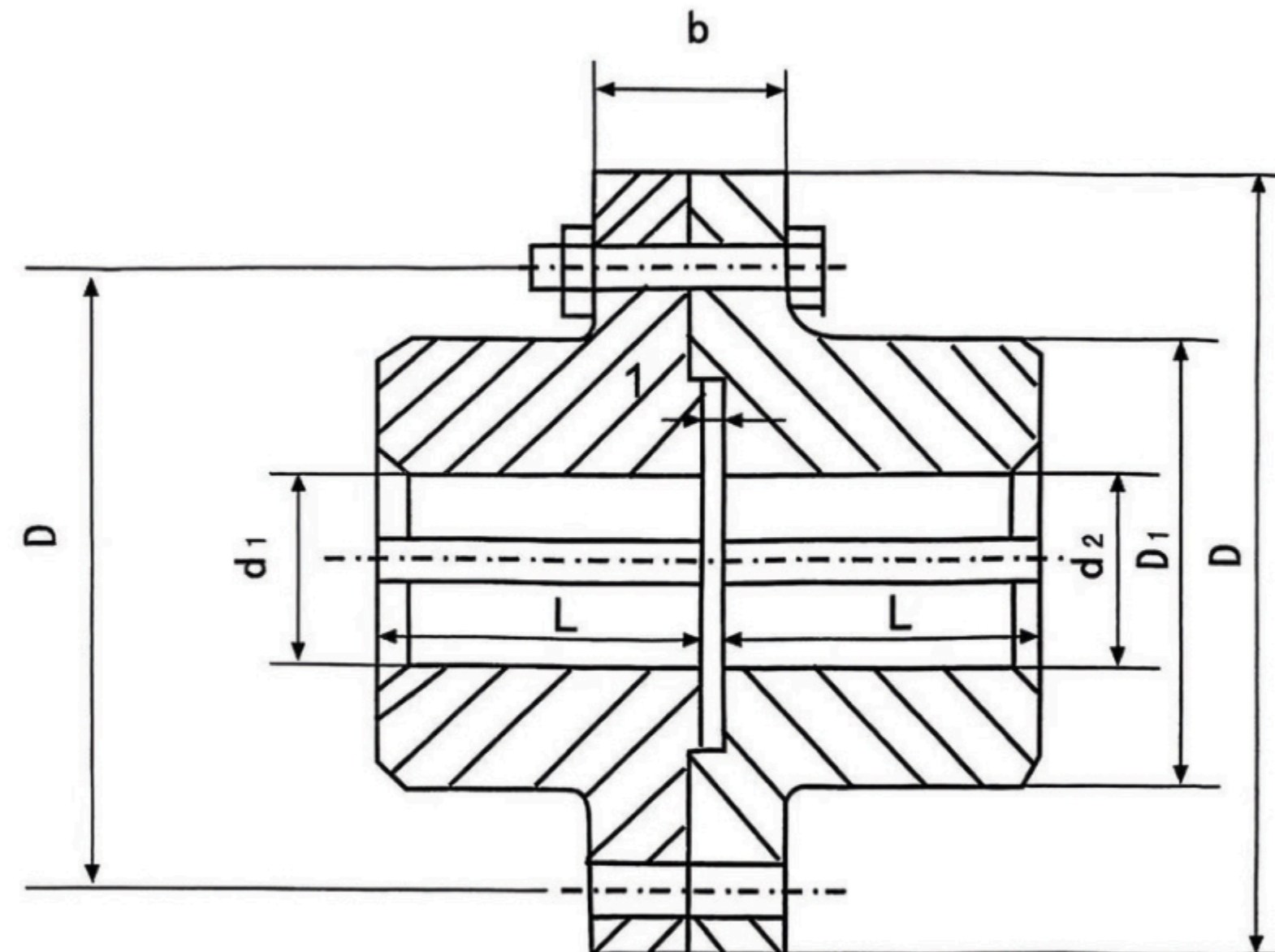
Technical specifications

Torque, speed, bores and installation dimensions must all correspond to the same size.

Ordering information

Specify power, operating speed, load characteristics, both shaft diameters and extension lengths, shaft-end separation and installation conditions. Include brake, dynamic-balancing and elastic-element requirements where applicable.

Structural diagram



Bores, shaft extensions, connection dimensions and installation spacing must correspond to the selected size.

Model	Nominal torque	Allowable speed	Bore diameter	Bore length		D	D ₁	b	S	b ₁	Bolt		Mass moment of inertia	Mass
				Y	J ₁									
	[T] N·m	[n] r/min	d ₁ ,d ₂	d ₃	n	kg·m ²	kg							
YL1	63	6300	22-30	52-82	38-60	120	48	36	8	52	M10	4	0.006	4.1
YL2	200	5800	30-42	82-112	60-84	130	68	36	8	52	M10	4	0.008	6.97
YL3	400	5000	40-50	112	84	150	80	40	8	56	M10	4	0.021	9.38
YL4	800	4400	50-63	112-142	84-107	170	100	40	8	56	M12	4	0.039	23.27
YL5	2000	3600	63-80	142-172	107-132	210	130	50	10	68	M12	8	0.122	30.72
YL6	5000	2800	80-100	172-212	132-167	260	160	66	10	86	M16	8	0.360	57.95
YL7	10000	2500	100-125	212	167	300	200	72	10	96	M16	10	0.845	86.10
YL8	25000	1900	125-160	212-302	167-242	400	260	80	10	98	M24	10	2.693	202.3
YLg	50000	1600	160-200	302-352	242-282	460	320	92	12	112	M24	16	6.962	326
YL10	100000	1200	200-250	352-410	282-330	590	400	104	12	124	M30	16	20.550	622

Notes

Linear dimensions are in mm; other units are given in the corresponding column headings. Check bores, shaft extensions and installation dimensions for the same size.

IKUSE JQW Split-muff coupling

Overview

Provides a rigid connection between two shafts. No elastic element is provided to compensate for misalignment.

Construction and maintenance

Align both shafts during installation and check keys, bolts and bore fits for the selected connection.

Technical specifications

Torque, speed, bores and installation dimensions must all correspond to the same size.

Ordering information

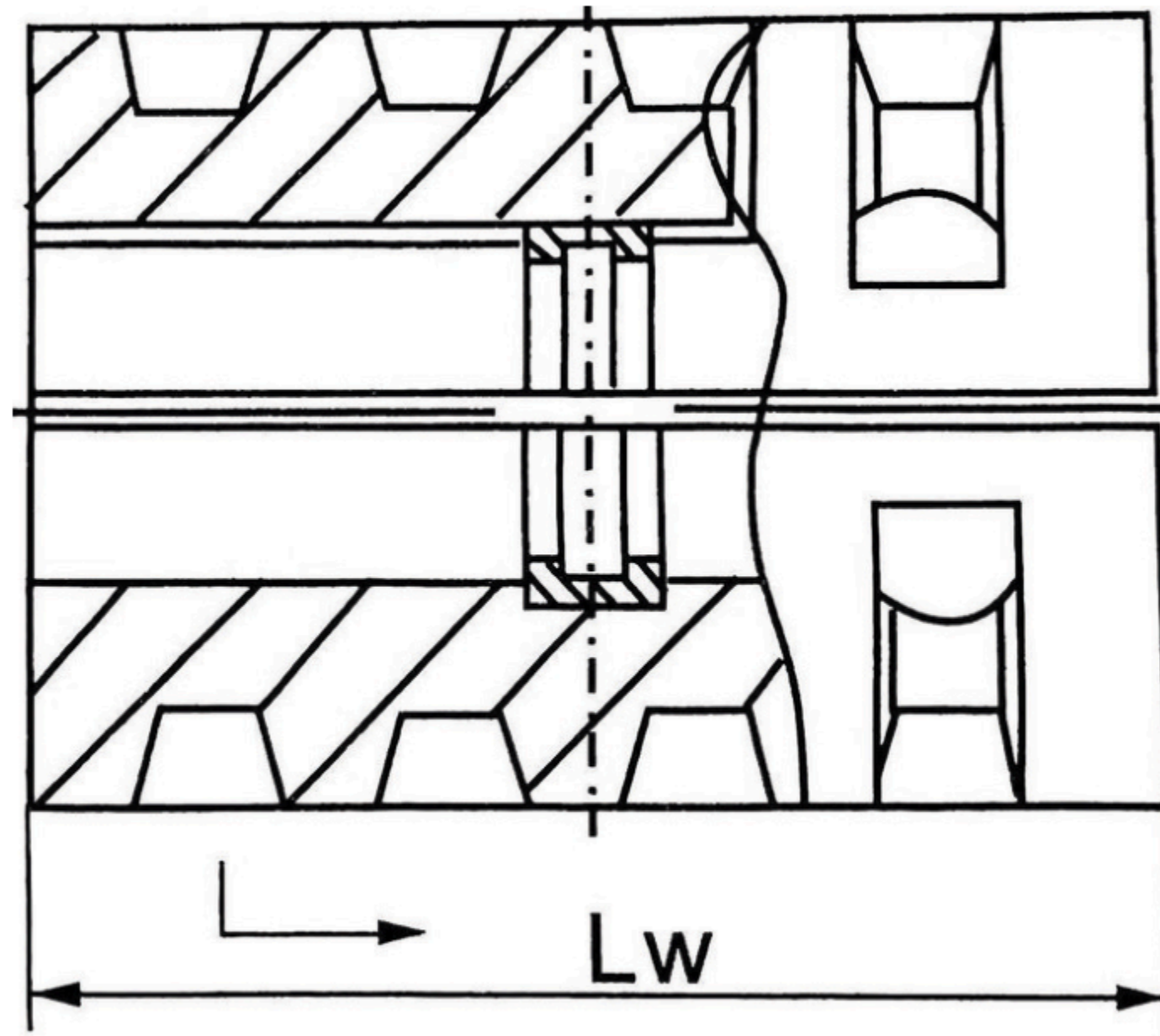
Specify power, operating speed, load characteristics, both shaft diameters and extension lengths, shaft-end separation and installation conditions. Include brake, dynamic-balancing and elastic-element requirements where applicable.

IKUSE JQW Split-muff coupling

Construction and installation dimensions

IKUSE

Structural diagram



Bores, shaft extensions, connection dimensions and installation spacing must correspond to the selected size.

Model	Nominal torque	D	L	L ₁	L ₂	L ₀	n-d ₀	Lw	n-d ₀	d ₁	d ₂	a ₂	t	Mass
	[T] N·m													kg
JQ-25	90	95	110	20	45	58	4-12	100	4-12	32	20	5	28.3	4.47
JQ-30	90	102	130	20	55	64	4-14	110	4-14	38	25	5	33.3	4.47
JQ-35	236	118	162	20	71	80	6-14	115	4-14	43	30	5	38.3	7.6
JQ-40	236	118	162	20	71	80	6-14	115	4-14	48	35	5	43.3	7.6
JQ-45	530	135	190	24	83	100	6-14	135	4-14	57	37	6	48.8	10.85
JQ-50	530	135	190	24	83	100	6-14	135	4-14	62	42	6	53.8	10.85
JQ-55	530	135	190	24	83	100	6-14	135	4-14	67	47	6	59.3	10.85
JQ-60	1400	172	250	30	110	124	8-18	195	6-18	73	50	8	64.4	25.06
JQ-65	1400	172	250	30	110	124	8-18	195	6-18	78	55	8	69.4	25.06
JQ-70	1400	172	250	30	110	124	8-18	195	6-18	83	60	8	74.9	25.06
JQ-80	2650	185	280	38	121	138	8-18	220	6-18	94	70	10	85.4	30.16
JQ-85	2650	185	280	38	121	138	8-18	220	6-18	99	75	10	90.4	30.16
JQ-90	5200	230	330	38	146	170	8-23	255	6-23	105	80	10	95.4	56.38
JQ-95	5200	230	330	38	146	170	8-23	255	6-23	110	85	10	100.4	56.38
JQ-100	5200	230	330	38	146	170	8-23	255	6-23	115	90	10	106.4	56.38
JQ-105	5200	230	330	38	146	170	8-23	255	6-23	120	95	10	111.4	56.38
JQ-110	9000	260	390	46	172	200	8-23	300	6-23	125	100	12	116.4	90
JQ-115	9000	260	390	46	172	200	8-23	300	6-23	130	105	12	122.4	90
JQ-120	9000	260	390	46	172	200	8-23	300	6-23	135	110	12	127.4	90
JQ-125	15000	280	440	54	193	210	10-23	360	8-23	140	115	14	132.4	125
JQ-130	15000	280	440	54	193	210	10-23	360	8-23	146	118	14	137.4	125
JQ-140	15000	300	440	54	193	230	10-27	360	8-23	158	128	14	148.4	140
JQ-150	28000	340	500	64	218	260	10-33	405	8-33	168	134	16	158.4	215
JQ-160	28000	340	500	64	218	260	10-33	405	8-33	180	144	16	169.4	215
JQ-180	31000	380	560	72	244	300	10-33	460	8-33	200	162	18	190.4	350
JQ-200	33750	420	640	80	280	340	10-33	540	8-33	220	182	20	210.4	516

Notes

Linear dimensions are in mm; other units are given in the corresponding column headings. Check bores, shaft extensions and installation dimensions for the same size.

IKUSE JQ Split-muff coupling

Overview

Provides a rigid connection between two shafts. No elastic element is provided to compensate for misalignment.

Construction and maintenance

Align both shafts during installation and check keys, bolts and bore fits for the selected connection.

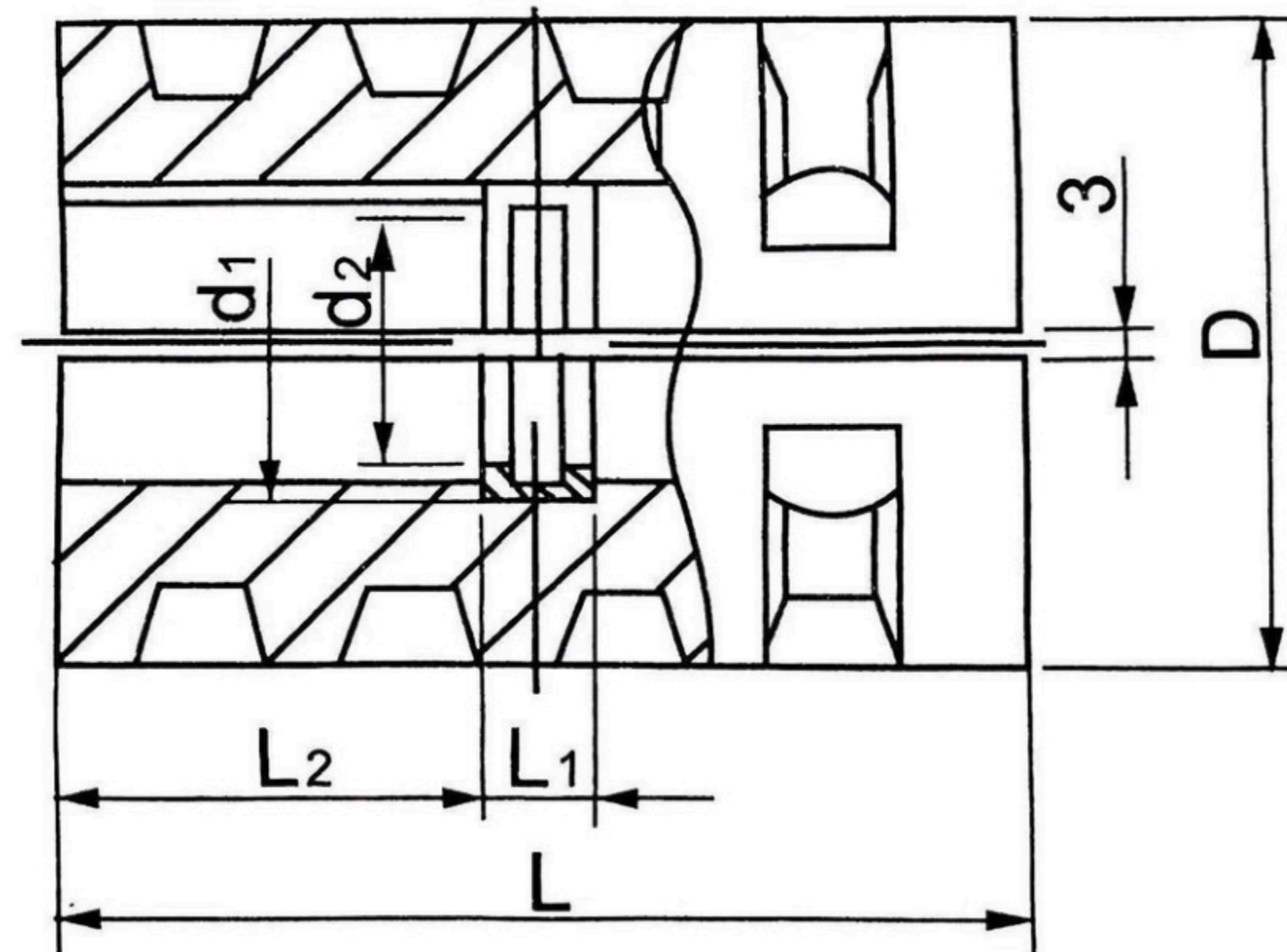
Technical specifications

Torque, speed, bores and installation dimensions must all correspond to the same size.

Ordering information

Specify power, operating speed, load characteristics, both shaft diameters and extension lengths, shaft-end separation and installation conditions. Include brake, dynamic-balancing and elastic-element requirements where applicable.

Structural diagram



Bores, shaft extensions, connection dimensions and installation spacing must correspond to the selected size.

Model	Nominal torque	D	L	L ₁	L ₂	L ₀	n-d ₀	Lw	n-d ₀	d ₁	d ₂	a ₂	t	Mass
	[T] N·m													kg
JQ-25	90	95	110	20	45	58	4-12	100	4-12	32	20	5	28.3	4.47
JQ-30	90	102	130	20	55	64	4-14	110	4-14	38	25	5	33.3	4.47
JQ-35	236	118	162	20	71	80	6-14	115	4-14	43	30	5	38.3	7.6
JQ-40	236	118	162	20	71	80	6-14	115	4-14	48	35	5	43.3	7.6
JQ-45	530	135	190	24	83	100	6-14	135	4-14	57	37	6	48.8	10.85
JQ-50	530	135	190	24	83	100	6-14	135	4-14	62	42	6	53.8	10.85
JQ-55	530	135	190	24	83	100	6-14	135	4-14	67	47	6	59.3	10.85
JQ-60	1400	172	250	30	110	124	8-18	195	6-18	73	50	8	64.4	25.06
JQ-65	1400	172	250	30	110	124	8-18	195	6-18	78	55	8	69.4	25.06
JQ-70	1400	172	250	30	110	124	8-18	195	6-18	83	60	8	74.9	25.06
JQ-80	2650	185	280	38	121	138	8-18	220	6-18	94	70	10	85.4	30.16
JQ-85	2650	185	280	38	121	138	8-18	220	6-18	99	75	10	90.4	30.16
JQ-90	5200	230	330	38	146	170	8-23	255	6-23	105	80	10	95.4	56.38
JQ-95	5200	230	330	38	146	170	8-23	255	6-23	110	85	10	100.4	56.38
JQ-100	5200	230	330	38	146	170	8-23	255	6-23	115	90	10	106.4	56.38
JQ-105	5200	230	330	38	146	170	8-23	255	6-23	120	95	10	111.4	56.38
JQ-110	9000	260	390	46	172	200	8-23	300	6-23	125	100	12	116.4	90
JQ-115	9000	260	390	46	172	200	8-23	300	6-23	130	105	12	122.4	90
JQ-120	9000	260	390	46	172	200	8-23	300	6-23	135	110	12	127.4	90
JQ-125	15000	280	440	54	193	210	10-23	360	8-23	140	115	14	132.4	125
JQ-130	15000	280	440	54	193	210	10-23	360	8-23	146	118	14	137.4	125
JQ-140	15000	300	440	54	193	230	10-27	360	8-23	158	128	14	148.4	140
JQ-150	28000	340	500	64	218	260	10-33	405	8-33	168	134	16	158.4	215
JQ-160	28000	340	500	64	218	260	10-33	405	8-33	180	144	16	169.4	215
JQ-180	31000	380	560	72	244	300	10-33	460	8-33	200	162	18	190.4	350
JQ-200	33750	420	640	80	280	340	10-33	540	8-33	220	182	20	210.4	516

Notes

Linear dimensions are in mm; other units are given in the corresponding column headings. Check bores, shaft extensions and installation dimensions for the same size.