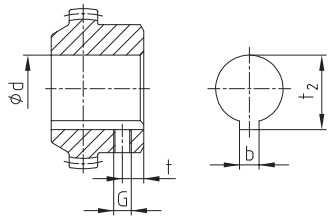
Technical data

Power, torque and speed							
Type and size		Power P [kW] / n [rpm]		Torque [Nm]			Max. speed [rpm]
		Rated	Max.	T_{KN}	$T_{K\,max}$	T_{KW}	
Type plug-in coupling/ junior M	junior 14 / M-14	0.0005	0.010	5	10	2.5	6000
	junior 19 / M-19	0.0008	0.0017	8	16	4	6000
	junior 24 / M-24	0.0013	0.0025	12	24	6	6000
Type M I AS Spec.-I SG SSR	14	0.0010	0.003	10	30	5	14000
	19	0.0017	0.005	16	48	8	11800
	24	0.0021	0.006	20	60	10	10600
	28	0.0047	0.014	45	135	23	8500
	32	0.0063	0.019	60	180	30	7500
	38	0.0084	0.025	80	240	40	6700
	42	0.010	0.031	100	300	50	6000
	45 / 48	0.015	0.044	140	420	70	5600
	65	0.040	0.119	380	1140	190	4000
	80	0.073	0.22	700	2100	350	3150
	100	0.13	0.38	1200	3600	600	3000
	125	0.26	0.78	2500	7500	1250	2120
Type M...C GT	14	0.0015	0.0047	15	45	7.5	14000
	19	0.0025	0.0075	24	72	12	11800
	24	0.003	0.009	30	90	15	10600
	28	0.007	0.022	70	210	35	8500
	32	0.009	0.028	90	270	45	7500
	38	0.013	0.038	120	360	60	6700
	48	0.021	0.063	200	600	100	5600
	65	0.058	0.18	560	1680	280	4000
	80	0.105	0.311	1000	3000	500	3150
Type HEW Compact	T50 Sh	0.0236	0.0471	200	400	50	7300
	42-130 T65 Sh	0.0283	0.0565	270	540	68	7300
	T70 Sh	0.0330	0.0660	320	640	80	7300
	T50 Sh	0.0628	0.1257	550	1100	138	5500
	65-180 T65 Sh	0.0785	0.1571	740	1500	185	5500
	T70 Sh	0.0890	0.1780	860	1700	215	5500
	T50 Sh	0.1414	0.2827	1250	2500	313	4400
	80-225 T65 Sh	0.1728	0.3455	1600	3200	400	4400
	T70 Sh	0.2042	0.4084	1900	3800	475	4400
	T50 Sh	0.3141	0.6283	2750	5500	688	3200
	100-305 T65 Sh	0.4084	0.8168	3900	7800	975	3200
	T70 Sh	0.4712	0.9424	4500	9000	1125	3200
	T50 Sh	0.6283	1.2565	5500	11000	1375	2900
	125-365 T65 Sh	0.7853	1.5707	7500	15000	1875	2900
	T70 Sh	0.8901	1.7801	8400	16800	2100	2900

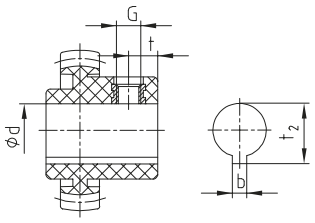
Thread for setscrews

Thread dimensions for setscrews, BoWex® coupling hubs with cylindrical bore.



Position of the thread for setscrews BoWex® M-14 to M-24 opposite to the keyway

BoWex® M-28 to I-125 on the keyway



Position of thread with BoWex® junior plug-in coupling and junior M coupling

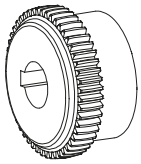
BoWex® coupling hubs							
Size Dimensions	14 19 24	28 32 38	42 45 48	65	80	100	125
Thread G	M5	M8		M10	M10	M12	M16
Distance t	6	10		15 [1] 20	20	30	40
Tightening torque T_A [Nm]	2	10		17	17	40	80

BoWex® junior coupling hubs			
Size Dimensions	14	19	24
Thread G	M5	M5	M5
Hub 1b - Distance t	6	6	6
Plug-in sleeve 2b - Distance t	8	10	10
Tightening torque T_A [Nm]	1.4	1.4	1.4

[1] Length of hub 55 mm t = 15 mm, 70 mm t = 20 mm

BoWex®
Curved-tooth gear coupling®

Types of hubs



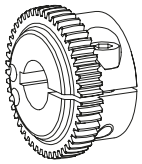
Type 1.0 hub
with feather keyway and setscrew

Positive-locking power transmission, permissible torque depending on the permissible surface pressure. Not suitable for backlash-free power transmission with heavily reversing operation.

Type 1.1 hub
without feather key with setscrew

Non-positive torque transmission for crimp and glued connections. (No ATEX approval)

Type 1.3 hub
with spline bore (see page 103)



Type 2.0 clamping hub
single slot without feather keyway

Frictionally engaged, backlash-free shaft-hub-connection. Transmittable torques depending on bore diameter.

Type 2.1 clamping hub
single slot with feather keyway

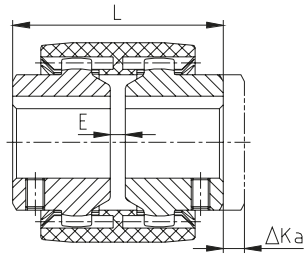
Positive-locking power transmission with additional friction flt. The friction flt avoids or reduces reverse backlash. Surface pressure of the feather keyway connection is reduced.

Type 2.3 clamping hub
with spline bore (see page 103)

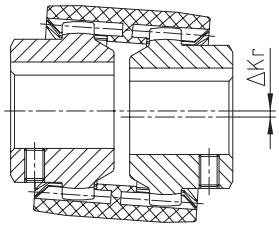
Displacements

BoWex® couplings are double-cardanic compensating for axial, radial and angular shaft displacements in addition to transmitting the torque so that damage on the driving or driven machine is prevented.

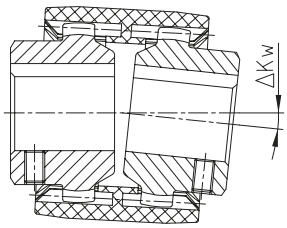
Axial displacement



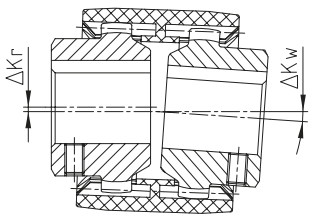
Radial displacement



Angular displacement



Radial and angular displacement



Displacements – type junior couplings						
BoWex® size	Type junior plug-in coupling			Type junior M		
	14	19	24	14	19	24
Max. axial displacement ΔKa [mm]	± 1	± 1	± 1	± 1	± 1	± 1
Max. radial displacement with n=1500 rpm ΔKr [mm]	± 0.1	± 0.1	± 0.1	± 0.3	± 0.3	± 0.4
Max. radial displacement with n=3000 rpm ΔKr [mm]	± 0.1	± 0.1	± 0.1	± 0.3	± 0.3	± 0.4
Max. angular displacement with n=1500 rpm ΔKw [degree]	± 1.0	± 1.0	± 0.9	± 1.0	± 1.0	± 0.9
Max. angular displacement with n=3000 rpm ΔKw [degree]	± 0.7	± 0.7	± 0.6	± 0.7	± 0.7	± 0.6

Displacements – type M, I, AS, Spec.-I, SG and SSR												
BoWex® size	14	19	24	28	32	38	42	48	65	80	100	125
Max. axial displacement ΔKa [mm]	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1	± 1
Max. radial displacement with n=1500 rpm ΔKr [mm]	± 0.30	± 0.30	± 0.35	± 0.35	± 0.35	± 0.40	± 0.40	± 0.40	± 0.45	± 0.45	± 0.45	± 0.45
Max. radial displacement with n=3000 rpm ΔKr [mm]	± 0.20	± 0.20	± 0.23	± 0.23	± 0.23	± 0.25	± 0.25	± 0.25	± 0.28	± 0.28	± 0.28	± 0.28
Max. angular displacement with n=1500 rpm ΔKw [degree]	± 1.0	± 1.0	± 0.9	± 0.9	± 0.9	± 0.9	± 0.9	± 0.9	± 0.7	± 0.6	± 0.6	± 0.4
Max. angular displacement with n=3000 rpm ΔKw [degree]	± 0.7	± 0.7	± 0.6	± 0.6	± 0.6	± 0.6	± 0.6	± 0.6	± 0.5	± 0.4	± 0.4	± 0.3

	Displacements – Type GT				Displacements – Type HEW Compact													
BoWex® size	28	38	48	65	42-130			65-180			80-225			100-305			125-365	
					T50	T65	T70	T50	T65	T70	T50	T65	T70	T50	T65	T70	T40	T52	T65
Max. axial displacement ΔKa [mm]	± 1	± 1	± 1	± 1	± 2			± 2			± 2			± 2			± 2		
Max. radial displacement with n=1500 rpm ΔKr [mm]	± 1	± 1	± 1.4	± 1.4	± 1.1	± 1	± 0.5	± 1.6	± 1.5	± 0.7	± 1.8	± 1.7	± 2.2	± 2.2	± 2	± 1	± 2.5	± 2.3	± 1.1
Max. radial displacement with n=3000 rpm ΔKr [mm]	± 0.6	± 0.6	± 1	± 1	± 0.55	± 0.5	± 0.25	± 0.8	± 0.75	± 0.35	± 0.9	± 0.85	± 1.1	± 1.1	± 1	± 0.5	± 1.25	± 1.15	± 0.55
Max. angular displacement with n=1500 rpm ΔKw [degree]	± 1	± 1	± 0.9	± 0.9	± 1	± 0.75	± 0.5	± 1	± 0.75	± 0.5	± 1	± 0.75	± 1	± 1	± 0.75	± 0.5	± 1	± 0.75	± 0.5
Max. angular displacement with n=3000 rpm ΔKw [degree]	± 0.7	± 0.7	± 0.6	± 0.6	± 0.5	± 0.4	± 0.25	± 0.5	± 0.4	± 0.25	± 0.5	± 0.4	± 0.25	± 0.5	± 0.25	± 0.25	± 0.5	± 0.4	± 0.25

The permissible displacement flgures of the BoWex® couplings specifled are general standard values taking into account the load of the coupling up to the rated torque T_{KN} of the coupling. With different operating conditions please order our data sheet for displacements of BoWex® KTR-N 20140.
The displacement flgures may only be used one by one, if they appear simultaneously, they must be limited in proportion. Care should be taken with the assembly of the coupling to accurately observe the distance dimension E in order to allow for axial clearance of the coupling while in operation. For detailed mounting instructions please refer to our homepage (www.ktr.com).

Cylindrical bores, taper/inch bores see selection of standard IEC motors

Stock programme of cylindrical finish bores [mm] H7 feather keyway acc. to DIN 6885 sheet 1 [JS9] and thread for setscrews

BoWex® Size	un/pilot bored	Ø8	Ø10	Ø11	Ø12	Ø14	Ø15	Ø16	Ø17	Ø18	Ø19	Ø20	Ø22	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	Ø48	Ø50	Ø55	Ø60	Ø65	Ø70	Ø75
14	●■	●	●	●	●	●	●																							
19	●■		●	●	●	●	●	●	●	●	●■	●																		
24	●■		●	●	●	●■	●	●	●	●	●■	●■	●	●■	●															
28	●■				●	●	●	●	●	●	●	●	●	●	●	●■															
32	●■							●		●	●	●	●	●	●	●	●	●													
38	●■							●		●	●	●	●	●	●	●	●	●	●	●■											
42	●■									●	●	●	●	●	●	●	●	●	●	●	●	●									
48	●■											●			●	●	●	●	●	●	●	●■	●	●■							
65	●■																●■	●	●■	●	●■	●■	●■	●■	●■	●■	●■	●■			
80	●																						●		●	●	●	●	●	●	●

● Standard length ■ Standard lengthened

Stock programme taper and inch bores

	Taper 1:5					Taper 1:8					Inch bores								
Code d +0,05 b JS9 t +0,2	**A-10** 9.85 2	**B-17** 16.85 3	**C-20** 19.85 4	**D-25** 24.85 5	**E-30** 29.85 6	**N/1** 9.7 2.4	**N1d** 14 3	**N/2** 17.28 3.2	**N/2a** 17.28 4	**N/3** 22 3.99	**Ta** 12.7 3.17 14.3	**DNC** 13.45 3.17 14.9	**Ed** 15.87 4.75 18.1	**A** 19.05 4.78 21.3	**G** 22.22 4.75 24.7	**F** 22.22 6.38 25.2	**Bs** 25.38 6.37 28.3	**Hs** 25.4 6.35 28.7	**K** 31.75 7.93 35.4
14	●					●							●						
19		●				●							●						
24	●	●				●		●	●		●			●	●				
28	●	●				●	●	●	●	●				●					
32		●																●	
38		●						●	●					●					
42		●		●				●	●	●				●		●	●		
48																			
65																			●

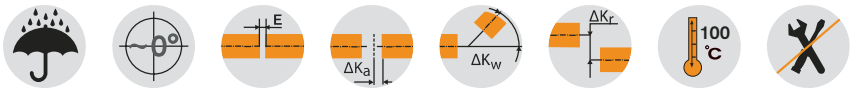
Other dimensions on request.

BoWex® couplings for standard IEC motors, protection class IP 54/IP 55

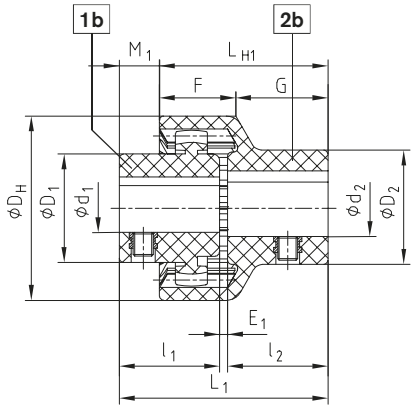
A. C. motor Size	Motor power with 50 Hz n = 3000 [rpm]			Motor power with 50 Hz n = 1500 [rpm]			Motor power with 50 Hz n = 1000 [rpm]			Cylindrical shaft ends d x l [mm]	
	kW	T [Nm]	BoWex® coupling	kW	T [Nm]	BoWex® coupling	kW	T [Nm]	BoWex® coupling	3000 ≤ 1500	
56	0.09 0.12	0.32 0.41		0.06 0.09	0.43 0.64		0.037 0.045	0.43 0.52		9 x 20	
63	0.18 0.25	0.62 0.86	14	0.12 0.18	0.88 1.3	14	0.06 0.09	0.72 1.1	14	11 x 23	
71	0.37 0.55	1.3 1.9		0.25 0.37	1.8 2.5		0.18 0.25	2.0 2.7		14 x 30	
80	0.75 1.1	2.5 3.7	19	0.55 0.75	3.7 5.1	19	0.37 0.55	3.9 5.8	19	19 x 40	
90 S	1.5	5.0	24	1.1	7.5	24	0.75	8.0	24	24 x 50	
90 L	2.2	7.4		1.5	10		1.1	12			
100 L	3	9.8	28	2.2 3	15 20	28	1.5	15	28	28 x 60	
112 M	4	13		4	27		2.2	22			
132 S	5.5 7.5	18 25	38	5.5	36	38	3	30	38	38 x 80	
132 M				7.5	49		4 5.5	40 55			
160 M	11 15	36 49	42	11	72	42	7.5	75	42	42 x 110	
160 L	18.5	60		15	98		11	108			
180 M	22	71	48	18.5	121	48			48	48 x 110	
180 L				22	144		15	148			
200 L	30 37	97 120		30	196		18.5 22	181 215		55 x 110	
225 S				37	240	65			65	55 x 110	60 x 140
225 M	45	145	65	45	292		30	293			
250 M	55	177		55	356		37	361		60 x 140	65 x 140
280 S	75	241		75	484		45	438			75 x 140
280 M	90	289		90	581	80	55	535	80		
315 S	110	353		110	707		75	727			
315 M	132	423		132	849		90	873			80 x 170
315 L	160 200	513 641	80	160 200	1030 1290	100	110 132	1070 1280	100	65 x 140	
							160	1550			
315	250 315	801 1010	100	250 315	1610 2020	125	200 250	1930 2420	125		85 x 170
355	355 400	1140 1280	125	355 400	2280 2560		315	3040	-	75 x 140	95 x 170

Torque T ≙ rated torque according to Siemens catalogue.

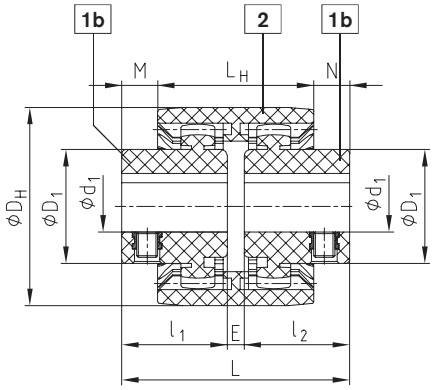
Plug-in coupling made of nylon (two-part and three-part)



Components



Type junior plug-in coupling (two-part)



Type junior M coupling (three-part)

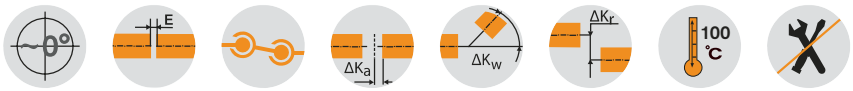
BoWex® junior plug-in coupling (two-part) and BoWex® junior M (three-part)																			
Size	Torque [Nm]		Finish bore				Dimensions [mm]												Max. speed [rpm]
			Hub Component 1b [1]		Plug-in sleeve Component 2b [1]		D_H	l_1, l_2	E_1	L_1	L_{H1}	M_1	F	G	E	L	L_H	M, N	
	T_{KN}	$T_{K\,max}$	d_1	D_1 [1]	d_2	D_2 [1]													
14 M-14	5	10	Ø6, Ø7, Ø8, Ø9	22	Ø8	22	40	23	2	48	40	8	18.5	21.5	4	50	37	6.5	6000
			Ø10, Ø11	25	Ø10, Ø11	25													
			Ø12, Ø14	26	Ø12, Ø14	26													
19 M-19	8	16	Ø12, Ø14	27	Ø14, Ø15	29	47	25	2	52	42	10	19.0	23.0	4	54	37	8.5	6000
			Ø16	30															
			Ø19	32	Ø19	35													
24 M-24	12	24	Ø10, Ø11, Ø12	26	Ø14, Ø16	32	53	26	2	54	45	9	21.5	23.5	4	56	41	7.5	6000
			Ø14, Ø15, Ø16	32															
			Ø18, Ø19, Ø20	36	Ø19, Ø20	36													
			Ø24	38	Ø24	40													

[1] Finish bore with tolerance +0.05/-0.1; feather keyway ±0.08

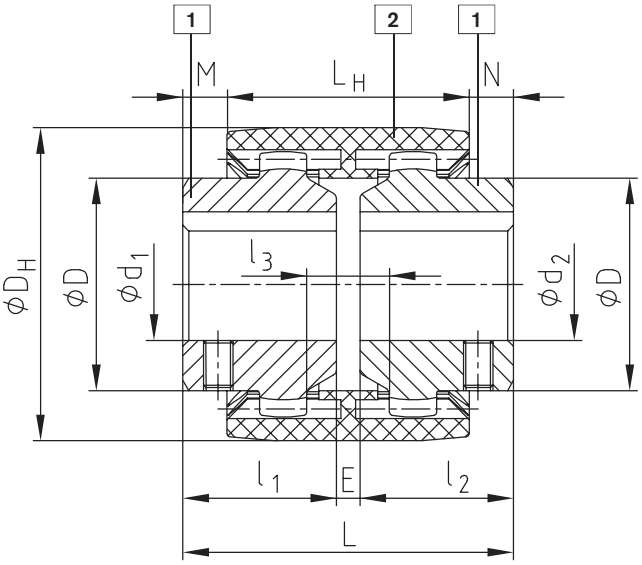
Ordering example:	BoWex® junior 19	d_1 Ø19	d_2 Ø14
	Coupling size two-part type or BoWex® junior M-19 three-part type	Finish bore	Finish bore

BoWex® M, I
Curved-tooth gear coupling®

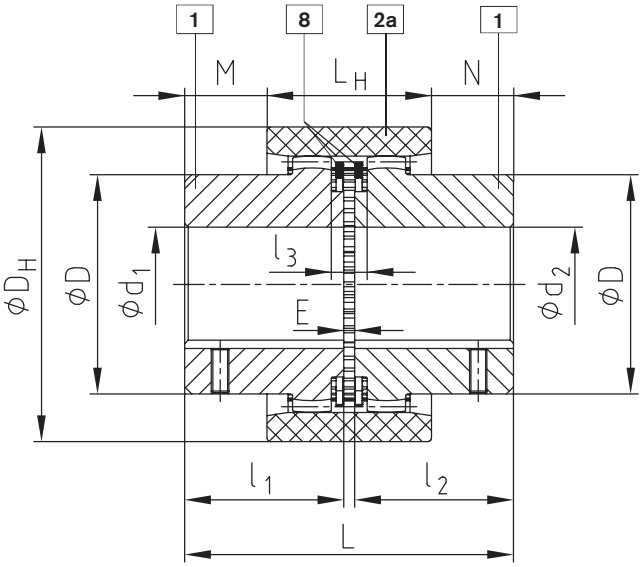
Compact and maintenance-free



Components



Type M



Type I

BoWex® type M, type I

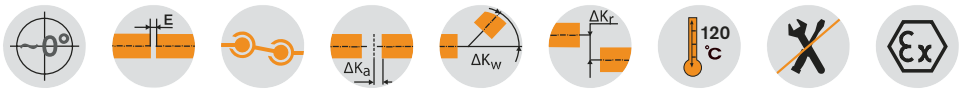
Size	Torque [Nm]			Finish bore d1, d2		Dimensions [mm]										Weight with max. bore [kg]			Mass moment of inertia J with max. bore [kgcm²]		
	T_{KN}	$T_{K\,max}$	T_{KW}	Pilot bored	Max.	l_1, l_2	E	L	L_H	M, N	l_3	D	D_H	Tip circle $ØD_Z$ hub	Number of teeth	Hub lengthened max. l_1, l_2	Sleeve	Hub	Total	Sleeve	Hub	Total
M-14	10	30	5	-	15	23	4	50	37	6.5	10	25	40	33	20	40	0.03	0.07	0.1	0.08	0.09	0.26
M-19	16	48	8	-	20	25	4	54	37	8.5	10	32	47	39	24	40	0.03	0.1	0.23	0.15	0.16	0.47
M-24	20	60	10	-	24	26	4	56	41	7.5	14	36	53	45	28	50	0.04	0.14	0.32	0.21	0.36	0.93
M-28	45	135	23	-	28	40	4	84	46	19	13	44	65	54	34	55	0.08	0.33	0.74	0.65	1.22	3.09
M-32	60	180	30	-	32	40	4	84	48	18	13	50	75	63	40	55	0.09	0.43	0.95	1.14	2.17	5.48
M-38	80	240	40	-	38	40	4	84	48	18	13	58	83	69	44	60	0.13	0.55	1.23	1.58	3.55	8.68
M-42	100	300	50	-	42	42	4	88	50	19	13	65	92	78	50	60	0.14	0.68	1.5	2.32	5.98	14.28
M-48	140	420	70	-	48	50	4	104	50	27	13	68	95	78	50	60	0.23	0.79	1.81	3.9	7.22	18.34
M-65	380	1140	190	21	65	55	4	114	68	23	16	96	132	110	42	70	0.55	1.9	4.35	21.2	31.8	84.8
I-80	700	2100	350	31	85	90	6	186	93	46.5	20	124	178	145	46	-	1.13	5.2	11.53	68.9	150.8	370.5
I-100	1200	3600	600	38	100	110	8	228	102	63	22	152	210	176	48	-	1.78	9.37	20.52	158.6	401.3	961.2
I-125	2500	7500	1250	45	125	140	10	290	134	78	30	192	270	225	54	-	3.88	19.44	42.76	562.9	1362.3	3287.5

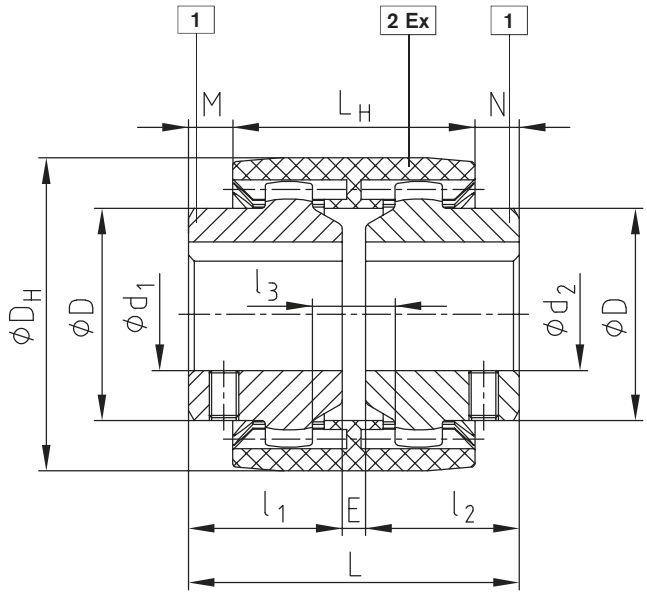
Ordering example:

BoWex® M-28	d_1 Ø20	d_2 Ø28
Size and type of coupling	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

BoWex® M...C
Curved-tooth gear coupling®

Compact and maintenance-free





Type M...C Ex

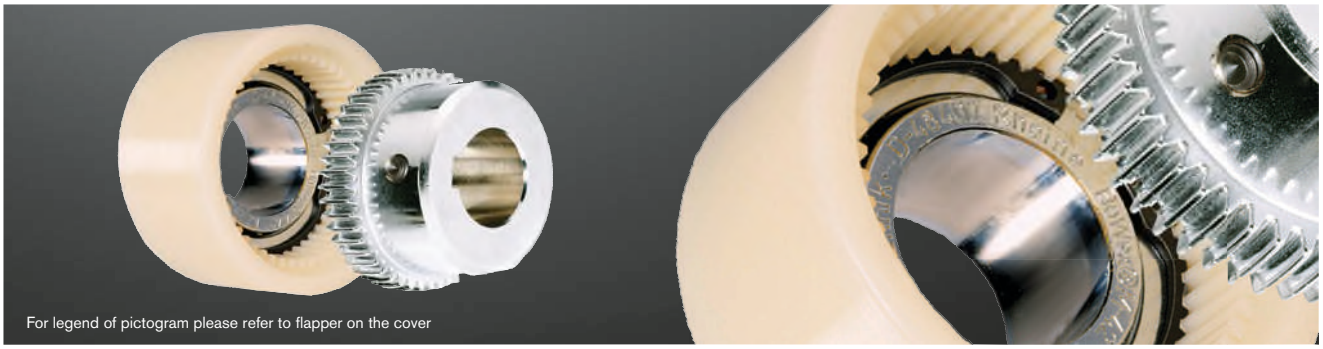
BoWex® Type M...C Ex																					
Size	Torque [Nm]			Finish bore d1, d2		Dimensions [mm]											Weight with max. bore [kg]			Mass moment of inertia J with max. bore [kgcm²]		
	T_{KN}	$T_{K\,max}$	T_{KW}	Pilot bored	Max.	l_1, l_2	E	L	L_H	M, N	l_3	D	D_H	Tip circle ØDZ hub	Number of teeth	Hub lengthened max. l_1, l_2	Sleeve	Hub	Total	Sleeve	Hub	Total
M-14C	15	45	7.5	-	15	23	4	50	37	6.5	10	25	40	33	20	40	0.03	0.07	0.1	0.08	0.09	0.26
M-19C	24	72	12	-	20	25	4	54	37	8.5	10	32	47	39	24	40	0.03	0.1	0.23	0.15	0.16	0.47
M-24C	30	90	15	-	24	26	4	56	41	7.5	14	36	53	45	28	50	0.04	0.14	0.32	0.21	0.36	0.93
M-28C	70	210	35	-	28	40	4	84	46	19	13	44	65	54	34	55	0.08	0.33	0.74	0.65	1.22	3.09
M-32C	90	270	45	-	32	40	4	84	48	18	13	50	75	63	40	55	0.09	0.43	0.95	1.14	2.17	5.48
M-38C	120	360	60	-	38	40	4	84	48	18	13	58	83	69	44	60	0.13	0.55	1.23	1.58	3.55	8.68
M-48C	200	600	100	-	48	50	4	104	50	27	13	68	95	78	50	60	0.23	0.79	1.81	3.9	7.22	18.34
M-65C	560	1680	280	21	65	55	4	114	68	23	16	96	132	110	42	70	0.55	1.9	4.35	21.2	31.8	84.8
M-80C	1000	3000	500	31	85	90	6	186	93	46.5	20	124	178	145	46	-	1.13	5.2	11.53	68.9	150.8	370.5

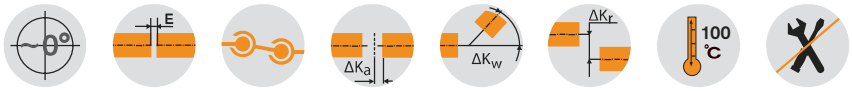
Ordering example:

BoWex® M-28C	d_1 Ø20	d_2 Ø28
Size and type of coupling	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

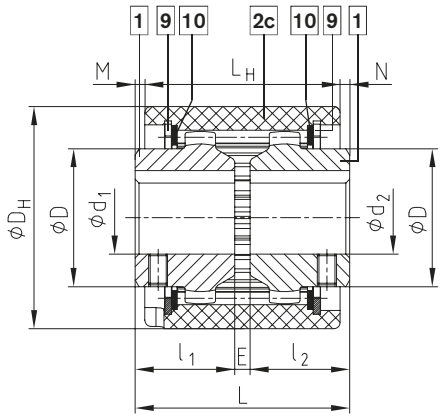
BoWex® AS and Spec.-I
Curved-tooth gear coupling®

Compact and maintenance-free

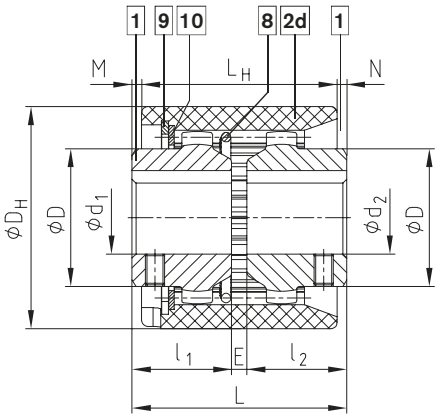




Components



Type AS



Type Spec.-I

BoWex® Type AS and type Spec.-I																		
Size	Pilot bore		Finish bore d_1, d_2		Dimensions [mm]								Weight with max. bore [kg]			Mass moment of inertia J with max. bore [kgcm²]		
	Unbored	Pilot bored		Max.	l_1, l_2	E	L	L_H	M, N	D	D_H	Hub length. max. l_1, l_2	Sleeve	Hub	Total	Sleeve	Hub	Total
24	x	-	For finish bores see stock programme	24	26	4	56	51	2.5	36	58	50	0.11	0.14	0.39	0.38	0.36	1.10
28	x	-		28	40	4	84	56	14	44	70	55	0.16	0.33	0.82	1.54	1.22	3.98
32	x	-		32	40	4	84	58	13	50	84	55	0.21	0.43	1.07	2.75	2.17	7.09
45	x	-		45	42	4	88	60	14	65	100	60	0.27	0.63	1.53	5.49	5.66	16.81
65	-	21		65	55	4	114	84	15	96	140	70	0.84	2.10	5.00	29.83	43.96	117.8
80	-	31		80	90	6	186	93	46.5	124	178	-	1.30	5.20	11.70	83.20	150.8	384.8
100	-	38		100	110	8	228	102	63	152	210	-	2.05	9.40	20.80	184.4	401.3	987.0
125	-	45		125	140	10	290	134	78	192	270	-	4.32	19.44	43.10	620.0	1362.3	3344.6

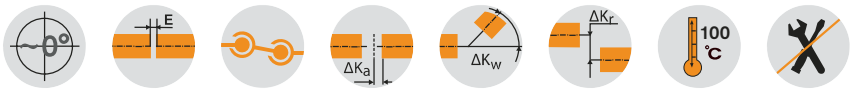
For performance data see page 84.

Ordering example:

BoWex® 32 AS	d_1 Ø32	d_2 Ø32
Size and type of coupling AS or Spec.-I	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

BoWex® SG, SSR and Spec.-I/CD
Curved-tooth gear coupling®

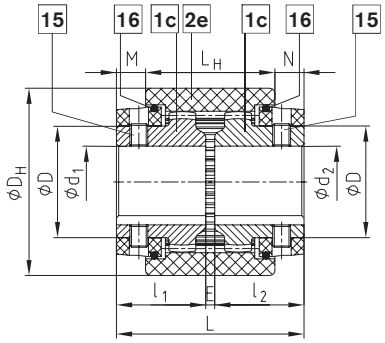
Type with dust protection



BoWex® Type SG with dust protection circlips

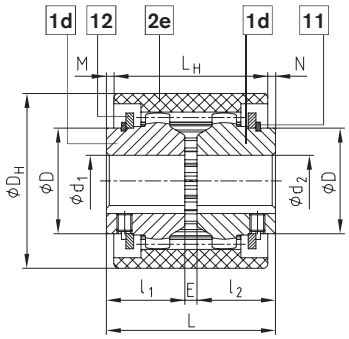
Size	Pilot bore		Finish bore		Dimensions [mm]							
	Unbored	Pilot bored	Min.	Max.	l_1, l_2	E	L	L_H	M, N	D	D_H	Hub length. max. l_1, l_2
24 SG	x	-	10	24	36	4	76	51	12.5	36	58	50
28 SG	x	-	10	28	40	4	84	56	14	44	70	55
32 SG	x	-	12	32	40	4	84	58	13	50	84	55
45 SG	x	-	20	45	42	4	88	60	14	65	100	60
65 SG	-	21	30	65	70	4	144	84	30	96	140	-
80 SG	-	31	35	80	90	6	186	93	46.5	122	175	-
100 SG	-	38	40	100	110	8	228	102	63	150	210	-
125 SG	-	45	50	125	140	10	290	134	78	190	270	-

Thread for setscrews with flnish bored hubs only.



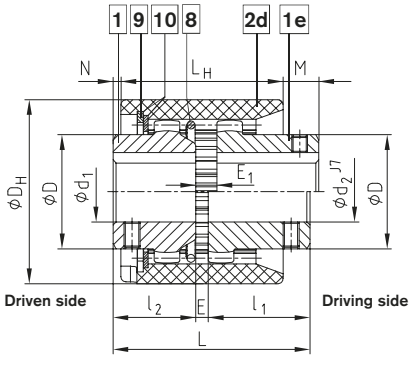
BoWex® Type SSR with Seeger circlips

Size	Pilot bore		Finish bore		Dimensions [mm]							
	Unbored	Pilot bored	Min.	Max.	l_1, l_2	E	L	L_H	M, N	D	D_H	Hub length. max. l_1, l_2
24 SSR	x	-	10	22	26	4	56	51	2.5	35	58	50
28 SSR	x	-	10	26	40	4	84	56	14	42	70	55
32 SSR	x	-	12	30	40	4	84	58	13	48	84	55
45 SSR	x	-	20	42	42	4	88	60	14	63	100	60
65 SSR	-	21	30	65	55	4	114	84	15	95	140	70
80 SSR	-	31	35	80	90	6	186	93	46.5	120	175	-
100 SSR	-	38	40	100	110	8	228	102	63	150	210	-
125 SSR	-	45	50	125	140	10	290	134	78	190	270	-



BoWex® Type Spec.-I/CD

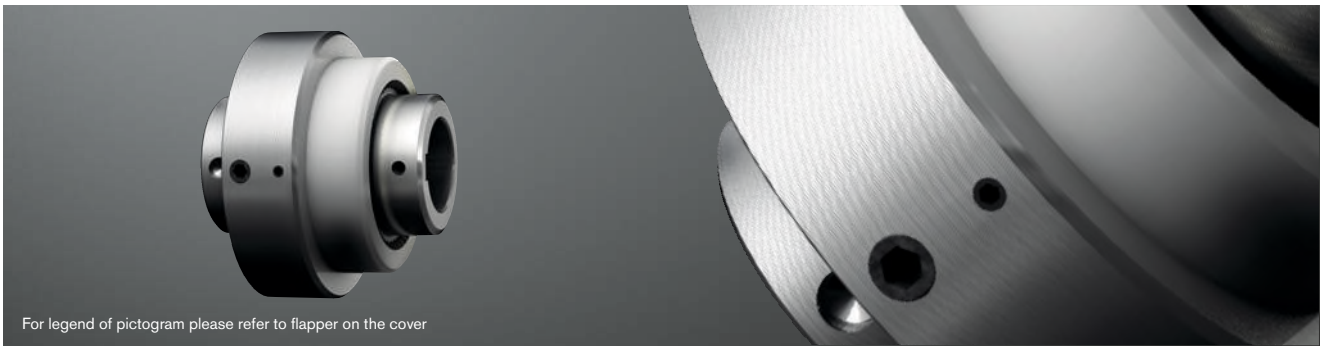
Size	Pilot bore		Finish bore		Dimensions [mm]										
	Unbo-red	Pilot bored	Min.	Max.	L	L_1	L_H	E	E_1	l_2	l_1	D_H	D	M	N
24 CD	x	-	10	24	70	73.5	51	4	9.0	26	40	58	36	20	2.5
28 CD	x	-	10	28	94.5	98	56	4	8.5	40	50.5	70	44	28	14
32 CD	x	-	12	32	94.5	-	58	4	8.5	40	50.5	84	50	27	13
45 CD	x	-	20	45	101.5	-	60	4	8.5	42	55.5	100	65	32	14
65 CD	-	21	30	65	123	-	84	4	10	55	64	140	96	28.5	15
80 CD	-	31	35	80	179	-	93	6	13	90	83	178	124	44	46.5

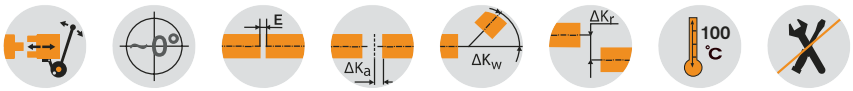


Please order dimension sheet for type Spec.-I/CDB with safety pins.
For performance data see page 84.

Ordering example:	BoWex® 45 SG	d_1 Ø22	d_2 Ø40
	Size and type of coupling SG, SSR or Spec.-I/CD	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

Shiftable coupling (at standstill)





BoWex® Type SD

Size	Pilot bore		Finish bore d_1, d_2			Dimensions [mm]												Weight with max. bore [kg]		Mass moment of inertia J with max. bore [kgcm²]		Shifting force [N]
	Un-bored	Pilot bored	d_1	d_1 max.	d_2 max.	E	l_1	l_2	L	L_H	l_3	M	W	N	D	D_H	D_A	Shifting hub with sleeve	Driving hub	Shifting hub with sleeve	Driving hub	
24 SD	x	-	For finish bores see stock programme on page 86	24	24	4	26	50	80	52	31	10	19	18	36	58	78	1.08	0.14	8.23	0.36	140
28 SD	x	-		28	28	4	40	55	99	57	33	21.5	21.5	20.5	44	70	88	1.50	0.33	15.62	1.22	180
32 SD	x	-		32	32	4	40	55	99	58	33	20.5	21.5	20.5	50	84	100	1.85	0.43	22.87	2.17	180
45 SD	x	-		45	45	4	42	60	106	63	37	21.5	22.5	21.5	65	100	125	2.56	0.68	46.07	5.66	250
				48			50		114			29.5							0.79			
65 SD	-	21		65	65	4	55	70	129	77	37	28	25	24	95	140	156	5.07	2.30	158.99	43.96	350
80 SD	-	31		80	80	6	90	90	186	96	47	56	35	34	124	175	195	10.60	5.20	523.7	150.8	350
100 SD	-	38		100	100	8	110	110	228	113	55	72	43	43	152	210	235	18.87	9.37	1350	401.3	400
125 SD	-	45		125	125	10	140	140	290	149	70	89	52	52	192	270	298	40.40	9.44	4919	1362.3	450

Connection dimensions of BoWex® SD shifting ring (comp. 17) for mounting of: slip ring SD1 (s. catalogue on p. 89), shifting disk etc.

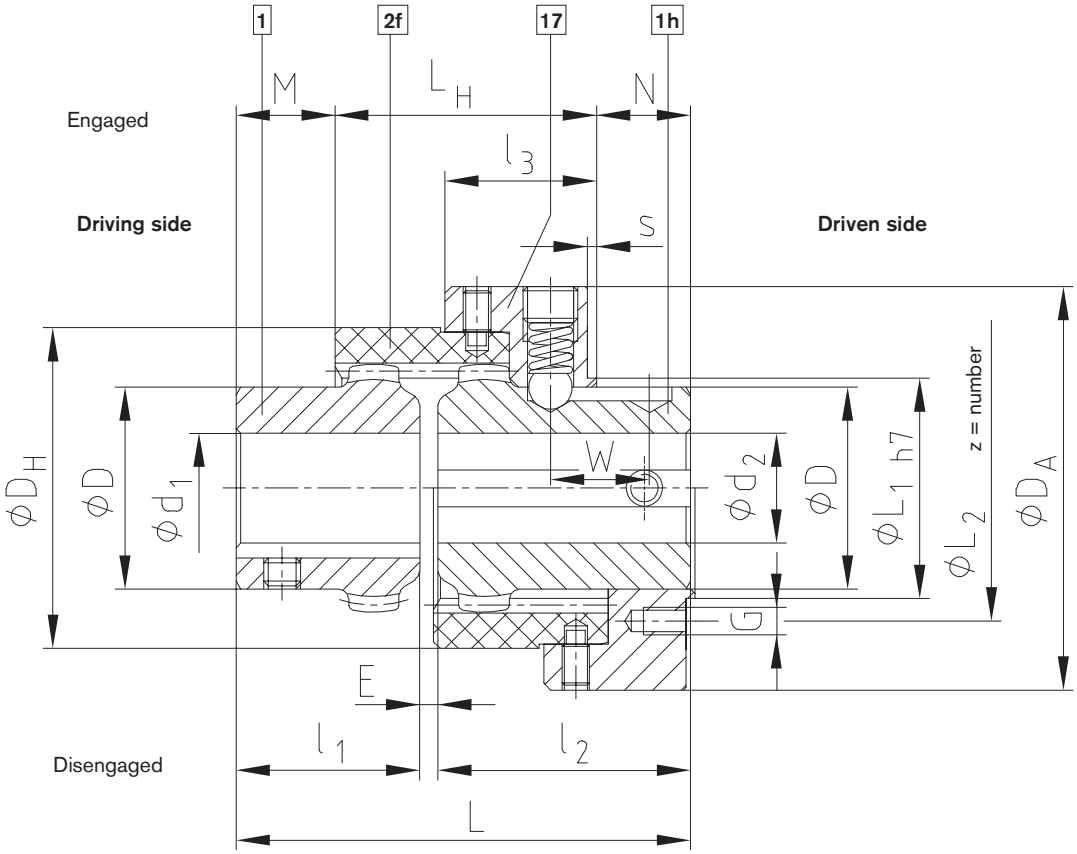
Size	Dimensions [mm]			
	L_1	L_2	z x G	s
24 SD	48	58	4 x M6	2
28 SD	48	58	4 x M6	2
32 SD	64	75	4 x M6	2
45 SD	75	90	4 x M8	2
65 SD	100	114	4 x M8	2
80 SD	130	145	4 x M8	3
100 SD	180	196	6 x M10	4
125 SD	220	236	6 x M10	4

Performance data/torques see type M (on page 84), max. circumferential speed v = 20 m/s, referring to $ØD_A$
Other sizes on request

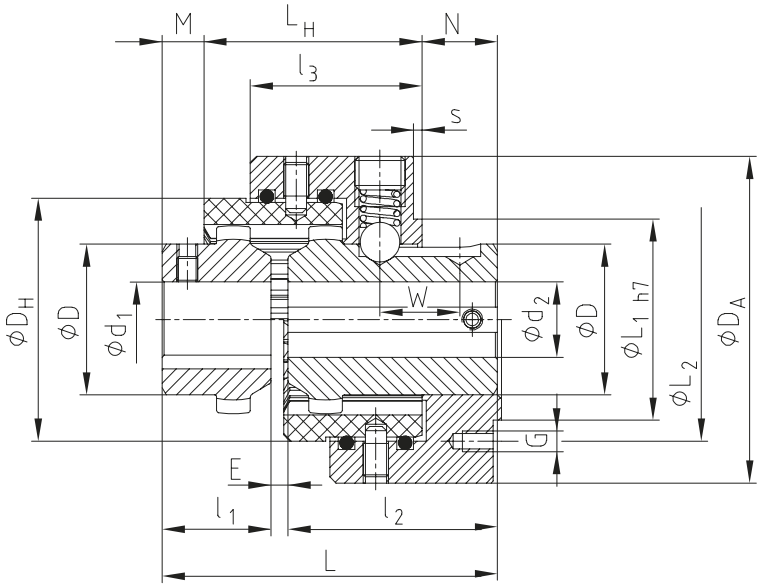
Ordering example:

BoWex® 32 SD	d_1 Ø32	d_2 Ø32
Size and type of coupling	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

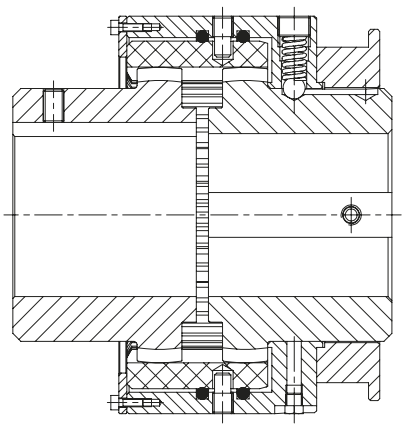
Components



BoWex® SD



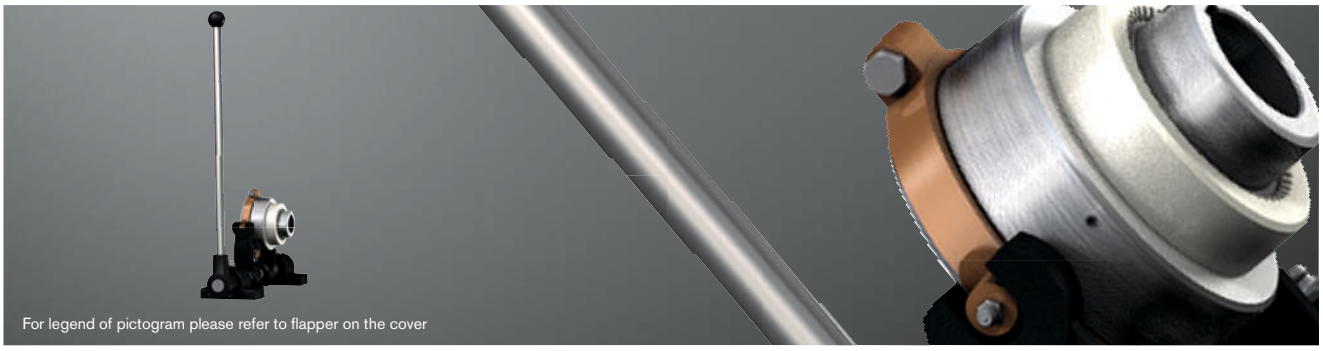
BoWex® SD-D

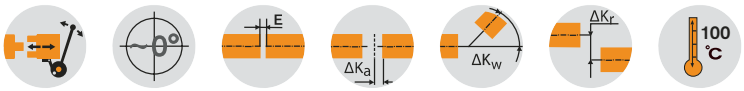


BoWex® SD-D3

BoWex® SD1
Curved-tooth gear coupling®

Shiftable coupling with shiftable linkage (at standstill)





BoWex® Type SD1 and slip ring

Size	Finish bore			Dimensions [mm]																	Shifting force [N]
	d_1	d_1 max.	d_2 max.	E	l_1	l_2	L	L_G	l_4	l_5	M	W	t	D	D_H	D_A	D_1	D_2 ±0.1 (keyway)	D_5	n ±0.1 (keyway)	
24 SD1	For finish bores see stock programme on page 86	24	24	4	26	50	80	67	11	46	10	19	16	36	58	78	45	70.5	78	12.5	140
28 SD1		28	28	4	40	55	99	72	11	48	21.5	21.5	16	44	70	88	45	70.5	78	12.5	180
32 SD1		32	32	4	40	55	99	78	13.5	53	20.5	21.5	21	50	84	100	60	89.5	100	17.5	180
45 SD1		45	45	4	42	60	106	84	14	58	21.5	22.5	22	65	100	125	70	112.5	125	18	250
		48			50		114				29.5										
65 SD1		65	65	4	55	70	129	103	16	61	26	25	25	96	140	156	96	130.5	145	20.5	350
80 SD1		80	80	6	90	90	186	124	18.5	75	56	35	29	124	175	195	125	164.5	182	25.5	350
100 SD1		100	100	8	110	110	228	152	28	94	72	43	39	152	210	235	174	210.5	230	30.5	400
125 SD1		125	125	10	140	140	290	193	30.5	114	89	52	44	192	270	298	214	250.5	275	35.5	450

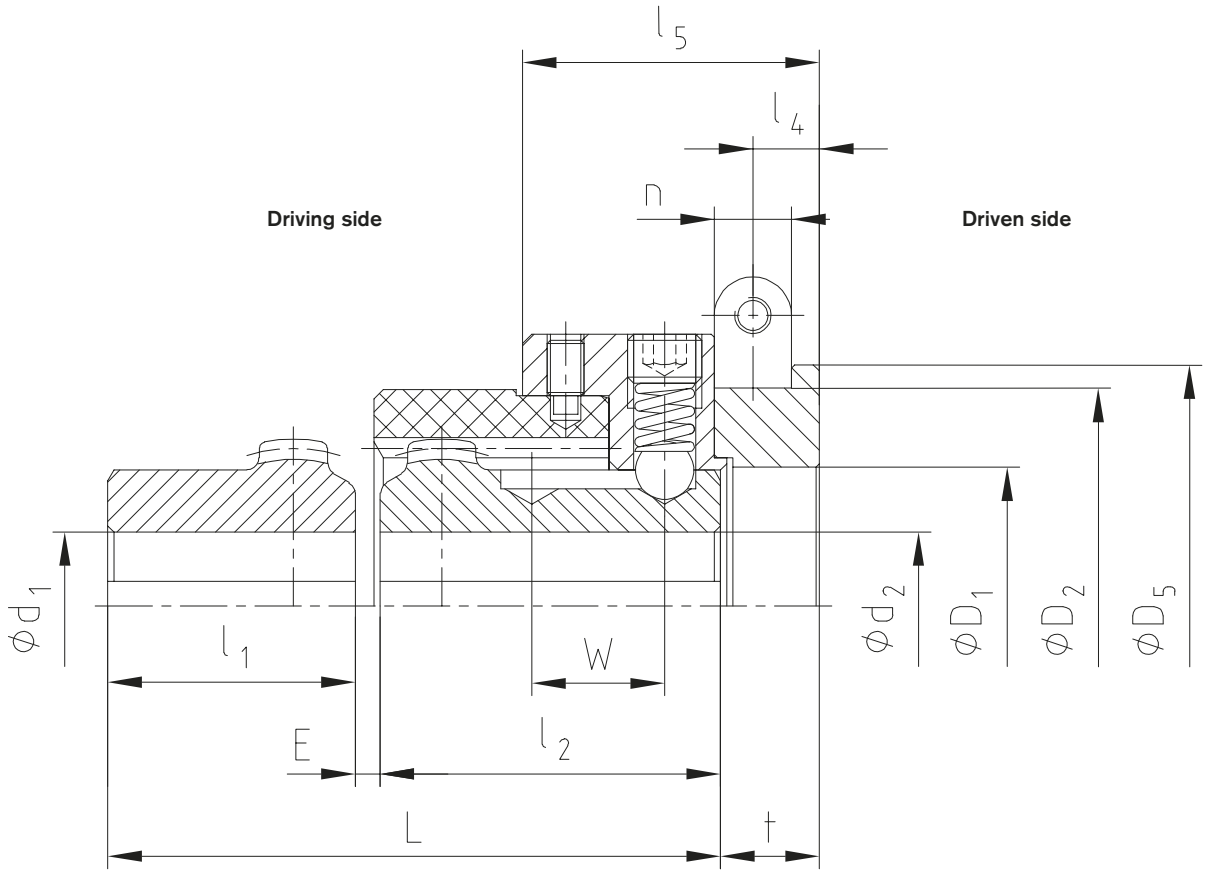
BoWex® Type SD1 - Shiftable linkage

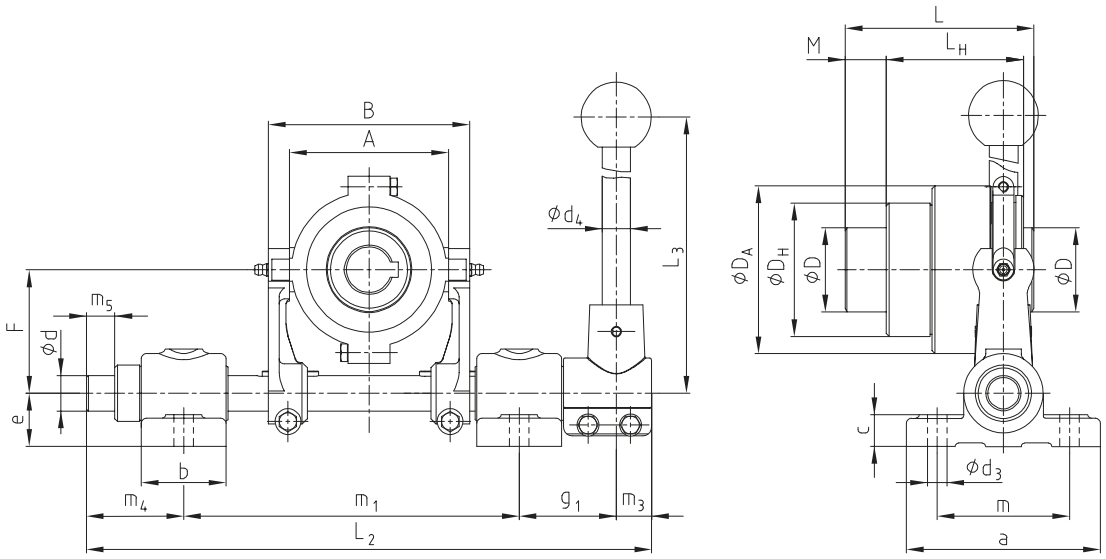
Size	Shiftable linkage size	Slip ring size	Dimensions [mm]															Dimensions with m_1 max.		
			a	b	c	d	d_3	d_4	e	F	g_1	L_2	L_3	m	m_1 min.	m_1 max.	A	B	m_3	m_4	m_5
24 SD1	1	1.1	110	50	18	20	11	16	30	70	55	320	400	75	180	190	90	114		55	16
28 SD1	1	1.1																			
32 SD1	2	2.2				25				97.5	60	430	450		240	270	111	151	20	80	34
45 SD1	3	3.3	140			30		20	40	120		490	600	100	280	310	140	180		90	44
65 SD1	3	4.4		60	25		13.5				70						170	210			
80 SD1	4	5.5				35			50	147.5		565	750		321	365	200	244		100	54
100 SD1	5	6.6	160			40		30	50 [1]	190	80	630	1085	120	365	410	250	300	30	110	62
125 SD1	5	7.7													-		300	350			

[1] = With a continuous base plate the dimension „e“ has to be increased by at least 10 mm. The brackets of the driving and driven side have to be adjusted accordingly.
Also available as type SD-D. Other sizes on request.

Performance data/torques see type M (on page 84), max. circumferential speed v = 20 m/s, referring to ØD_A

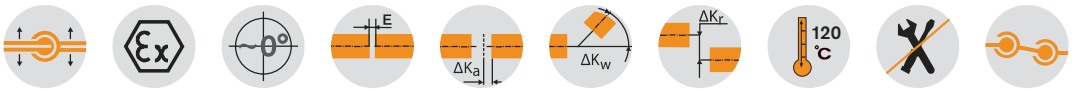
Ordering example:	BoWex® 65 SD1	d_1 Ø32	d_2 Ø32	4.4	3
	Size and type of coupling	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)		Slip ring Size	Shiftable linkage Size

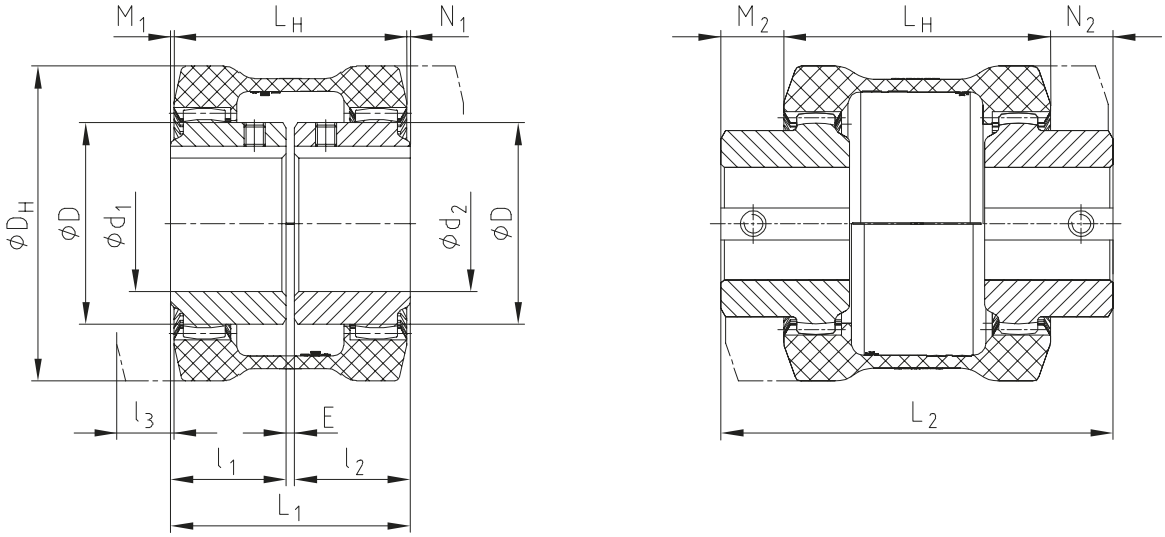

Driving side
Driven side
l5
l4
n
ϕd1
l1
W
E
l2
L
t
ϕd2
ϕD1
ϕD2
ϕD5

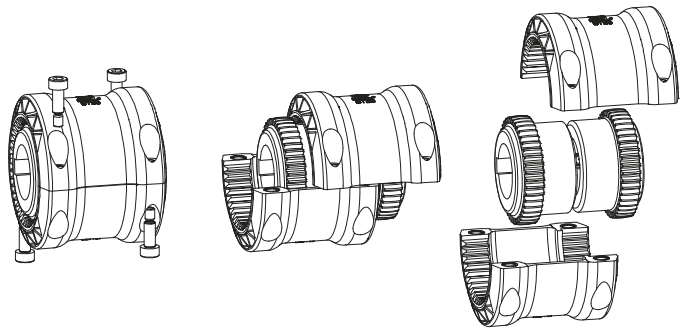

B
A
ϕd4
L3
F
ϕd
e
m5
b
m4
m1
g1
m3
L2
L
M
LH
ϕDA
ϕDH
ϕD
ϕD
c
ϕd3
m
a

BoWex® GT
Curved-tooth gear coupling®

Split CFK sleeve for high power density







BoWex® Type GT with split sleeve

Size	Torque [Nm]			Finish bore $d_{max.}$		Dimensions [mm]											Weight with max. bore [kg]			Mass moment of inertia J with max. bore [kgcm²]		
	T_{KN}	$T_{K\,max}$	T_{KW}	d_1	d_2	D	D_H	L_H	l_1	l_2	l_3	E	L_1	L_2	M_1, N_1	M_2, N_2	Sleeve	Hub	Total	Sleeve	Hub	Total
28	70	210	35	28	28	44	80	80	40	40	15	4	84	124	2	22	0.158	0.22	0.702	1.77	1.22	4.21
38	120	360	60	38	38	58	98	83	40	40	18	4	84	122	0.5	19.5	0.25	0.45	1.15	4.43	3.36	11.15
48	200	600	100	48	48	68	110	106	50	50	21	4	104	160	0	28	0.33	0.67	1.68	7.39	6.11	19.61
65	560	1680	280	65	65	96	150	111	55	55	27	4	114	160	1.5	24.5	0.69	1.54	3.77	28.9	31.80	92.5

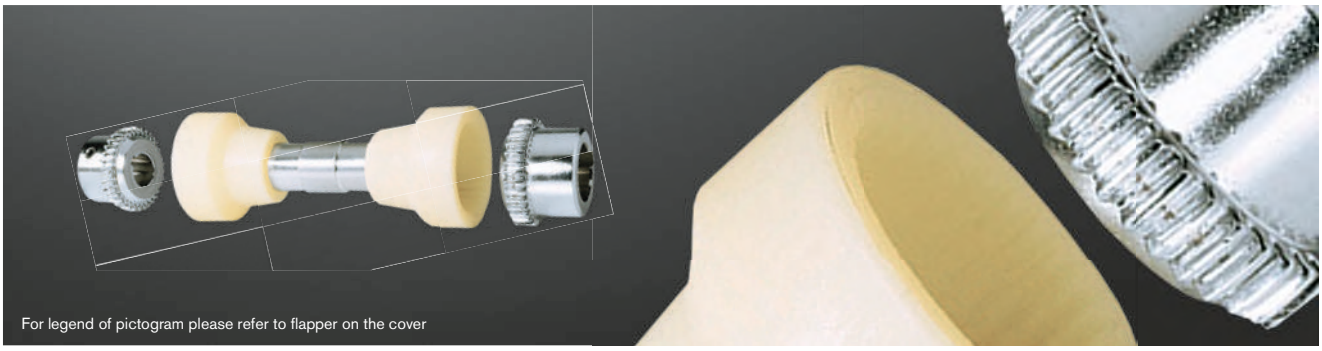
l_3 = Drop-out center dimension required

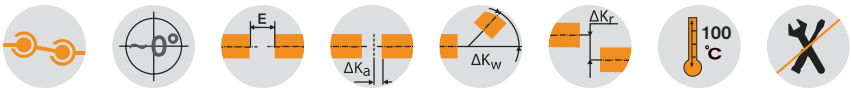
Ordering example:

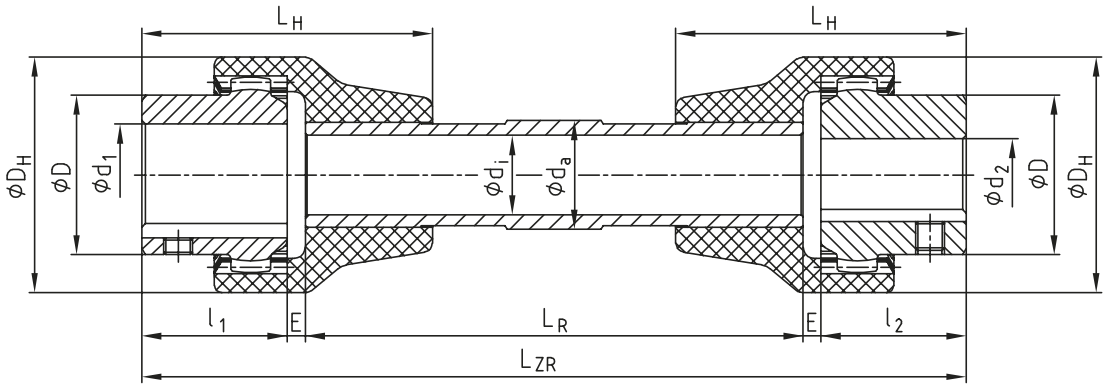
BoWex® GT-28	d_1 Ø20	d_2 Ø28
Size and type of coupling	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

BoWex® ZR
Curved-tooth gear coupling®

Bridging larger shaft distances

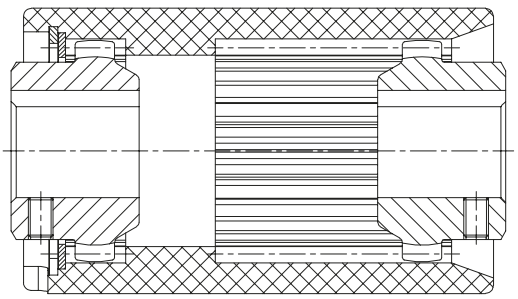






BoWex® Type ZR															
Size	Pilot bore	Finish bore	Dimensions [mm]										Torque [Nm]		
		d_1 max. d_2 max.	l_1, l_2	Hub length. max. l_1, l_2	L_H	E	L_{ZR} tot.	L_R	D	D_H	d_i	d_a	T_{KN}	$T_{K\,max}$	T_{KW}
14	-	14	23	40	40	3	As specifled by the customer		25	40	21	25	10	20	5
28	-	28	40	55	60	3			44	66	30	26	45	90	23
42	-	42	42	60	85	3			65	95	40	50	100	200	50
48	-	48	50	60	85	3			68	95	40	50	140	280	70

BoWex® ZR couplings are available up to a length of 2000 mm for serial applications only ($n_{max.}$ = 1000 rpm)

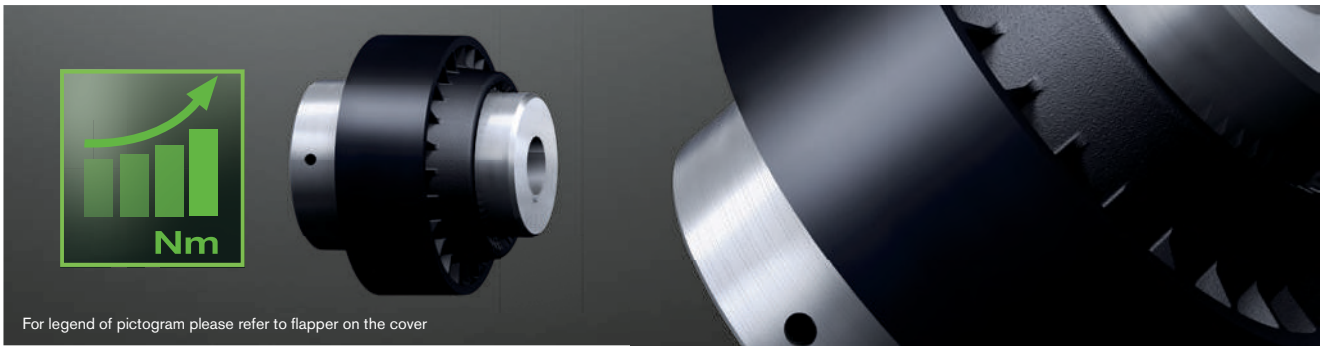


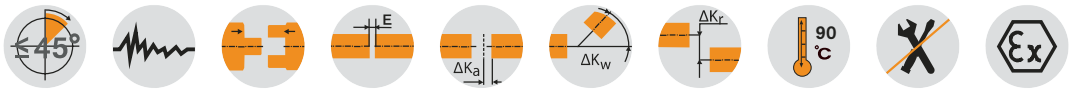
Type Spec.-I with a long PA-sleeve

- BoWex® Spec.-I with lengthened sleeve on request
- Bridging larger shaft distances
- Axial shifting of driving and driven shaft at standstill
- Maintenance-free
- Compensating for larger displacements
- Axial plug-in
- Application range from -25 °C to +100 °C

BoWex® HEW Compact
Curved-tooth gear coupling®

Compensating for large displacements, very compact design





BoWex® Type HEW Compact

Size	Max. finish bore d		Dimensions [mm]													Weight with pilot bored coupling [kg]	Mass moment of inertia with pilot bored coupling J_1 [kgm²]	Mass moment of inertia with pilot bored coupling J_2 [kgm²]
	d_1	d_2	D_1	D_2	D_4	l_1	l_2	l_3	l_4	E	L	L_1	D_3	z	M			
42-130	42	42	90	65	131	42	42	45	37	34	118	98	78	6	M6	3.4	0.003	0.001
65-180	65	65	130	96	180	60	55	55	47	30	145	122	110	8	M10	9	0.014	0.006
80-225	75	80	145	124	225	70	90	77	51	50	210	158	120	10	M12	18.9	0.035	0.029
100-305	100	100	200	152	305	90	110	90	73	58	258	187	175	16	M12	40.2	0.152	0.087
125-365	125	125	235	192	365	120	140	150	90	68	328	240	205	12	M16	75	0.36	0.26

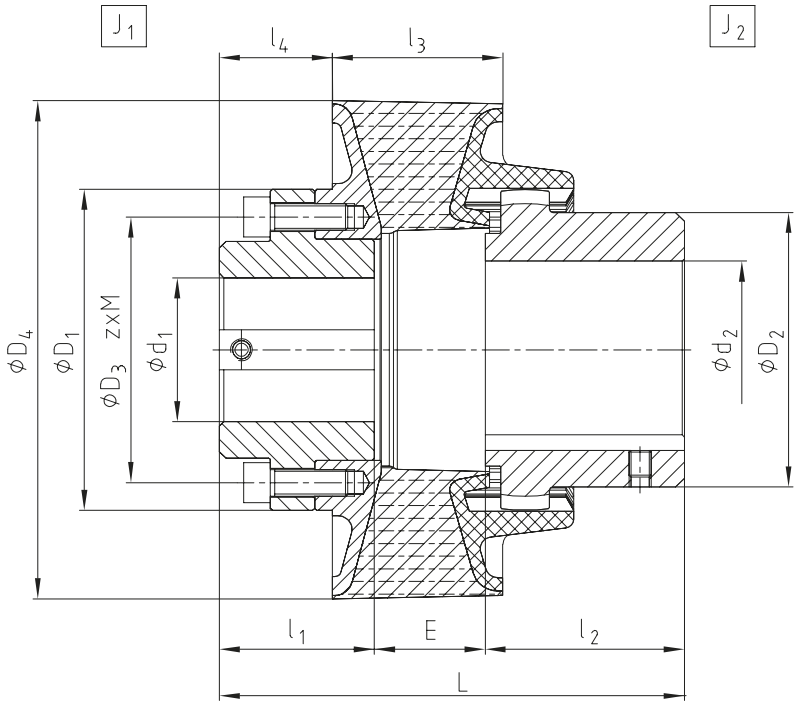
Technical data

Coupling size	Elastomer hardness [Shore A]	Torque [Nm]			Perm. speed $n_{max.}$ [rpm]	Perm. damping power			Dynamic torsion spring stiffness	Relative damping ψ	Resonance factor $V_R \approx 2 \cdot \Gamma / \psi$	Radial spring stiffness C_r [N/mm]
		T_K	$T_{K\,max}$	with 10 Hz T_{KW}		P_{KW}			$C_{t\,dyn}$ [Nm/rad]			
						60 °C	80 °C	90 °C				
	T50	200	400	50					780	0.6	10.5	178
BoWex® 42 HEW Compact	T65	270	540	68	7300	30	18	12	2400	0.8	7.9	600
	T70	320	640	80					2900	1.2	5.2	710
	T50	550	1100	138					2850	0.6	10.5	379
BoWex® 65 HEW Compact	T65	740	1500	185	5500	55	33	22	7800	0.8	7.9	955
	T70	860	1700	215					9500	1.2	5.2	1240
	T50	1250	2500	313					5000	0.6	10.5	420
BoWex® 80 HEW Compact	T65	1600	3200	400	4400	90	54	36	13000	0.8	7.9	1090
	T70	1900	3800	475					16500	1.2	5.2	1450
	T50	2750	5500	688					17000	0.6	10.5	760
BoWex® 100 HEW Compact	T65	3900	7800	975	3200	150	90	60	44000	0.8	7.9	1850
	T70	4500	9000	1125					50000	1.2	5.2	2250
	T50	5500	11000	1375					15000	0.6	10.5	476
BoWex® 125 HEW Compact	T65	7500	15000	1875	2900	220	132	88	51000	0.8	7.9	750
	T70	8400	16800	2100					62000	1.2	5.2	1930

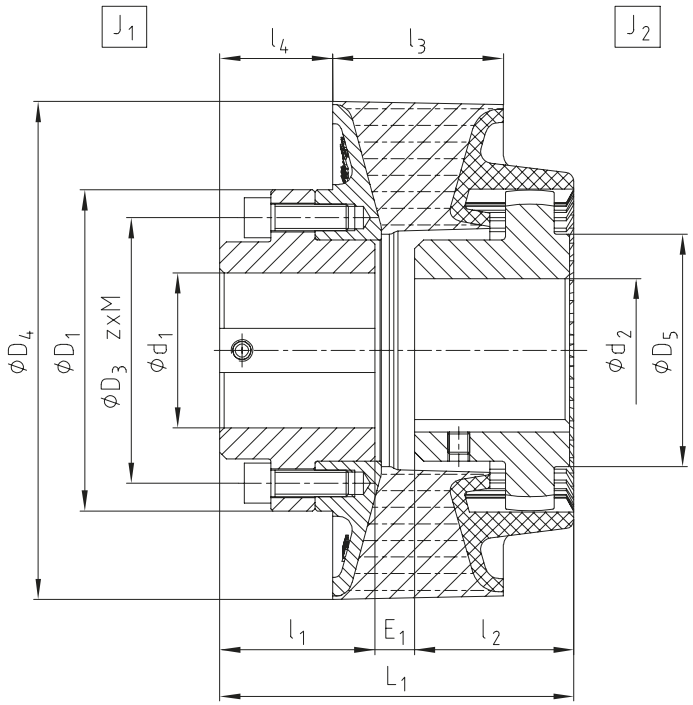
= Years of experience with applications at customer sites and additional test series in the KTR test fleld in Rheine enabled us to determine potentials allowing for an increase of the rated torques with some sizes of this series.

Ordering example:

BoWex® 65 HEW Compact	T50	d_1 Ø40	d_2 Ø65
Size and type of coupling	Elastomer hardness	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

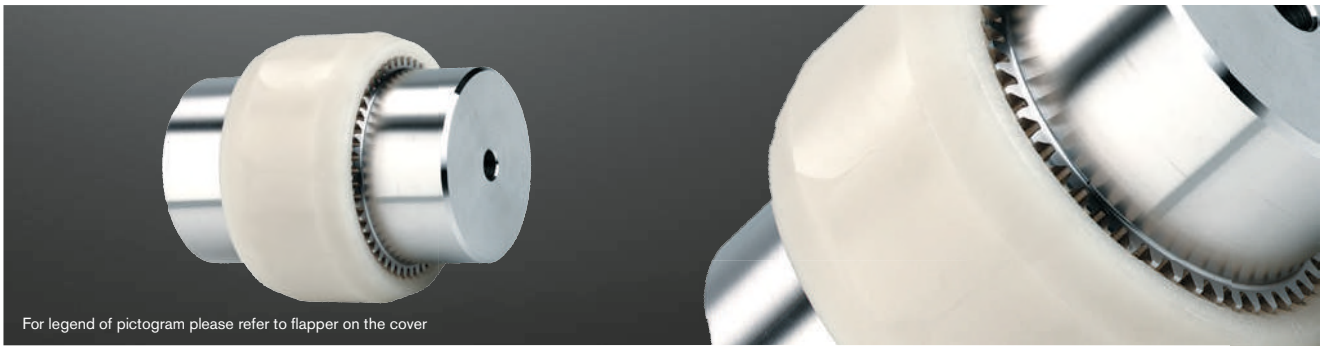


BoWex® HEW Compact with reduced hub



BoWex® M
Curved-tooth gear coupling®

Made of corrosion-resistant materials



BoWex® junior plug-in coupling (two-part) and BoWex® junior M (three-part)														
Size	Finish bore				Dimensions [mm]									
	Hub Component 1b		Plug-in sleeve Component 2b		D_H	l_1, l_2	E_1	E	L_{H1}	L_H	L_1	L	M_1	M, N
	d_1	D_1	d_2	D_2										
14	Ø6, Ø7, Ø8, Ø9	22	Ø8	22										
M-14	Ø10, Ø11	25	Ø10, Ø11	25	40	23	2	4	40	37	48	50	8	6.5
	Ø12, Ø14	26	Ø12, Ø14	26										
19	Ø12, Ø14	27	Ø14, Ø15	29										
M-19	Ø16	30			48	25	2	4	42	37	52	54	10	8.5
	Ø19	32	Ø19	35										
	Ø10, Ø11, Ø12	26	Ø14, Ø16	32										
24	Ø14, Ø15, Ø16	32			53	26	2	4	45	41	54	56	9	7.5
M-24	Ø18, Ø19, Ø20	36	Ø19, Ø20	36										
	Ø24	38	Ø24	40										

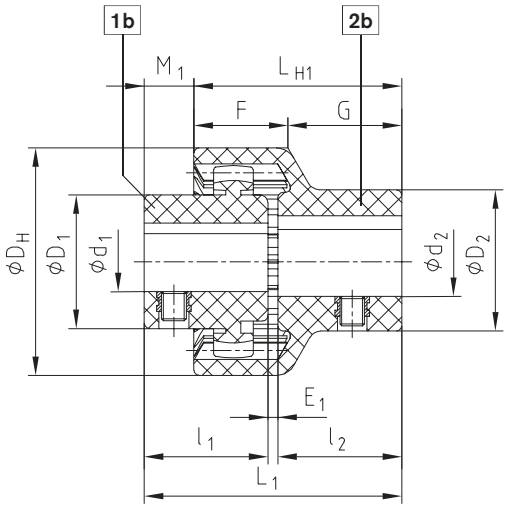
BoWex® Type M							
Size	Finish bore d_1 max., d_2 max.	Dimensions [mm]					
		D_H	D	l_1, l_2	E	L_H	L	M, N
M-24	24	53	36	26	4	41	56	7.5
M-38	38	83	58	40	4	48	84	18
M-48	48	95	68	50	4	50	104	27

Other coupling sizes: M-24C, M-38C, M-48C on request. Setscrews with BoWex® junior coupling are made of V4A as a standard.
For performance data see page 84.

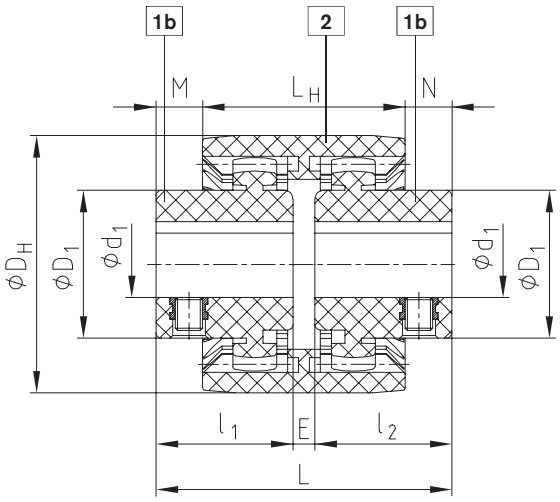
Applications:
Food industry, print and paper industry, textile industry, sewage technology, wash-mobiles, chemical and pharmaceutical industry, offshore units, etc. For use in aggressive environment (air, water, chemicals, etc.).

Ordering example:	BoWex® M-24 V4A	d_1 Ø20	d_2 Ø24
	Size and type of coupling	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

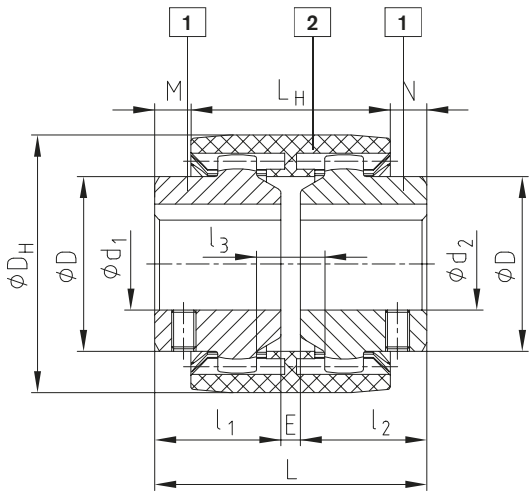
Type junior plug-in coupling (two-part)



Type junior M coupling (three-part)

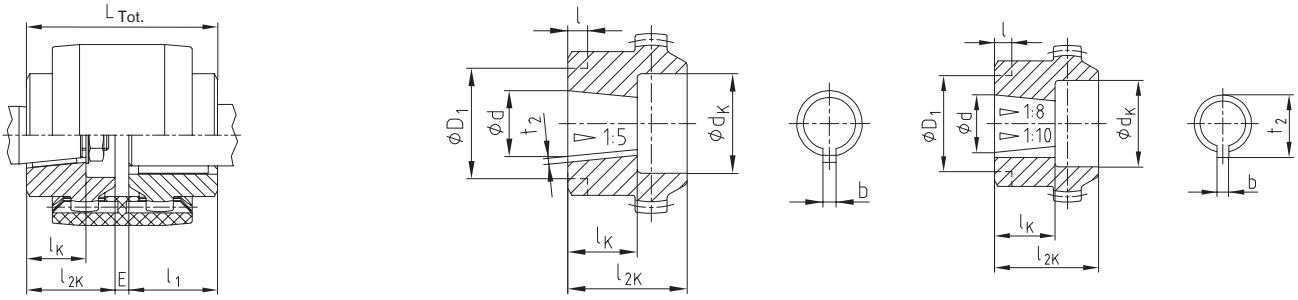


Type M (V4A)



Taper bores

BoWex® with taper bore



$L_{Tot.} = l_1 + E + l_{2K}$

see stock programme on page 86

Taper bores 1:5

Dimensions [mm]					Counterbore d_K and hub length l_{2K} [mm] Recess on hub collar D_1 x l [mm]																	
Code	Details of bores				14		19		24		28		32		38		42		48		65	
	$d^{+0.05}$	b^{JS9}	$t_2^{+0.1}$	l_K	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}
A-10	9.85	2	1.0	11.5	18	23	18	25	25	26	25	26	25	26	25	26						
					-		30 x 7		30 x 7		30 x 5		-		30 x 5							
B-17	16.85	3	1.8	18.5			25	30	28	30	36	40	36	40	36	40	45	42	45	42	45	50
C-20	19.85	4	2.2	21.5					28	36	36	40	36	40	36	40	45	42	45	42	45	50
Cs-22	21.95	3	1.8	21.5					28	36	36	40	36	40	36	40	45	42	45	42		
D-25	24.85	5	2.9	26.5							36	40	36	40	36	40	45	42	45	42	45	50
E-30	29.85	6	2.6	31.5											45	55	45	55	45	55	45	55
F-35	34.85	6	2.6	36.5															52	60	55	60
G-40	39.85	6	2.6	41.5															52	60	65	70

Taper bores 1:8

Dimensions [mm]					Counterbore d_K and hub length l_{2K} [mm] Recess on hub collar D_1 x l [mm]																	
Code	Details of bores				14		19		24		28		32		38		42		48		65	
	$d^{+0.05}$	b^{JS9}	$t_2^{+0.1}$	l_K	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}
N/1	9.7 ± 0.015	2.4 $^{+0.05}$	10.85	17	18	26	18	25	25	26	25	30	25	30	25	30						
					23 x 8		23 x 8		23 x 8		23 x 8		-		23 x 8							
N/1c	11.6	3 ^{JS9}	12.90	16.5	18	23			25	26	25	30										
N/1e	13	2.4 $^{+0.05}$	13.80	21					25	30	25	30			25	30						
N/1d	14	3 ^{JS9}	15.50	17.5	20	23	25	30	28	30	28	30	28	40								
					-		-		-		28 x 10		-									
N/2	17.287	3.2 $^{+0.05}$	18.24	24					28	35	36	40	36	40	36	40	45	42	45	42	45	50
									-		35 x 12		-		-		-		-		-	
N/2a	17.287	4 ^{JS9}	18.94	24					28	35	36	40	36	40	36	40	45	42	45	42	45	50
									-		35 x 12		-		-		-		-		-	
N/2b	17.287	3 ^{JS9}	18.34	24					28	35					36	40	45	42	45	42		
									-						-		-		-			
N/3	22.002	4 ^{JS9}	23.40	28							36	40	36	40	36	40	45	42	45	42	45	50
											-		-		-		-		-		48 x 14	
N/4	25.463	4.78 $^{+0.05}$	27.83	36							36	50	36	50	36	50	45	50	45	50	45	62
											-		-		-		58 x 10		58 x 10		-	
N/4b	25.463	5 ^{JS9}	28.23	36							36	50					45	50	45	50	45	62
N/4a	27	4.78 $^{+0.05}$	28.80	32.5											36	50						
N/4g	28.45	6 ^{JS9}	29.32	38.5											36	60	45	60	45	60		
N/5	33.176	6.38 $^{+0.05}$	35.39	44											45	60	45	60	45	60	45	62
N/5a	33.176	7 ^{JS9}	35.39	44													45	60	45	60	45	62

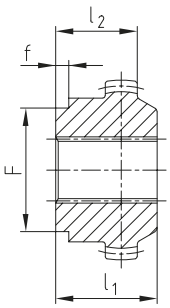
Taper bores 1:10

Dimensions [mm]					Counterbore d_K and hub length l_{2K} [mm]																	
Code	Details of bores				14		19		24		28		32		38		42		48		65	
	$d^{+0.05}$	b^{JS9}	$t_2^{+0.1}$	l_K	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}	d_K	l_{2K}
CX-20	19.85	5	22.08	32							36	50			36	50	45	50	45	50		
DX-25	24.95	6	26.68	45									36	50			45	60	45	60	45	60
EX-30	29.75	8	31.88	50													45	60	45	60	45	70

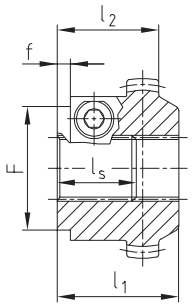
Spline hubs and inch bores

BoWex® spline hubs – basic programme

Spline hub (N)



Clamping hub (K)



If it is not possible to fasten the hubs of pump shafts with involute spline by means of an end plate and a screw, we recommend to use our spline clamping hub.
The radial clamping ensures a backlash-free tight flt on the pump shaft.

Spline and clamping hubs to DIN 5480

Size	Dimensions [mm]							Order designation specify coupling size
	Type	Spline size	l_1	l_2	l_S	F	f	
	N	25x1.25x18	42	-	-	-	-	P000205
42	K	25x1.25x18	42	-	-	-	-	P500202
	K	30x2x14	42	-	-	60	6	P500203
48	N	30x2x14	50	-	-	60	6	P000206
	K	30x2x14	50	-	-	60	6	P500203
	N	35x2x16	55	-	-	60	6	P000303
	K	35x2x16	60	-	-	60	6	P500301
65	N	40x2x18	55	-	-	78	6	P000304
	K	40x2x18	60	-	-	78	6	P500302
	K	45x2x21	55	-	-	78	6	P500401

Spline and clamping hubs to ANSI B92.1

Size	Dimensions [mm]							Order designation specify coupling size
	Type	Spline size	l_1	l_2	l_S	F	f	
	K	PH-S 5/8" 16/32DP, z=9	42	-	-	-	-	P558101
42	K	PI-S 3/4" 16/32DP, z=11	-	35	-	-	-	P559101
	K	PB-S 7/8" 16/32DP, z=13	42	-	-	60	3	P567101
	K	PB-BS 1" 16/32DP, z=15	42	-	27	50	6	P660201
48	K	PA-S 3/8" 16/32DP, z=21	50	-	45	52	7	P663301
65	K	PA-S 3/8" 16/32DP, z=21	55	-	48	52	5	P663301
	K	PC-S 1 1/4" 12/24DP, z=14	55	-	44	52	5	P656201

Inch bores – see stock programme page 86

Bore and keyway acc. to ANSI/AGMA 9002-C14
Bore (clearance flt) Keyway (commercial class flt)

KTR Code	Bore Ø [Inch]	Width of key-way [Inch]	Bore Ø [mm]	Width of keyway [mm]	Keyway depth/ Tolerance +0.381 [mm]
Tb	3/8	1/8	9.525 $^{+0.0254}$	3.175 $^{+0.05}$	10.972
DNB	7/16	3/32	11.112 $^{+0.0254}$	2.382 $^{+0.051}$	12.293
T	1/2	3/16	12.7 $^{+0.0254}$	4.762 $^{+0.051}$	14.757
Ta	1/2	1/8	12.7$^{+0.0254}$	3.175 $^{+0.051}$	14.224
DNC	17/32	1/8	13.495 $^{+0.0254}$	3.175 $^{+0.051}$	15.011
Do	9/16	1/8	14.287 $^{+0.0254}$	3.175 $^{+0.051}$	15.824
E	5/8	1/8	15.875 $^{+0.0254}$	3.175 $^{+0.051}$	17.424
Es	5/8	5/32	15.875 $^{+0.0254}$	3.968 $^{+0.051}$	17.729
Ed	5/8	3/16	15.875 $^{+0.0254}$	4.762 $^{+0.051}$	18.008
DNH	11/16	3/16	17.462 $^{+0.0254}$	4.762 $^{+0.051}$	19.634
Ad	3/4	1/8	19.05 $^{+0.0254}$	3.175 $^{+0.051}$	20.624
A	3/4	3/16	19.05 $^{+0.0254}$	4.762 $^{+0.051}$	21.259
G	7/8	3/16	22.225 $^{+0.0254}$	4.762 $^{+0.051}$	24.485
F	7/8	1/4	22.225 $^{+0.0254}$	6.35 $^{+0.051}$	25.069
Gf	15/16	1/4	23.812 $^{+0.0254}$	6.35 $^{+0.051}$	26.695
H	1	3/16	25.4 $^{+0.0254}$	4.762 $^{+0.051}$	27.686
Hs	1	1/4	25.4 $^{+0.0254}$	6.35 $^{+0.051}$	28.295
R	1 1/16	3/16	26.987 $^{+0.0254}$	4.762 $^{+0.051}$	29.286
Sb	1 1/8	1/4	28.575 $^{+0.0254}$	6.35 $^{+0.051}$	31.521

Bore and keyway acc. to ANSI/AGMA 9002-C14
Bore (clearance flt) Keyway (commercial class flt)

KTR Code	Bore Ø [Inch]	Width of key-way [Inch]	Bore Ø [mm]	Width of keyway [mm]	Keyway depth/ Tolerance +0.381 [mm]
Sd	1 1/8	5/16	28.575$^{+0.0254}$	7.937 $^{+0.051}$	32.105
Js	1 1/4	1/4	31.75$^{+0.0254}$	6.35 $^{+0.051}$	34.721
K	1 1/4	5/16	31.75$^{+0.0254}$	7.937 $^{+0.051}$	35.331
Ma	1 3/8	5/16	34.925$^{+0.0254}$	7.937 $^{+0.051}$	38.557
RH1	1 3/8	3/8	34.925$^{+0.0254}$	9.525 $^{+0.063}$	39.141
Cb	1 7/16	3/8	36.512$^{+0.0254}$	9.525 $^{+0.063}$	40.767
Ca	1 1/2	5/16	38.1$^{+0.0254}$	7.937 $^{+0.051}$	41.783
C	1 1/2	3/8	38.1 $^{+0.0254}$	9.525 $^{+0.0635}$	42.392
Nb	1 5/8	3/8	41.275 $^{+0.0254}$	9.525 $^{+0.0635}$	45.618
Ls	1 3/4	3/8	44.45 $^{+0.0254}$	9.525 $^{+0.0635}$	48.818
L	1 3/4	7/16	44.45 $^{+0.0254}$	11.112 $^{+0.0635}$	49.428
Lu	1 7/8	1/2	47.625 $^{+0.0254}$	12.7 $^{+0.0635}$	53.238
Da	1 15/16	1/2	49.212 $^{+0.0254}$	12.7 $^{+0.0635}$	54.864
Ds	2	1/2	50.8 $^{+0.0254}$	12.7 $^{+0.0635}$	56.464
Pa	2 1/8	1/2	53.975 $^{+0.0381}$	12.7 $^{+0.063}$	59.69
U	2 1/4	1/2	57.15 $^{+0.0381}$	12.7 $^{+0.063}$	62.915
Ub	2 3/8	5/8	60.325 $^{+0.0381}$	15.875 $^{+0.076}$	67.335
Wd	3 3/8	7/8	85.725 $^{+0.0381}$	22.225 $^{+0.076}$	95.504
Wf	3 5/8	7/8	92.075 $^{+0.0381}$	22.225 $^{+0.076}$	101.955

The splines and inch bores specifled are only a part of KTR's options. Many other variants are available, too.