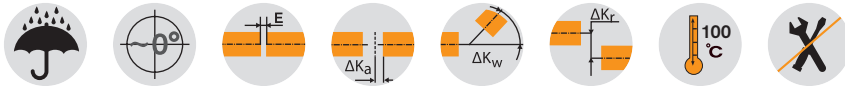


BoWex® junior and junior M Bogenzahn-Kupplung®

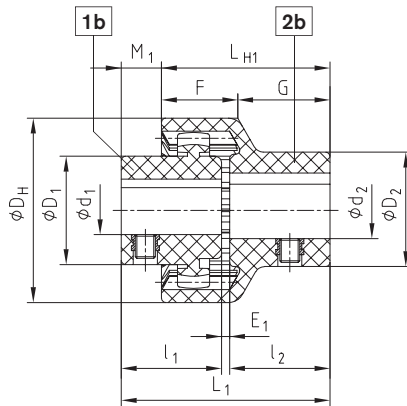
Plug-in coupling made of nylon (two-part and three-part)



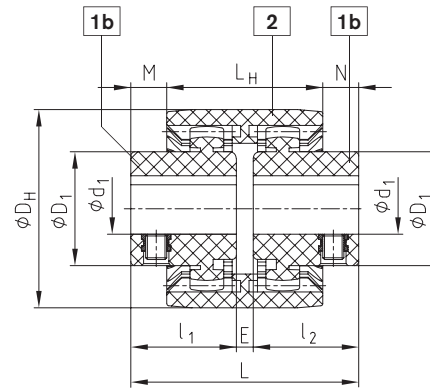
For legend of pictogram please refer to flapper on the cover



Components



Type junior plug-in coupling (two-part)



Type junior M coupling three-part

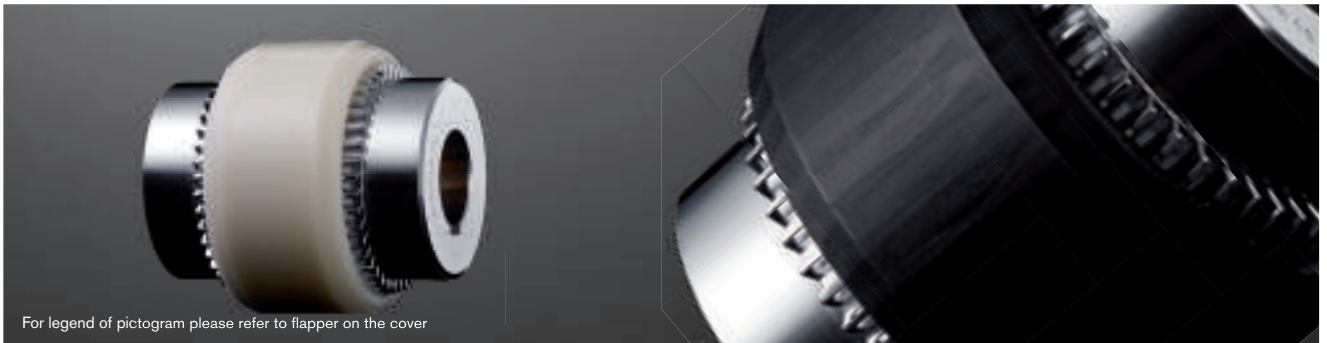
BoWex® junior plug-in coupling (two-part) and BoWex® junior M (three-part)																					
Size	Torque TK [Nm]		Finish bore				Dimensions [mm]											Max. speed [rpm]			
			Hub part 1b ¹⁾		Plug-in sleeve Part 2b ¹⁾		DH	l _{1, 2}	E ₁	L ₁	L _{H1}	M ₁	F	G	E	L	L _H		M, N		
			d ₁	D ₁ ¹⁾	d ₂	D ₂ ¹⁾															
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, keyway +0,08

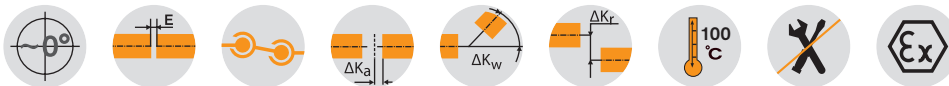
Ordering example:	BoWex® junior 19	d ₁ Ø19	d ₂ Ø14
	Coupling size two-part type or BoWex® junior M-19 three-part type	Finish bore	Finish bore

BoWex® M, I and M...C Curved-tooth gear coupling®

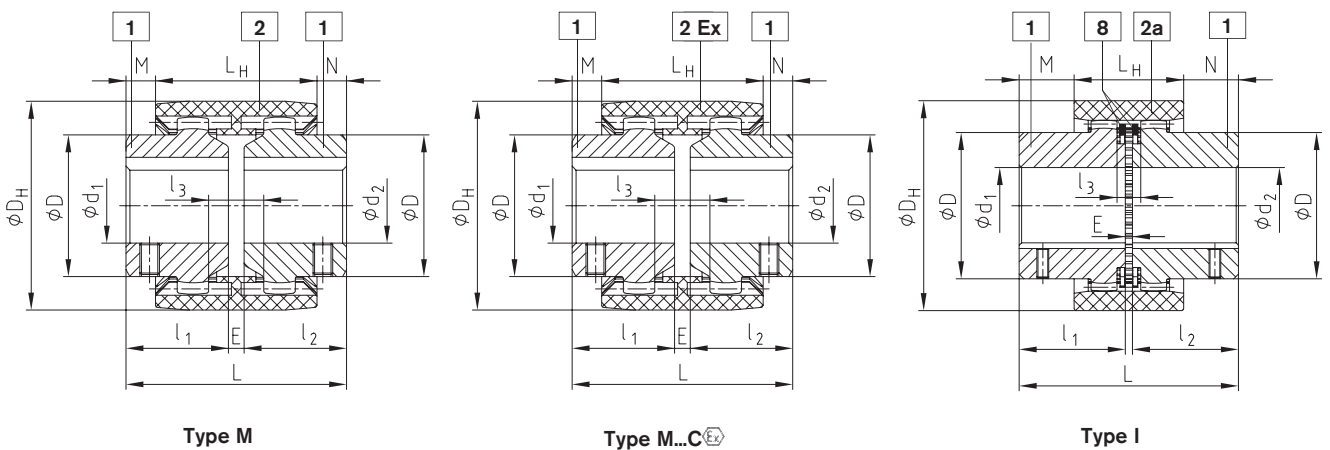
Compact and maintenance-free



For legend of pictogram please refer to flapper on the cover



Components



BoWex® type M, type I and type M...C																				
Size		Finish bore d1, d2		Dimensions [mm]											Weight with max. bore Ø			Mass moment of inertia J with max. bore Ø		
		Pilot bored	max.	l1, l2	E	L	LH	M, N	l3	D	DH	Tip circle Ø DZ hub	Number of teeth	Hub length. l1, l2 max.	Sleeve [kg]	Hub [kg]	Total [kg]	Sleeve [kgcm2]	Hub [kgcm2]	Total [kgcm2]
White sleeve	Black sleeve Ex																			
M-14	M-14C	-	15	23	4	50	37	6,5	10	25	40	33	20	40	0,03	0,07	0,10	0,08	0,09	0,26
M-19	M-19C	-	20	25	4	54	37	8,5	10	32	47	39	24	40	0,03	0,10	0,23	0,15	0,16	0,47
M-24	M-24C	-	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	M-28C	-	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	M-32C	-	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	M-38C	-	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		-	42	42	4	88	50	19	13	65	92	78	50	60	0,14	0,68	1,50	2,32	5,98	14,28
M-48	M-48C	-	48	50	4	104	50	27	13	68	95	78	50	60	0,23	0,79	1,81	3,90	7,22	18,34
M-65	M-65C	21	65	55	4	114	68	23	16	96	132	110	42	70	0,55	1,90	4,35	21,2	31,8	84,8
I-80	M-80C	31	90	90	6	186	93	46,5	20	124	178	145	46	-	1,13	5,20	11,53	68,9	150,8	370,5
I-100		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		45	125	140	10	290	134	78	30	192	270	225	54	-	3,88	19,44	42,76	562,9	1362,3	3287,5

BoWex® M applicable up to +120°C with black sleeve
BoWex® M applicable for higher torques with black sleeve (see page 84)

Ordering example:	BoWex® M-28	d1 Ø20	d2 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)