

1 Technical data

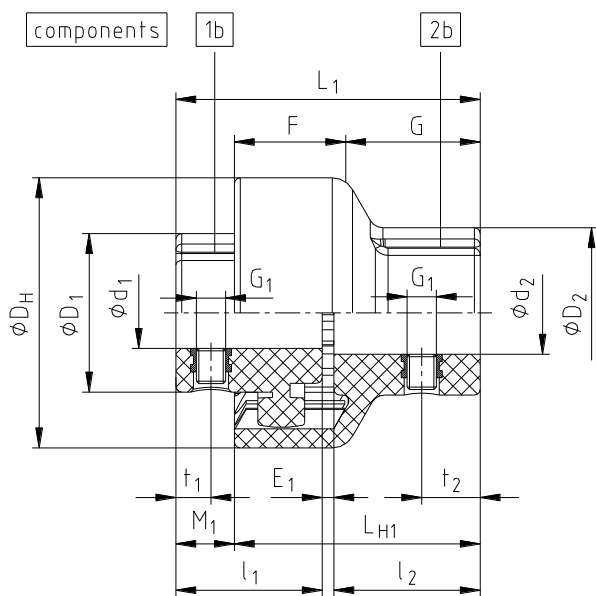


Illustration 1: BoWex® junior plug-in coupling (two-part)

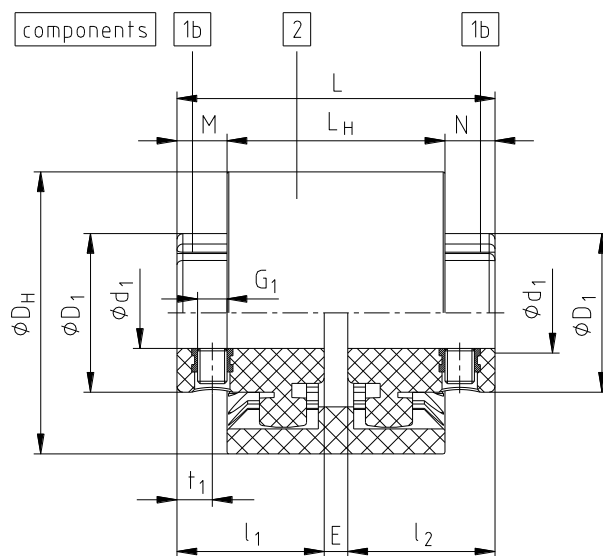


Illustration 2: BoWex® junior M coupling (three-part)

Table 1:

BoWex® junior plug-in coupling and BoWex® junior M coupling

Size	Torque [Nm]		Finish bores [mm]				Thread for setscrews				Max. speed [rpm]
	T _{KN}	T _{K max.}	Hub component 1b d ₁	D ₁	Plug-in sleeve component 2b d ₂	D ₂	G ₁	t ₁	t ₂	T _A [Nm]	
14	5	10	Ø6, Ø7, Ø8, Ø9	22	Ø8	22	M5	6	8	1.4	6000
			Ø10, Ø11	25	Ø10, Ø11	25					
			Ø12, Ø14	26	Ø12, Ø14	26					
19	8	16	Ø12, Ø14	27	Ø14, Ø15	29	M5	6	10	1.4	6000
			Ø16	30							
			Ø19	32							
24	12	24	Ø10, Ø11, Ø12	26	Ø14, Ø16	32	M5	6	10	1.4	6000
			Ø14, Ø15, Ø16	32							
			Ø18, Ø19, Ø20	36	Ø19, Ø20	36					
			Ø24	38	Ø24	40					

Table 2:

BoWex® junior plug-in coupling and BoWex® junior M coupling

Size	Dimensions [mm]											
	D _H	l ₁ ; l ₂	E ₁	L ₁	L _{H1}	M ₁	F	G	E	L	L _H	M; N
14	40	23	2	48	40	8	18.5	21.5	4	50	37	6.5
19	47	25	2	52	42	10	19.0	23.0	4	54	37	8.5
24	53	26	2	54	45	9	21.5	23.5	4	56	41	7.5

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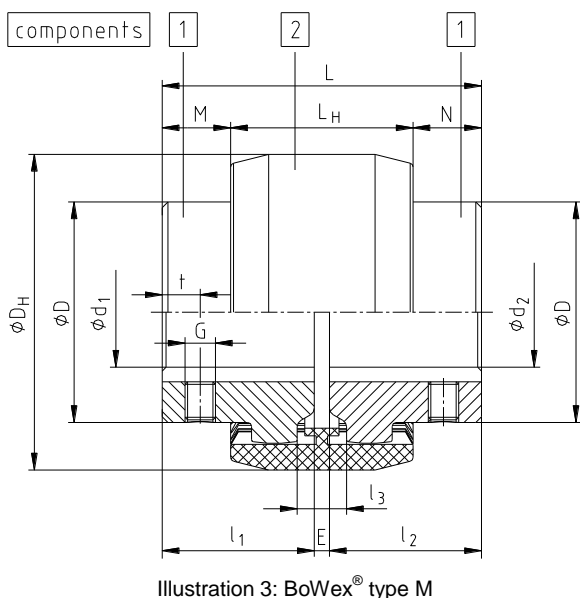


Illustration 3: BoWex® type M

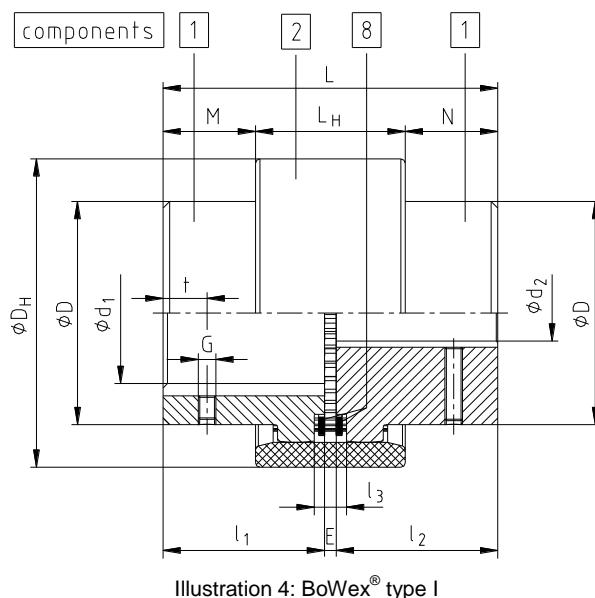


Illustration 4: BoWex® type I

Table 3:

BoWex® type M and type I

Size	Pilot bore	Max. finish bore $d_1; d_2$	Dimensions [mm]										Thread for setscrews ²⁾ [mm]			
			Un-bored	Pilot bored	$l_1; l_2$	E	L	L_H	M; N	l_3	D	D_H	D_z ¹⁾	G	t	T_A [Nm]
M-14	M-14C	x	-	15	23	4	50	37	6.5	10	25	40	33	M5	6	2
M-19	M-19C	x	-	20	25	4	54	37	8.5	10	32	47	39	M5	6	2
M-24	M-24C	x	-	24	26	4	56	41	7.5	14	36	53	45	M5	6	2
M-28	M-28C	x	-	28	40	4	84	46	19	13	44	65	54	M8	10	10
M-32	M-32C	x	-	32	40	4	84	48	18	13	50	75	63	M8	10	10
M-38	M-38C	x	-	38	40	4	84	48	18	13	58	83	69	M8	10	10
M-42		x	-	42	42	4	88	50	19	13	65	92	78	M8	10	10
M-48	M-48C	x	-	48	50	4	104	50	27	13	68	95	78	M8	10	10
M-65	M-65C	x	27 70 lg.	65	55	4	114	68	23	16	96	132	110	M10	15 / 20 ³⁾	17
I-80		-	31	80	90	6	186	93	46.5	20	124	175	145	M10	20	17
I-100		-	35	100	110	8	228	102	63	22	152	210	176	M12	30	40
I-125		-	45	125	140	10	290	134	78	30	192	270	225	M16	40	80

- 1) Tip circle of the hub
- 2) Position of threads for setscrews BoWex® M-14 to M-24 opposite the keyway; BoWex® M-28 to I-125 on the keyway
- 3) Length of hub 55 mm t = 15 mm, 70 mm t = 20 mm



BoWex® couplings with attachments that can generate heat, sparks and static charging (e. g. combinations with brake drums, brake disks, overload systems such as torque limiters, fans etc.) are not permitted for the use in hazardous locations. A separate analysis must be performed.