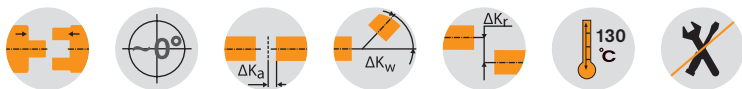


Axial plug-in, maintenance-free, torsionally rigid



BoWex® FLE-PA – Dimensions/nominal dimension to SAE

Size	Pilot bore	Finish bore d		Dimensions [mm]								Special length l1 max.	Nominal dimension to SAE (D ₃)						Max. axial displacement [mm]
		min.	max.	D	D ₁	l ₁	l ₃	l ₇	l ₈	l ₁₀	l ₁₁		6 1/2"	7 1/2"	8"	10"	11 1/2"	14"	
48	-	20	48	68	100	50	41	50	20	13	48	bis 60	●	●	●	●			± 2
T 48	13	20	48	68	100	50	38	45	20	13	46	-	●	●	●	●			± 1
T 55	17	20	55	85	115	50	37	48	24	13	48	-	●	●	●	●			± 2
65 / T 65	21	30	65	96	132	55	45	54	27	21	51	bis 70			●	●	●		± 2
T 70	26	30	70	100	153	60	48	56	30	21	57	-				●		± 2	
80 / T 80	31	35	80	124	170	90	78	87	30	21	87	-				●	●	± 2	
100 / T 100	38	40	100	152	265	110	78	108	35	21	110	-					●	●	± 2
125 / T 125	45	50	125	192	250	140	113	140	50	28	97	-					●	●	± 2

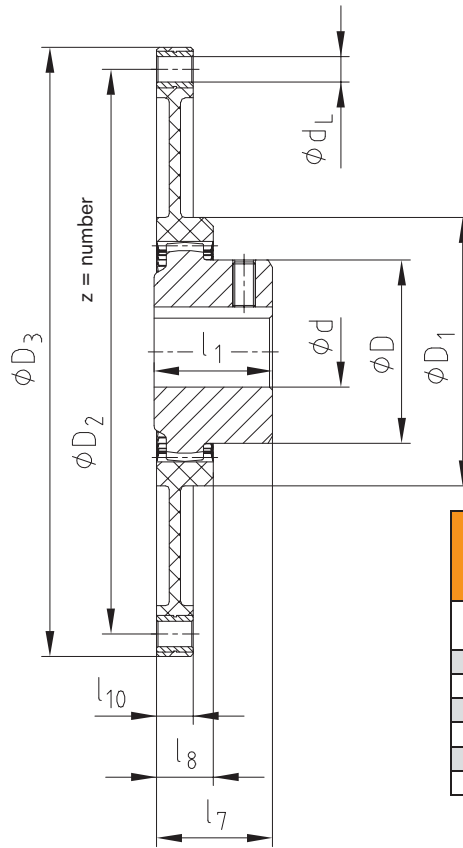
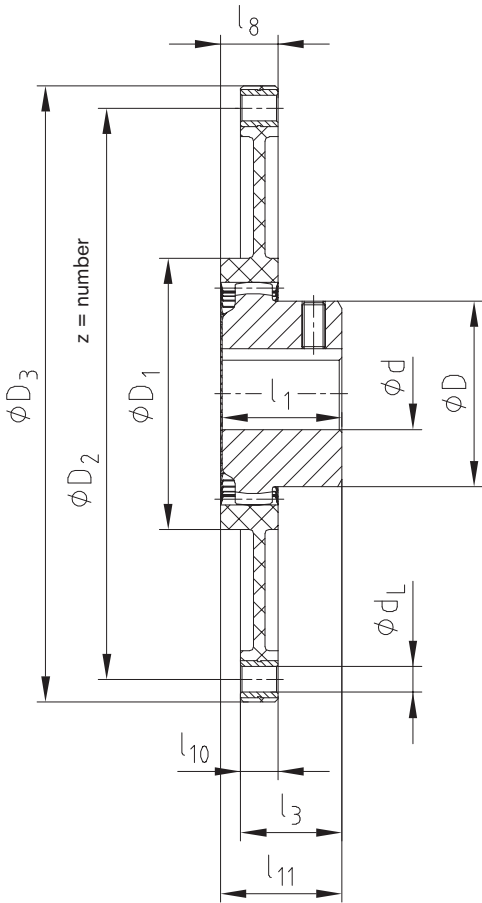
Special flange dimension see page 196 - 199 and on request

Technical data of BoWex® FLE-PA – Torques/Weights/Mass moments of inertia/Torsion spring stiffness

Size	Torque T _K [Nm]			Weight / Mass moment of inertia J	Hub with max. bore Ø	FLE-PA flanges according to SAE						Dynamic torsion spring stiffness with + 60 °C / ψ = 0.4 [Nm/rad]			
	T _{KN}	T _{K max.}	T _{KW}			6 1/2"	7 1/2"	8"	10"	11 1/2"	14"	0,30 T _{KN}	0,50 T _{KN}	0,75 T _{KN}	1,00 T _{KN}
48	240	600	120	[kg]	0,79	0,32	0,43	0,51	0,64	-	-	35 x 10 ³	75 x 10 ³	105 x 10 ³	125 x 10 ³
				[kgm ²]	0,0007	0,0021	0,0035	0,0049	0,0085	-	-	-	-	-	-
T 48	300	750	150	[kg]	0,79	0,32	0,43	0,51	0,64	-	-	40 x 10 ³	86 x 10 ³	120 x 10 ³	143 x 10 ³
				[kgm ²]	0,0007	0,0021	0,0035	0,0049	0,0085	-	-	-	-	-	-
T 55	450	1125	225	[kg]	1,12	0,34	0,62	0,45	0,646	-	-	90 x 10 ³	140 x 10 ³	170 x 10 ³	195 x 10 ³
				[kgm ²]	0,0016	0,0022	0,0053	0,0044	0,0086	-	-	-	-	-	-
65	650	1600	325	[kg]	2,30	-	-	0,63	0,64	0,89	-	110 x 10 ³	160 x 10 ³	200 x 10 ³	230 x 10 ³
				[kgm ²]	0,0044	-	-	0,0064	0,0065	0,012	-	-	-	-	-
T 65	800	2000	400	[kg]	2,40	-	-	0,63	0,64	0,89	-	130 x 10 ³	190 x 10 ³	240 x 10 ³	280 x 10 ³
				[kgm ²]	0,0044	-	-	0,0064	0,0065	0,012	-	-	-	-	-
T 70	1000	2500	500	[kg]	2,60	-	-	-	0,941	-	-	165 x 10 ³	315 x 10 ³	345 x 10 ³	368 x 10 ³
				[kgm ²]	0,0059	-	-	-	0,0132	-	-	-	-	-	-
80	1200	3000	600	[kg]	5,20	-	-	-	1,05	1,12	-	200 x 10 ³	410 x 10 ³	580 x 10 ³	700 x 10 ³
				[kgm ²]	0,0151	-	-	-	0,015	0,022	-	-	-	-	-
T 80	1500	3750	750	[kg]	5,20	-	-	-	1,05	1,12	-	240 x 10 ³	450 x 10 ³	638 x 10 ³	770 x 10 ³
				[kgm ²]	0,0151	-	-	-	0,015	0,022	-	-	-	-	-
100	2050	5150	1025	[kg]	9,37	-	-	-	-	1,16	8,45	500 x 10 ³	700 x 10 ³	856 x 10 ³	950 x 10 ³
				[kgm ²]	0,0401	-	-	-	-	0,021	0,234	-	-	-	-
T 100	2500	6250	1250	[kg]	9,37	-	-	-	-	1,16	8,45	600 x 10 ³	830 x 10 ³	960 x 10 ³	1070 x 10 ³
				[kgm ²]	0,0401	-	-	-	-	0,021	0,234	-	-	-	-
125	4250	10700	2125	[kg]	19,73	-	-	-	-	2,09	9,85	1280 x 10 ³	1885 x 10 ³	2280 x 10 ³	2665 x 10 ³
				[kgm ²]	0,1359	-	-	-	-	0,043	0,306	-	-	-	-
T 125	5300	13250	2650	[kg]	19,73	-	-	-	-	2,09	9,85	1600 x 10 ³	2250 x 10 ³	2700 x 10 ³	3200 x 10 ³
				[kgm ²]	0,1359	-	-	-	-	0,043	0,306	-	-	-	-

Short mounting

Long mounting



**Flange dimensions
acc. to SAE J 620 [mm]**

Size	D ₃	D ₂	z	d _L
6 1/2"	215,9	200,02	6	9
7 1/2"	241,3	222,25	8	9
8"	263,52	244,47	6	11
10"	314,32	295,27	8	11
11 1/2"	352,42	333,37	8	11
14"	466,72	438,15	8	13

Example of installation

