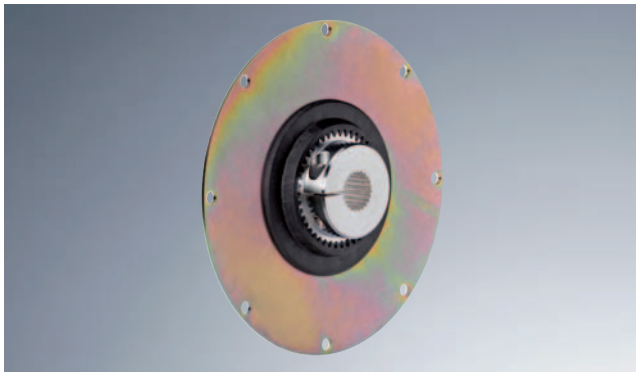
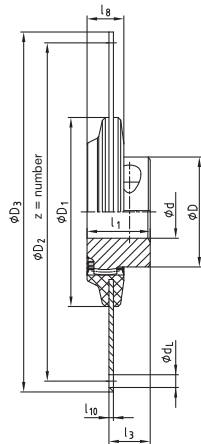


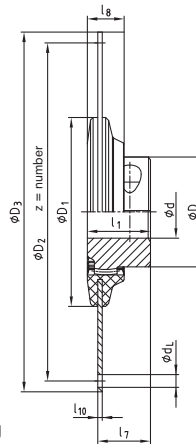
## Type FLE-PAC



- Flange coupling for connection to I. C.-engines and hydraulic pumps
- Applicable to all hydrostatic drives of construction machines, harvesting machines, etc.
- High torsional stiffness – operation free from resonance
- Maintenance-free due to the material combination nylon (PAC)/steel
- Nylon flange with high mechanical resistance and thermal strength (+ 130 °C)
- Extremely short assembly
- Easy assembly by axial mounting
- Special mounting flanges available



Mounting short



Mounting long

Flange dimensions according to SAE J 620 [mm]				
Size	D <sub>3</sub>	D <sub>2</sub>	z	d <sub>L</sub>
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	14

BoWex®-FLE-PAC – dimensions/dimension to SAE																	
Size	Pilot bore	Finish bore d		Dimensions [mm]							Special length l <sub>1</sub> max.	Dimension to SAE (D <sub>3</sub> )					Max. axial displacement [mm]
		min.	max.	D	D <sub>1</sub>	l <sub>1</sub>	l <sub>3</sub>	l <sub>7</sub>	l <sub>8</sub>	l <sub>10</sub>		6 1/2"	7 1/2"	8"	10"	11 1/2"	
48 / T 48	13	20	48	68	110	50	35	46	25	3	up to 60	●	●	●	●	●	± 3
65 / T 65	26	30	65	96	165	55	36	46	32	4	up to 70			●	●	●	± 3
80 / T 80	31	35	80	124	220	90	72	76	35	4	-				●	●	± 3

Technical data of BoWex® FLE-PAC – torques/weight/mass moments of inertia/torsion spring stiffness																		
Size	Torque T <sub>K</sub> [Nm]			Weight / Mass moment of inertia J	Hub with max. bore Ø	FLE-PAC flanges according to SAE						Dynamic torsion spring stiffness with + 60 °C / ψ = 0,45 [Nm/rad]						
	T <sub>KN</sub>	T <sub>K max.</sub>	T <sub>KW</sub>			6 1/2"	7 1/2"	8"	10"	11 1/2"	14"	0,30 T <sub>KN</sub>	0,50 T <sub>KN</sub>	0,75 T <sub>KN</sub>	1,00 T <sub>KN</sub>			
48	240	600	120	[kg]	0,79	0,77	0,98	1,19	1,73						57 x 10 <sup>3</sup>	89 x 10 <sup>3</sup>	109 x 10 <sup>3</sup>	126 x 10 <sup>3</sup>
				[kgm <sup>2</sup> ]	0,0007	0,0049	0,0077	0,0109	0,0221									
T 48	300	750	150	[kg]	0,79	0,77	0,98	1,19	1,73						74 x 10 <sup>3</sup>	115 x 10 <sup>3</sup>	141 x 10 <sup>3</sup>	164 x 10 <sup>3</sup>
				[kgm <sup>2</sup> ]	0,0007	0,0049	0,0077	0,0109	0,0221									
65	650	1600	325	[kg]	2,3			1,48	2,20	2,83					164 x 10 <sup>3</sup>	286 x 10 <sup>3</sup>	365 x 10 <sup>3</sup>	411 x 10 <sup>3</sup>
				[kgm <sup>2</sup> ]	0,0044			0,0145	0,0294	0,0467								
T 65	800	2000	400	[kg]	2,4			1,48	2,20	2,83					202 x 10 <sup>3</sup>	328 x 10 <sup>3</sup>	420 x 10 <sup>3</sup>	473 x 10 <sup>3</sup>
				[kgm <sup>2</sup> ]	0,004			0,0145	0,0294	0,0467								
80	1200	3000	600	[kg]	5,2				2,27	2,90	5,20				433 x 10 <sup>3</sup>	765 x 10 <sup>3</sup>	990 x 10 <sup>3</sup>	1200 x 10 <sup>3</sup>
				[kgm <sup>2</sup> ]	0,0151				0,0312	0,0485	0,1462							
T 80	1500	3750	750	[kg]	5,2				2,27	2,90	5,20				520 x 10 <sup>3</sup>	920 x 10 <sup>3</sup>	1200 x 10 <sup>3</sup>	1400 x 10 <sup>3</sup>
				[kgm <sup>2</sup> ]	0,0151				0,0312	0,0485	0,1462							

## Selection according to engine torque T<sub>AN</sub> for BoWex® FLE-PA/FLE-PAC

For a selection according to the engine driving torque T<sub>AN</sub> a service factor K = 1,3 – 1,6 should be considered, depending on the load.

$$T_{KN} \geq T_{AN} \cdot K$$

wheel loaders	K 1,6	fork lift trucks	K 1,6
compact loaders	K 1,6	concrete mixer trucks	K 1,3
hydraulic excavators	K 1,4	concrete pumps	K 1,4
mobile cranes	K 1,6	asphalt finishers	K 1,4
graders	K 1,5	concrete cutters	K 1,4
vibration rollers	K 1,4	road mortisers	K 1,4