

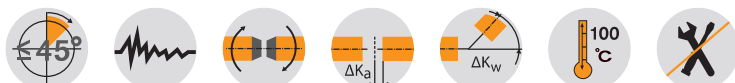
# BoWex-ELASTIC® HEG

## Highly flexible flange couplings

### Cardan shaft connecting coupling



For legend of pictogram please refer to flapper on the cover



BoWex-ELASTIC® Type HEG1 and type HEG2																														
Size	Flywheel connection acc. to SAE-J620					Metric flange connection HEG1 dimensions [mm]										MECHANICS cardan shaft connection HEG2 dimensions [mm]								Dimensions [mm]			Weight [kg]	Mass moment of inertia		
	8"	10"	11 1/2"	14"	16"	58	65	75	90	100	120	150	180	l <sub>4</sub>	L	2 C	4 C	5 C	6 C	7 C	8,5 C	8 C	L <sub>1</sub>	D <sub>4</sub>	l <sub>2</sub>	l <sub>3</sub>		JA [kgm <sup>2</sup> ]	JL [kgm <sup>2</sup> ]	
48 <sup>1)</sup>	●					●	●	●						8	58.5										163	43.5	8	7	0.03	0.006
		●				●	●	●																			8	0.06	0.006	
G 65 <sup>1)</sup>		●					●	●	●	●				8	66	●	●	●						71	205	48.0	10	12	0.07	0.02
			●				●	●	●	●						●	●	●									14	0.10	0.02	
80 <sup>1)</sup>		●					●	●	●	●				10	88.5		●	●	●	●				104	265	68.5	23	21	0.11	0.06
			●				●	●	●	●							●	●	●	●							12	23	0.17	0.06
G 80 <sup>1)</sup>			●				●	●	●	●	●			10	96			●	●	●	●			110	302	74.0	23	26	0.18	0.09
				●			●	●	●	●	●							●	●	●	●						12	33	0.48	0.09
100 <sup>1)</sup>				●			●	●	●	●	●			12	98					●	●			128	350	78.0	16	41	0.63	0.19
125 <sup>2)</sup>				●			●	●	●	●	●			12	111						●	●		135	416	96.0	18	56	0.74	0.42
					●		●	●	●	●	●										●	●					12	59	0.97	0.42

<sup>1)</sup> Technical data see page 220

<sup>2)</sup> Technical data see page 222

Flywheel connection to SAE-J620				
Size	D <sub>A</sub>	D <sub>1</sub>	z <sub>1</sub>	d <sub>1</sub>
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
16"	517.50	489.00	8	14

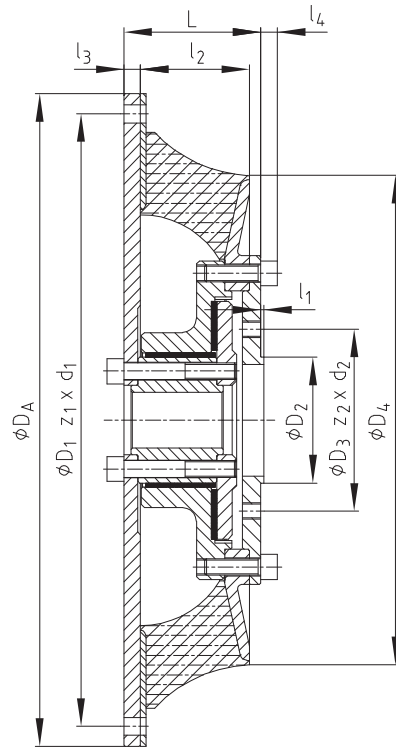
Metric flange connection HEG1 [mm]					
Size	D <sub>2</sub>	l <sub>1</sub>	D <sub>3</sub>	z <sub>2</sub>	d <sub>2</sub>
58	30	1.0	47.0	4	M5
65	35	1.0	52.0	4	M6
75	42	1.5	62.0	6	M6
90	47	2.0	74.5	4	M8
100	57	2.0	84.0	6	M8
120	75	2.0	101.5	8	M10
150	90	2.5	130.0	8	M12
180	110	3.0	155.5	8	M14

MECHANICS cardan shaft connection HEG2 [mm]						
Size	D <sub>5</sub>	l <sub>5</sub>	l <sub>6</sub>	l <sub>7</sub>	l <sub>8</sub>	z <sub>3</sub>
2 C	79.35	33.3	59.5	9.50	3.8	M8
4 C	107.92	36.5	87.3	9.50	3.8	M8
5 C	115.06	42.9	88.9	14.26	5.1	M10
6 C	140.46	42.9	114.3	14.26	5.1	M10
7 C	148.39	49.2	117.5	15.85	6.0	M12
8,5 C	165.08	71.4	123.8	15.85	6.0	M12
8 C	206.32	49.2	174.6	15.85	6.0	M12

BoWex-ELASTIC® type HEG has a maintenance-free plain bearing compensating for the radial loads generated by the cardan shaft. Moreover, the coupling has a friction disk which is axially prestressed by the elastomer part. The elastomer part is made of natural rubber via vulcanizing.

The permanent friction provides the coupling with excellent damping properties reducing the high vibratory torques arising in the coupling during the starting process and running through resonance considerably.

Type HEG1



Type HEG2

