

**BK8**

# WITH ISO FLANGE CONNECTION

50 - 2,600 Nm



## ABOUT

### FEATURES

- for ISO flange output gearboxes
- allows for continuous hollow through axis with some right angle gearbox designs
- compact design

### MATERIAL

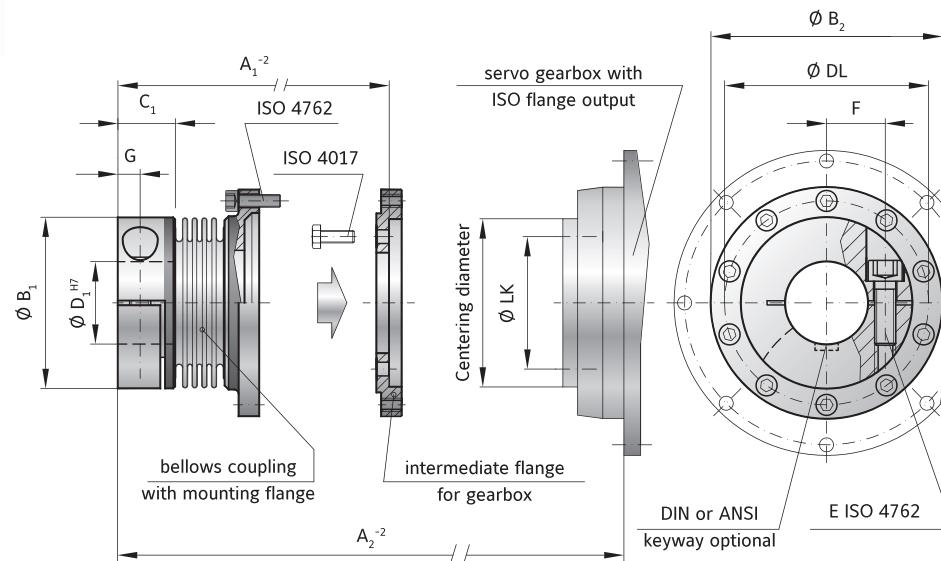
- **Bellows:** high grade stainless steel

- **Hubs:** up through size 300 aluminum, size 1500 and up steel

- **Adapter flange:** steel

### DESIGN

One clamping hub on one end with an integral flange and adapter flange on the other end. Maximum transmittable torque depends on the bore diameter.



## MODEL BK8

SIZE	15	60	150	300	1500
Flange centering diameter (mm)	40 h7	63 h7	80 h7	100 h7	160 h7
Flange bolt circle / thread Ø (mm)	31.5 / 8 x M5	50 / 8 x M6	63 / 12 x M6	80 / 12 x M8	125 / 12 x M10
Maximum torque* (Nm)	50	210	380	750	2600
Length -2 (mm) A <sub>1</sub>	48.5	67	72	90	140
Length -2 (mm) A <sub>2</sub>	68	97	101	128	190
Outside diameter of hub (mm) B <sub>1</sub>	49	66	82	110	157
Flange diameter (mm) B <sub>2</sub>	63.5	86	108	132	188
Fit length (mm) C <sub>1</sub>	16.5	23	27.5	34	55
Inside diameter possible from Ø to Ø H7 (mm) D <sub>1</sub>	12-28	14-35	19-42	24-60	50-80
Hub bolt circle (mm)	56.5	76	97	120	170
Fastening threads (mm)	DL	10 x M4	10 x M5	10 x M6	12 x M6
Fastening screws ISO 4762	E <sub>1</sub>	1 x M5	1 x M8	1 x M10	1 x M12
Tightening torque of the fastening screw (Nm)		8	45	80	120
Distance between centerlines (mm) F		1 x 17.5	1 x 23	1 x 27	1 x 39
Distance (mm) G		6.5	9.5	11	13
Approximate weight (kg)		0.3	0.7	1	2.8
Moment of inertia ( $10^{-3}$ kgm <sup>2</sup> ) J <sub>ges</sub>		0.15	0.65	1.3	5.5
Lateral $\pm$ (mm)	Max. values	0.25	0.25	0.25	0.25
Angular $\pm$ (degree)		1	1	1	1
Axial $\pm$ (mm)		1	1.5	2	3

\* maximum torque transmittable only for brief periods and requires maximum bore for clamping strength

ORDERING EXAMPLE	BK8	60	22.23	67	XX
Model	●				
Size		●			
Bore D1 H7			●		
Overall length mm				●	
For custom features place an XX at the end of the part number and describe the special requirements (e.g. BK8 / 60 / 22.23 / 67 / XX; XX=anodized hubs)					

Special designation only  
(e.g. special bore tolerance).