

**BK8**

# WITH ISO FLANGE CONNECTION

50 – 2,600 Nm

## PROPERTIES

### FEATURES

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

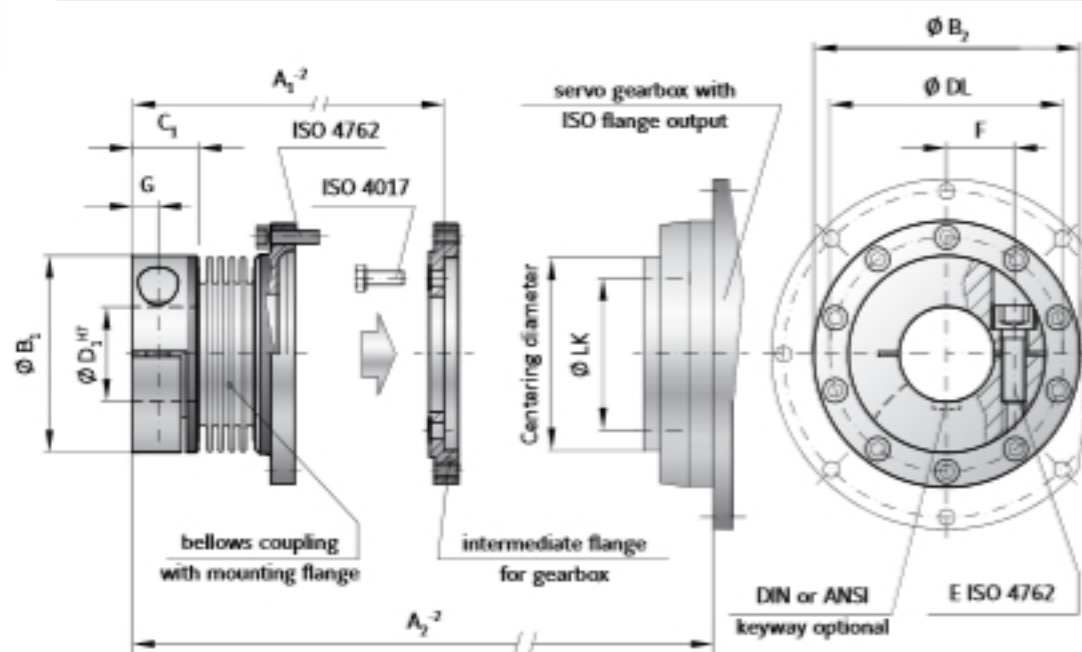
### MATERIAL

- ▶ **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 $\phi$	(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)	$A_1$ 48.5	67	72	90	140
Length -2	(mm)	$A_2$ 68	97	101	128	190
Outside diameter of hub	(mm)	$B_1$ 49	66	82	110	157
Flange diameter	(mm)	$B_2$ 63.5	86	108	132	188
Fit length	(mm)	$C_1$ 16.5	23	27.5	34	55
Inside diameter possible from $\phi$ to $\phi$ H7	(mm)	$D_1$ 12-28	14-35	19-42	24-60	50-80
Hub bolt circle	(mm)	DL 56.5	76	97	120	170
Fastening threads	(mm)	10 x M4	10 x M5	10 x M6	12 x M6	16 x M8
Fastening screws ISO 4762		1 x M5	1 x M8	1 x M10	1 x M12	2 x M20
Tightening torque of the fastening screw	(Nm)	$F_1$ 8	45	80	120	470
Distance between centerlines	(mm)	F 1 x 17.5	1 x 23	1 x 27	1 x 39	2 x 55
Distance	(mm)	G 6.5	9.5	11	13	22.5
Approximate weight	(kg)	0.3	0.7	1	2.8	10
Moment of inertia	(10 <sup>-3</sup> kgm <sup>2</sup> )	$J_{pm}$ 0.15	0.65	1.3	5.5	45
Lateral	$\pm$ (mm)	0.25	0.25	0.25	0.25	0.25
Angular	$\pm$ (degree)	1	1	1	1	1
Axial	$\pm$ (mm)	1	1.5	2	2.5	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				●	
<b>Special designation only (e.g. special bore tolerance).</b>					

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)