

RELIABLE AND TORSIONALLY RIGID

BELLOWS COUPLINGS

SERIES BK 8 | 15 – 2,600 Nm



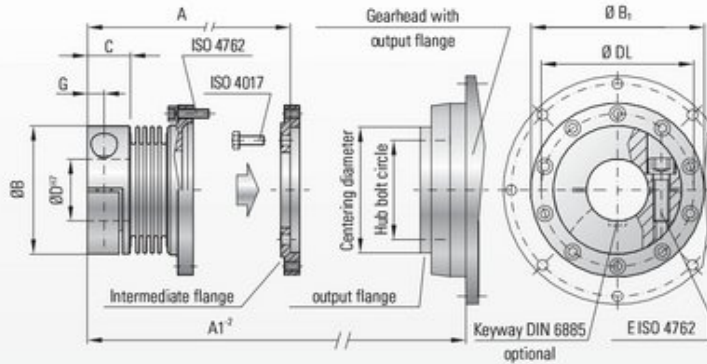
R+W[®]
COUPLING TECHNOLOGY

THE ULTIMATE COUPLING FROM 15 – 2,600 Nm

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MODEL BK 8

BACKLASH FREE BELLOWS COUPLING



Ordering example

BK8 / 15 / 24 / 40 / XX

Model
Series
Bore Ø D1 H7
Flange centering diameter
non Standard eg. stainless steel

Model BK 8	Series				
	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 8x M5	50 8x M6	63 12x M6	80 12x M8	125 12x M10
Max. torque* (Nm)	50	210	380	750	2600
Length -2 (mm)	A	48,5	67	72	90
Length -2 (mm)	A ₁	68	97	101	128
Outer diameter (mm)	B	49	66	82	110
Flange diameter (mm)	B ₁	63,5	86	108	132
Fit length (mm)	C	16,5	23	27,5	34
Inner diameter possible from Ø to Ø H7 (mm)	D	12-28	14-35	19-42	24-60
Hub bolt circle (mm)	DL	56,5	76	97	120
Fastening threads (kg)	E	10 x M4	10 x M5	10 x M6	12 x M6
Fastening screws ISO 4762	E	1 x M5	1 x M8	1 x M10	1 x M12
Tightening torque (Nm)	E	8	45	80	120
Distance (mm)	G	6,5	9,5	11	13
Approx. weight (kg)	I	0,3	0,7	1	2,8
Moment of inertia (10 ⁻³ kgm ²)	J _{ges}	0,15	0,65	1,3	5,5
Lateral  (mm)	Max. value	0,15	0,15	0,15	0,18
Angular  (Grad)		1	1	1	1
Axial  (mm)		1	1,5	2	2,5

*max. torque transmittable for a short-term period on max. diameter.

Properties:

- zero backlash and high torsional rigidity
- easy assembly
- suited for space restricted installations
- compact design

Material:

The hubs are made of aluminium, series 300 and 1500 made of steel. Bellows are made of highly flexible, high-grade stainless steel. Intermediate flange made of steel (standard).

Design:

One side with a clamping hub and a single radial clamping screw ISO 4762. One side with a flange-connection and a separate intermediate flange.

Speed:

Up to 10,000 rpm.

Temperature range:

-30 to +120° C (3.6 F to 270)

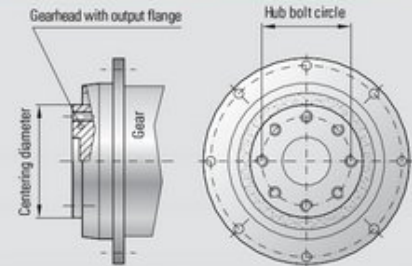
Fit tolerance:

On the hub/shaft connection 0.01 to 0.05 mm.

Non standard:

Custom designs with varied tolerances, keyways, non-standard material and bellows are available upon request.

Gearhead with output flange



The bolt circle will be drilled acc. to the gear head

Mounting and dismounting

