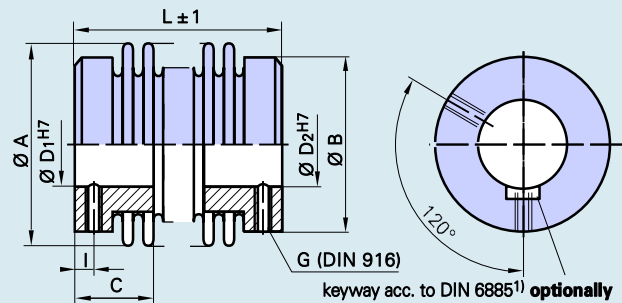


Backlash-free Metal Bellow Coupling Series EK miniature



Technical data series EK

Type		1	4	9	15	20	45	100
Nominal torque (Nm) T_{KN}		0,1	0,4	0,9	1,5	2	4,5	10
Misalignment (mm)	radial ΔK_r	0,12	0,1 / 0,15 / 0,2	0,1 / 0,15 / 0,2	0,1 / 0,15	0,1 / 0,2 / 0,25	0,1 / 0,2	0,15 / 0,25
	axial ΔK_a	0,2	0,2 / 0,3 / 0,4	0,2 / 0,3 / 0,4	0,25 / 0,4	0,3 / 0,4 / 0,5	0,3 / 0,5	0,4 / 0,5
	angular ΔK_w (degree)	1,2-2	1,2-2	1,2-2	1,2-2	1,2-2	1,2-2	1,2-2
Torsional stiffness (Nm/rad) C_{Tdyn}		65	250/190/150	500/380/300	750 / 700	1500/1300/1000	6500 / 4000	8100 / 6700
Moment of inertia (g cm ²) J		0,7	2,0	2,0/2,3 / 2,6	7,5 / 8	14 / 16 / 17	68 / 73	200 / 220
Tightening torque of the retaining screws (Ncm) MA		50	50	50	150	150	300	300
Weight (g) m		5	6	6 / 7 / 8	17 / 19	22 / 24 / 26	54 / 58	104 / 114

Dimensions series EK

Type		1	4	9	15	20	45	100
Ø A (mm) max.		10	15	15	19	24	32	40
Ø B (mm)		10	13	13	19	21	29	36
C (mm)		6	6	6	12	12	16	20
L (mm) ± 1		22	20 / 23 / 26	21 / 25 / 28	25 / 30	23 / 29 / 33	39 / 48	44 / 54
D ₁ /D ₂ (mm)	H7 min. - max.	1-4	3-8	3-8	3-10	3-12	6-15	6-19
G (DIN 916)		M3	M3	M3	2xM4	2xM4	2xM6	2xM6
I (mm)		2	2	2	3	3	4	4

Hub bores Standard quality of fitting H7
Custom bores on request

Standard bores
 EK 1 Ø 3H7
 EK 4-15 Ø 6H7
 EK 20 Ø 6H7 and 10H7
 EK 45-100 Ø 10H7

Materials Hubs made of aluminium
 Metal bellow made of stainless steel
 Stainless steel version also available

Rotational speed 15.000 min⁻¹

1) Tolerance of keyway; standard JS9

Ordering data

EK 20/23 - 6,35H7 - 10H7 - xxx

Type	length
Bore diameter D ₁	
Bore diameter D ₂	
Further details e.g. material, keyway	

GERWAH