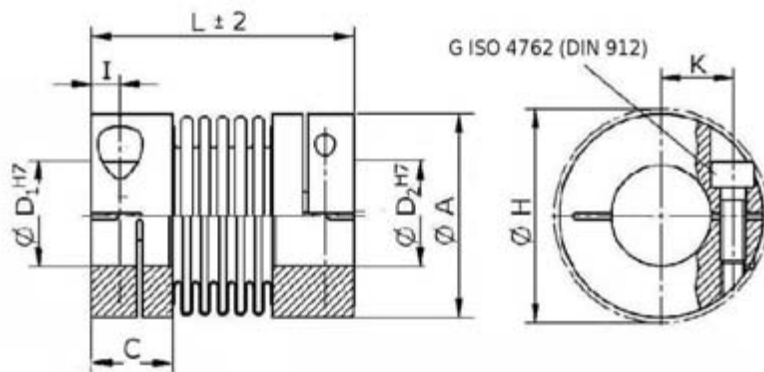


Backlash-free metal bellow coupling

Series DKN miniature



Technical data

Type			4			9			15		20			45		100	
Nominal torque	(Nm)	T _{KN}	0,4			0,9			1,5		2			4,5		10	
Torsional stiffness	(10 ³ Nm/rad)	C _{Y dyn}	250	190	150	500	380	300	750	700	1500	1300	1000	6500	4000	8100	6700
Max. approved misalignment	(mm)	radial ΔK _r	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
	(mm)	axial ΔK _a	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
	(degree)	angular ΔK _w	1,2	2	2	1,2	2	2	1,2	2	1,2	2	2	1,2	2	1,2	2
Moment of inertia	(g cm ²)	J	2,6			2,6	2,9	3,2	11	12	25	27	28	98	103	231	250
Tightening torque of the retaining screws	(Nm)	M _A	0,3			0,3			0,8		1			3		3	
Weight	(g)	m	9			9	10	11	22	24	36	38	40	74	78	120	130
Max. rotating speed at V = 30 m/s	(min ⁻¹)	n _{max}	15000			15000			15000		15000			15000		15000	

Dimensions

Type		4			9			15			20			45		100	
L	(mm) ± 1	21	24	28	23	26	30	26	30	32	38	42	41	50	47	57	
Ø A	(mm)	16			16			20			25			33		40	
Ø H	(mm) max.	18			18			21			27			34		42	
Ø D1 / D2	min. (mm H7)	3			3			3			3			6		6	
	max. (mm H7)	7			7			10			12			16		19	
C	(mm)	7			7			9			11			13		14	
G	(ISO 4762/DIN 912) 8.8	M2			M2			M2,5			M3			M4		M4	
K	(mm)	5			5			7			9			12		16	
I	(mm)	2			2			3			4			5		5	

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Technical specifications subject to change without notice.

Hub bores: Standard quality of fitting H7
Standard quality of keyway JS9

Standard bores: DKN 4-15 Ø 6H7
DKN 20 Ø 6H7 and 10H7
DKN 45-100 Ø 10H7

Materials: Hubs made of aluminium
Metal bellow made of stainless steel

Customized version: Stainless steel version on request
Keyway acc. to DIN 6885

Ordering data:

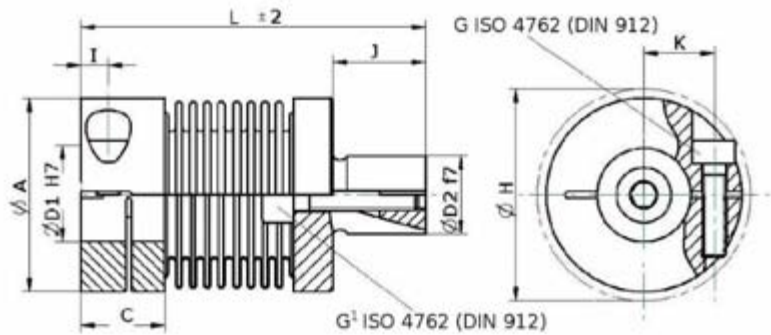
DKN 20/42 - 6,35H7 - 10H7 - XX

Type
Length (L)
Ø D1
Ø D2
Further details
e.g. keyway, material

GERWAH®

Backlash-free metal bellow coupling

Series DKN/S



Technical data

Type		4	9	15	20	45	100
Nominal torque (Nm) T_{KN}		0,4	0,9	1,5	2	4,5	10
Torsional stiffness (10^3 Nm/rad) $C_{Y dyn}$		250 190 150	500 380 300	750 700 1500	1300 1000	6500 4000	8100 6700
Max. approved misalignment	(mm) radial ΔK_r	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
	(mm) axial ΔK_a	0,2 0,3 0,4	0,2 0,3 0,4	0,25 0,4	0,3 0,4	0,3 0,5	0,4 0,5
	(degree) angular ΔK_w	1,2 2 2	1,2 2 2	1,2 2 1,2	2 2	1,2 2	1,2 2
Moment of inertia ($g\ cm^2$) J		3	3	11 12	21 23 25	80 86	229 256
Tightening torque of the retaining screws (Nm) M_A		0,3	0,3	0,8	1	3	3
Weight (g) m		11	12 13 13	24 25	38 41 42	83 89	130 147
Max. rotating speed at $V = 30\ m/s$ (min^{-1}) n_{max}		15000	15000	15000	15000	15000	15000

Dimensions

Type		4	9	15	20	45	100
L (mm) ± 1		29 31 35	30 33 37	37 41 41	47 51	52 61 61	71
J (mm)		8	8	12	12	16	20
$\varnothing A$ (mm)		16	16	20	25	33	40
$\varnothing H$ (mm) max.		18	18	21	27	34	42
$\varnothing D1$ hub: min.-max. (mm H7)		3-7	3-7	3-10	3-12	6-16	6-19
$\varnothing D2$ clamp: (mm f7)		8	8	10	10	14	16
C (mm)		7	7	9	11	13	14
G (ISO 4762/DIN 912) 8.8		M2	M2	M2,5	M3	M4	M4
G1 (ISO 4762/DIN 912) 8.8		M3	M3	M4	M4	M5	M6
K (mm)		5	5	7	9	12	16
I (mm)		2	2	3	4	5	5

Moment of inertia and weight (mass) are calculated with reference to the largest bore size.

Technical specifications subject to change without notice.

Hub bores:	Standard quality of fitting H7
Clamp fitting:	Standard quality of fitting f7
	Standard quality of keyway JS9

Standard bores:	DKN/S 4-15	\varnothing 6H7
	DKN/S 20	\varnothing 6H7 and 10H7
	DKN/S 45-100	\varnothing 10H7

Materials:	Hubs made of aluminium
	Metal bellow made of stainless steel

Customized version:	Stainless steel version on request
	Keyway acc. to DIN 6885

Ordering data:

DKN/S 20/41 - 10H7 - XX

Type
Length (L)
 $\varnothing D1$
Further details
e.g. keyway, material

GERWAH®