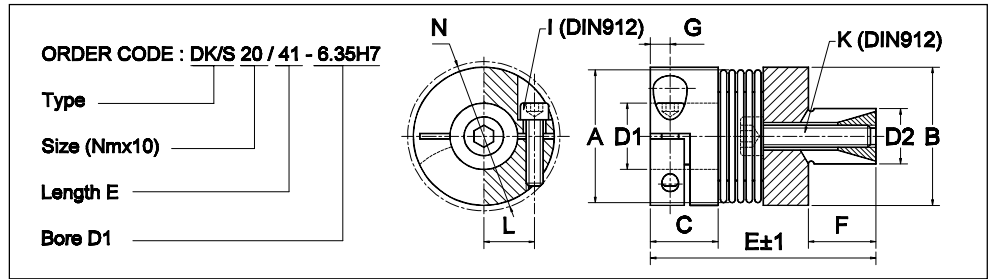


DK/S SERIES

MINIATURE METAL BELLOWS COUPLING WITH EXPANDING CLAMP



DIMENSIONS: (mm)

Type DK/S	A	B	C	D1 (H7)	D2 (f7)	E (+/- 1)	F	G	I DIN 912	K DIN 912	L	N
DK/S 4/29	15	15.5	9	3 - 6.5	8	29	8	2.4	M 2	M 3	5.6	17.5
DK/S 4/35	15	15.5	9	3 - 6.5	8	35	8	2.4	M 2	M 3	5.6	17.5
DK/S 9/30	15	15.5	9	3 - 6.5	8	30	8	2.4	M 2	M 3	5.6	17.5
DK/S 9/37	15	15.5	9	3 - 6.5	8	37	8	2.4	M 2	M 3	5.6	17.5
DK/S 15/37	19	20	12	3 - 10	10	37	12	3	M 2.5	M 4	7	21
DK/S 15/41	19	20	12	3 - 10	10	41	12	3	M 2.5	M 4	7	21
DK/S 20/41	24	25	13	3 - 12.7	10	41	12	3.5	M 3	M 4	9	27
DK/S 20/51	24	25	13	3 - 12.7	10	51	12	3.5	M 3	M 4	9	27
DK/S 45/52	32	32	16	6 - 16	14	52	16	4.5	M 4	M 5	11.5	34
DK/S 45/61	32	32	16	6 - 16	14	61	16	4.5	M 4	M 5	11.5	34
DK/S 100/61	40	40	16	6 - 22	16	61	20	5	M 4	M 6	15.5	41.5
DK/S 100/71	40	40	16	6 - 22	16	71	20	5	M 4	M 6	15.5	41.5

STANDARD BORE SIZES: 3mm, 6mm, 8mm, 10mm, 12mm, 14mm, 16mm, 1/4", 3/8", 1/2", 5/8", 3/4".

Keyways according to standard DIN 6885 or American on request.

1) Hubs made of Al 6061 T6, in steel on request.

2) Transmission of the coupling's rated torque is only guaranteed for bore sizes with the recommended range with standard H7 bore tolerances unless otherwise specified <Dmin. Types with borings <Dmin can, however, be supplied by the manufacturer. All hub borings are supplied to fit standard H7 according to the customer's data.

3) Clearance of Keyway, Standard JS 9.

TECHNICAL RATINGS

Type DK/S	Rated Torque (Nm)	Torsional Stiffness (Nm/rad)	Spring Stiffness (N/mm)		Misalignment (mm)		Misalignment Angular (degrees°)	Moment of Inertia J (gcm ²)	Torque to tighten clamps I M _A = (Nm)	Mass m (g)
			Lateral	Axial	Lateral	Axial				
DK/S 4/29	0.4	254	43	13	0.1	0.2	1.2	3	0.3	13
DK/S 4/35	0.4	152	9	8	0.2	0.4	2.0	3	0.3	14
DK/S 9/30	0.9	507	74	27	0.1	0.2	1.2	3	0.3	14
DK/S 9/37	0.9	305	16	16	0.2	0.4	2.0	3	0.3	15
DK/S 15/37	1.5	748	59	15	0.1	0.25	1.2	11	0.8	25
DK/S 15/41	1.5	701	20	9	0.15	0.4	2.0	12	0.8	27
DK/S 20/41	2	1530	67	12	0.1	0.3	1.2	20	1.0	40
DK/S 20/51	2	1030	11	9	0.25	0.5	2.0	25	1.0	44
DK/S 45/52	4.5	6450	168	32	0.1	0.3	1.2	80	3.0	88
DK/S 45/61	4.5	4030	41	20	0.2	0.5	2.0	86	3.0	94
DK/S 100/61	10	8070	120	27	0.15	0.4	1.2	224	3.0	132
DK/S 100/71	10	6720	24	17	0.25	0.5	2.0	256	3.0	150

The dimensioning of the couplings is always based on the peak torque (Mmax) which is to be transmitted regularly by the drive motors.

For the basis of the calculation of the coupling's rated torque, see ordering data.

The couplings, under no circumstances, should be submitted to a torque greater than 2.5 times the rated torque.

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