



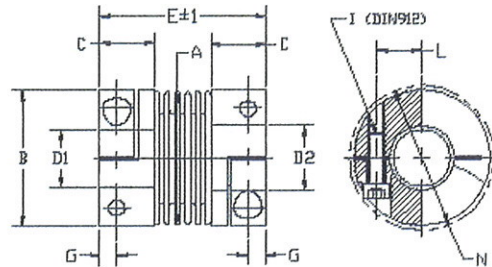
DKN SERIES

MINIATURE METAL BELLOWS COUPLING WITH COLLET CLAMP



ORDER CODE:
DKN 100/47-10H7-20H7

TYPE ————
LENGTH E ————
BORE D1 ————
BORE D2 ————



DIMENSIONS: (mm)

Type DKN	A	B	C	D1 - D2 ²⁾		E	G	I DIN 912	L	N
				Min H7	Max H7					
DKN4/21	15	15.5	7.0	3 - 6.5	21	2.4	M 2	5.6	17.5	
DKN9/23	15	15.5	7.0	3 - 6.5	26	2.4	M 2	5.6	17.5	
DKN15/26	19	20.0	9.0	3 - 10	26	3.0	M 2.5	7.0	21.0	
DKN20/32	24	25.0	12.0	3 - 12.7	32	3.5	M 3	9.0	27.0	
DKN20/42	24	25.0	12.0	3 - 12.7	42	3.5	M 3	9.0	27.0	
DKN45/41	32	32.5	14.0	6 - 16	41	4.5	M 4	11.5	34.0	
DKN100/47	40	40.5	14.5	6 - 22	47	5.0	M 4	15.5	41.5	

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

- 1) Hubs made of AL 6061 T6, available in steel on request.
- 2) Transmission of the coupling's nominal torque (M) is only guaranteed for bore sizes with the recommended range standard H7 bore tolerances unless otherwise specified. Other special bores can, however, be supplied by the manufacturer. All hub bores are supplied to fit standard H7 according to the customer's data.
- 3) Clearance of Keyway, Standard JS 9.

TECHNICAL RATINGS:

Type DKN	Rated Torque (M) (Nm)	Torsional Stiffness (Nm/rad)	Spring Stiffness (N/mm)		Misalignment (mm) (+/-)		Misalignment Moment (degrees °) (+/-)		Torque to Tighten Clamps (Nm)	Mass m (g)
			Lateral	Axial	Lateral	Axial	Angular	J (gcm ²)		
DKN4/21	0.4	254	43	13	0.10	0.20	1.2	2.6	0.3	9
DKN9/23	0.9	380	16	16	0.15	0.30	2.0	2.9	0.3	10
DKN15/26	1.5	748	59	15	0.10	0.25	1.2	11	0.8	22
DKN20/32	2.0	1530	67	12	0.10	0.30	1.2	25	1.0	36
DKN20/42	2.0	1030	11	9	0.25	0.50	2.0	28	1.0	40
DKN45/41	4.5	6450	168	32	0.10	0.30	1.2	98	3.0	74
DKN100/47	10.0	8070	120	27	0.15	0.40	1.2	231	3.0	120

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

For 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.