

Item description/product images


Description
Material:

Coupling hubs stainless steel 1.4305.

Metal bellows stainless steel 1.4541 (welded).

Clamping screws stainless steel A2-70.

Note:

The radial clamping hub allows for a considerably shorter assembly time and greatly eases mounting even in difficult to access spaces.

The required torque for the screws must be adhered to.

Assembly:

The fit shaft to bore should be a transition fit.

The clearance should be min. 0.01 mm and max. 0.03 mm i.e.

Shaft $\varnothing 16$ j6

Bore $\varnothing 16$ H7

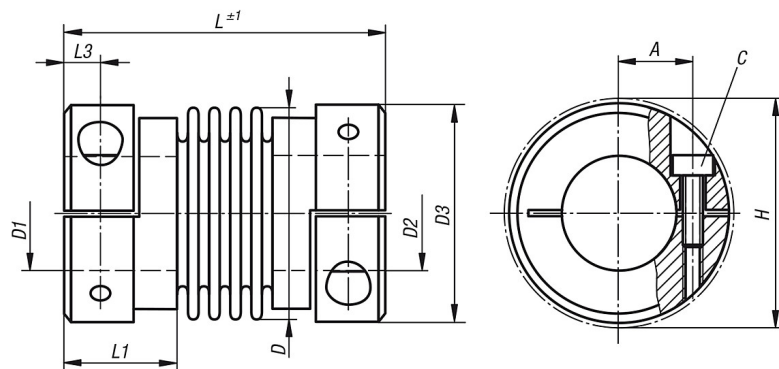
Diameters smaller than Dmin are possible, however, a sure transfer of the coupling torque is no longer guaranteed.

As the bellows are made of very thin stainless steel sheet, great care should be taken during assembly and dismantling. Damage to the bellows could make the coupling unusable.

On request:

List required hub bore D1 and D2 with limits or fits separately.

Drawings


Overview of items

Order No.	Size	D1/D2 predrilled	D1/D2 max.	L	L1	L3	D	D3	A	H	C (DIN 912)	Tightening torque max. Nm
70-6-1	1	3	6,5	32	7	2,4	15	15,5	5,6	17,5	M2	-
70-6-2	2	3	6,5	35	7	2,4	15	15,5	5,6	17,5	M2	-
70-6-3	3	3	10	37	9	3	19	20	7	21	M2,5	-
70-6-4	4	3	12	47	12	3,5	24	25	9	27	M3	-
70-6-5	5	6	16	55	14	4,5	32	32	11,5	34	M4	2
70-6-6	6	6	19	64	14,5	5	40	40	15,5	41,5	M4	2

Overview of items

Order No.	Size	Nominal torque Nm	Inertia torque (10 kgm ²)	Torsion spring stiffness (Nm/rad)	Max. axial shaft displacement ±	Max. lateral shaft displacement	Max. angular shaft displacement	max. speed U/min
70-6-1	1	0,4	0,75	152	0,4	0,2	2°	5.000
70-6-2	2	0,9	0,93	305	0,4	0,2	2°	5.000
70-6-3	3	1,5	3,48	701	0,4	0,15	2°	5.000
70-6-4	4	2	8,12	1.030	0,5	0,25	2°	5.000
70-6-5	5	4,5	29,87	4.030	0,5	0,2	2°	5.000
70-6-6	6	10	72,5	6.720	0,5	0,25	2°	5.000