70-4
Zero backlash elastomer couplings

NovoNox
Inox Components

Item description/product images

Description

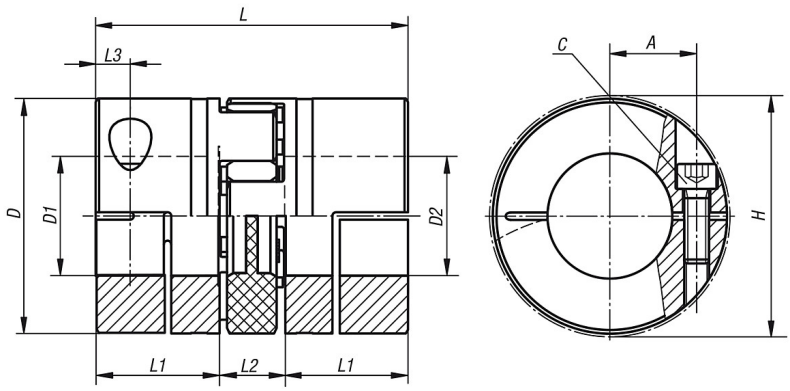
Material:
Coupling hub stainless steel 1.4305.
Coupling spider polyurethane Shore 98-A.
Clamping screws stainless steel A2-70.

Note:
The radial clamping hub allows for a considerably shorter assembly time.
The coupling can be mounted completely assembled or in unassembled condition.
A light oil film on the insert minimizes the assembly force required.
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 Ø28 j6
Bore Ø28 H7
Diameters smaller than Dmin are possible, however, a sure transfer of the coupling torque is no longer guaranteed.

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	L2	L3	D	A	H	C (DIN 912)	Tightening torque max. Nm
70-4-1	1	10	14	35	11	13	5	30	10,5	34	M4	2,0
70-4-2	2	10	20	66	25	16	6	40	15	45	M5	3,7
70-4-3	3	20	28	78	30	18	10	55	20	57	M6	6,4
70-4-4	4	24	35	90	35	20	11	65	24	70	M8	15,3
70-4-5	5	32	44	114	45	24	13	80	30	89	M10	31

Order No.	Size	Nominal torque Nm	Moment of inertia (10 kgm²)	Static torsion spring torque (Nm/rad)	Max. axial shaft displacement ±	Max. lateral shaft displacement	Max. angular shaft displacement	Radial spring stiffness N/mm	max. speed U/min
70-4-1	1	12,5	0,017	172	+1/-0,5	0,09	0,9°	654	13.000
70-4-2	2	17	0,104	860	+1,2/-0,5	0,06	0,9°	2.010	10.000
70-4-3	3	60	0,435	2.060	+1,4/-0,5	0,10	0,9°	2.560	7.000

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Order No.	Size	Nominal torque Nm	Moment of inertia (10 kgm²)	Static torsion spring torque (Nm/rad)	Max. axial shaft displacement ±	Max. lateral shaft displacement	Max. angular shaft displacement	Radial spring stiffness N/mm	max. speed U/min
70-4-4	4	160	0,957	3.440	+1,5/-0,7	0,11	0,9°	3.200	6.000
70-4-5	5	325	3,016	7.160	+1,8/-0,7	0,12	0,9°	4.400	5.000