

Spring bar coupling devices

with radial clamping hub, stainless steel



Material, surface finish:

Stainless steel 1.4305, natural finish

Sample order:

n1m 23010-2016,

D1 = 2,5

D2 = 2,5

(The hubs are supplied predrilled).

Note:

Play-free, torsion-proof, resiliently flexible and maintenance-free all-metal coupling device for transmission of angle-synchronous rotary movements. The innovative slit structure makes possible a very good axial, radial and angular flexibility in the case of low reset forces. Best suited for servomotors.

Temperature range:

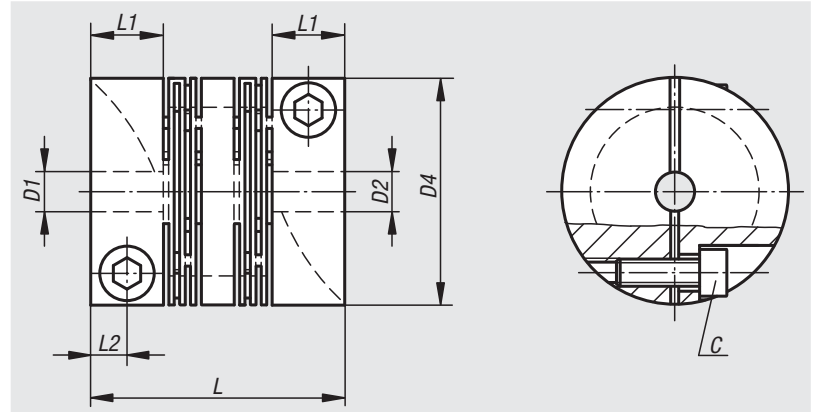
-50 °C up to +150 °C.

Assembly:

Recommended shaft tolerances h7.

On request:

Desired hub holes D1 and D2 separately with tolerance class or tolerance zone.



Order No.	Size	Nominal torque Nm	Moment of inertia (10 ⁻³ kgm ²)	Torsion resistance Nm/arcmin	Max. axial shaft displacement ±	Max. lateral shaft displacement	Max. angular shaft displacement	Axial spring stiffness N/mm	Lateral spring stiffness N/mm	Revolutions per minute max.
23010-2016	16	6	0,0025	0,23	0,3	0,2	1°	325	940	10000
23010-2018	18	6	0,001	0,2	0,3	0,2	1°	98	435	10000
23010-2020	20	12	0,0032	0,23	0,3	0,2	1°	435	508	9500
23010-2022	22	6	0,0024	0,9	0,3	0,2	1°	136	450	9500
23010-2025	25	16	0,00784	1,45	0,3	0,2	1°	285	927	8000
23010-2030	30	25	0,022	2,47	0,4	0,3	1°	400	903	6000
23010-2040	40	36	0,09	5,82	0,4	0,3	1°	660	1229	5000
23010-2050	50	73	0,254	16	0,5	0,3	1°	950	1619	5000

Order No.	D1/D2 predrilled	D1/D2 min.	D1/D2 max.	D4	L	L1	L2	C (DIN 912-12.9)	Tightening torque of screws (Nm)	Approx. weight kg
23010-2016	2,5	3	6	16	23	7	3,5	M2,5x6	1	0,028
23010-2018	2,5	3	6	18	16,6	5,5	2,75	M2,5x8	1	0,018
23010-2020	2,5	3	8	20	28	8	4	M2,5x8	1	0,045
23010-2022	2,5	3	10	22	20	5,5	2,75	M2,5x8	1	0,040
23010-2025	3,5	6	12	25	28	8	4	M3x10	2	0,075
23010-2030	5,5	6	14	30	40	11	5,5	M4x10	4	0,160
23010-2040	5,5	6	18	40	48	11	5,5	M5x14	9	0,340
23010-2050	9,5	10	26	50	65	19	9,5	M6x16	14	0,650