

Elastomer dog couplings

clamping with grub screw



Material, surface finish:

Elastomer spider in polyurethane, shore hardness 98-A. Hub in aluminium, natural finish

Sample order:

nIm 23023-0020,

D1 = 3

D2 = 3

(The hubs are supplied predrilled).

Note:

The clamping of the hub by means of a grub screw is a cost-effective alternative for the elastomer dog couplings with radial clamping hub (23022). Short assembly times due to the clamping hub with grub screws.

The couplings can be mounted in complete assembled condition resp. a plug-in assembly is also possible. The assembly force can be minimised by slight oiling of the spider. The necessary tightening torque of the grub screw must be noted. For easy disassembling we recommend to fit out the shaft with a face surface.

Assembly:

The seat shaft / hub is to be selected as transitional seat. Admissible seat clearance shaft / hub: min. 0.01 mm; max. 0.04 mm.

E.g. shaft: \emptyset 6 f7

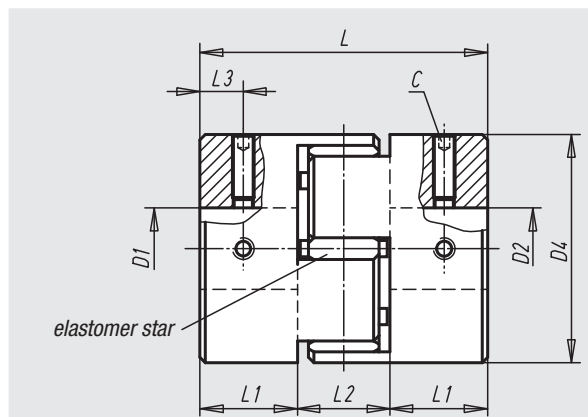
hub: \emptyset 6 H8.

Hub boreholes which are smaller than D min. are possible; but an optimal transfer of the nominal torque of the coupling can not be guaranteed in this case.

On request:

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

miniature



Order No.	Size	Nominal torque Nm	Moment of inertia (10^{-3} kgm ²)	Static resistance to torsion Nm/arcmin	Max. axial shaft displacement \pm	Max. lateral shaft displacement	Tightening torque of screws (Nm)	Approx. weight g
23023-0020	2	2	0,00021	0,007	0,6	0,1	0,7	7,0
23023-0050	5	5	0,001	0,016	0,8	0,1	0,7	18,0
23023-0125	12,5	12,5	0,0059	0,038	1	0,1	1,7	48,0

Order No.	D1/D2 predrilled	D1/D2 min.	D1/D2 max.	D4	L	L1	L2	L3	C (DIN 916)
23023-0020	3	3	6	14	22	7	8	3,5	M3
23023-0050	5	5	9,53	20	30	10	10	5	M3
23023-0125	8	8	14	30	35	11	13	5,5	M4