

Locking Assemblies COM-C, Stainless

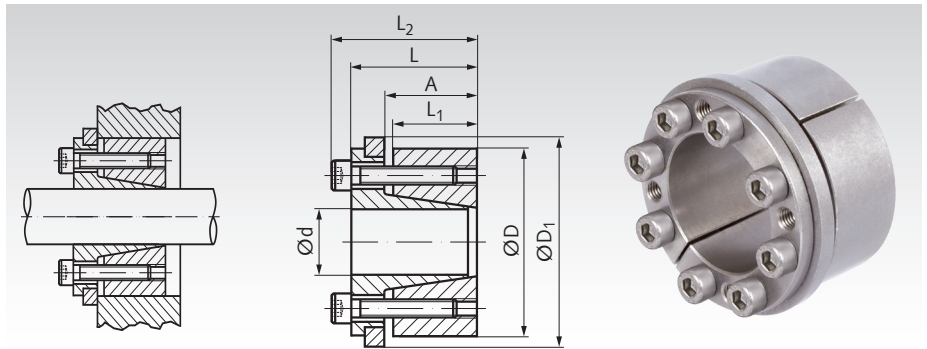
Material: Stainless steel 1.4401 (SS316).

- For fixing a hub (e.g. drive wheel, rotor or similar) on a shaft.
- For medium torques.
- Self-centering.
- No axial offset.

Concentricity: 0.02 to 0.04 mm.

Ordering Details: e.g.: Product No. 615 971 20, Locking Assembly COM-C, stainless, 20 mm

STAINLESS



Product No.	d mm	D mm	L ₁ mm	A mm	L mm	L ₂ mm	D ₁ mm	at T _A transmittable		Surface Pressure		Screws DIN 912 A2-70 Number x size	T _A Nm	Weight kg
								T Nm	F _{ax} kN	Shaft P _w N/mm ²	Hub P _N N/mm ²			
615 971 20	20	47	26	30	39	45	53	152	15	78	34	6 x M6 x 22	8	0,39
615 971 24	24	50	26	30	39	45	56	179	15	65	31	6 x M6 x 22	8	0,45
615 971 25	25	50	26	30	39	45	56	188	15	63	31	6 x M6 x 22	8	0,44
615 971 30	30	55	26	30	39	45	61	228	15	51	29	6 x M6 x 22	8	0,45
615 971 35	35	60	26	30	39	45	66	353	20	60	36	8 x M6 x 22	8	0,53
615 971 40	40	65	26	30	39	45	71	402	20	54	31	8 x M6 x 22	8	0,60
615 971 45	45	75	30	35	47	55	81	605	28	54	32	6 x M8 x 30	18	0,98
615 971 50	50	80	30	35	47	55	86	901	37	47	30	6 x M8 x 30	18	1,00
615 971 60	60	90	30	35	47	55	96	1081	37	53	36	8 x M8 x 30	18	1,20

More sizes up to d=180mm for 18,000Nm are available.

Price and delivery time on request.

T = transmittable torque at F_{ax} = 0.
 F_{ax} = transmittable axial force at T = 0.
 P_w = surface pressure onto the shaft.
 P_N = surface pressure onto the hub.
 T_A = fastening torque of the screws.

Hub Calculation and Selection Tool
 on the Internet at www.maedler.de
 in the section **MÄDLER®-Tools**

Fit

Shaft h8, Hub H8.
 Surface roughness hub/shaft R_z
 max. 12.5 µm.

Mounting

Slightly oil the locking assembly before mounting, do not use MoS2 or grease.
 Tighten the screws evenly and crosswise in several steps to the set torque.

Demounting

Remove all tensioning screws and screw them into the unused forcing threads of the front flange evenly and crosswise in several steps, until the flange is released.