

Clamping Bushes MSD-N

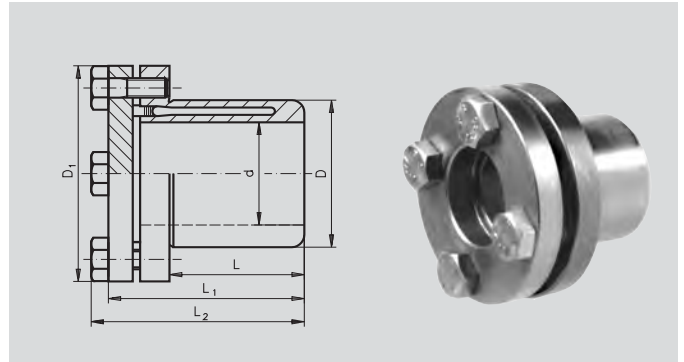
Material: Stainless steel 1.4021.

The MSD-N clamping bush is identical with the MSD bush, but is made from stainless steel. It has been used in many industries for years, as, e.g., the food, medical, automotive, chemical, printing and process engineering industries.

Concentricity 0.03 - 0.06 mm.

Tolerance: Shaft h9 (Ø 15 mm only h8), Hub H7.

Temperature range: -30 °C to 85 °C.



Ordering Details: e.g.: Product No. 615 993 15, Clamping Bush MSD-N, 15 mm

Product No.	Dimensions						Transmitt. Torque or Axial Load		Screws DIN 912, 12.9 Manz			Moment of Inertia J kgm ² · 10 ⁻³	Weight kg
	d mm	D mm	D ₁ mm	L mm	L ₁ mm	L ₂ mm	M _N Nm	F _a kN	Amount Pieces	Size	Manz Nm		
615 993 15	15	23	38	17	30	34	45	6	4	M 5	4.5	0.018	0.10
615 993 20	20	28	45	22	37	41	100	10	5	M 5	4.5	0.046	0.16
615 993 25	25	34	49	27	43	46	210	16.8	7	M 5	4.5	0.071	0.19
615 993 30	30	41	57	32	47	51	350	23.3	7	M 5	4.5	0.142	0.29
615 993 40	40	53	70	43	63	67	750	37.5	9	M 5	4.5	0.441	0.55
615 993 50	50	65	83	53	76	80	1550	62	9	M 6	7.8	1.045	0.86

M_N = transmittable torque at load of 0. If the screws are fastened with M_{anz}.

F_a = transmittable axial force at torque of 0. If the screws are fastened with M_{anz}.

M_{anz} = required fastening torque for the screws.

The dimensions refer to bushes before assembly.

Miniature Clamping Bushes MSM and MSM-N

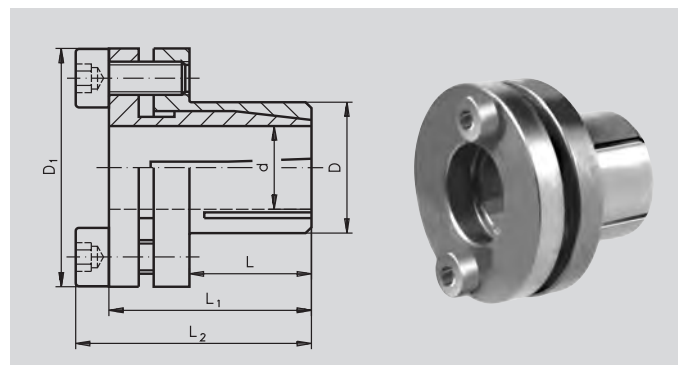
Material: Version MSM: mild steel.

Material: Version MSM-N: stainless steel 1.4305.



Concentricity: about 0.02 mm.

Tolerance: Shaft k6-h10, Hub H8.



Ordering Details: e.g.: Product No. 615 206 00, Miniature Clamping Bush MSM, 6 mm

Product No.	Dimensions						Transmitt. Torque or Axial Load		Screws DIN 912, 12.9 Manz			Moment of Inertia J kgm ² · 10 ⁻³	Weight kg
	d mm	D mm	D ₁ mm	L mm	L ₁ mm	L ₂ mm	M _N Nm	F _a kN	Amount Pieces	Size	Manz Nm		
615 206 00	6	14	25	10	19	22	5	1.7	2	M 3	2	2.1	0.03
615 208 00	8	15	27	12	21.5	25.5	17	4.4	2	M 4	4	3.3	0.04
615 209 00	9	16	28	14	24	28	20	4.4	2	M 4	4	4.4	0.05
615 210 00	10	16	28	14	24	28	23	4.4	2	M 4	4	4.3	0.05
615 212 00	12	18	30	14	25.5	29.5	27	4.4	2	M 4	4	6.1	0.06
615 214 00	14	22	35	15	27.5	31.5	48	6.5	3	M 4	4	13.2	0.08
Stainless												Screws DIN 912, A4	
615 992 06	6	14	25	10	19	22	5	1.7	3	M 3	1.2	2.1	0.03
615 992 08	8	15	27	12	21.5	25.5	17	4.4	3	M 4	2.7	3.3	0.04
615 992 10	10	16	28	14	24	28	23	4.4	3	M 4	2.7	4.3	0.05
615 992 12	12	18	30	14	25.5	29.5	27	4.4	3	M 4	2.7	6.1	0.06
615 992 14	14	22	35	15	27.5	31.5	48	6.5	4	M 4	2.7	13.2	0.08

M_N = transmittable torque at load of 0. If the screws are fastened with M_{anz}.

F_a = transmittable axial force at torque of 0. If the screws are fastened with M_{anz}.

M_{anz} = required fastening torque for the screws.

The dimensions refer to bushes before assembly.

Mounting

The bush is mounted quickly. Just place the bush inside the hub and push both onto the shaft. Fasten with Allen key.

Demounting

Remove tensioning screws. Put screws in forcing thread and fasten them until the bush is pressed off.