

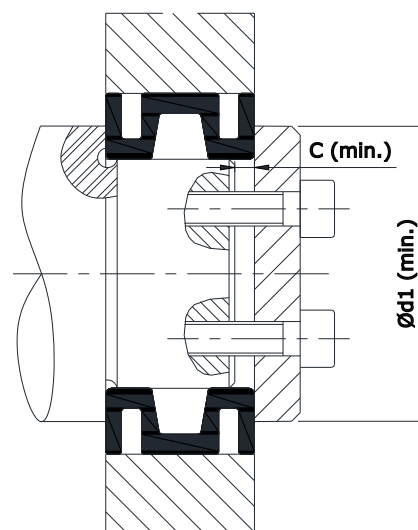
Clamping Sleeve - Model N5013



◆ Features :

- Single Piece Design
- High Degree of Precision
- Homogenous Clamping on Shaft & Hub
- Higher Concentricity
- Self-Centering
- Slight Axial Displacement
- Compact Design
- Designed for External Clamping Initiation from Shaft
- Easy Installation & Removal
- Torque Transmission Capacity: Medium

◆ Mounting Example:



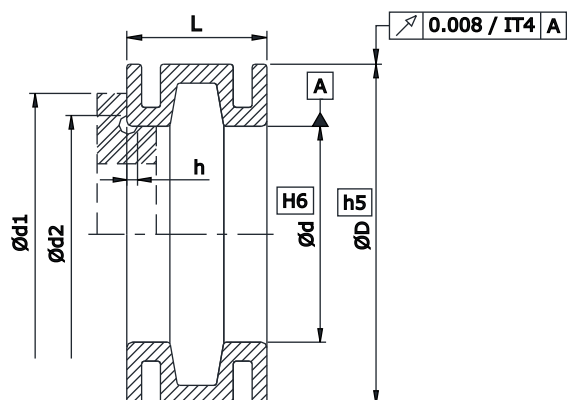
◆ Tolerance & Surface finish:

- A good Surface finish by Machine tool is sufficient. Maximum allowable Surface finish $R_a \leq 3.2\mu\text{m}$
- Maximum Permissible Tolerance for Shaft is h5/h6 & for Hub bore is H6/H7.
- The Concentricity of Hub bore / Outer diameter of Clamping Sleeve must be: 0.008 mm (< 80mm) & IT4 (> 80 mm)

◆ Special Note for Automatic mode of Operation:

- In Automatic mode of operation, system's actual values because of different parameters.
- So, in this condition, we recommend to verify required Force or Torque & to prevent from Fatigue failure, We recommend Clamping Force = $0.75 \times F_{\text{max}}$.

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d x D mm	L mm	d1 (min.) mm	d2 (max.) mm	h (max.) mm	Transmissible Torque Nm (Mt)	Axial Thrust N (Pax)	Initiation of Clamping Force N (Fmax)	C (min.) mm	Weight kg
8 x 12	12	11	9.2	1.5	7	1724	10000	0.3	0.003
10 x 15	12	14	11.2	1.5	11	2167	11000	0.4	0.005
12 x 18	12	17	13.2	1.5	18	2906	11800	0.4	0.007
14 x 20	12	19	15.2	1.5	25	3566	13400	0.5	0.008
15 x 22	12	21	16.2	1.5	29	3782	13700	0.5	0.010
16 x 22	12	21	17.2	1.5	34	4255	14900	0.5	0.009
18 x 25	12	24	19.2	1.5	43	4856	15900	0.6	0.012
20 x 32	16	28	22	1.7	81	8116	20600	0.6	0.029
22 x 35	16	30	24	1.7	94	8550	21700	0.6	0.035
25 x 37	16	33	27	1.7	126	10136	24500	0.7	0.035
28 x 40	16	36	30	1.7	160	11396	26900	0.7	0.039
30 x 42	16	38	32	1.7	184	12263	28300	0.7	0.041
32 x 48	21	40	34	2.2	255	15957	32400	0.8	0.076
35 x 52	21	44	37	2.2	302	17277	34400	0.8	0.088
40 x 56	21	49	42	2.2	398	19927	38900	0.8	0.091
45 x 68	26	55	48	3	545	24221	44700	0.8	0.183
50 x 72	26	60	53	3	669	26762	49400	0.8	0.187
55 x 80	31	65	58	3	890	32379	59000	1.0	0.187
60 x 85	31	70	63	3	1060	35358	63300	1.0	0.279
63 x 88	31	73	66	3	1181	37514	66000	1.0	0.290
65 x 90	31	75	68	3	1272	39141	67700	1.0	0.298
70 x 100	38	82	74	4	1648	47109	78800	1.0	0.482
75 x 105	38	87	79	4	1869	49853	83400	1.0	0.510
80 x 110	38	92	84	4	2141	53528	88100	1.1	0.538
85 x 115	38	97	89	4	2393	56321	92700	1.1	0.566
90 x 120	38	102	94	4	2743	60956	97200	1.1	0.594
95 x 125	38	107	99	4	3076	64778	101800	1.2	0.623
100 x 130	38	112	104	4	3391	67816	106500	1.3	0.651
110 x 140	38	122	114	4	4053	73696	115700	1.4	0.707
120 x 150	38	132	124	4	4851	80850	125000	1.4	0.764
125 x 155	38	137	129	4	5236	83790	129600	1.4	0.792
130 x 160	38	142	134	4	5644	86828	134300	1.5	0.820
140 x 170	38	152	144	4	6592	94178	143500	1.5	0.876
150 x 180	38	162	154	4	7519	100254	152800	1.5	0.933

Dimensions/Design subject to modifications without any prior intimation.

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