

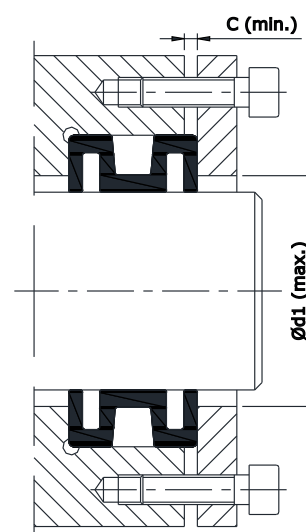
Clamping Sleeve - Model N5013.1



◆ 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 Hub
- Easy Installation & Removal
- Torque Transmission Capacity: Medium

◆ Mounting Example:



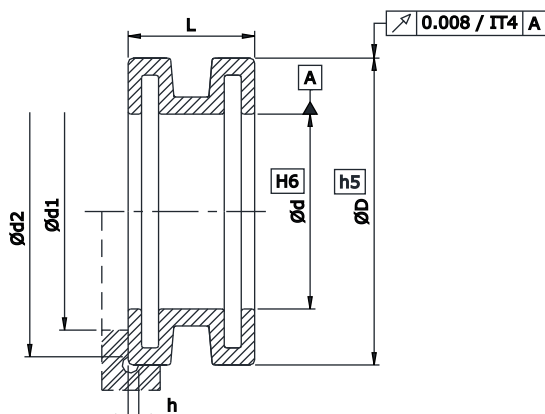
◆ Tolerance & Surface finish:

- 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 (max.) mm	d2 (min.) 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	9	10.8	1.5	7	1724	10000	0.3	0.003
10 x 15	12	11	13.8	1.5	11	2167	11000	0.4	0.005
12 x 18	12	13	16.8	1.5	18	2906	11800	0.4	0.007
14 x 20	12	15	18.8	1.5	25	3566	13400	0.5	0.008
15 x 22	12	16	20.8	1.5	29	3782	13700	0.5	0.010
16 x 22	12	17	20.8	1.5	34	4255	14900	0.5	0.009
18 x 25	12	19	23.8	1.5	43	4856	15900	0.6	0.012
20 x 32	16	24	30	1.7	81	8116	20600	0.6	0.029
22 x 35	16	27	33	1.7	94	8550	21700	0.6	0.034
25 x 37	16	29	35	1.7	126	10136	24500	0.7	0.035
28 x 40	16	32	38	1.7	160	11396	26900	0.7	0.038
30 x 42	16	34	40	1.7	184	12263	28300	0.7	0.040
32 x 48	21	40	46	2.2	255	15957	32400	0.8	0.075
35 x 52	21	43	50	2.2	302	17277	34400	0.8	0.086
40 x 56	21	48	54	2.2	398	19927	38900	0.8	0.090
45 x 68	26	58	65	3	545	24221	44700	0.8	0.179
50 x 72	26	62	69	3	669	26762	49400	0.8	0.185
55 x 80	31	70	77	3	890	32379	59000	1.0	0.256
60 x 85	31	75	82	3	1060	35358	63300	1.0	0.276
63 x 88	31	78	85	3	1181	37514	66000	1.0	0.287
65 x 90	31	80	87	3	1272	39141	67700	1.0	0.295
70 x 100	38	88	96	4	1648	47109	78800	1.0	0.477
75 x 105	38	93	101	4	1869	49853	83400	1.0	0.505
80 x 110	38	98	106	4	2141	53528	88100	1.1	0.533
85 x 115	38	103	111	4	2393	56321	92700	1.1	0.562
90 x 120	38	108	116	4	2743	60956	97200	1.1	0.590
95 x 125	38	113	121	4	3076	64778	101800	1.2	0.618
100 x 130	38	118	126	4	3391	67816	106500	1.3	0.646
110 x 140	38	128	136	4	4053	73696	115700	1.4	0.703
120 x 150	38	138	146	4	4851	80850	125000	1.4	0.759
125 x 155	38	143	151	4	5236	83790	129600	1.4	0.787
130 x 160	38	148	156	4	5644	86828	134300	1.5	0.815
140 x 170	38	158	166	4	6592	94178	143500	1.5	0.872
150 x 180	38	168	176	4	7519	100254	152800	1.5	0.928

Dimensions/Design subject to modifications without any prior intimation.

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