

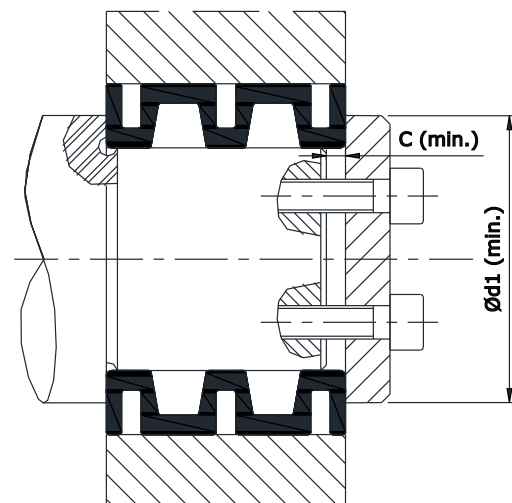
Clamping Sleeve - Model N5014



◆ 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: High

◆ Mounting Example:

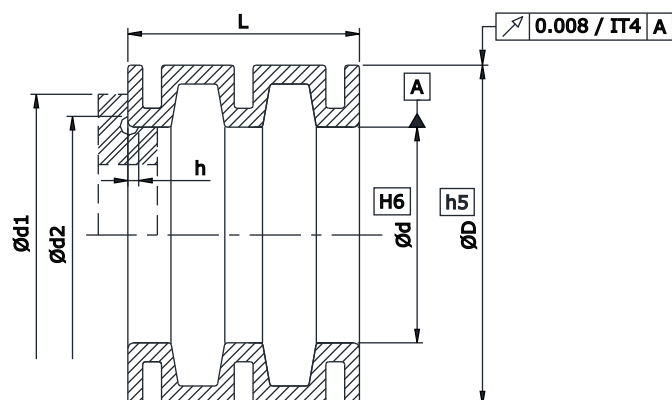


◆ Tolerance & Surface finish:

- 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	19	11	9.2	1.5	12	2955	10000	0.5	0.005
10 x 15	19	14	11.2	1.5	21	4137	11000	0.6	0.008
12 x 18	19	17	13.2	1.5	34	5812	11800	0.7	0.010
14 x 20	19	19	15.2	1.5	48	6865	13400	0.8	0.012
15 x 22	19	21	16.2	1.5	53	7151	13700	0.8	0.015
16 x 22	19	21	17.2	1.5	63	7929	14900	0.8	0.014
18 x 25	19	24	19.2	1.5	79	8767	15900	0.9	0.017
20 x 32	26	28	22	1.7	122	12175	20600	0.9	0.045
22 x 35	26	30	24	1.7	141	12825	21700	0.9	0.053
25 x 37	26	33	27	1.7	187	14962	24500	1.1	0.054
28 x 40	26	36	30	1.7	233	16696	26900	1.1	0.059
30 x 42	26	38	32	1.7	268	17838	28300	1.1	0.062
32 x 48	35	40	34	2.2	383	23936	32400	1.2	0.120
35 x 52	35	44	37	2.2	450	25748	34400	1.2	0.138
40 x 56	35	49	42	2.2	590	29501	38900	1.2	0.143
45 x 68	42	55	48	3	792	35224	44700	1.2	0.268
50 x 72	42	60	53	3	973	38927	49400	1.2	0.273
55 x 80	52	65	58	3	1288	46834	59000	1.5	0.410
60 x 85	52	70	63	3	1526	50872	63300	1.5	0.440
63 x 88	52	73	66	3	1691	53684	66000	1.5	0.458
65 x 90	52	75	68	3	1811	55733	67700	1.5	0.470
70 x 100	62	82	74	4	2325	66415	78800	1.5	0.705
75 x 105	62	87	79	4	2636	70286	83400	1.5	0.746
80 x 110	62	92	84	4	3004	75117	88100	1.6	0.787
85 x 115	62	97	89	4	3358	79037	92700	1.6	0.828
90 x 120	62	102	94	4	3726	82810	97200	1.6	0.869
95 x 125	62	107	99	4	4166	87710	101800	1.8	0.910
100 x 130	62	112	104	4	4591	91826	106500	2.0	0.952
110 x 140	62	122	114	4	5487	99764	115700	2.1	1.034
120 x 150	62	132	124	4	6539	108976	125000	2.1	1.116
125 x 155	62	137	129	4	7062	112994	129600	2.1	1.157
130 x 160	62	142	134	4	7612	117110	134300	2.2	1.198
140 x 170	62	152	144	4	8856	126518	143500	2.2	1.280
150 x 180	62	162	154	4	10108	134770	152800	2.2	1.362

Dimensions/Design subject to modifications without any prior intimation.

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