

Clamping Sleeve - Model N5014.1



◆ 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: High

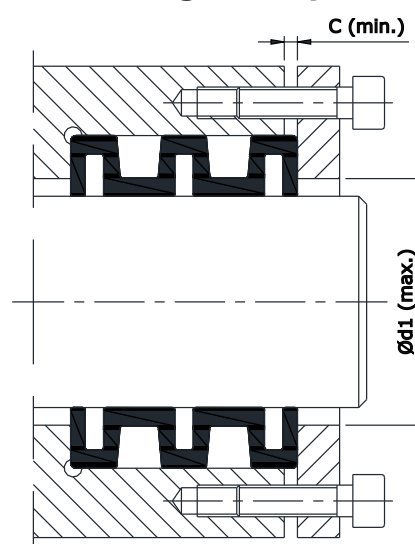
◆ Tolerance & Surface finish:

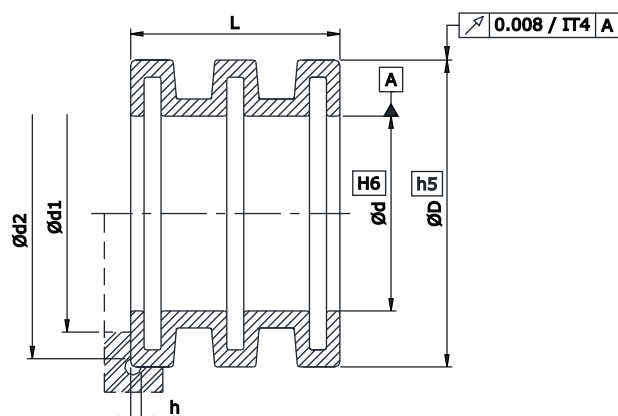
- A good Surface finish by Machine tool is sufficient. Maximum allowable Surface finish $R_a \leq 3.2\mu\text{m}$
- Maximum Permissible Tolerance for Shaft is h5/h6 & for Hub bore is H6/H7.
- The Concentricity of Hub bore / Outer diameter of Clamping Sleeve must be:
0.008 mm (< 80mm) & IT4 (> 80 mm)

◆ 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 = $0.75 \times F_{\text{max}}$.

◆ Mounting Example:





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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	19	9	10.8	1.5	12	2955	10000	0.5	0.005
10 x 15	19	11	13.8	1.5	21	4137	11000	0.6	0.008
12 x 18	19	13	16.8	1.5	34	5812	11800	0.7	0.010
14 x 20	19	15	18.8	1.5	48	6865	13400	0.8	0.012
15 x 22	19	16	20.8	1.5	53	7151	13700	0.8	0.015
16 x 22	19	17	20.8	1.5	63	7929	14900	0.8	0.013
18 x 25	19	19	23.8	1.5	79	8767	15900	0.9	0.017
20 x 32	26	24	30	1.7	122	12175	20600	0.9	0.044
22 x 35	26	27	33	1.7	141	12825	21700	0.9	0.052
25 x 37	26	29	35	1.7	187	14962	24500	1.1	0.052
28 x 40	26	32	38	1.7	233	16696	26900	1.1	0.058
30 x 42	26	34	40	1.7	268	17838	28300	1.1	0.061
32 x 48	35	40	46	2.2	383	23936	32400	1.2	0.117
35 x 52	35	43	50	2.2	450	25748	34400	1.2	0.134
40 x 56	35	48	54	2.2	590	29501	38900	1.2	0.140
45 x 68	42	58	65	3	792	35224	44700	1.2	0.258
50 x 72	42	62	69	3	973	38927	49400	1.2	0.267
55 x 80	52	70	77	3	1288	46834	59000	1.5	0.400
60 x 85	52	75	82	3	1526	50872	63300	1.5	0.430
63 x 88	52	78	85	3	1691	53684	66000	1.5	0.448
65 x 90	52	80	87	3	1811	55733	67700	1.5	0.460
70 x 100	62	88	96	4	2325	66415	78800	1.5	0.690
75 x 105	62	93	101	4	2636	70286	83400	1.5	0.731
80 x 110	62	98	106	4	3004	75117	88100	1.6	0.765
85 x 115	62	103	111	4	3358	79037	92700	1.6	0.814
90 x 120	62	108	116	4	3726	82810	97200	1.6	0.855
95 x 125	62	113	121	4	4166	87710	101800	1.8	0.896
100 x 130	62	118	126	4	4591	91826	106500	2.0	0.937
110 x 140	62	128	136	4	5487	99764	115700	2.1	1.019
120 x 150	62	138	146	4	6539	108976	125000	2.1	1.101
125 x 155	62	143	151	4	7062	112994	129600	2.1	1.142
130 x 160	62	148	156	4	7612	117110	134300	2.2	1.183
140 x 170	62	158	166	4	8856	126518	143500	2.2	1.265
150 x 180	62	168	176	4	10108	134770	152800	2.2	1.347

Dimensions/Design subject to modifications without any prior intimation.

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