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Tapered Shaft Hubs • with lock nut

EH 25050.



Product Description

It is a self-centering and non-floating tapered shaft hub in corrosion-protected design with a hexagon nut and a lock nut.
The rotational accuracy of the tapered shaft hubs is 0,03 mm.
By using tapered shaft hubs, all shaft-hub joints of machine elements such as sprocket wheels, gear wheels, belt pulleys, cams, levers etc. can be easily and efficiently established.

Material

External part
- Steel, zinc-plated by galvanization

Inner part
- Steel, nickel-plated

Nut
- Steel, nickel-plated

Assembly

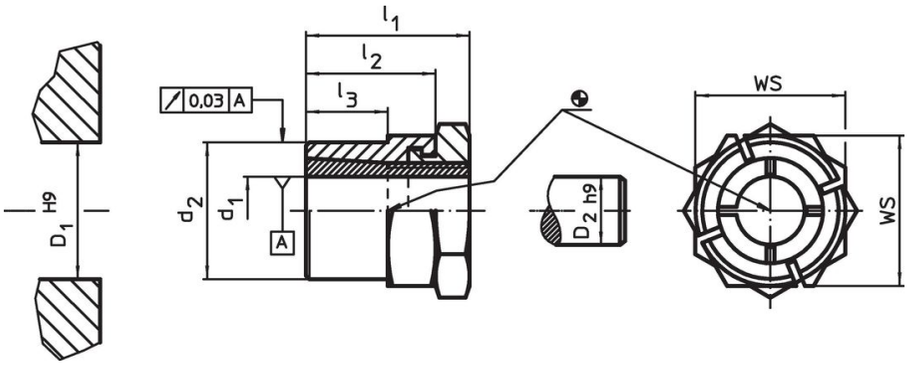
The lock nut at the outer part facilitates locking of the shaft-hub joint if freely rotating shafts are involved. For mounting, a cresent wrench (thickness max. l_2-l_3) is used.

More information

References

Comply with mounting instructions, mounting examples, and technical data.

Drawing



Order information

Dimensions d_1 [mm]	d_2 [mm]	l_1 [mm]	l_2 [mm]	l_3 [mm]	WS [mm]	Tightening torque of the nut T_A max. [Nm]	Transferable torque M max. [Nm]	Transferable axial load F_a max. [kN]	Surface pressure of shaft p_W max. [N/mm²]	Surface pressure of hub p_N max. [N/mm²]	Hub bore D_1 H9 [mm]	Shaft diameter D_2 h9 [mm]	[g]	Art. No.
5	**12**	19	15	9	14	9.9	10.1	4.0	264	119	12	5	16	25050.0105
6	**12**	19	15	9	14	9.9	12.1	4.0	220	119	12	6	15	25050.0106
8	**14**	22	17	11	16	16.9	23.4	5.8	179	121	14	8	21	25050.0108
9	**18**	24	19	12	22	34.9	43.7	9.7	245	127	18	9	47	25050.0109
10	**18**	24	19	12	22	34.9	48.6	9.7	221	127	18	10	44	25050.0110
11	**20**	24	19	12	22	43.8	59.9	10.9	225	128	20	11	47	25050.0111
12	**20**	24	19	12	22	43.8	65.3	10.9	206	128	20	12	43	25050.0112
14	**24**	28	22	15	27	65.0	93.0	13.3	178	107	24	14	77	25050.0114
15	**24**	28	22	15	27	65.0	99.0	13.3	166	107	24	15	72	25050.0115
16	**24**	28	22	15	27	65.0	106.0	13.3	156	107	24	16	67	25050.0116
18	**30**	36	27	17	36	161.0	223.0	24.8	224	145	30	18	177	25050.0118
19	**30**	36	27	17	36	161.0	235.0	24.8	212	145	30	19	167	25050.0119
20	**30**	36	27	17	36	161.0	248.0	24.8	201	145	30	20	160	25050.0120
22	**38**	41	30	20	46	250.0	349.0	31.8	197	122	38	22	336	25050.0122
24	**38**	41	30	20	46	250.0	381.0	31.8	180	122	38	24	317	25050.0124
25	**38**	41	30	20	46	250.0	397.0	31.8	173	122	38	25	303	25050.0125
28	**42**	44	33	23	50	355.0	565.0	40.4	174	123	42	28	370	25050.0128
30	**42**	44	33	23	50	355.0	605.0	40.4	162	123	42	30	340	25050.0130
32	**50**	51	38	28	55	490.0	764.0	47.8	166	112	50	32	553	25050.0132
35	**50**	51	38	28	55	490.0	836.0	47.8	151	112	50	35	491	25050.0135

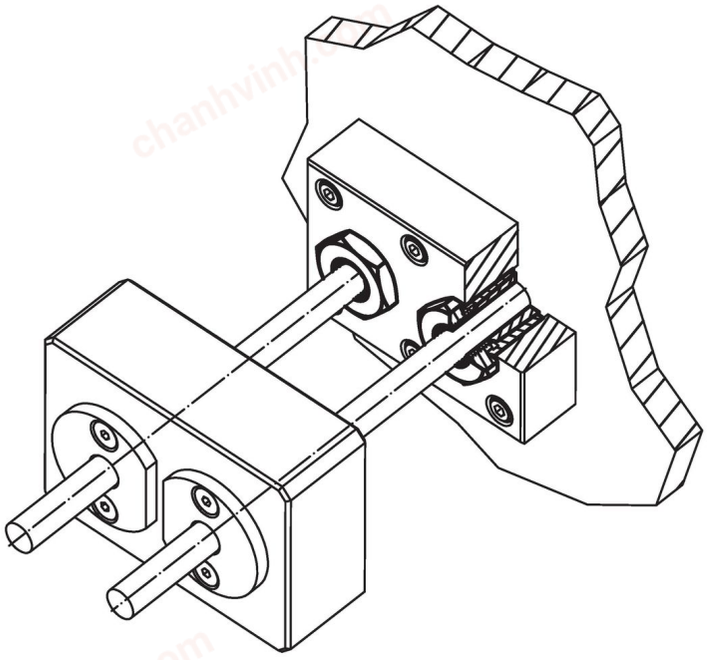
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Accessories

	WS [mm]		Art. No.
special fork wrench			
	**14**	45.0 g	25050.0814
	16	72.0 g	25050.0816
	22	195.0 g	25050.0822
	27	195.0 g	25050.0827
	36	428.0 g	25050.0836
	46	610.0 g	25050.0846
	50	870.0 g	25050.0850
	55	1.1 kg	25050.0855

Application example





Compliance

For detailed compliance information please select the desired article number.