

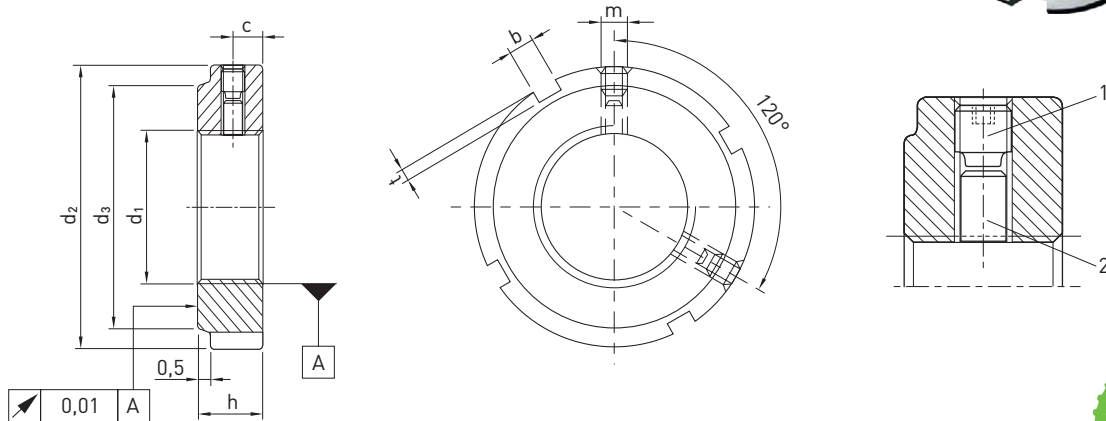
Ballscrews

Shaft ends and accessories

8.9 HIR lock nuts – radial clamping

Type

- Right-hand thread
- Left-hand thread on request.
- The thread and plane surface are produced in a single clamping process
- Thread quality 4H
- HIR lock nuts can be used several times if used correctly



(1) Grub screw, (2) Blocking plug (cut to profile)



Table 8.41 Dimensions of lock nut HIR

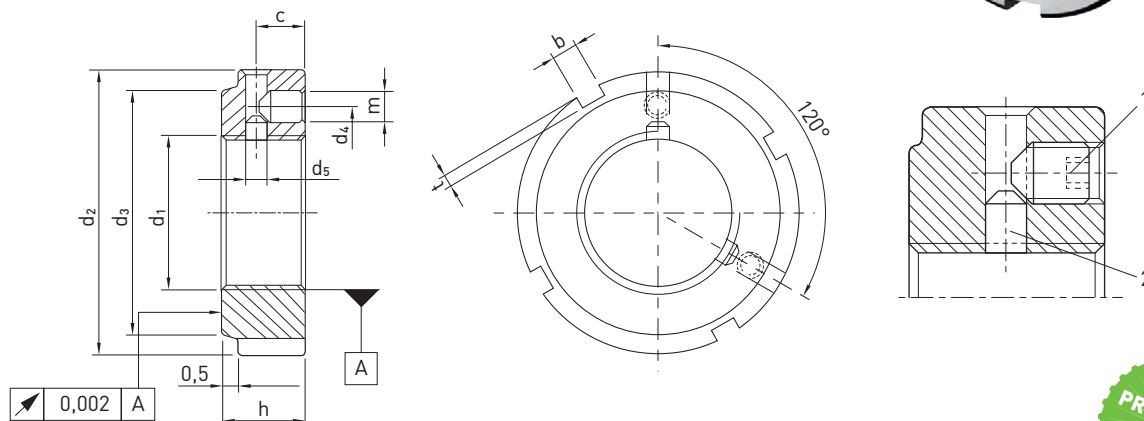
Type	Thread d ₁	d ₂	h	b	t	d ₃	c	m	Article number
HIR06	M6 × 0.5	16	8	3	2.0	11	4	M4	20-000156
HIR08	M8 × 0.75	16	8	3	2.0	11	4	M4	20-000157
HIR10	M10 × 0.75	18	8	3	2.0	13	4	M4	20-000158
HIR12	M12 × 1	22	8	3	2.0	18	4	M4	20-000160
HIR15	M15 × 1	25	8	3	2.0	21	4	M4	20-000162
HIR17	M17 × 1	28	10	4	2.0	23	5	M5	20-000163
HIR20 × 1	M20 × 1	32	10	4	2.0	27	5	M5	20-000164
HIR20 × 1.5	M20 × 1.5	32	10	4	2.0	27	5	M5	20-000165
HIR25	M25 × 1.5	38	12	5	2.0	33	6	M6	20-000166
HIR30	M30 × 1.5	45	12	5	2.0	40	6	M6	20-000167
HIR35	M35 × 1.5	52	12	5	2.0	47	6	M6	20-000168
HIR40	M40 × 1.5	58	14	6	2.5	52	7	M6	20-000169
HIR45	M45 × 1.5	65	14	6	2.5	59	7	M6	20-000170
HIR50	M50 × 1.5	70	14	6	2.5	64	7	M6	20-000171
HIR55	M55 × 2	75	16	7	3.0	68	8	M6	20-000173
HIR60	M60 × 2	80	16	7	3.0	73	8	M6	20-000174
HIR65	M65 × 2	85	16	7	3.0	78	8	M6	20-000176
HIR70	M70 × 2	92	18	8	3.5	85	9	M8	20-000177
HIR75	M75 × 2	98	18	8	3.5	90	9	M8	20-000179
HIR80	M80 × 2	105	18	8	3.5	95	9	M8	20-000180
HIR85	M85 × 2	110	18	8	3.5	102	9	M8	20-000181
HIR90	M90 × 2	120	20	10	4.0	108	10	M8	20-000192
HIR95	M95 × 2	125	20	10	4.0	113	10	M8	20-000183
HIR100	M100 × 2	130	20	10	4.0	120	10	M8	20-000159

Unit: mm

8.10 HIA lock nuts – axial clamping

Type

- Right-hand thread
- Left-hand thread on request
- The thread and plane surface are produced in a single clamping process
- Thread quality 4H
- HIA lock nuts can be used several times if used correctly



(1) Grub screw, (2) Blocking plug (cut to profile)



Table 8.42 Dimensions of lock nuts HIA

Type	Thread d ₁	d ₂	h	b	t	d ₃	d ₄	m	Article number
HIA17	M17 × 1	28	16	4	2.0	23	22.5	M4	20-000128
HIA20 × 1	M20 × 1	32	16	4	2.0	27	26.0	M4	20-000129
HIA20 × 1.5	M20 × 1.5	32	16	4	2.0	27	26.0	M4	20-000127
HIA25	M25 × 1.5	38	18	5	2.0	33	31.5	M5	20-000130
HIA30	M30 × 1.5	45	18	5	2.0	40	37.5	M5	20-000131
HIA35	M35 × 1.5	52	18	5	2.0	47	43.5	M5	20-000132
HIA40	M40 × 1.5	58	20	6	2.5	52	49.0	M6	20-000133
HIA45	M45 × 1.5	65	20	6	2.5	59	55.0	M6	20-000134
HIA50	M50 × 1.5	70	20	6	2.5	64	60.0	M6	20-000135
HIA55	M55 × 2	75	22	7	3.0	68	65.0	M6	20-000136
HIA60	M60 × 2	80	22	7	3.0	73	70.0	M6	20-000137
HIA65	M65 × 2	85	22	7	3.0	78	75.0	M6	20-000138
HIA70	M70 × 2	92	24	8	3.5	85	81.0	M8	20-000139
HIA75	M75 × 2	98	24	8	3.5	90	87.0	M8	20-000140
HIA80	M80 × 2	105	24	8	3.5	95	93.0	M8	20-000141
HIA85	M85 × 2	110	24	8	3.5	102	98.0	M8	20-000142
HIA90	M90 × 2	120	26	10	4.0	108	105.0	M8	20-000143
HIA95	M95 × 2	125	26	10	4.0	113	110.0	M8	20-000144
HIA100	M100 × 2	130	26	10	4.0	120	115.0	M8	20-000124

Unit: mm