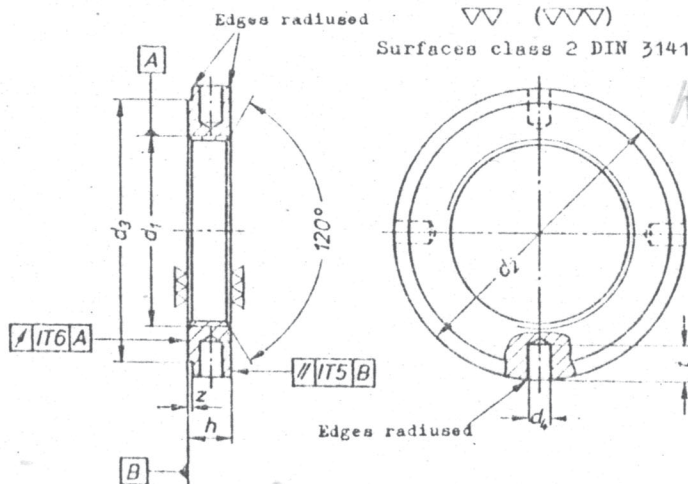


Round Nut with Set Pin Holes Inside
ISO Metric Fine Thread

DIN
1816

Kreuzlochmuttern; Metrisches ISO-Feingewinde

Dimensions in mm



Designation of a round nut with set pin holes inside with thread $d_1 = M 120 \times 2$, hardened type(h)
Round nut with set pin holes inside M 120 x 2 DIN 1816 - h

Thread	d_2	d_3	d_4	h	t	z	Number of holes	Weight (7.85 kg/dm ³) kg/100 pieces
d_1	$h 11$	$H 11$	$h 14$					
M 6 x 0,75	16	12	2,5	5	4	0,5	4	0,595
M 8 x 1	20	16	2,5	5	4,5	0,5	4	0,950
M 10 x 1	25	20	3	6	4,5	0,5	4	1,81
M 12 x 1,5	28	23	3	6	5	0,5	4	2,23
M 14 x 1,5	30	25	4	7	5	0,5	4	2,88
M 16 x 1,5	32	27	4	7	6	0,5	4	3,12
M 18 x 1,5	34	28	4	8	6	0,5	4	3,92
M 20 x 1,5	36	30	4	8	6	0,5	4	4,25
M 22 x 1,5	40	34	4	9	6	0,5	4	6,05
M 24 x 1,5	42	36	4	9	6	0,5	4	6,45
M 26 x 1,5	45	38	5	10	6	0,5	4	8,10
M 28 x 1,5								10,3
M 30 x 1,5	50	43	5	10	7	0,5	4	9,55
M 32 x 1,5	52	45	5	11	7	0,5	4	11,1
M 35 x 1,5	55	48	5	11	7	0,5	4	12,9
M 38 x 1,5	58	50	5	11	8	0,5	4	12,7
M 40 x 1,5								16,2
M 42 x 1,5	62	54	6	12	8	0,5	4	15,0
M 45 x 1,5	68	60	6	12	8	0,5	6	18,5
M 48 x 1,5								25,6
M 50 x 1,5	75	67	6	13	10	0,5	6	24,1
M 52 x 1,5								28,6
M 55 x 1,5	80	70	6	13	10	0,5	6	26,1
M 58 x 1,5								37,0
M 60 x 1,5	90	80	6	13	10	0,5	6	35,1

Thread	d_2	d_3	d_4	h	t	z	Number of holes	Weight (7.85 kg/dm ³) kg/100 pieces
d_1	$h 11$	$H 11$	$h 14$					
M 62 x 1,5								42,3
M 65 x 1,5	95	85	8	14	12	0,5	6	39,2
M 68 x 1,5								44,0
M 70 x 1,5	100	90	8	14	12	0,5	6	41,5
M 72 x 1,5								57,4
M 75 x 1,5	110	100	8	14	12	0,5	6	53,6
M 80 x 2	115	105	8	16	12	1	6	57,5
M 85 x 2	120	110	8	16	12	1	6	63,0
M 90 x 2	130	120	8	16	12	1	6	84,3
M 95 x 2	135	120	8	16	12	1	6	87,5
M 100 x 2	145	130	8	16	12	1	6	106
M 105 x 2								125
M 110 x 2	155	140	8	16	12	1	6	114
M 115 x 2								142
M 120 x 2	165	150	10	18	15	1	6	136
M 125 x 2								178
M 130 x 3	180	165	10	18	15	1	8	167
M 140 x 3	195	180	10	18	15	1	8	200
M 150 x 3	205	190	10	18	15	1	8	212
M 160 x 3	220	205	10	20	15	1	8	277
M 170 x 3	230	210	10	20	15	1	8	291
M 180 x 3	245	225	10	20	15	1	8	336
M 190 x 3	260	240	10	20	18	1	8	381
M 200 x 3	270	250	10	22	18	1	8	442

Material (strength properties): at least 5 according to DIN 267 Part 4

Type: w unhardened and unground

h hardened to HRC 60 ± 2 with the exception of the thread, faces ground

Continued on page 2

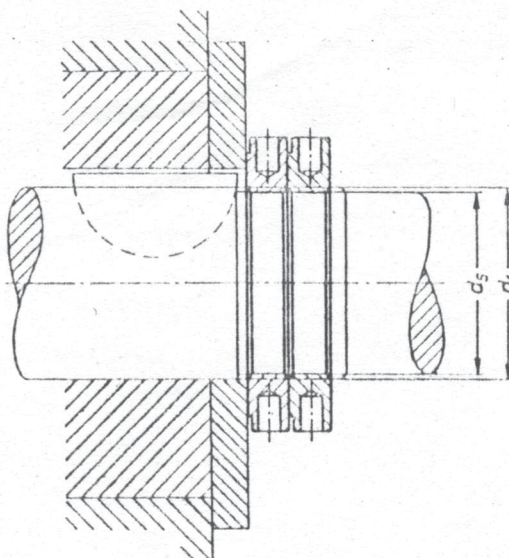
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Translation
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Example of application:

The stepped face of the round nut with set pin holes inside shall always be used as the bearing face.



The maximum diameter d_5 for shafts without retaining slot shall be taken from the Table below.

Thread d_1	d_5 max.
M 6 × 0,75	$d_1 - 1$
M 8 × 1 to M 75 × 1,5	$d_1 - 2$
M 80 × 2 to M 125 × 2	$d_1 - 3$
M 130 × 3 to M 200 × 3	$d_1 - 4$