

Self Locking Counter Nuts

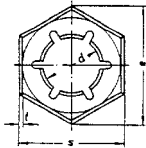
DIN
7967

Sicherungsmuttern

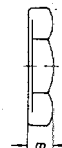
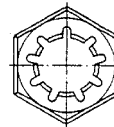
Dimensions in mm

Details left unspecified are to be designed as appropriate.

For metric thread
Series 1 (6 locking
teeth)



For metric fine thread
Series 2 and 3 (9 locking
teeth)



Designation of a self locking counter nut for M 12 thread in spring steel, galvanized:

Self locking counter nut M 12 DIN 7967 - galvanized

Designation of a self locking counter nut for M 12 x 1,5 thread in spring steel, galvanized:

Self locking counter nut M 12 x 1,5 DIN 7967 - galvanized

For thread			d for thread			e	m	s	r for thread			u	v	weight (7,85 kg/dm ³) kg/1000 pieces		
Series 1	Series 2	Series 3	Ser. 1	Ser. 2	Ser. 3	=	n13		Ser. 1	Ser. 2	Ser. 3	min.	min.	Ser. 1	Ser. 2	Ser. 3
M 4	-	-	3,5	-	-	8,1	2,5	7	0,3	-	-	2,5	5,7	0,17	-	-
M 5	-	-	4,5	-	-	9,2	2,5	8	0,4	-	-	2,5	6,5	0,28	-	-
M 6	-	-	5,3	-	-	11,5	3	10	0,4	-	-	3	8	0,4	-	-
M 8	M 8 x 1	-	6,9	7,1	-	15	3,5	13	0,5	0,4	-	3,5	10	0,9	0,7	-
M 10	M 10 x 1,25	M 10 x 1	8,6	9	9,3	19,6	4	17	0,5	0,5	0,5	4	12	1,4	1,4	1,4
M 12	M 12 x 1,5	M 12 x 1,25	10,4	10,7	11	21,9	4,5	18	0,6	0,6	0,6	4,5	14,5	1,9	1,9	1,9
M 14	M 14 x 1,5	-	12	12,7	-	25,4	5	22	0,6	0,6	-	5	16	2,5	2,5	-
M 16	M 16 x 1,5	-	14,1	14,8	-	27,7	5	24	0,7	0,7	-	5	18	3,4	3,4	-
M 18	M 18 x 2	M 18 x 1,5	15,5	16,2	16,8	31,2	5,5	27	0,7	0,7	0,7	5,5	20,5	4,1	4,1	4,1
M 20	M 20 x 2	M 20 x 1,5	17,6	18,3	18,8	34,6	6	30	0,8	0,8	0,7	6	22	5,8	5,8	5,1
M 22	M 22 x 2	M 22 x 1,5	19,6	20,3	20,8	38,9	6	32	0,8	0,8	0,7	6	24	6,4	6,4	5,6
M 24	M 24 x 2	M 24 x 1,5	21	22,5	22,8	41,6	7	36	0,9	0,9	0,7	7	26	9,5	9,5	7,4
M 27	M 27 x 2	-	24,2	25,5	-	47,3	7	41	1	1	-	7	29	13	13	-
M 30	M 30 x 2	-	26,6	28,5	-	53,1	8	46	1,1	1	-	8	32	17,5	16	-
M 33	M 33 x 2	-	29,8	31,5	-	57,7	8	50	1,2	1	-	8	34	22	18,5	-
M 36	M 36 x 3	-	32,7	33,6	-	63,5	9	56	1,3	1,3	-	9	38	29	29	-
M 39	M 39 x 3	-	35,2	36,6	-	68,3	9	60	1,3	1,3	-	9	40	32	32	-
M 42	M 42 x 3	-	37,8	39,8	-	75	11	65	1,4	1,4	-	11	45	45	45	-
M 45	M 45 x 3	-	40,9	42,8	-	80,8	12	70	1,5	1,5	-	12	48	64	64	-
M 48	M 48 x 3	-	43,9	45,8	-	86,5	14	75	1,6	1,5	-	14	52	80	75	-
M 52	M 52 x 3	-	48,2	49,8	-	92,4	16	80	1,7	1,5	-	16	58	95	80	-

Material: Spring steel according to DIN 17222 (Preliminary Standard)

CESR materials subject to agreement

Finish: hardened to HV = 350 to 425 kp/mm²

Edges deburred

Surface protection, e.g.: galvanized, galvanized and chromated, cadmium-plated, copper-plated, lead-coated

If electrolytically deposited surface protection is required, the symbols according to DIN 267 Sheet 9 are recommended.

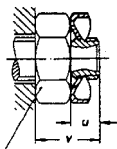
When the self locking counter nuts have electrolytically deposited surface protection it is essential that suitable treatment methods should be adopted in order to prevent hydrogen embrittlement.

For example of application, see page 2

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Example of application



Hexagon nut
according to DIN 934

Tightening the self locking counter nut:
screw on the self locking counter nut hand-tight
and then give final tightening of 1/4 to 1/2
turn using a spanner.

Loosening the self locking counter nut:
tighten the hexagon nut hard to nullify the
spring effect of the locking teeth. It is then
easy to release the self locking counter nut.