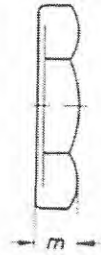
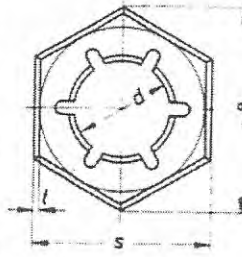
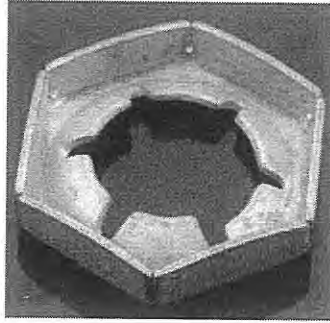


DIN7967 Self Locking Counter Nut (PAL-NUT)



THREAD	d mm	e mm	s mm	t mm	m
M4	3.5	8.1	7	0.3	2.5
M5	4.5	9.2	8	0.4	2.5
M6	5.3	11.5	10	0.4	3
M8	6.9	15	13	0.5	3.5
M10	8.6	19.6	17	0.5	4
M12	10.4	21.9	19	0.6	4.5
M14	12	25.4	22	0.6	5
M16	14.1	27.7	24	0.7	5
M18	15.5	31.2	27	0.7	5.5
M20	17.6	34.6	30	0.8	6
M22	19.6	36.9	32	0.8	6
M24	21	41.6	36	0.9	7
M27	24.2	47.3	41	1	7
M30	26.6	53.1	46	1.1	8
M33	28	57.7	50	1.2	8
M36	32.2	63.5	55	1.3	9
M39	35.2	69.3	60	1.3	9
M42	37.6	75	65	1.4	11
M45	40.9	80.8	70	1.5	12
M48	43.9	86.5	75	1.6	14
M52	48.2	92.4	80	1.7	16
M56	51.2	-	85	2	16
M60	55.2	-	90	2	16
M64	58.3	-	95	2	16
M68	62.3	-	100	2	16
M72	66.3	-	106	2	16
M76	70.5	-	116	2	18
M80	74.5	-	128	2	20

Item ①

Item ②

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No guarantee can be given in respect of this transition. In all cases the latest German-language version of this standard shall be taken as authoritative.

Self Locking Counter Nuts

DIN
7967

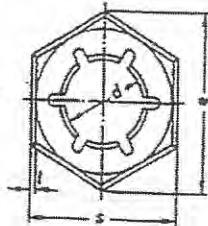
Sicherungsmuttern

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	t 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 6	-	-	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	19	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	-	32,2	33,6	-	63,5	9	55	1,3	1,3	-	9	38	29	29	-
M 39	M 39 x 3	-	35,2	36,6	-	69,3	9	60	1,3	1,3	-	9	40	32	32	-
M 42	M 42 x 3	-	37,6	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)
Other 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

Continued on page 2

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Polysius A. G.

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