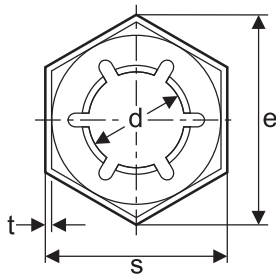


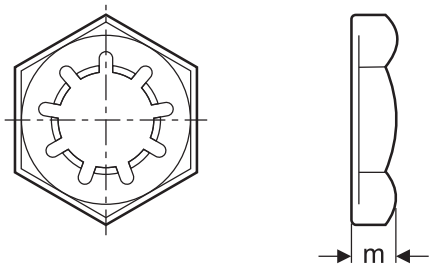
# Self Locking Counter Nuts

## DIN 7967 Pal Nuts

For metric thread Series 1  
(6 locking teeth)



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



### DIN 7967 Dimensions of Self Locking Counter Nuts

For thread size			For thread <i>d</i>			<i>e</i>	<i>m</i>	<i>s</i>	For thread <i>t</i>			<i>u</i>	<i>v</i>	Weight (7.85kg/dm <sup>3</sup> ) kg/1000 pieces		
Series 1	Series 2	Series 3	Series 1	Series 2	Series 3				Series 1	Series 2	Series 3			Series 1	Series 2	Series 3
M4	-	-	3.5	-	-	8.1	2.5	7.0	0.3	-	-	2.5	5.7	0.17	-	-
M5	-	-	4.5	-	-	9.2	2.5	8.0	0.4	-	-	2.5	6.5	0.28	-	-
M6	-	-	5.3	-	-	11.5	3.0	10.0	0.4	-	-	3.0	8.0	0.40	-	-
M8	M8 x 1	-	6.9	7.1	-	15.0	3.5	13.0	0.5	0.4	-	3.5	10.0	0.90	0.70	-
M10	M10 x 1.25	M10 x 1	8.6	9.0	9.3	19.6	4.0	17.0	0.5	0.5	0.5	4.0	12.0	1.40	1.40	1.40
M12	M12 x 1.5	M12 x 1.25	10.4	10.7	11.0	21.9	4.5	19.0	0.6	0.6	0.6	4.5	14.5	1.90	1.90	1.90
M14	M14 x 1.5	-	12.0	12.70	-	25.4	5.0	22.0	0.6	0.6	-	5.0	16.0	2.50	2.50	-
M16	M16 x 1.5	-	14.1	14.8	-	27.7	5.0	24.0	0.7	0.7	-	5.0	18.0	3.40	3.40	-
M18	M18 x 2	M18 x 1.5	15.5	16.2	16.8	31.2	5.5	27.0	0.7	0.7	0.7	5.5	20.5	4.10	4.10	4.10
M20	M20 x 2	M20 x 1.5	17.6	18.3	18.8	34.6	6.0	30.0	0.8	0.8	0.7	6.0	22.0	5.80	5.80	5.10
M22	M22 x 2	M22 x 1.5	19.6	20.3	20.8	36.9	6.0	32.0	0.8	0.8	0.7	6.0	24.0	6.40	6.40	5.60
M24	M24 x 2	M24 x 1.5	21.0	22.5	22.8	41.6	7.0	36.0	0.9	0.9	0.7	7.0	26.0	9.50	9.50	7.40
M27	M27 x 2	-	24.2	25.5	-	47.3	7.0	41.0	1.0	1.0	-	7.0	29.0	13.00	13.00	-
M30	M30 x 2	-	26.6	28.5	-	53.1	8.0	46.0	1.1	1.0	-	8.0	32.0	17.50	16.00	-
M33	M33 x 2	-	29.8	31.5	-	57.7	8.0	50.0	1.2	1.0	-	8.0	34.0	22.00	18.50	-
M36	M36 x 3	-	32.2	33.6	-	63.5	9.0	55.0	1.3	1.3	-	9.0	38.0	29.00	29.00	-
M39	M39 x 3	-	35.2	36.6	-	69.3	9.0	60.0	1.3	1.3	-	9.0	40.0	32.00	32.00	-
M42	M42 x 3	-	37.6	39.8	-	75.0	11.0	65.0	1.4	1.4	-	11.0	45.0	45.00	45.00	-
M45	M45 x 3	-	40.9	42.8	-	80.8	12.0	70.0	1.5	1.5	-	12.0	48.0	64.00	64.00	-
M48	M48 x 3	-	43.9	45.8	-	86.5	14.0	75.0	1.6	1.5	-	14.0	52.0	80.00	75.00	-
M52	M52 x 3	-	48.2	49.8	-	92.4	16.0	80.0	1.7	1.5	-	16.0	58.0	95.00	80.00	-

# Self Locking Counter Nuts

## DIN 7967 Pal Nuts

### Specification for nuts and reference standards

Material	Spring steel according to DIN 17222 (Preliminary Standard)
Finish	Hardened to HV - 350 to 425 kp/mm <sup>2</sup>
Surface protection	Galvanised, Electro-zincplated, Cadmium-plated, Copper plated, Lead-coated.
	DIN 267 Part 9 shall apply with regard to electroplating.
	When the self locking counter nuts have electrolytically deposited surface protection it is essential that suitable treatment methods be adopted in order to prevent hydrogen embrittlement.