

## DIN 6798 Serrated lock washer with external teeth Form A

## **Information**

External tooth lock washers manufactured according to DIN 6798 allow the immobilization of fasteners such as bolts and screws which are subject to vibrations while maintaining uniform tightening torque in any mechanical electrical or electronic application. In addition to these anti-vibration properties, this washer also improves the quality of electrical circuits as each of the outer teeth forms an excellent point of contact. This washer is recommended for use in inaccessible application zones where it may be difficult to tighten the bolt or screw once fitted.

The fact that Form A has teeth on the outer circumference of the washer means that there is uniform contact on the biggest possible surface area, thereby reducing the danger of loosening.

The surface of the bolt or screw should be flat and perpendicular to its vertical axis.

The permanent inclination of the teeth, which are superimposed one upon the other around the circumference of the washer, gives a very high friction factor allowing for progressive and evenly distributed tightening torque around the head of the bolt or screw.

The tightening torque applied on the teeth of this washer should in no case exceed the recommended tightening torque for 8.8 class bolts.

When tightening torque is applied, the edges of the teeth of this washer are incrusted in the head of the bolt or screw, forming an immobile unit resistant to loosening.

## DIN 6798 Serrated lock washer with external teeth Form A

Part nº Form "A"	d <sub>2</sub>		\$ ±		For metric bolt M.	Whitworth equivalent W.	Box quantity	Outer box quantity
	6	-0,3	0,4	0,020	3	1/8"	8000	64000
01170070	8	-0,36	0,5	0,020	4	5/35"	2000	32000
01170089	9	-0,36	0,5	0,025	5	3/16"	1500	24000
01170097	11	-0,43	0,7	0,025	6	1/4"	1750	14000
01170100	12,5	-0,43	0,8	0,030	7		1000	16000
01170118	14	-0,43	0,8	0,030	8	5/16"	1000	16000
01170126	18	-0,43	0,9	0,030	10	3/8"	1000	8000
01170134	20,5	-0,52	1	0,030	12		500	4000
01170150	24	-0,52	1	0,030	14	9/16"	400	3200
01170169	26	-0,52	1,2	0,035	16	5/8"	500	4000
01170177	30	-0,52	1,4	0,035	18		300	2400
01170193	33	-0,62	1,4	0,035	20	3/4"	250	2000
	Form "A"  01170054 01170070 01170089 01170100 01170118 01170126 01170134 01170150 01170169 01170177	Form "A"  011770054 6 011770070 8 011770089 9 011770097 11 01170100 12,5 01170118 14 01170126 18 01170134 20,5 01170150 24 01170169 26 01170177 30	Form "A"  01170054 6 -0,3 01170070 8 -0,36 01170089 9 -0,36 01170097 11 -0,43 01170100 12,5 -0,43 01170118 14 -0,43 01170126 18 -0,43 01170134 20,5 -0,52 01170150 24 -0,52 01170169 26 -0,52 01170177 30 -0,52	Form "A"  01170054 6 -0,3 0,4 01170070 8 -0,36 0,5 01170089 9 -0,36 0,5 01170097 11 -0,43 0,7 01170100 12,5 -0,43 0,8 01170118 14 -0,43 0,8 01170126 18 -0,43 0,9 01170134 20,5 -0,52 1 01170150 24 -0,52 1 01170169 26 -0,52 1,2 01170177 30 -0,52 1,4	Form "A"  01170054 6 -0,3 0,4 0,020 01170070 8 -0,36 0,5 0,020 01170089 9 -0,36 0,5 0,025 01170097 11 -0,43 0,7 0,025 01170100 12,5 -0,43 0,8 0,030 01170118 14 -0,43 0,8 0,030 01170126 18 -0,43 0,9 0,030 01170134 20,5 -0,52 1 0,030 01170150 24 -0,52 1 0,030 01170169 26 -0,52 1,2 0,035 01170177 30 -0,52 1,4 0,035	Form "A"  01170054 6 -0,3 0,4 0,020 3 01170070 8 -0,36 0,5 0,020 4 01170089 9 -0,36 0,5 0,025 5 01170097 11 -0,43 0,7 0,025 6 01170100 12,5 -0,43 0,8 0,030 7 01170118 14 -0,43 0,8 0,030 8 01170126 18 -0,43 0,9 0,030 10 01170134 20,5 -0,52 1 0,030 12 01170150 24 -0,52 1 0,030 14 01170169 26 -0,52 1,2 0,035 16 01170177 30 -0,52 1,4 0,035 18	Form "A" bolt M. equivalent W.  01170054 6 -0.3 0,4 0.020 3 1/8" 01170070 8 -0.36 0,5 0.020 4 5/35" 01170089 9 -0.36 0,5 0.025 5 3/16" 01170097 11 -0.43 0,7 0.025 6 1/4" 01170100 12,5 -0.43 0,8 0.030 7 01170118 14 -0.43 0,8 0.030 8 5/16" 01170126 18 -0.43 0,9 0.030 10 3/8" 01170134 20,5 -0.52 1 0.030 12 01170150 24 -0.52 1 0.030 14 9/16" 01170169 26 -0.52 1,2 0.035 16 5/8" 01170177 30 -0.52 1,4 0.035 18	Form "A"         bolt M.         equivalent W.         quantity           01170054         6         -0,3         0,4         0,020         3         1/8"         8000           01170070         8         -0,36         0,5         0,020         4         5/35"         2000           01170089         9         -0,36         0,5         0,025         5         3/16"         1500           01170097         11         -0,43         0,7         0,025         6         1/4"         1750           01170100         12,5         -0,43         0,8         0,030         7         1000           01170118         14         -0,43         0,8         0,030         8         5/16"         1000           01170126         18         -0,43         0,9         0,030         10         3/8"         1000           01170134         20,5         -0,52         1         0,030         12         500         500           01170150         24         -0,52         1         0,030         14         9/16"         400           01170169         26         -0,52         1,2         0,035         16         5/8"         500

Material specifications:

SPRING STEEL HrC 36÷43 (HV 350-425)

Surface treatment:

Anti-rust oil-dipped





