



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 the anti-vibration characteristic, 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.

Form V is recommended for use when the head of the bolt is at 90° to the vertical axis.

The permanent inclination of the teeth, which are superimposed one upon the other around the circumference of the

MATERIAL: Spring steel
HARDNESS: HV 350 ÷425 / HRC 36 ÷43
FINISH: Anti-rust oil-dipped

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 incrustated in the head of the bolt or screw, forming an immobile unit resistant to loosening.

Ø Application mm	Part Number	d	D	S	Box Quantity	Outer Box Quantity
3	01190043	3,20 +0,18-0	6,00 +0-0,30	0,20 ± 0,015	4.000	64.000
4	01190060	4,30 +0,18-0	8,00 +0-0,36	0,25 ± 0,015	3.500	56.000
5	01190078	5,30 +0,18-0	9,80 +0-0,36	0,30 ± 0,020	2.500	40.000
6	01190086	6,40 +0,20-0	11,80 +0-0,40	0,40 ± 0,020	1.250	10.000
8	01190094	8,40 +0,20-0	15,30 +0-0,43	0,40 ± 0,020	1.250	10.000
10	01190107	10,50 +0,27-0	19,00 +0-0,43	0,50 ± 0,025	1.000	8.000
12	01190115	13,00 +0,27-0	23,00 +0-0,52	0,50 ± 0,025	500	4.000
14	01190123	15,00 +0,27-0	26,20 +0-0,52	0,60 ± 0,025	400	3.200
16	01190131	17,00 +0,27-0	30,20 +0-0,52	0,60 ± 0,025	250	2.000