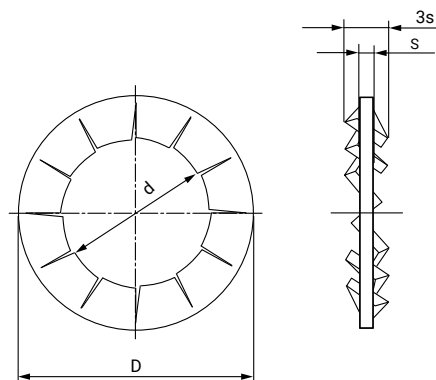
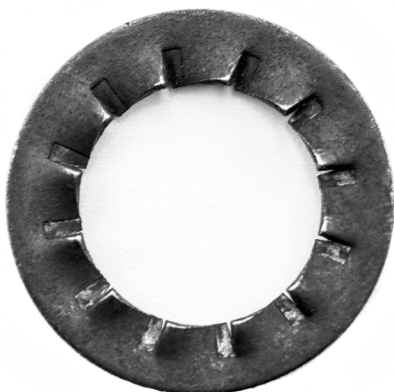




External tooth lock washers manufactured according to DIN 6798 allow the immobilization of fasteners such as bolts and screws which are subject to vibrations while maintaining uniform tightening torque in any mechanical electrical or electronic application. In addition to the anti-vibration characteristic, this washer also improves the quality of electrical circuits as each of the inner 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 J is particularly recommended when the angle of the internal chamfer of the head of the bolt or screw is pronounced and in all cases where head is smaller than the diameter of the washer.

This washer should also be used when the surface of the fastener is irregular or convex.

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

MATERIAL: Spring steel
C60S (C60)
EN 10132-1/4 (DIN 17222)

FINISH: Anti-rust oil-dipped

HARDNESS: HV 350 ÷ 425 / HRC 36 ÷ 43

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	01180058	3,2 +0,18 -0	6,0 +0 -0,30	0,4 ± 0,020	5.000	80.000
4	01180074	4,3 +0,18 -0	8,0 +0 -0,36	0,5 ± 0,025	2.500	40.000
5	01180082	5,1 +0,18 -0	9,0 +0 -0,36	0,5 ± 0,025	1.750	28.000
6	01180090	6,4 +0,22 -0	11,0 +0 -0,43	0,7 ± 0,030	2.000	16.000
7	01180103	7,4 +0,22 -0	12,5 +0 -0,43	0,8 ± 0,030	1.250	20.000
8	01180111	8,2 +0,22 -0	14,0 +0 -0,43	0,8 ± 0,030	1.000	16.000
10	01180120	10,5 +0,27 -0	18,0 +0 -0,43	0,9 ± 0,030	1.000	8.000
12	01180138	13,0 +0,27 -0	20,5 +0 -0,52	1,0 ± 0,030	750	6.000
13	01180146	13,2 +0,27 -0	22,0 +0 -0,52	1,0 ± 0,030	500	4.000
14	01180154	15,0 +0,27 -0	24,0 +0 -0,52	1,0 ± 0,030	500	4.000
16	01180162	17,0 +0,27 -0	26,0 +0 -0,52	1,2 ± 0,035	500	4.000
18	01180170	19,0 +0,33 -0	30,0 +0 -0,52	1,4 ± 0,035	500	4.000
20	01180189	21,0 +0,33 -0	33,0 +0 -0,62	1,4 ± 0,035	250	2.000
22	01180197	23,0 +0,33 -0	36,0 +0 -0,62	1,5 ± 0,035	200	4.000