DIN 6798 Serrated lock washer with internal teeth Form J

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 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 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.

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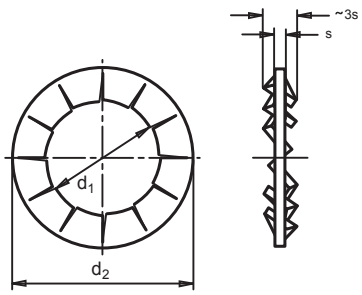
Diameter d_1	Part nº Form "J"	d_2		s ±		For metric bolt M.	Whitworth equivalent W.	Box quantity	Outer box quantity
3,2	01180058	6	-0,3	0,4	0,020	3	1/8"	5000	64000
4,3	01180074	8	-0,36	0,5	0,025	4	5/35"	2500	40000
5,1	01180082	9	-0,36	0,5	0,025	5	3/16"	1750	28000
6,4	01180090	11	-0,43	0,7	0,030	6		2000	16000
7,4	01180103	12,5	-0,43	0,8	0,030	7	5/32"	1250	20000
8,2	01180111	14	-0,43	0,8	0,030	8	5/16"	1000	16000
10,5	01180120	18	-0,43	0,9	0,030	10	3/8"	1000	8000
13	01180138	20,5	-0,52	1	0,030	12		750	6000
13,2	01180146	22	-0,52	1	0,030		1/2"	600	4800
14	01180154	24	-0,52	1	0,030	14		500	4000
17	01180162	26	-0,52	1,2	0,030	16	5/8"	500	4000
19	01180170	30	-0,52	1,4	0,035	18		350	2800
21	01180189	33	-0,62	1,4	0,035	20		250	2000
23	01180197	36	-0,62	1,5	0,035	22		200	4000

Material specifications:

SPRING STEEL
HrC 36÷43 (HV 350-425)

Surface treatment:

Anti-rust oil-dipped