



## Toothed lock washer internal teeth 内齿锁紧垫圈

- DIN6797J
- ASME B18.21.1, Type J.



### Product introduction

An internal tooth lock washer has teeth that extend radially inward to bite into the bearing surface. The internal tooth lock washer is designed to prevent a nut or bolt head from loosening with the strut action set up by the teeth. The teeth, also, absorb shock and vibration. The teeth abrade the grounding surface in electrical grounding applications to improve the electrical connection.

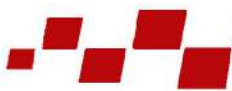
### Features

- Work best with smaller screw heads.
- Use where appearance warrants that teeth be hidden

### Product application:

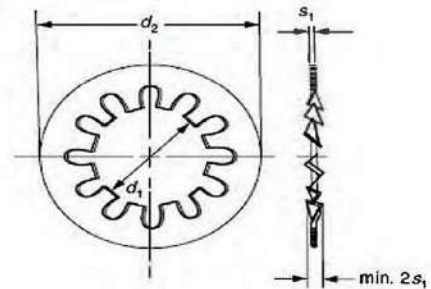
Used in conjunction with bolts or nuts to reduce friction and prevent loosening or dispersing pressure. After hardening, the angled tooth surface will play a better locking role. It is widely used in equipment manufacturing, engineering machinery, agricultural machinery, power transmission and distribution, shipbuilding and other industrial equipment





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DIN 6797J External Tooth Lock Washer

For screw with metric thread	d(mm)	dc(mm)	S(mm)	Number of teeth	Kg/1000pcs
M1.6	2.2-2.34	4.2-4.5	0.3	6	0.04
M2.5	2.7-2.84	5.2-5.5	0.4	6	0.045
M3	3.2-3.38	5.7-6	0.4	6	0.045
M3.5	3.7-3.88	6.64-7	0.5	6	0.085
M4	4.3-4.48	7.64-8	0.5	8	0.1
M5	5.3-5.48	9.64-10	0.6	8	0.2
M6	6.4-6.62	10.57-11	0.7	8	0.25
M7	7.4-7.62	12.07-12.5	0.8	8	0.35
M8	8.4-8.62	14.57-15	0.8	8	0.55
M10	10.5-10.77	17.57-18	0.9	9	0.9
M12	13-13.27	19.98-20.5	1	10	1.2
M14	15-15.27	23.48-24	1	10	1.9
M16	17-17.27	25.48-26	1.2	12	2.4
M18	19-19.33	29.48-30	1.4	12	3.7
M20	21-21.33	32.38-33	1.4	12	4.1
M22	23-23.33	35.38-36	1.5	14	6
M24	25-25.33	37.38-38	1.5	14	6.5
M27	28-28.33	43.38-44	1.6	14	8.5
M30	31-31.39	47.38-48	1.6	14	9.5

Note: Product design hardness is

Spring steel S60C / 60Si2MnA / 50CrVA

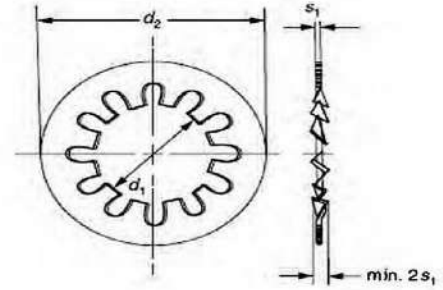
surface treatment blackened / black / mechanical galvanized / dacromet / Geomet etc.

Stainless steel SUS301 / 304 / 316, 17-7PH hardened polished natural color treatment;



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- DIN6797J
- ASME B18.21.1, Type A.



Nominal washer Size	A		B		C	
	Inside Diameter		Outside Diameter		Thickness	
	Max	Min	Max	Min	Max	Min
#3	_095	_089	_200	_175	_016	_010
#3	_109	_102	_232	_215	_016	_010
#4	_129	_115	_270	_245	_018	_012
#5	_136	_129	_280	_255	_020	_014
#6	_150	_141	_295	_275	_022	_016
#8	_176	_168	_340	_325	_023	_018
#10	_204	_195	_381	_365	_024	_018
#12	_231	_221	_410	_394	_027	_020
1/4	_267	_256	_478	_460	_028	_023
5/16	_332	_320	_610	_594	_034	_028
3/8	_398	_384	_692	_670	_040	_032
7/16	_464	_448	_789	_740	_040	_032
1/2	_530	_512	_900	_867	_045	_037
9/16	_596	_576	_985	_957	_045	_037
5/8	663	_640	1.071	1.045	_050	_042
3/4	_795	_769	1.245	1.220	_055	_047
7/8	_927	_894	1.410	1.364	_060	_052
1	1.060	1.019	1.637	1.590	_067	_059
1-1/8	1.192	1.144	1.830	1.799	_067	_059
1-1/4	1.325	1.275	1.975	1.921	_067	_059

Note: Product design hardness is

Spring steel S60C/ 60Si2MnA / 50CrVA

surface treatment blackened / black / mechanical galvanized / dacromet / Geomet etc.

Stainless steel SUS301 / 304 / 316,1 7-7PH hardened polished natural color treatment;

