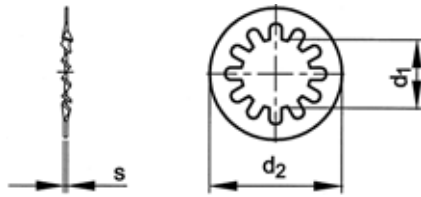
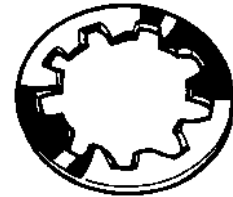


## Toothed lock washer internal teeth



DIN 6797 J  
NEN 2451



### Technical data

For nom.size	d <sub>1</sub>	d <sub>2</sub>	s
M2	2,2	4,5	0,3
M2,3 (#DIN)	2,5	5	0,4
M2,5	2,7	5,5	0,4
M3	3,2	6	0,4
M4	4,3	8	0,5
M5	5,3	10	0,6
M6	6,4	11	0,7
M8	8,4	15	0,8
M10	10,5	18	0,9
M12	13	20,5	1
M14	15	24	1
M16	17	26	1,2
M18	19	30	1,4
M20	21	33	1,4
M22	23	36	1,5
M24	25	38	1,5
M27	28	44	1,6
M30	31	48	1,6

- The main purpose of toothed lock washers is to permit the flow of electric current between components coated by varnish, anti-corrosive agents or similar materials, the bend ends of the washers piercing the coating when such components are joined. Where such washers are intended to keep fasteners of a low property class from working loose, their effectiveness shall be checked for the application concerned.
- Suitable for bolts and nuts with widths across flats smaller than normal and when due to the appearance the teeth are wanted on the internal side.

### Article groups

Material	Packaging	Code	Page
Spring steel 350-425 HV10	Standard	37320	7-60
St.St. A2	Standard	51458	7-60

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37320 Toothed lock washer internal teeth		L07D
<b>Material</b>	Spring steel 350-425 HV10	
<b>Packaging</b>	Standard	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	500	<a href="#">37320.030.001</a>	M6	250	<a href="#">37320.060.001</a>	M12	200	<a href="#">37320.120.001</a>
M4	500	<a href="#">37320.040.001</a>	M8	200	<a href="#">37320.080.001</a>	M16	100	<a href="#">37320.160.001</a>
M5	250	<a href="#">37320.050.001</a>	M10	200	<a href="#">37320.100.001</a>	M20	100	<a href="#">37320.200.001</a>

- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

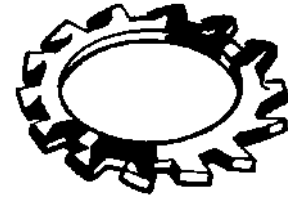
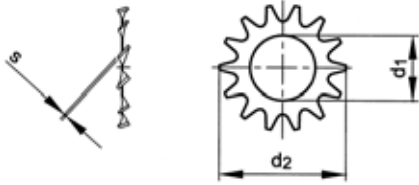
51458 Toothed lock washer internal teeth		R09A
<b>Material</b>	Stainless steel A2	
<b>Packaging</b>	Standard	
	DIN ≈6797 J NEN ≈2451	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M2 *	1000	<a href="#">51458.020.001</a>	M8	200	<a href="#">51458.080.001</a>	M20	100	<a href="#">51458.200.001</a>
M2,3 *	1000	<a href="#">51458.023.001</a>	M10	200	<a href="#">51458.100.001</a>	M22 *	200	<a href="#">51458.220.001</a>
M3	200	<a href="#">51458.030.001</a>	M12	100	<a href="#">51458.120.001</a>	M24 *	200	<a href="#">51458.240.001</a>
M4	200	<a href="#">51458.040.001</a>	M14	100	<a href="#">51458.140.001</a>	M27 *	100	<a href="#">51458.270.001</a>
M5	200	<a href="#">51458.050.001</a>	M16	100	<a href="#">51458.160.001</a>	M30 *	100	<a href="#">51458.300.001</a>
M6	200	<a href="#">51458.060.001</a>	M18 *	200	<a href="#">51458.180.001</a>			

- The austenetic steel type is at the manufacturer's discretion, and can vary from the steel types stated in DIN 267-11

## Toothed lock washer external teeth

DIN 6797 A  
NEN 2450



### Technical data

For nom.size	d <sub>1</sub>	d <sub>2</sub>	s
M2	2,2	4,5	0,3
M2,3 (#DIN)	2,5	5	0,4
M2,5	2,7	5,5	0,4
M3	3,2	6	0,4
M3,5	3,7	7	0,5
M4	4,3	8	0,5
M5	5,3	10	0,6
M6	6,4	11	0,7
M7	7,4	12,5	0,8
M8	8,4	15	0,8
M10	10,5	18	0,9
M12	13	20,5	1
M14	15	24	1
M16	17	26	1,2
M18	19	30	1,4
M20	21	33	1,4
M22	23	36	1,5
M24	25	38	1,5
M27	28	44	1,6
M30	31	48	1,6

- The main purpose of toothed lock washers is to permit the flow of electric current between components coated by varnish, anti-corrosive agents or similar materials, the bend ends of the washers piercing the coating when such components are joined. Where such washers are intended to keep fasteners of a low property class from working loose, their effectiveness shall be checked for the application concerned.
- Suitable for bolts and nuts with normal widths across flats.

### Article groups

Material	Surface treatment	Packaging	Code	Page
Spring steel 350-425 HV10		Standard	37300	7-61
Spring steel 350-425 HV10	Zipl	Standard	37302	7-61
St.St. A2		Standard	51456	7-62

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37300 Toothed lock washer external teeth		L07D
Material	Spring steel 350-425 HV10	
Packaging	Standard	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	500	<a href="#">37300.030.001</a>	M8	200	<a href="#">37300.080.001</a>	M16	100	<a href="#">37300.160.001</a>
M4	500	<a href="#">37300.040.001</a>	M10	200	<a href="#">37300.100.001</a>	M20	100	<a href="#">37300.200.001</a>
M5	250	<a href="#">37300.050.001</a>	M12	200	<a href="#">37300.120.001</a>	M24	50	<a href="#">37300.240.001</a>
M6	250	<a href="#">37300.060.001</a>	M14	100	<a href="#">37300.140.001</a>			

- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

37302 Toothed lock washer external teeth		L07D
Material	Spring steel 350-425 HV10	
Surface treatment	Zinc plated	
Packaging	Standard	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M3	500	<a href="#">37302.030.001</a>	M5	250	<a href="#">37302.050.001</a>	M8	200	<a href="#">37302.080.001</a>
M4	500	<a href="#">37302.040.001</a>	M6	250	<a href="#">37302.060.001</a>	M10	200	<a href="#">37302.100.001</a>

**37302 Toothed lock washer external teeth** ←

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M12		200 <a href="#">37302.120.001</a>	M16		200 <a href="#">37302.160.001</a>	M24		50 <a href="#">37302.240.001</a>
M14		100 <a href="#">37302.140.001</a>	M20		100 <a href="#">37302.200.001</a>			

**51456 Toothed lock washer external teeth** R09A

<b>Material</b>	Stainless steel A2	
<b>Packaging</b>	Standard	
	DIN ≈6797A	
	NEN ≈2450	

For nom. size	☒	Art.number	For nom. size	☒	Art.number	For nom. size	☒	Art.number
M2 *		1000 <a href="#">51456.020.001</a>	M6		200 <a href="#">51456.060.001</a>	M18 *		200 <a href="#">51456.180.001</a>
M2.3 *		1000 <a href="#">51456.023.001</a>	M7 *		1000 <a href="#">51456.070.001</a>	M20		100 <a href="#">51456.200.001</a>
NO.3 *		1000 <a href="#">51456.025.001</a>	M8		200 <a href="#">51456.080.001</a>	M22 *		200 <a href="#">51456.220.001</a>
M3		200 <a href="#">51456.030.001</a>	M10		200 <a href="#">51456.100.001</a>	M24 *		200 <a href="#">51456.240.001</a>
NO.6 *		1000 <a href="#">51456.035.001</a>	M12		100 <a href="#">51456.120.001</a>	M27 *		100 <a href="#">51456.270.001</a>
M4		200 <a href="#">51456.040.001</a>	M14 *		500 <a href="#">51456.140.001</a>	M30 *		100 <a href="#">51456.300.001</a>
M5		200 <a href="#">51456.050.001</a>	M16		100 <a href="#">51456.160.001</a>			

- The austenetic steel type is at the manufacturer's discretion, and can vary from the steel types stated in DIN 267-11.