

Spring lock washers

for screw and washer assemblies

DIN 6905

Federringe für Kombi-Schrauben

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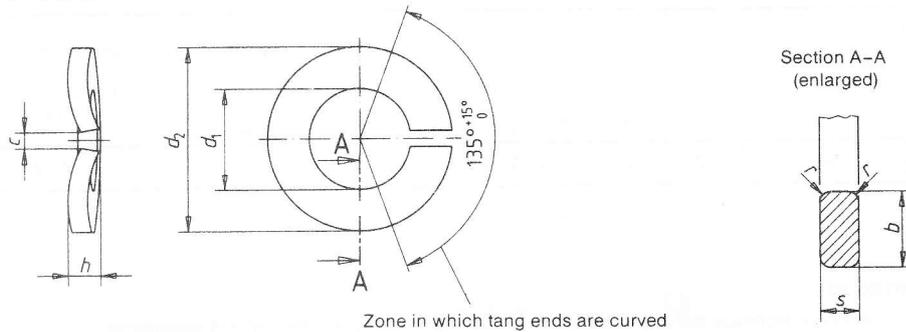
In keeping with current practice in standards published by the International Organization for Standardization (ISO), a comma has been used throughout as the decimal marker.

Dimensions in mm

1 Scope and field of application

Spring lock washers as specified in this standard are intended for use with screw and washer assemblies as specified in DIN 6900 Part 3. They are designed for use with bolted connections with bolts of a property class below 8.8 (as specified in ISO 898 Part 1). Spring lock washers are intended to counteract loosening of such connections (e.g. as a result of setting) (cf. DIN 267 Part 26). They do not effectively prevent loosening of the connection under varying radial load and are thus designed for use with short screws predominantly subject to thrust.

2 Dimensions



$$c \leq 0,9 s_{\min}$$

Spring lock washers may be used both for bolts with right-hand and with left-hand thread.

Table.

Nom- inal size	d_1		d_2 max.	Nom- inal size	b		s			h		r ≈	Approx. mass (7,85 kg/dm ³), per 1000 units, in kg	For thread size ²⁾
	min. = nom- inal size	max.			min.	max.	Nom- inal size	min.	max.	min.	max.			
2,25	2,25	2,35	4,55	1	0,9	1,1	0,6	0,5	0,7	0,9	1,1	0,1	0,06	M2,5
2,7	2,7	2,8	5,6	1,3	1,2	1,4	0,7	0,6	0,8	1,1	1,3	0,1	0,09	M3
3,2	3,2	3,3	6,1	1,3	1,2	1,4	0,7	0,6	0,8	1,1	1,3	0,1	0,10	M3,5
3,6	3,6	3,75	6,95	1,5	1,4	1,6	0,8	0,7	0,9	1,2	1,4	0,2	0,15	M4
4,55	4,55	4,75	8,55	1,8	1,7	1,9	1	0,9	1,1	1,5	1,7	0,2	0,30	M5
5,5	5,5	5,7	11	2,5	2,35	2,65	1,3	1,2	1,4	2	2,2	0,3	0,64	M6
7,4	7,4	7,65	13,95	3	2,85	3,15	1,6	1,5	1,7	2,45	2,75	0,5	1,23	M8
9,3	9,3	9,55	16,95	3,5	3,3	3,7	1,8	1,7	1,9	2,85	3,15	0,5	2,00	M10
11 ¹⁾	11	11,3	19,7	4	3,8	4,2	2,1	1,95	2,25	3,35	3,65	1	3,10	M12

1) For this size, no specifications have been made for the residual spring force in DIN 267 Part 26.

2) As specified in DIN 267 Part 26.

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