

Curved spring washers

for screw and washer assemblies

DIN 6904

Federscheiben für Kombi-Schrauben

Supersedes December 1972 edition

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

Curved spring washers as specified in this standard are intended for use with screw and washer assemblies as specified in DIN 6900 Part 2. They are designed for use with bolted connections with bolts of a property class below 5.8 (as specified in ISO 898 Part 1). Curved spring 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

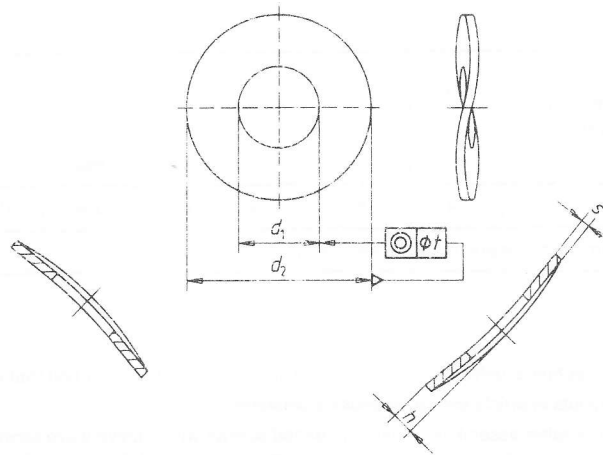


Table.

Nominal size	d_1 ³⁾		d_2 ³⁾		s			h		t $\frac{1}{2}$ IT 14	Approximate mass (7,85 kg/dm ³), per 1000 units, in kg	For thread size ⁴⁾
	min. = nom- inal size	max.	max. = nom- inal size	min.	Nom- inal size	min.	max.	min.	max.			
2,25 ^{1) 2)}	2,25	2,35	7	6,78	0,5	0,45	0,55	0,9	1,05	0,18	0,13	M2,5
2,7 ¹⁾	2,7	2,8	8	7,78	0,5	0,45	0,55	0,9	1,05	0,18	0,17	M3
3,2 ¹⁾	3,2	3,32	8	7,78	0,5	0,45	0,55	1	1,15	0,18	0,16	M3,5
3,6	3,6	3,72	9	8,78	0,8	0,74	0,86	1,5	1,65	0,18	0,34	M4
4,55	4,55	4,67	11	10,73	0,8	0,74	0,86	1,6	1,75	0,215	0,49	M5
5,4	5,4	5,52	12	11,73	0,8	0,74	0,86	1,85	2	0,215	0,57	M6
7,3	7,3	7,45	15	14,73	1	0,93	1,07	2,2	2,4	0,215	1,06	M8
9,2	9,2	9,35	21	20,67	1	0,93	1,07	2,4	2,6	0,26	2,20	M10

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

²⁾ For this size, no specifications have been made for permanent set in DIN 267 Part 26.

³⁾ The tolerances specified apply to the washer in the flat-pressed condition.

⁴⁾ As specified in DIN 267 Part 26.

Continued on page 2