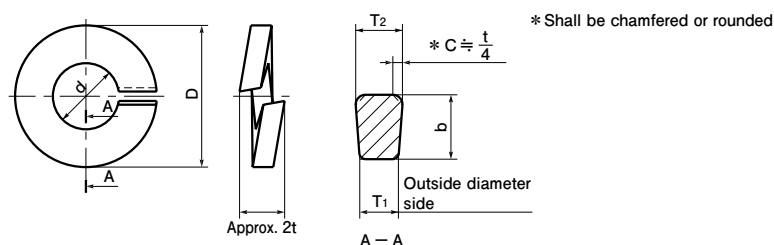


Shape and dimensions of spring lock washers for general purpose (No.2) and for heavy load (No.3)



Unit: mm

Type	Dimensions of spring lock washers for general purpose (No.2)					Dimensions of spring lock washers for heavy load (No.3)				
Nominal Diameter	Inside diameter d		Section size (Min.)		Outside diameter D (Max.)	Inside diameter d		Section size		Outside diameter D (Max.)
	Basic Dimension	Allowance	Breadth b	Thickness t ⁽¹⁾		Basic Dimension	Allowance	Breadth b	Thickness t ⁽¹⁾	
2	2.1	+0.25 0	0.9	0.5	4.4	—	—	—	—	—
2.5	2.6	+0.3 0	1	0.6	5.2					
3	3.1		1.1	0.7	5.9					
(3.5)	3.6	+0.4 0	1.2	0.8	6.6					
4	4.1		1.4	1	7.6					
(4.5)	4.6		1.5	1.2	8.3					
5	5.1		1.7	1.3	9.2					
6	6.1	+0.5 0	2.7	1.5	12.2	6.1	+0.4 0	2.7	1.9	12.2
(7)	7.1		2.8	1.6	13.4	7.1		2.8	2.0	13.4
8	8.2	+0.6 0	3.2	2	15.4	8.2	+0.5 0	3.3	2.5	15.6
10	10.2		3.7	2.5	18.4	10.2		3.9	3.0	18.8
12	12.2	+0.8 0	4.2	3	21.5	12.2	+0.6 0	4.4	3.6	21.9
(14)	14.2		4.7	3.5	24.5	14.2		4.8	4.2	24.7
16	16.2	+1.0 0	5.2	4	28	16.2	+0.8 0	5.3	4.8	28.2
(18)	18.2		5.7	4.6	31	18.2		5.9	5.4	31.4
20	20.2	+1.2 0	6.1	5.1	33.8	20.2	+1.0 0	6.4	6.0	34.4
(22)	22.5		6.8	5.6	37.7	22.5		7.1	6.8	38.3
24	24.5	+1.4 0	7.1	5.9	40.3	24.5	+1.2 0	7.6	7.2	41.3
(27)	27.5		7.9	6.8	45.3	27.5		8.6	8.3	46.7
30	30.5	—	8.7	7.5	49.9	—	—	—	—	—
(33)	33.5		9.5	8.2	54.7					
36	36.5		10.2	9	59.1					
(39)	39.5		10.7	9.5	63.1					

(1) $t = \frac{T_1 + T_2}{2}$ in which case $T_2 - T_1$ must be 0.064b or lower. However, b shall be min. value specified in this table.

Remark: Use of parenthesized nominal diameter of thread should be discouraged.

• Types of washers

Type	Symbol	Applicable thread parts
General purpose	No.2	General purpose bolts, small screws and nuts
For heavy load	No.3	General purpose bolts and nuts