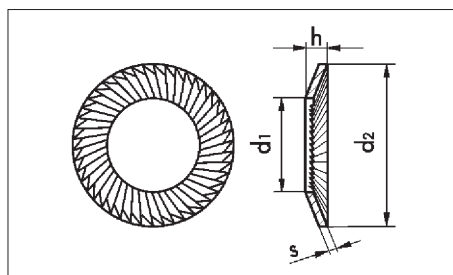


# LOCK WASHERS

## Type S



**Spring steel, bare**  
**Spring steel, galvanized, blue passivated (A2K)**  
**\* Mechanically galvanized (24 mm dia. and up)**  
**Stainless steel A2**

Thanks to the disk spring shape, an optimum friction fit with simultaneous form fit via the helical gearing is achieved. Primarily in the case of short screws and loads which are vertical to the screw axis, it makes sense in many cases to secure the connection against loosening by itself using lock washers as a supplement to the pre-tensioning force.

Thread dia.		d <sub>1</sub> in mm	d <sub>2</sub> in mm	s in mm	h in mm	Bare steel Art. No.	P. Qty.	Galv. steel, blue pass. Art. No.	P. Qty.	A2 Art. No.	P. Qty.
Metric	Standard										
M2.5		2.7	4.8	0.45	0.9	<b>0493 25</b>	2,000	<b>0493 025</b>	2,000	<b>0404 801 026</b>	300
M3	1/8"	3.2	5.5	0.45	0.9	<b>0493 3</b>	300	<b>0493 03</b>	300/1,000	<b>0404 801 030</b>	300
M4	5/32"	4.3	7	0.5	1.0	<b>0493 4</b>	300/1,000	<b>0493 04</b>	300/1,000	<b>0404 801 040</b>	300
M5	3/16"	5.3	9	0.6	1.1	<b>0493 5</b>	300/1,000	<b>0493 05</b>	300/1,000	<b>0404 801 050</b>	300
M6		6.4	10	0.7	1.2	<b>0493 6</b>	300/1,000	<b>0493 06</b>	300/1,000	<b>0404 801 060</b>	300
	1/4"	6.7	9.5	0.7	1.2	<b>0493 635</b>	1,000	<b>0493 063 5</b>	1,000		
M7		7.4	12	0.7	1.3	<b>0493 7</b>	100				
M8	5/16"	8.4	13	0.8	1.4	<b>0493 8</b>	100	<b>0493 08</b>	100/1,000	<b>0404 801 080</b>	100
M10	3/8"	10.5	16	1	1.6	<b>0493 10</b>	100	<b>0493 010</b>	100/1,000	<b>0404 801 100</b>	100
M12		13	18	1.1	1.7	<b>0493 12</b>	100	<b>0493 012</b>	100	<b>0404 801 120</b>	100
	1/2"	13.7	19	1.1	1.8	<b>0493 127</b>	500	<b>0493 012 7</b>	500	<b>0404 801 127</b>	500
M14	9/16"	15	22	1.2	2.0	<b>0493 14</b>	100	<b>0493 014</b>	100	<b>0404 801 140</b>	500
M16	5/8"	17	24	1.3	2.1	<b>0493 16</b>	100	<b>0493 016</b>	100	<b>0404 801 160</b>	100
M18		19	27	1.5	2.3	<b>0493 18</b>	100	<b>0493 018</b>	100	<b>0404 801 180</b>	250
M20		21	30	1.5	2.5	<b>0493 20</b>	50	<b>0493 020</b>	50	<b>0404 801 200</b>	50
M22	7/8"	23	33	1.5	2.7	<b>0493 22</b>	100	<b>0493 022</b>	100	<b>0404 801 220</b>	100
M24		25.6	36	1.8	2.9	<b>0493 24</b>	50	<b>0493 024*</b>	50	<b>0404 801 240</b>	100
M27		28.6	39	2	3.1	<b>0493 27</b>	100	<b>0493 027*</b>	100	<b>0404 801 270</b>	100
M30	1 1/8"	31.6	45	2	3.6	<b>0493 30</b>	100	<b>0493 030*</b>	100	<b>0404 801 300</b>	100

\*Mechanically galvanized

Can be stored in ORSY® system



### ORSY® 100 Assortment

**Art. No. 0964 049 30**

Contents: 1,220 lock washers of type S, galvanized steel, for M3/M4/M5/M6/M8/M10/M12/M14/M16/M18/M20/M24

**Art. No. 0964 040 480**

Contents: 1,225 lock washers of type S, stainless steel A2, for M3/M4/M5/M6/M8/M10/M12/M16