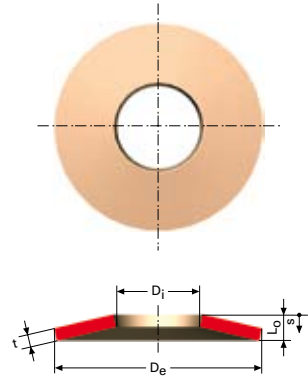




TENSIONING WASHER

SB, DIN 6796



Heavy duty lock washer

Compliant with DIN 6796, our tensioning washers are robustly dimensioned and designed for use in medium or high load screw joints. The high spring force affords effective protection against relaxation and creep when joints are exposed to high stresses and movements resulting from thermal expansion or contraction. In such instances, tensioning washers replace conventional lock washers.

Tensioning washers can be stacked in series and/or parallel. Used like disc springs. Series stacking increases the available deflection of the spring stack and parallel stacking increases the force. The desired installation is as near flat as possible. Spring force as below.

If required, untreated spring washers can also be supplied direct from the factory. Spring washers in custom sizes and special materials, e.g. stainless, acid proof, phosphor bronze or Nimonic 90, can be produced upon request.

All dimensions are in mm

D_i = Inner diameter, tolerance H14

D_e = Outer diameter, tolerance h14

L_0 = Free height

L_1 = Height at force F

t = Material thickness

F = Spring force in Newtons

Material: CK 67

Finish: Mechanically galvanised and yellow chromated

1 kp = 9.80665 Newtons, 1 Newton = 0.10197 kp

Size	D_i	D_e	L_0	L_1	t	F	Weight kg/1000 pcs	Cat.no
2	2,2	5	0,6	0,5	0,4	628	0,05	4664
2,5	2,7	6	0,72	0,61	0,5	946	0,09	4665
3	3,2	7	0,85	0,72	0,6	1320	0,14	4666
3,5	3,7	8	1,06	0,92	0,8	2410	0,25	4667
4	4,3	9	1,3	1,12	1	3770	0,38	4668
5	5,3	11	1,55	1,35	1,2	5480	0,69	4669
6	6,4	14	2	1,7	1,5	8590	1,43	4670
7	7,4	17	2,3	2	1,75	11300	2,53	4671
8	8,4	18	2,6	2,24	2	14900	3,13	4672
10	10,5	23	3,2	2,8	2,5	22100	6,45	4673
12	13	29	3,95	3,43	3	34100	12,4	4674
16	17	39	5,25	4,58	4	59700	30,4	4675
18	19	42	5,8	5,08	4,5	74400	38,9	4676
20	21	45	6,4	5,6	5	93200	48,8	4677
24	25	56	7,75	6,77	6	131000	929	4678
27	28	60	8,35	7,3	6,5	154000	113	4679
30	31	70	9,2	8	7	172000	170	4680