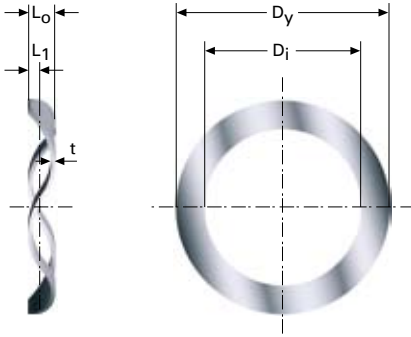


WAVE SPRING WASHERS

VB



Wave spring washers have a restricted spring capacity and are primarily used to eliminate axial play, e.g. against a bearing. D_y 4.65–7.75 mm has two waves, others have three.

Diameter dimensions quoted are in mm and with the washer flat.

D_y = Outer diameter

D_i = Inner diameter

L_0 = Unloaded length

t = Thickness

L_1 = Loaded length

F_n = Spring force in Newtons at L_1

Material: % Stainless spring steel
EN 10270-3-1.4310,
Other CK 67

Finish: Untreated

1 kp = 9.80665 Newtons, 1 Newton = 0.10197 kp

D_y	D_i	t	L_0	L_1	F_1	Cat. no.
4,65	3,4	0,09	0,58	0,3	1–2	7435
6,15	4,92	0,14	0,76	0,38	2–4	7436
7,75	6,17	0,17	0,76	0,38	2–4	7437
9,32	6,73	0,15	0,76	0,38	9–18	7438
12,29	10,08	0,23	0,74	0,51	13–22	7439
12,5	8,89	0,18	0,89	0,51	13–22	7440
15,44	11,66	0,2	0,94	0,64	13–22	7441
15,7	11,18	0,2	1,02	0,64	13–22	7442
18,57	14,94	0,23	1,19	0,76	13–22	7443
18,64	13,49	0,23	1,27	0,76	18–31	7444
21,72	16,51	0,25	1,52	0,76	18–31	7445
23,5	18,26	0,25	1,68	0,84	27–40	7446
25,5	19,81	0,27	1,8	0,89	31–44	7447
27,43	21,31	0,29	1,85	0,91	36–53	7448
27,99	21,74	0,30	1,91	0,94	40–58	7449
29,44	22,89	0,33	2,03	1,02	44–62	7450
31,37	24,41	0,36	2,21	1,09	58–76	7451
34,32	26,7	0,38	2,51	1,24	71–89	7452
39,19	30,51	0,43	2,67	1,32	85–102	7453
39,19	30,51	0,51	3,18	1,57	120–156	7454
40,46	31,47	0,46	2,79	1,39	93–120	7455
41,17	32,03	0,47	2,84	1,42	98–125	7456
46,2	35,66	0,51	3,18	1,57	116–151	7457
51,51	40,01	0,56	3,56	1,75	138–174	7458
54,15	42,11	0,58	3,76	1,85	147–191	7459
61,47	47,55	0,64	4,27	2,08	178–223	7460
67,18	52,55	0,71	4,67	2,29	223–285	7461
71,53	55,88	0,76	5	2,47	254–325	7462
79,2	61,47	0,89	5,26	2,64	343–441	7463
84,53	66,12	0,91	5,77	2,84	352–450	7464
89,38	69,60	0,97	5,94	2,95	392–498	7465
99,49	77,39	1,07	6,55	3,25	467–601	7466
109,2	85,6	1,14	7,67	3,76	547–699	7467
117,5	91,74	1,19	8,49	4,11	623–792	7468
126,9	98,81	1,27	9,02	4,37	694–881	7469
137,3	106,8	1,35	9,86	4,75	770–983	7470
147,7	115	1,4	11,2	5,31	850–1081	7471
156,8	122	1,47	11,7	5,59	935–1193	7472
166,4	130	1,55	12,6	5,97	1019–1295	7473
176,4	137,36	1,6	13,6	6,43	1104–1406	7474
186	144	1,65	14,6	6,83	1193–1522	7475