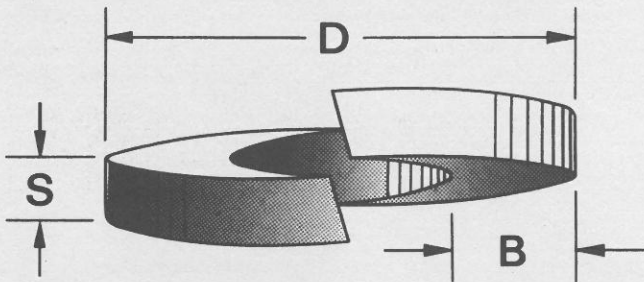


SPRING WASHERS

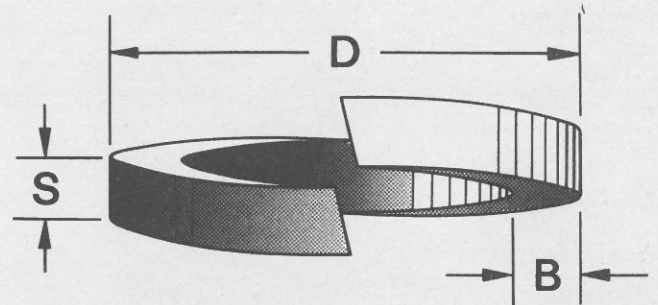
Metric Sizes

Single Coil RECTANGULAR Section
As: DIN 127B, BS 4464 Type B



Nominal Bolt Size mm	Inside Diameter		Width B	Thickness S	Outside Diam (max) D
	Min	Max			
1.6	1.7	1.9	0.7 ± 0.1	0.4 ± 0.1	3.5
2.0	2.1	2.3	0.9 ± 0.1	0.5 ± 0.1	4.3
2.3	2.4	2.6	1.0 ± 0.1	0.6 ± 0.1	4.8
2.6	2.7	2.9	1.0 ± 0.1	0.6 ± 0.1	5.1
3.0	3.1	3.3	1.3 ± 0.1	0.8 ± 0.1	6.1
3.5	3.6	3.8	1.3 ± 0.1	0.8 ± 0.1	6.6
4	4.1	4.35	1.5 ± 0.1	0.9 ± 0.1	7.55
5	5.1	5.35	1.8 ± 0.1	1.2 ± 0.1	9.15
6	6.1	6.4	2.5 ± 0.15	1.6 ± 0.1	11.7
8	8.2	8.55	3 ± 0.15	2 ± 0.1	14.85
10	10.2	10.6	3.5 ± 0.2	2.2 ± 0.15	18
12	12.2	12.6	4 ± 0.2	2.5 ± 0.15	21
14	14.2	14.7	4.5 ± 0.2	3 ± 0.15	24.1
16	16.3	16.9	5 ± 0.2	3.5 ± 0.2	27.3
18	18.3	19.0	5 ± 0.2	3.5 ± 0.2	29.4
20	20.3	21.1	6 ± 0.2	4 ± 0.2	33.5
22	22.4	23.3	6 ± 0.2	4 ± 0.2	35.7
24	24.4	25.3	7 ± 0.25	5 ± 0.2	39.8
27	27.5	28.5	7 ± 0.25	5 ± 0.2	43
30	30.5	31.5	8 ± 0.25	6 ± 0.25	48
33	33.5	34.6	10 ± 0.25	6 ± 0.25	55.1
36	36.5	37.6	10 ± 0.25	6 ± 0.25	58.1

Single Coil SQUARE Section
As: DIN 7980, BS 4464 Type A



Nominal Bolt Size mm	Inside Diameter		Width = Thickness B = S	Outside Diam (max) D
	Min	Max		
2.0	2.1	2.3	0.8 ± 0.05	4.0
2.3	2.4	2.6	0.8 ± 0.05	4.3
2.6	2.7	2.9	0.8 ± 0.05	4.6
3.0	3.1	3.3	1.0 ± 0.1	5.5
3.5	3.6	3.8	1.0 ± 0.1	6.0
4	4.1	4.35	1.2 ± 0.1	6.95
5	5.1	5.35	1.5 ± 0.1	8.55
6	6.1	6.4	1.5 ± 0.1	9.6
8	8.2	8.55	2 ± 0.1	12.75
10	10.2	10.6	2.5 ± 0.15	15.9
12	12.2	12.6	2.5 ± 0.15	17.9
14	14.2	14.7	3 ± 0.2	21.1
16	16.3	16.9	3.5 ± 0.2	24.3
18	18.3	19.0	3.5 ± 0.2	26.4
20	20.3	21.1	4.5 ± 0.2	30.5
22	22.4	23.3	4.5 ± 0.2	32.7
24	24.4	25.3	5 ± 0.2	35.7
27	27.5	28.5	5 ± 0.2	38.9
30	30.5	31.5	6 ± 0.2	43.9
33	33.5	34.6	6 ± 0.2	47.0
36	36.5	37.6	7 ± 0.25	52.1