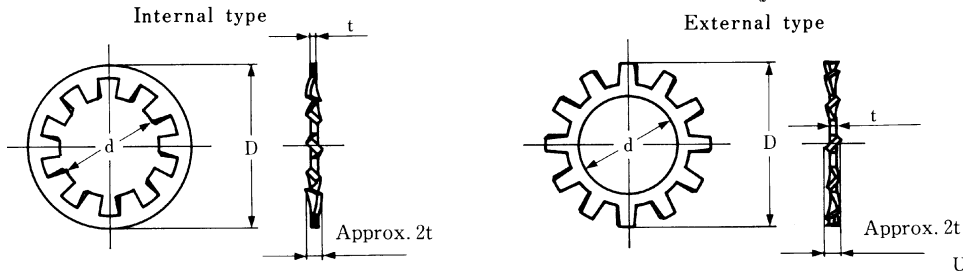


Toothed Lock Washers

(JIS B 1255)

(JAPANESE INDUSTRIAL STANDARD)

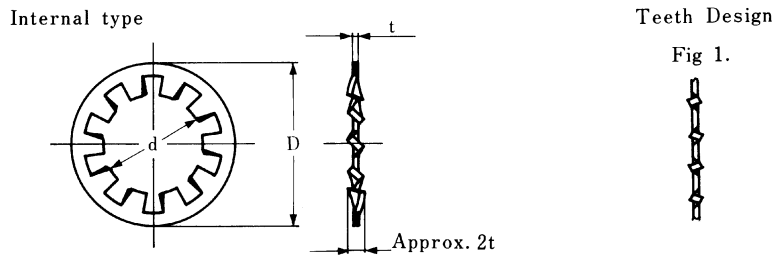


Unit: mm

Size-No.		Screw size		d		D		t		Nos. of Teeth	
Internal	External	mm	Inch	Basic	Tol.	Basic	Tol.	Basic	Tol.	Internal	External
AW-2	BW-2	2	—	2.2	+0.2	4.8	0	0.3	±0.025	7	8
2.3	2.3	2.3	—	2.5	0	5.3	-0.3	0.3	±0.025	7	8
2.5	2.5	2.5(2.6)	—	2.7	—	5.8	—	0.3	—	7	8
3	3	3	—	3.2	—	6.5	0	0.45	±0.035	7	8
3.5	3.5	3.5	—	3.7	—	7.5	-0.4	0.45	±0.035	8	8
4	4	4	—	4.3	—	8.5	—	0.45	±0.035	8	8
4.5	4.5	4.5	—	4.8	—	9.5	—	0.5	±0.035	8	8
5	5	5	—	5.3	—	10	—	0.6	±0.04	8	10
6	6	6	—	6.4	-0.3	11	0	0.6	±0.04	9	12
7	—	7	—	7.4	0	13	-0.5	0.8	±0.05	10	—
8	8	8	—	8.4	—	15	—	0.8	±0.05	9	12
3/8	3/8	—	3/8	9.8	—	17.5	—	0.9	±0.05	9	12
10	10	10	—	10.5	+0.4	18	—	0.9	±0.055	9	12
7/16	7/16	—	7/16	11.4	0	19.5	0	0.9	±0.055	10	12
12	12	12	—	12.5	—	21	-0.6	1	±0.055	10	12
1/2	1/2	—	1/2	13	—	22.5	—	1	±0.055	10	12
14	14	14	—	14.5	—	23	—	1	±0.055	10	12
16	16	16	5/8	16.5	—	26	—	1.2	±0.065	12	14
18	18	18	—	19	-0.5	29	—	1.2	±0.065	12	14
3/4	3/4	—	3/4	19.6	0	32	0	1.2	±0.065	12	14
20	20	20	—	21	—	32	-0.8	1.4	±0.07	12	14
22	22	22	7/8	23	—	35	—	1.4	±0.07	14	16
24	24	24	—	25	—	38	—	1.6	±0.08	14	16
1"	1"	—	1"	26	—	41	—	1.6	±0.08	14	16

●Material=Carbon spring steel. Hardness=HRC40~50. Finish=Zinc plate plus Chromate.

Toothed Lock Washers



Unit: mm

Size-No.	d		D		t		Nos. of Teeth	Design Variation
	Basic	Tol.	Basic	Tol.	Basic	Tol.		
AW-1811	1.9	+0.2	4.5	±0.1	0.25	±0.025	6	
6301	6.6	±0.15	10.2	±0.2	0.5	±0.03	9	
9101	9.1	+0.3	16.5	-0.4	0.9	±0.05	9	
9102	9.1	0	14.8	-0.5	0.5	±0.03	16	
9103	9.4	±0.15	12.9	±0.15	0.5	±0.03	16	
9501	9.9	+0.3	17.3	+0.2	0.9	±0.05	10	
12002	12.2	+0.2	15.2	+0.5	0.5	±0.03	12	
13001	13.1	±0.2	16.3	±0.25	0.6	±0.04	20	Fig 1
28601	29.1	+0.6	46.5	-0.8	1.6	±0.07	16	

●Material=Carbon spring steel. Hardness=HRC40~50. Finish=Zinc plate plus Chromate.