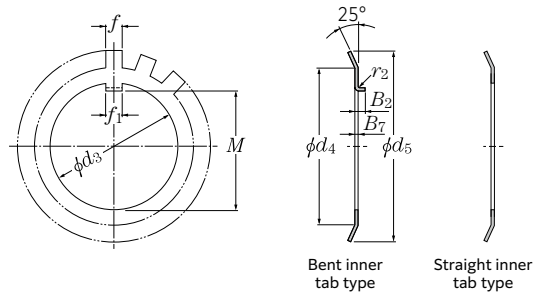


Series AW



Number		Dimensions mm							No. of tabs		Mass kg	
Bent inner tab type	Straight inner tab type	d_3	M	f_1	B_1	f	d_4	d_5	Bent inner tab type		100 pieces (approx.)	
									r_2	B_2		
AW00	AW00X	10	8.5	3	1	3	13.5	21	0.5	3	9	0.131
AW01	AW01X	12	10.5	3	1	3	17	25	0.5	3	11	0.192
AW02	AW02X	15	13.5	4	1	4	21	28	1	3.5	13	0.253
AW03	AW03X	17	15.5	4	1	4	24	32	1	3.5	13	0.313
AW04	AW04X	20	18.5	4	1	4	26	36	1	3.5	13	0.350
AW/22	AW/22X	22	20.5	4	1	4	28	38	1	3.5	13	0.394
AW05	AW05X	25	23	5	1.25	5	32	42	1	3.75	13	0.640
AW/28	AW/28X	28	26	5	1.25	5	36	46	1	3.75	13	0.723
AW06	AW06X	30	27.5	5	1.25	5	38	49	1	3.75	13	0.780
AW/32	AW/32X	32	29.5	5	1.25	5	40	52	1	3.75	13	0.839
AW07	AW07X	35	32.5	6	1.25	5	44	57	1	3.75	15	1.04
AW08	AW08X	40	37.5	6	1.25	6	50	62	1	3.75	15	1.23
AW09	AW09X	45	42.5	6	1.25	6	56	69	1	3.75	17	1.52
AW10	AW10X	50	47.5	6	1.25	6	61	74	1	3.75	17	1.60
AW11	AW11X	55	52.5	8	1.5	7	67	81	1	5.5	17	1.96
AW12	AW12X	60	57.5	8	1.5	7	73	86	1.2	5.5	17	2.53
AW13	AW13X	65	62.5	8	1.5	7	79	92	1.2	5.5	19	2.90
AW14	AW14X	70	66.5	8	1.5	8	85	98	1.2	5.5	19	3.34
AW15	AW15X	75	71.5	8	1.5	8	90	104	1.2	5.5	19	3.56
AW16	AW16X	80	76.5	10	1.8	8	95	112	1.2	5.8	19	4.64
AW17	AW17X	85	81.5	10	1.8	8	102	119	1.2	5.8	19	5.24
AW18	AW18X	90	86.5	10	1.8	10	108	126	1.2	5.8	19	6.23
AW19	AW19X	95	91.5	10	1.8	10	113	133	1.2	5.8	19	6.70
AW20	AW20X	100	96.5	12	1.8	10	120	142	1.2	7.8	19	7.65
AW21	AW21X	105	100.5	12	1.8	12	126	145	1.2	7.8	19	8.26
AW22	AW22X	110	105.5	12	1.8	12	133	154	1.2	7.8	19	9.40
AW23	AW23X	115	110.5	12	2	12	137	159	1.5	8	19	10.8
AW24	AW24X	120	115	14	2	12	138	164	1.5	8	19	10.5
AW25	AW25X	125	120	14	2	12	148	170	1.5	8	19	11.8
AW26	AW26X	130	125	14	2	12	149	175	1.5	8	19	11.3
AW27	AW27X	135	130	14	2	14	160	185	1.5	8	19	14.4
AW28	AW28X	140	135	16	2	14	160	192	1.5	10	19	14.2
AW29	AW29X	145	140	16	2	14	171	202	1.5	10	19	16.8
AW30	AW30X	150	145	16	2	14	171	205	1.5	10	19	15.5
AW31	AW31X	155	147.5	16	2.5	16	182	212	1.5	10.5	19	20.9
AW32	AW32X	160	154	18	2.5	16	182	217	1.5	10.5	19	22.2
AW33	AW33X	165	157.5	18	2.5	16	193	222	1.5	10.5	19	24.1
AW34	AW34X	170	164	18	2.5	16	193	232	1.5	10.5	19	24.7
AW36	AW36X	180	174	20	2.5	18	203	242	1.5	10.5	19	26.8
AW38	AW38X	190	184	20	2.5	18	214	252	1.5	10.5	19	27.8
AW40	AW40X	200	194	20	2.5	18	226	262	1.5	10.5	19	29.3

1) Used for adapter series H31, H2, H32, H3, and H23.
Note: Numbers AW00 and AW01 (bent inner tab type) indicate dimensions that are not indicated in JIS B 1554.
D-12

Bore diameter no. of adapter 1)	(approx.) Nut no.	Shaft dia. mm (for shaft)
—	AN00	10
—	AN01	12
—	AN02	15
—	AN03	17
04	AN04	20
—	AN/22	22
05	AN05	25
—	AN/28	28
06	AN06	30
—	AN/32	32
07	AN07	35
08	AN08	40
09	AN09	45
10	AN10	50
11	AN11	55
12	AN12	60
13	AN13	65
14	AN14	70
15	AN15	75
16	AN16	80
17	AN17	85
18	AN18	90
19	AN19	95
20	AN20	100
21	AN21	105
22	AN22	110
—	AN23	115
24	AN24	120
—	AN25	125
26	AN26	130
—	AN27	135
28	AN28	140
—	AN29	145
30	AN30	150
—	AN31	155
32	AN32	160
—	AN33	165
34	AN34	170
36	AN36	180
38	AN38	190
40	AN40	200

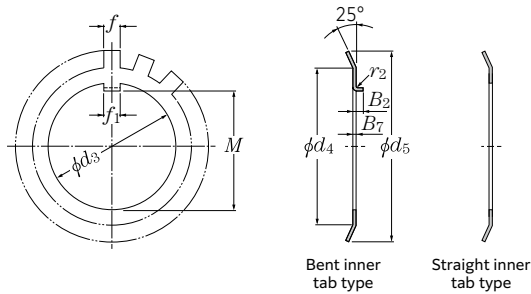
Note: For narrow slit type adapter sleeves that have code suffix "X" after the H2, H3, and H23 series number, use straight inner tab washers. In addition, for wide slit type adapter sleeves that have no suffix "X" after the adapter number, either straight or bent inner tab washers can be used.
D-13

Allowable washer dimensions(bent inner tab type) Unit: mm

Bore dia. of lockwasher d_3 mm	Dimensional tolerance of distance between lockwasher tab to bore diameter face ΔM_s		Dimensional tolerance of lockwasher tab width Δf_s			
	Over	Incl.	Upper	Lower		
10 ¹⁾	50		+0.3	0	0	-0.4
50	80		+0.3	0	0	-1
80	120		+0.5	0	0	-1.4
120	200		+0.5	0	0	-2

1) 10 mm is included in this dimensional division.
Note: The dimensional tolerance in the table also applies to the AWL series bent inner tab type.

Series AWL



Number		Dimensions mm							No. of tabs		Mass kg	Bore diameter no. of adapter ¹⁾	(approx.) Nut no.	Shaft dia. mm (for shaft)
Bent inner tab type	Straight inner tab type	d_3	M	f_1	B_7	f	d_4	d_5	Bent inner tab type r_2	B_2	100 pieces (approx.)			
AWL24	AWL24X	120	115	14	2	12	133	155	1.5	8	19	7.70	24	ANL24 120
AWL26	AWL26X	130	125	14	2	12	143	165	1.5	8	19	8.70	26	ANL26 130
AWL28	AWL28X	140	135	16	2	14	151	175	1.5	10	19	10.9	28	ANL28 140
AWL30	AWL30X	150	145	16	2	14	164	190	1.5	10	19	11.3	30	ANL30 150
AWL32	AWL32X	160	154	18	2.5	16	174	200	1.5	10.5	19	16.2	32	ANL32 160
AWL34	AWL34X	170	164	18	2.5	16	184	210	1.5	10.5	19	19.0	34	ANL34 170
AWL36	AWL36X	180	174	20	2.5	18	192	220	1.5	10.5	19	18.0	36	ANL36 180
AWL38	AWL38X	190	184	20	2.5	18	202	230	1.5	10.5	19	20.5	38	ANL38 190
AWL40	AWL40X	200	194	20	2.5	18	218	250	1.5	10.5	19	21.4	40	ANL40 200

1) Used for adapter series H31, H32, and H23.

Note: For wide slit type adapter sleeves that have no suffix "X" after the adapter number, either straight or bent inner tab washers can be used.