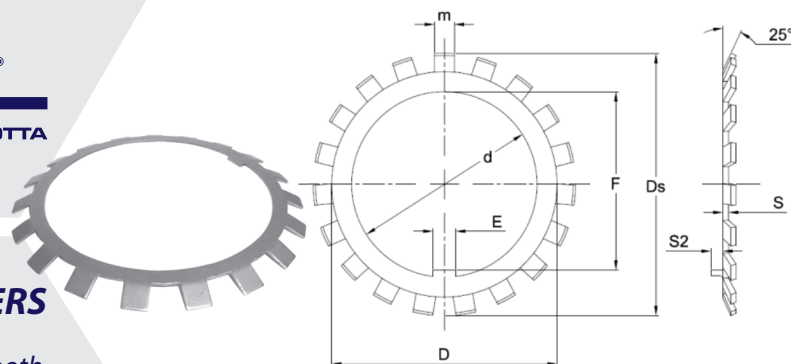


BGL®
BERTOLOTO & GROTTA

LOCK WASHERS AW

Bended Internal Tooth



WASHERS AW

Part Number	d (mm)	Ds (mm)	D (mm)	S (mm)	E (mm)	F (mm)	m (mm)	Weight (Kg)	S2
AW 1	12	25	17	1.00	3	10.5	3	0.02	2
AW 2	15	28	21	1.00	4	13.5	4	0.02	2.5
AW 3	17	32	24	1.00	4	15.5	4	0.02	2.5
AW 4	20	36	26	1.00	4	18.5	4	0.04	2.5
AW 5	25	42	32	1.20	5	23	5	0.05	2.5
AW 6	30	49	38	1.20	5	27.5	5	0.06	2.5
AW 7	35	57	44	1.20	6	32.5	5	0.09	2.5
AW 8	40	62	50	1.20	6	37.5	6	0.01	2.5
AW 9	45	69	56	1.20	6	42.5	6	0.01	2.5
AW 10	50	74	61	1.20	6	47.5	6	0.01	2.5
AW 11	55	81	67	1.50	8	52.5	7	0.02	4
AW 12	60	86	73	1.50	8	57.5	7	0.02	4
AW 13	65	92	79	1.50	8	62.5	7	0.03	4
AW 14	70	98	85	1.50	8	66.5	8	0.03	4
AW 15	75	104	90	1.50	8	71.5	8	0.04	4
AW 23	115	159	137	2.00	12	110.5	12	0.11	6
AW 24	120	164	138	2.00	14	115	12	0.10	6
AW 25	125	170	148	2.00	14	120	12	0.16	6
AW 26	130	175	149	2.00	14	125	12	0.1	6
AW 27	135	185	160	2.00	14	130	14	0.15	6
AW 28	140	192	160	2.00	16	135	14	0.13	8
AW 29	145	202	172	2.00	16	140	14	0.16	8
AW 30	150	205	171	2.00	16	145	14	0.14	8
AW 16	80	112	95	2.00	10	76.5	8	0.05	4
AW 17	85	119	102	2.00	10	81.5	8	0.06	4
AW 18	90	126	108	2.00	10	86.5	10	0.07	4
AW 19	95	133	113	2.00	10	91.5	10	0.07	4
AW 20	100	142	120	2.00	12	96.5	10	0.08	6
AW 21	105	145	126	2.00	12	100.5	12	0.08	6
AW 22	110	154	133	2.00	12	105.5	12	0.10	6
AW 31	155	212	182	2.50	16	147.5	16	0.26	8
AW 32	160	217	182	2.50	18	154	16	0.24	8
AW 33	165	222	193	2.50	18	157.5	16	0.28	8
AW 34	170	232	193	2.50	18	164	16	0.25	8
AW 36	180	242	203	2.50	20	174	18	0.27	8
AW 38	190	252	214	2.50	20	184	18	0.28	8
AW 40	200	262	226	2.50	20	194	18	0.3	8

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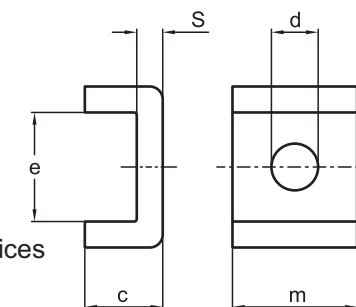
LOCKING DEVICES MS



These are locking devices used to lock HM nuts.

Material: steel SAE 1045.

The locking is followed by a pressure washer and bolt.



LOCKING DEVICES MS

Part Number	m (mm)	S (mm)	c (mm)	d (mm)	e (mm)	Screws	Weight (Kg)
MS 3044	20	4	12	7	13.5	M6x12	0.04
MS 3048-MS 3052	20	4	12	9	17.5	M8x16	0.04
MS 3056	24	4	12	9	17.5	M8x16	0.04
MS 3060	24	4	12	9	20.5	M8x16	0.04
MS 3064-MS 3068	24	5	15	9	21	M8x16	0.06
MS 3072	28	5	15	9	20	M8x16	0.06
MS 3076-MS 3080	28	5	15	12	24	M10x20	0.08
MS 3084	32	5	15	12	24	M10x20	0.08
MS 3088-MS 3092	32	5	15	14	28	M12x25	0.1
MS 3096-30/500	36	5	15	14	28	M12x25	0.11
MS 30/530-600	40	7	21	18	34	M16x30	0.23
MS 30/560	40	7	21	18	29	M16x30	0.21
MS 30/630	45	7	21	18	34	M16x30	0.25
MS 30/670	45	7	21	18	39	M16x30	0.27
MS 30/710	50	7	21	18	39	M16x30	0.28
MS 30/950	60	7	21	22	46	M20x40	0.28
MS 30/1000	60	7	21	22	51	M20x40	0.28
MS 3144-MS 3148	20	4	12	9	22.5	M8x16	0.04
MS 3152-MS 3156	24	4	12	12	25.5	M8x16	0.06
MS 3160	24	4	12	12	30.5	M10x20	0.06
MS 3164	24	5	15	12	31	M10x20	0.08
MS 3168-MS 3172	28	5	15	14	38	M12x25	0.1
MS 3176	32	5	15	14	40	M12x25	0.12
MS 3180-MS 3184	32	5	15	18	45	M16x30	0.16
MS 3188-MS 3192	36	5	15	18	43	M16x30	0.17
MS 3196	36	5	15	18	53	M16x30	0.10
MS 31/500	40	5	15	18	45	M16x30	0.18
MS 31/560-600	45	7	21	22	54	M20x40	0.22
MS 31/710	55	7	21	26	69	M20x40	0.30
MS 30/750-800	55	7	21	18	39	M16x30	0.31
MS 31/530	40	7	21	22	51	M20x40	0.35
MS 31/850	70	7	21	26	71	M24x50	0.41
MS 31/900	70	7	21	26	76	M24x50	0.41
MS 30/850-900	60	7	21	22	44	M20x40	0.42
MS 31/950	70	7	21	26	78	M24x50	0.42
MS 31/630	50	7	21	22	61	M20x40	0.43
MS 31/670	50	7	21	22	66	M20x40	0.45
MS 31/750-800	60	7	21	26	70	M24x50	0.49
MS 31/1000	70	7	21	26	88	M24x50	0.5