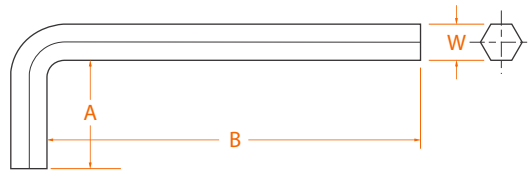




Tough, ductile, for high torqueing;
accurate fit in all types of socket
screws; size marked for quick identity

Mechanical Properties

1. Material: ASME B18.3.2.M Alloy Steel
2. Dimensions: B18.3.2M
3. Similar Standards: ISO 2936 AND BS4168
4. Unbrako Long arm similar to ISO extra long
5. Please specify standard required at time of purchase.



Product Dimensions

Size nom.	Width Across Flats W		A		Unbrako / ASME Short B		Unbrako Long B	
	max.	min.	max.	min.	max.	min.	max.	min.
0.71	0.711	0.698	5.5		31			
0.89	0.889	0.876	9		31			
1.27	1.270	1.244	13.5		42			
1.5	1.500	1.470	14	13	45	43	90	88
2.0	2.000	1.970	16	15	50	48	100	98
2.5	2.500	2.470	18	17	56	53	112	109
3.0	3.000	2.955	20	19	63	60	126	123
4.0	4.000	3.955	25	24	70	66	142	138
5.0	5.000	4.955	28	27	80	76	160	156
6.0	6.000	5.955	32	30	90	86	180	176
8.0	8.000	7.955	36	34	100	95	200	195
10.0	10.000	9.955	40	38	112	106	224	218
12.0	12.000	11.955	45	43	125	119	250	244
14.0	14.000	13.930	55	53	140	133	280	273
17.0	17.000	16.930	63	60	160	152	320	312
19.0	19.000	18.930	70	67	180	171	360	351
22.0	22.000	21.930	80	76	200	190	400	390
24.0	24.000	23.930	90	86	224	213	448	437
27.0	27.000	26.820	100	96	250	238	500	488
32.0	32.000	31.820	125	121	315	300	630	615
36.0	36.000	35.820	140	135	355	338	710	693

Size nom.	ASME Long B		Torsional Shear Strength Minimum		Torsional Yield Strength Minimum	
	max.	min.	N-m	In-lbs.	N-m	In-lbs.
0.71	69		0.12	1.1	0.1	0.9
0.89	71		0.26	2.3	0.23	2.
1.27	75		0.73	6.5	.63	5.6
1.5	78	76	1.19	10.5	1.02	9.0
2.0	83	81	2.90	26	2.4	21
2.5	90	87	5.40	48	4.4	39
3.0	100	97	9.30	82	8.0	71
4.0	106	102	22.2	196	18.8	166
5.0	118	114	42.7	378	36.8	326
6.0	140	136	74.0	655	64	566
8.0	160	155	183.0	1,620	158	1,400
10.0	170	164	345.0	3,050	296	2,620
12.0	212	206	634.0	5,610	546	4,830
14.0	236	229	945.0	8,360	813	7,200
17.0	250	242	1,690	15,000	1,450	12,800
19.0	280	271	2,360	20,900	2,030	18,000
22.0	335	325	3,670	32,500	3,160	28,000
24.0	375	364	4,140	36,600	3,560	31,500
27.0			5,870	51,900	5,050	44,700
32.0			8,320	73,600	7,150	63,300
36.0			11,800	104,000	10,200	90,300

Marking

UNBRAKO & Size

Sizes 2 or Larger

Unbrako