

FULL POLISH ANGLE OPEN END WRENCHES

- ▶ Double nickel strike for rust resistance and prolonged life.
- ▶ 15° and 60° angle heads combined with the same size opening on both ends allow wrench to be used in four different turning angles for greater access in tight work areas.



INCH		Throat Depth 1 (in)	Outside Head Width 1 (in)	Head Thickness 1 (in)	Outside Head Width 2 (in)	Head Thickness 2 (in)	Overall Length (in)	Weight (lbs)
3/8	J3112	13/32	3/4	7/32	3/4	13/64	4-3/4	0.06
7/16	J3114	15/32	7/8	7/32	7/8	13/64	5	0.08
1/2	J3116	35/64	1	1/4	1	15/64	5-1/4	0.10
9/16	J3118	39/64	1-7/64	1/4	1-7/64	15/64	5-5/8	0.14
5/8	J3120	21/32	1-7/32	9/32	1-7/32	17/64	6	0.17
11/16	J3122	23/32	1-21/64	9/32	1-21/64	17/64	6-1/2	0.21
3/4	J3124	25/32	1-7/16	9/32	1-7/16	9/32	7	0.26
13/16	J3126	27/32	1-9/16	5/16	1-9/16	19/64	7-1/2	0.50
7/8	J3128	57/64	1-21/32	5/16	1-21/32	5/16	8	0.61
15/16	J3130	31/32	1-25/32	11/32	1-25/32	21/64	8-3/4	0.71
1	J3132	1-1/32	1-59/64	11/32	1-59/64	11/32	9-1/2	0.88
1-1/16	J3134	1-1/16	2-1/64	3/8	2-1/64	23/64	10-1/4	1.04
1-1/8	J3136	1-1/8	2-1/8	3/8	2-1/8	3/8	11	1.20
1-3/16	J3138	1-1/4	2-17/64	13/32	2-17/64	13/32	11-47/64	0.86
1-1/4	J3140	1-1/4	2-11/32	13/32	2-11/32	13/32	12-1/4	1.47
1-5/16	J3142	1-5/16	2-29/64	7/16	2-29/64	27/64	13-1/8	1.87
1-3/8	J3144	1-13/32	2-37/64	7/16	2-37/64	7/16	13-3/4	2.17
1-7/16	J3146	1-13/32	2-5/8	15/32	2-5/8	29/64	14	2.48
1-1/2	J3148	1-31/64	2-3/4	15/32	2-3/4	15/32	14-1/2	2.77
1-5/8	J3152	1-43/64	3-1/64	1/2	3-1/64	1/2	15	3.07
1-3/4	J3156	1-31/32	3-31/64	17/32	3-31/64	33/64	17	3.81
1-13/16	J3158	1-63/64	3-31/64	17/32	3-31/64	33/64	18-3/8	4.56
1-7/8	J3160	2-7/32	3-29/32	21/32	3-29/32	21/32	19-3/4	5.24
2	J3164	2-9/32	3-29/32	21/32	3-29/32	21/32	21-1/4	5.92

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MM		Throat Depth 1 (in)	Outside Head Width 1 (in)	Head Thickness 1 (in)	Outside Head Width 2 (in)	Head Thickness 2 (in)	Overall Length (in)	Weight (lbs)
9	J3109M	13/32	49/64	7/32	49/64	13/64	4-3/4	0.06
10	J3110M	7/16	13/16	7/32	13/16	13/64	4-7/8	0.07
11	J3111M	15/32	7/8	7/32	7/8	7/32	5	0.08
12	J3112M	1/2	59/64	1/4	59/64	15/64	5-1/4	0.10
13	J3113M	17/32	63/64	1/4	63/64	15/64	5-1/2	0.13
14	J3114M	39/64	1-7/64	1/4	1-7/64	1/4	5-5/8	0.14
15	J3115M	5/8	1-5/32	9/32	1-5/32	17/64	5-15/16	0.16
16	J3116M	21/32	1-7/32	9/32	1-7/32	17/64	6-1/8	0.19
17	J3117M	47/64	1-11/32	9/32	1-11/32	9/32	6-1/2	0.21
18	J3118M	23/32	1-11/32	9/32	1-11/32	9/32	6-3/4	0.24
19	J3119M	25/32	1-7/16	9/32	1-7/16	9/32	7	0.26

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