

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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