

ARMSTRONG® 6 Point Metric Long Pattern Full Polish Combination Wrenches

- Made in the USA - Quality and Availability
- Both Box Ends Incorporate a Radius Corner Design That Engages the Flats of the Fastener, Not the Corners, Providing Up to 15% -20% More Torque While Reducing Fastener Rounding, Enhancing the Turning of Worn Fasteners
- Box Ends Are Offset a True 15° for Clearing Obstructions and Knuckle Clearance on Flat Surfaces
- The Shank to Box End Transition Area is Also Reinforced to Provide Greater Strength
- Open End Has a Radius Design for Greater Strength; Especially When Compared to a Hex Open End
- Meets or Exceeds ASME B107.9M-1994



Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight	Shelf Pack Qty.
52-306	781412523065	Bagged	6 mm	0.626 in	0.157 in	0.437 in	0.220 in	5.000 in	0.05 lb	1
52-307	781412523072	Bagged	7 mm	0.626 in	0.157 in	0.437 in	0.220 in	5.000 in	0.06 lb	1
52-308	781412523089	Bagged	8 mm	0.626 in	0.157 in	0.437 in	0.220 in	5.748 in	0.09 lb	1
52-309	781412523096	Bagged	9 mm	0.728 in	0.169 in	0.512 in	0.240 in	6.130 in	0.10 lb	1
52-310	781412523102	Bagged	10 mm	0.839 in	0.201 in	0.618 in	0.272 in	6.728 in	0.14 lb	1
52-311	781412523119	Bagged	11 mm	0.949 in	0.209 in	0.669 in	0.291 in	7.252 in	0.16 lb	1
52-312	781412523126	Bagged	12 mm	1.000 in	0.228 in	0.720 in	0.311 in	7.681 in	0.17 lb	1
52-313	781412523133	Bagged	13 mm	1.039 in	0.240 in	0.760 in	0.331 in	8.150 in	0.21 lb	1
52-314	781412523140	Bagged	14 mm	1.181 in	0.260 in	0.839 in	0.350 in	8.618 in	0.23 lb	1
52-315	781412523157	Bagged	15 mm	1.252 in	0.272 in	0.890 in	0.382 in	9.091 in	0.25 lb	1
52-316	781412523164	Bagged	16 mm	1.311 in	0.280 in	0.941 in	0.409 in	9.500 in	0.25 lb	1
52-317	781412523171	Bagged	17 mm	1.370 in	0.291 in	0.980 in	0.429 in	10.079 in	0.39 lb	1
52-318	781412523188	Bagged	18 mm	1.429 in	0.311 in	1.012 in	0.441 in	10.512 in	0.34 lb	1
52-319	781412523195	Bagged	19 mm	1.559 in	0.339 in	1.098 in	0.480 in	11.000 in	0.51 lb	1

ARMSTRONG® 12 Point SAE Long Pattern Satin Combination Wrenches

- Made in the USA - Quality and Availability
- Both Box Ends Incorporate a Radius Corner Design That Engages the Flats of the Fastener, Not the Corners, Providing Up to 15% -20% More Torque While Reducing Fastener Rounding, Enhancing the Turning of Worn Fasteners
- Box Ends Are Offset a True 15° for Clearing Obstructions and Knuckle Clearance on Flat Surfaces
- The Shank to Box End Transition Area is Also Reinforced to Provide Greater Strength
- Open End Has a Radius Design for Greater Strength; Especially When Compared to a Hex Open End
- Meets or Exceeds ASME B107.6-1994 and US Federal Specification GGG-W-636E



Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight	Shelf Pack Qty.
25-458	781412254587	Bagged	1/4 in	0.550 in	0.140 in	0.390 in	0.190 in	5.000 in	0.04 lb	1
25-460	781412254600	Bagged	5/16 in	0.670 in	0.170 in	0.490 in	0.230 in	5.750 in	0.09 lb	1
25-462	781412254624	Bagged	3/8 in	0.790 in	0.190 in	0.560 in	0.250 in	6.500 in	0.15 lb	1

Cat. No.	UPC No.	Packaging	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight	Shelf Pack Qty.
25-464	781412254648	Bagged	7/16 in	0.950 in	0.210 in	0.670 in	0.290 in	7.250 in	0.16 lb	1
25-466	781412254662	Bagged	1/2 in	1.040 in	0.240 in	0.760 in	0.330 in	8.000 in	0.23 lb	1
25-468	781412254686	Bagged	9/16 in	1.180 in	0.260 in	0.840 in	0.350 in	8.750 in	0.25 lb	1
25-470	781412254709	Bagged	5/8 in	1.310 in	0.280 in	0.940 in	0.410 in	9.500 in	0.40 lb	1
25-472	781412254723	Bagged	11/16 in	1.430 in	0.310 in	1.010 in	0.440 in	10.250 in	0.40 lb	1
25-474	781412254747	Bagged	3/4 in	1.560 in	0.340 in	1.100 in	0.480 in	11.000 in	0.56 lb	1
25-476	781412254761	Bagged	13/16 in	1.660 in	0.350 in	1.190 in	0.520 in	11.750 in	0.68 lb	1
25-478	781412254785	Bagged	7/8 in	1.810 in	0.370 in	1.280 in	0.550 in	12.500 in	0.82 lb	1
25-480	781412254808	Bagged	15/16 in	1.920 in	0.390 in	1.360 in	0.590 in	13.250 in	0.94 lb	1
25-482	781412254822	Bagged	1 in	2.050 in	0.410 in	1.450 in	0.620 in	14.000 in	1.11 lb	1
25-484	781412254846	Bagged	1-1/16 in	2.200 in	0.440 in	1.550 in	0.650 in	14.750 in	1.32 lb	1
25-486	781412254860	Bagged	1-1/8 in	2.280 in	0.470 in	1.620 in	0.680 in	15.500 in	1.31 lb	1
25-488	781412254884	Bagged	1-3/16 in	2.420 in	0.490 in	1.720 in	0.730 in	16.310 in	1.70 lb	1
25-490	781412254907	Bagged	1-1/4 in	2.570 in	0.510 in	1.820 in	0.740 in	17.060 in	1.82 lb	1
25-242	781412252422	Bagged	1-5/16 in	2.703 in	0.500 in	2.000 in	0.844 in	20.125 in	3.25 lb	1
25-244	781412252446	Bagged	1-3/8 in	2.875 in	0.500 in	2.062 in	0.875 in	20.125 in	2.80 lb	1
25-246	781412252460	Bagged	1-7/16 in	3.000 in	0.750 in	2.187 in	0.937 in	21.125 in	3.50 lb	1
25-248	781412252484	Bagged	1-1/2 in	3.062 in	0.625 in	2.187 in	0.906 in	21.125 in	2.43 lb	1
25-252	781412252521	Bagged	1-5/8 in	3.500 in	0.640 in	2.437 in	0.969 in	24.125 in	5.73 lb	1
25-254	781412252545	Bagged	1-11/16 in	3.500 in	0.675 in	2.437 in	0.969 in	24.125 in	4.83 lb	1
25-256	781412252569	Bagged	1-3/4 in	3.687 in	0.760 in	2.750 in	1.109 in	25.625 in	6.16 lb	1
25-258	781412252583	Bagged	1-13/16 in	3.687 in	0.781 in	2.750 in	1.062 in	25.625 in	5.86 lb	1
25-260	781412252606	Bagged	1-7/8 in	4.062 in	0.750 in	2.937 in	1.125 in	27.125 in	8.09 lb	1
25-264	781412252644	Bagged	2 in	4.062 in	0.750 in	2.937 in	1.125 in	27.125 in	7.81 lb	1
25-266	781412252668	Bagged	2-1/16 in	4.000 in	0.750 in	2.937 in	1.062 in	27.125 in	8.54 lb	1
25-268	781412252682	Bagged	2-1/8 in	4.406 in	0.844 in	3.250 in	1.125 in	28.000 in	10.58 lb	1
25-270	781412252705	Bagged	2-3/16 in	4.406 in	0.844 in	3.250 in	1.125 in	28.000 in	10.04 lb	1
25-272	781412252729	Bagged	2-1/4 in	4.406 in	0.844 in	3.250 in	1.125 in	28.000 in	10.34 lb	1
25-276	781412252767	Bagged	2-3/8 in	5.031 in	0.938 in	3.750 in	1.375 in	30.000 in	13.62 lb	1
25-280	781412252804	Bagged	2-1/2 in	5.031 in	0.938 in	3.750 in	1.375 in	30.000 in	13.76 lb	1
25-282	781412252828	Bagged	2-9/16 in	5.562 in	1.000 in	4.187 in	1.500 in	32.000 in	19.41 lb	1
25-284	781412252842	Bagged	2-5/8 in	5.562 in	1.000 in	4.187 in	1.500 in	32.000 in	19.96 lb	1
25-288	781412252880	Bagged	2-3/4 in	5.562 in	1.000 in	4.187 in	1.500 in	32.000 in	19.30 lb	1