



# Wrenches

## METRIC COMBINATION WRENCHES - 12 POINT - FULL POLISH

**M**ETRIC

- Full polish finish provides corrosion resistance and easy to clean surfaces.
- 12 point box end allows for fine indexing, helping to improve speed and access. Fits 4, 6 and 12 point fasteners.
- Anti-Slip Design (ASD) open end
  - Patented locking grooves help prevent the wrench from slipping off the fastener when turning.
  - The arched surfaces are designed to spread the contact forces over a greater area
  - Loads are kept off the corners of the fastener which helps prevent fastener rounding.
- Metric sizes 9mm and smaller do not have ASD feature.
- Box ends incorporate the TorquePlus™ system.
- Proto® TorquePlus™ wrenches are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- The TorquePlus™ design is a high performance drive configuration which allows for quick and easy wrench engagement to the fastener flats, not the corners.
- The TorquePlus™ configuration employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the box end, minimizing slippage.
- The TorquePlus™ internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.



Product ID No.	mm	B	C	D	C1	D1	L	Weight lbs.	ASME Spec.
J1207M-T500	7	7.9	15.1	4.4	10.3	5.9	131.1	0.04 lbs.	ASME B107.100
J1208M-T500	8	9.9	17.4	4.7	12.7	6.8	137.4	0.07 lbs.	ASME B107.100
J1209M-T500	9	10.3	19.1	4.7	13.9	6.8	143.8	0.08 lbs.	ASME B107.100
J1210M-T500	10	12.3	22.2	5.6	16.5	7.9	150.1	0.13 lbs.	ASME B107.100
J1211M-T500	11	13.1	23.4	5.9	17.4	8.3	175.5	0.14 lbs.	ASME B107.100
J1212M-T500	12	14.3	25.4	6.4	18.6	8.7	195.8	0.17 lbs.	ASME B107.100
J1213M-T500	13	15.5	26.1	6.4	19.8	8.7	200.9	0.18 lbs.	ASME B107.100
J1214M-T500	14	17.4	30.1	7.1	21.8	9.1	223.8	0.22 lbs.	ASME B107.100
J1215M-T500	15	19.1	31.7	7.5	22.2	9.1	232.4	0.25 lbs.	ASME B107.100
J1216M-T500	16	19.1	33.7	7.9	23.8	10.3	242.4	0.26 lbs.	ASME B107.100
J1217M-T500	17	21.0	35.5	8.3	26.1	11.1	261.3	0.38 lbs.	ASME B107.100
J1218M-T500	18	21.8	38.4	8.7	26.9	11.5	271.3	0.41 lbs.	ASME B107.100
J1219M-T500	19	23.0	40.1	8.7	28.1	11.9	280.2	0.46 lbs.	ASME B107.100
J1220M-T500	20	25.0	42.9	9.1	30.1	12.3	290.2	0.55 lbs.	ASME B107.100
J1221M-T500	21	25.0	42.9	9.1	30.1	12.3	300.2	0.54 lbs.	ASME B107.100
J1222M-T500	22	26.5	45.4	9.5	32.1	12.7	318.1	0.62 lbs.	ASME B107.100
J1224M-T500	24	28.5	48.2	10.3	34.0	13.9	338.0	0.77 lbs.	ASME B107.100

