

12 Point Long Pattern Combination Wrenches

- 15° offset for better access in tight spaces
- Off-corner loading design on box end provides better grip and reduces fastener rounding
- Long pattern beam length for improved reach, leverage and torque
- Hard stamped size marking
- Manufactured from alloy steel for better strength and longer tool life
- Bright, full polish chrome finish easily wipes clean and resists corrosion
- Meets or exceeds ASME specifications



Cat. No.	SAE/Metric	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
81650	SAE	1/4 in	0.52 in	0.161 in	0.449 in	0.197 in	5.09 in	0.07 lb
81651D	SAE	9/32 in	0.567 in	0.169 in	0.484 in	0.209 in	5.44 in	0.09 lb
81652D	SAE	5/16 in	0.654 in	0.177 in	0.535 in	0.217 in	5.8 in	0.09 lb
81653	SAE	11/32 in	0.728 in	0.185 in	0.583 in	0.244 in	6.22 in	0.11 lb
81654	SAE	3/8 in	0.807 in	0.213 in	0.634 in	0.272 in	6.54 in	0.13 lb
81655	SAE	7/16 in	0.894 in	0.236 in	0.685 in	0.295 in	7.29 in	0.18 lb
81656	SAE	1/2 in	1.051 in	0.252 in	0.78 in	0.335 in	8.11 in	0.24 lb
81657	SAE	9/16 in	1.138 in	0.276 in	0.846 in	0.366 in	8.74 in	0.26 lb
81658	SAE	5/8 in	1.291 in	0.303 in	0.941 in	0.413 in	9.52 in	0.38 lb
81659	SAE	11/16 in	1.382 in	0.319 in	1.016 in	0.433 in	10.23 in	0.49 lb
81660	SAE	3/4 in	1.551 in	0.362 in	1.098 in	0.476 in	10.972 in	0.53 lb
81661	SAE	13/16 in	1.701 in	0.39 in	1.201 in	0.52 in	11.827 in	0.73 lb
81662	SAE	7/8 in	1.783 in	0.406 in	1.264 in	0.539 in	12.52 in	0.82 lb
81663	SAE	15/16 in	1.945 in	0.429 in	1.327 in	0.579 in	13.252 in	1.04 lb
81664	SAE	1 in	2.024 in	0.445 in	1.398 in	0.598 in	14.035 in	1.15 lb
81733	SAE	1-1/16 in	2.22 in	0.469 in	1.531 in	0.65 in	14.75 in	1.43 lb
81734	SAE	1-1/8 in	2.469 in	0.5 in	1.685 in	0.697 in	16 in	1.85 lb
81815	SAE	1-3/16 in	2.467 in	.49 in	1.76 in	.74 in	16.22 in	1.610 lb
81735	SAE	1-1/4 in	2.634 in	0.524 in	1.811 in	0.724 in	16 in	2.18 lb
81749	SAE	1-5/16 in	3.102 in	0.61 in	2.185 in	0.925 in	18.74 in	2.22 lb
81816	SAE	1-3/8 in	2.81 in	.53 in	2.05 in	.87 in	19.96 in	2.870 lb
81817	SAE	1-7/16 in	3.031 in	.626 in	2.146 in	.866 in	21.102 in	3.340 lb
81750	SAE	1-1/2 in	3.102 in	0.61 in	2.185 in	0.925 in	19.72 in	2.25 lb
81736	Metric	6 mm	0.52 in	0.161 in	0.449 in	0.197 in	5.094 in	0.07 lb
81737	Metric	7 mm	0.567 in	0.169 in	0.484 in	0.209 in	5.445 in	0.07 lb
81665	Metric	8 mm	0.654 in	0.177 in	0.535 in	0.217 in	5.799 in	0.09 lb
81666	Metric	9 mm	0.728 in	0.185 in	0.583 in	0.244 in	6.22 in	0.11 lb
81667	Metric	10 mm	0.807 in	0.213 in	0.634 in	0.272 in	6.543 in	0.13 lb
81668	Metric	11 mm	0.894 in	0.236 in	0.685 in	0.295 in	7.291 in	0.18 lb
81669	Metric	12 mm	0.969 in	0.244 in	0.728 in	0.327 in	7.736 in	0.18 lb
81670	Metric	13 mm	1.051 in	0.252 in	0.78 in	0.335 in	8.114 in	0.30 lb
81671	Metric	14 mm	1.138 in	0.276 in	0.846 in	0.366 in	8.74 in	0.32 lb
81672	Metric	15 mm	1.213 in	0.291 in	0.89 in	0.39 in	9.134 in	0.35 lb
81673	Metric	16 mm	1.291 in	0.303 in	0.941 in	0.413 in	9.524 in	0.40 lb
81674	Metric	17 mm	1.382 in	0.319 in	1.016 in	0.433 in	10.232 in	0.43 lb
81675	Metric	18 mm	1.461 in	0.339 in	1.047 in	0.453 in	10.602 in	0.49 lb
81676	Metric	19 mm	1.55 in	0.36 in	1.08 in	0.472 in	10.97 in	0.54 lb
81677	Metric	20 mm	1.65 in	0.381 in	1.11 in	0.491 in	11.4 in	0.62 lb
81678	Metric	21 mm	1.7 in	0.4 in	1.14 in	0.51 in	11.83 in	0.68 lb

Cat. No.	SAE/Metric	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
81679	Metric	22 mm	1.783 in	0.406 in	1.264 in	0.539 in	12.52 in	0.69 lb
81741	Metric	23 mm	1.87 in	0.417 in	1.287 in	0.559 in	12.752 in	0.99 lb
81742	Metric	24 mm	1.945 in	0.429 in	1.327 in	0.579 in	13.252 in	1.00 lb
81751	Metric	25 mm	2.024 in	0.445 in	1.398 in	0.598 in	14.035 in	1.10 lb
81752	Metric	26 mm	2.138 in	0.449 in	1.472 in	0.622 in	14.331 in	1.12 lb
81743	Metric	27 mm	2.22 in	0.469 in	1.531 in	0.65 in	14.752 in	1.38 lb
81753	Metric	28 mm	2.469 in	0.5 in	1.685 in	0.697 in	16 in	1.89 lb
81809	Metric	29 mm	2.343 in	.469 in	1.665 in	.673 in	15.394 in	1.610 lb
81744	Metric	30 mm	2.555 in	0.524 in	1.685 in	0.724 in	17 in	2.12 lb
81745D	Metric	32 mm	2.634 in	0.524 in	1.811 in	0.724 in	17.362 in	2.13 lb

12 Point Long Pattern Satin Combination Wrenches

- 15° offset for better access in tight spaces
- Off-corner loading design on box end provides better grip and reduces fastener rounding
- Long pattern beam length for improved reach, leverage and torque
- Hard stamped size marking
- Manufactured from alloy steel for better strength and longer tool life
- Satin finish for corrosion protection and simple cleaning
- Meets or exceeds ASME specifications



Cat. No.	SAE/Metric	Fastener Size	End A Width	End A Thickness	End B Width	End B Thickness	Overall Length	Product Weight
81818	SAE	1-5/8 in	3.402 in	.673 in	2.425 in	.957 in	24.094 in	4.310 lb
81819	SAE	1-11/16 in	3.402 in	0.673 in	2.425 in	0.957 in	24.094 in	4.310 lb
81820	SAE	1-3/4 in	3.689 in	0.776 in	2.618 in	0.976 in	25.551 in	5.150 lb
81821	SAE	1-13/16 in	3.689 in	0.776 in	2.618 in	0.976 in	25.551 in	5.150 lb
81822	SAE	1-7/8 in	3.9 in	0.75 in	2.76 in	1.06 in	27.09 in	8.800 lb
81823	SAE	2 in	4.02 in	0.75 in	2.87 in	1.06 in	27.13 in	8.360 lb
81824	SAE	2-1/16 in	4 in	0.75 in	2.87 in	1.06 in	27.09 in	7.920 lb
81825	SAE	2-1/8 in	4.409 in	0.843 in	3.169 in	1.126 in	27.795 in	8.050 lb
81826	SAE	2-3/16 in	4.409 in	0.843 in	3.169 in	1.126 in	27.795 in	8.050 lb
81827	SAE	2-1/4 in	4.409 in	0.843 in	3.169 in	1.126 in	27.795 in	11.550 lb
81828	SAE	2-3/8 in	4.992 in	0.937 in	3.665 in	1.319 in	29.843 in	11.550 lb
81829	SAE	2-1/2 in	4.992 in	0.937 in	3.665 in	1.319 in	29.843 in	11.550 lb
81830	SAE	2-9/16 in	5.43 in	1 in	4.06 in	1.48 in	31.89 in	21.560 lb
81831	SAE	2-5/8 in	5.43 in	1 in	4.02 in	1.5 in	31.89 in	21.120 lb
81832	SAE	2-3/4 in	5.39 in	1 in	4.06 in	1.5 in	31.89 in	20.680 lb
81840	Metric	36 mm	2.81 in	.53 in	2.01 in	.85 in	19.96 in	2.420 lb
81841	Metric	41 mm	3.402 in	0.673 in	2.425 in	0.957 in	24.094 in	4.310 lb
81842	Metric	46 mm	3.689 in	0.776 in	2.618 in	0.976 in	25.551 in	5.150 lb
81843	Metric	50 mm	3.9 in	0.75 in	2.87 in	1.06 in	26.97 in	7.480 lb
81844	Metric	55 mm	4.409 in	0.843 in	3.169 in	1.126 in	27.795 in	8.050 lb
81845	Metric	60 mm	4.992 in	0.937 in	3.665 in	1.319 in	29.843 in	11.550 lb
81846	Metric	65 mm	5.47 in	1 in	4.06 in	1.5 in	31.89 in	20.240 lb
81847	Metric	70 mm	5.39 in	1 in	4.06 in	1.5 in	31.89 in	19.800 lb