

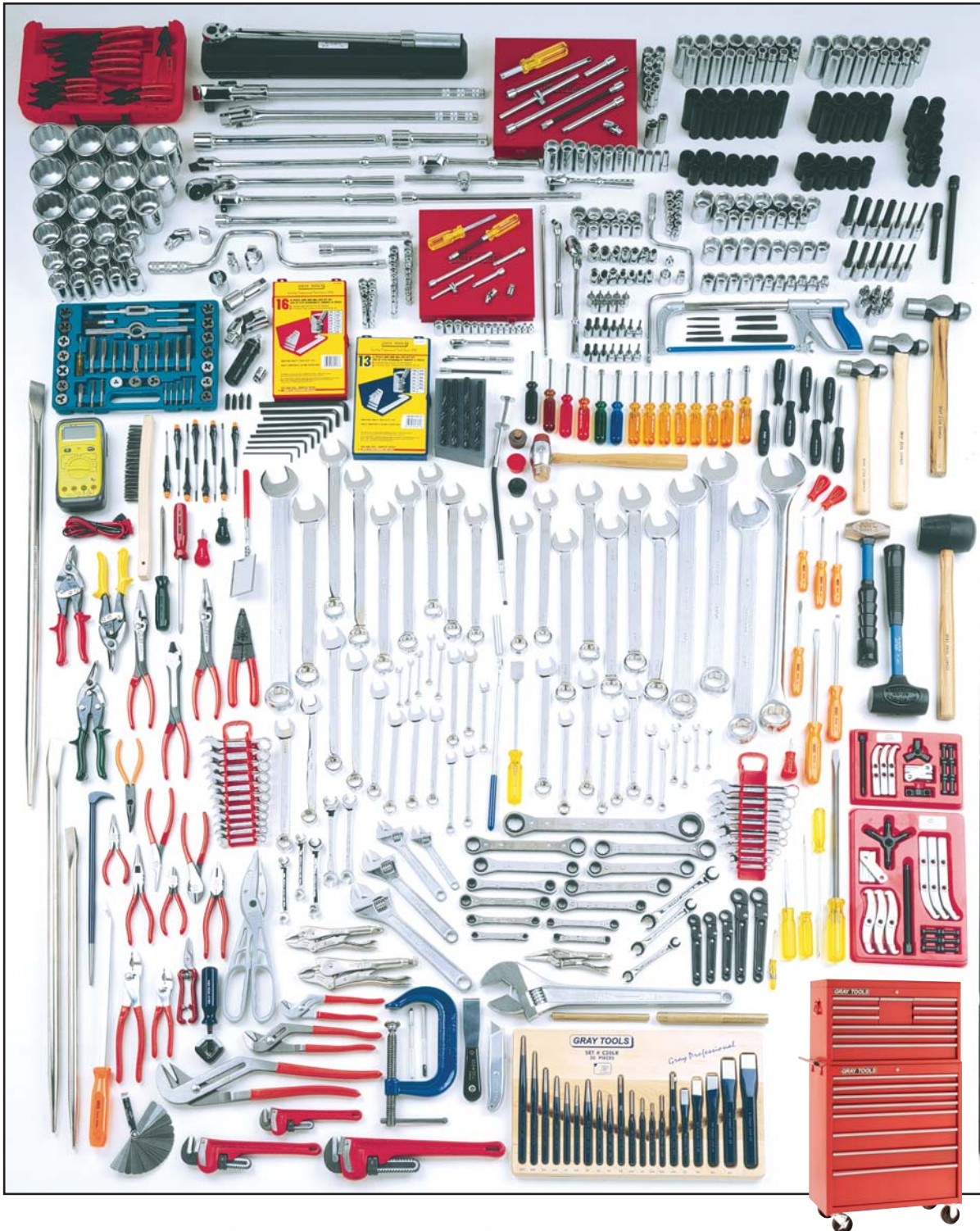
# MASTER SETS

MS1835

835 Piece Complete SAE & Metric Master Set  
includes 92110 (Top Chest) and 92208 (Roller Cabinet)

MS1835-T0

Tools Only



Contains:

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1013S	3 pc. Aviation Snip Set	66110	10" Pipe Wrench	CHS7MA	7 pc. Metric Nut Driver Set
10WR	10" Vise Grip Plier	66114	14" Pipe Wrench	FG35A	35 Blade Feeler Gauge .0015 to .035
127	5" Slotted Screw Starter	686	19¼" ½" Dr. Speeder	FL3S	3 pc. Flare Wrench Set
15025	25 pc. ¼" Dr. Socket Set SAE	69807	7 pc. S2 Torx® Hex Key Set	FLM5S	5 pc. Metric Flare Nut Wrench Set
19014	14 pc. ¼" Dr. Socket Set Metric	69813	13 pc. Long Arm Ball Hex Key Set	HD25	26 pc. ¾" Dr. Socket
19212	12 pc. ¼" Dr. Deep Socket Set	699	11" ½" Dr. Sliding T-Handle	HD50	1 ⅙" ¾" Dr. Socket
206	Retractable Utility Knife	69916	16 pc. Long Arm Ball Hex Key Set	HD62	1 15/16" ¾" Dr. Socket
21221	⅝" Spark Plug Socket	6LN	6" Long Nose Vise Grip Plier	HD66	2 1/16" ¾" Dr. Socket
212A	40 oz. Ball Pein Hammer	715	15" ½" Dr. Extension	HD68	2 1/8" ¾" Dr. Socket
212E	24 oz. Ball Pein Hammer	718S	2" ½" Dr. Extension	HD72	2 ¼" ¾" Dr. Socket
212G	16 oz. Ball Pein Hammer	720	20" ½" Dr. Extension	HD74	2 5/16" ¾" Dr. Socket
25026	26 pc. ⅜" Dr. Socket Set	73250	½" Torque Wrench 30-250 ft. lbs	HD76	2 3/8" ¾" Dr. Socket
25507	7 pc. ⅜" Dr. Universal Joint Socket Set	73303	3 pc. Assorted Pry Bar Set	IMD208K	6 pc. Impact Driver & Attachment Set
25607	7 pc. ⅜" Dr. Hex Head Socket Set	7CR	7" Vise Grip Plier	K9	15" Mechanical Fingers
25709	9 pc. ⅜" Dr. Torx® Socket Set	81200	12" Magnesium Cutting Snip	LT26R	⅜" ⅝" Dr. Spark Plug Socket
2682HD	Heavy Duty Hacksaw	81303	3 pc. Long Reach Plier Set	MC6	6mm Combination Wrench
29011	11 pc. ⅜" Dr. Socket Set	83839B	2 pc. Scraper Set	MC7	7mm Combination Wrench
29211	11 pc. ⅜" Dr. Deep Socket Set	840	14" Brush Wire	MC8	8mm Combination Wrench
29506	6 pc. ⅜" Dr. Metric U-Joint Socket Set	85908	8 pc. Assorted Screwdriver Set	MC11	11mm Combination Wrench
29607	7 pc. ⅜" Dr. Metric Hex Socket Set	86980	8 pc. Precision Screwdriver Set	MC14	14mm Combination Wrench
30506	9" Electrician's Slotted Screwdriver	87133	Digital Multimeter	MC15	15mm Combination Wrench
30608	11" Electrician's Slotted Screwdriver	8798L	15" ½" Dr. Reversible Ratchet	MC17	17mm Combination Wrench
30801	3" Slotted Stubby Screwdriver	8799F	15" ½" Dr. Flex Handle Ratchet	MC20	20mm Combination Wrench
3108	¼" Combination Wrench	89930	17" to 26 ½" Magnetic Pick Up Tool	MC219	19 pc. Metric Combination Wrench Set
3110	⅝" Combination Wrench	91425A	Scratch Awl	MDW7LCP	7 pc. ½" Dr. Hex Head Socket Set
3111	1 1/32" Combination Wrench	92129	29 pc. Drill Index Set 1/16" to 1/2"	MF6	6" ½" Dr. Flex Extension
3138	1 3/16" Combination Wrench	92340	40 pc. Tap & Die Set	MF8	7" ⅜" Dr. Flex Extension
35215	15 pc. ½" Dr. 6 Pt. Socket Set	92240	40 pc. Metric Tap & Die Set	MRB50	5 pc. Metric Ratchet Box Wrench Set
35606	6 pc. ½" Dr. Hex Head Socket Set	92460	Pocket Clip Slotted Screwdriver	P11T	11 pc. ½" Dr. Impact Socket Set
35707	7 pc. ½" Dr. Torx® Socket Set	94114	Plastic Socket Organizer	P175	5" Phillips® Screw Starter
35810	10 pc. ½" Dr. Universal Joint Socket Set	94220	⅝" Dr. 20 Peg Socket Organizer	P4-105A	5" ½" Dr. Impact Extension
38020	20 pc. ½" Dr. Socket Set	94315	½" Dr. 15 Peg Socket Organizer	P4-110A	10" ½" Dr. Impact Extension
39014	14 pc. ½" Dr. Socket Set	94410	¾" Dr. 10 Peg Socket Organizer	P4-140A	½" Dr. Impact Universal Joint
39019	19 pc. ½" Dr. Socket Set	B10A	10" Slip Joint Plier	PCH-1	8" Punch & Chisel Holder
39214	14 pc. ½" Dr. Socket Set	B111	12 pc. Retaining Ring Plier Set	PH30	16 1/2" Rubber Mallet
39218	18 pc. ½" Dr. Socket Set	B121	8 ¼" Crimper/Stripper Plier	PL11T	11 pc. ½" Dr. Deep Impact Socket Set
405	½" Dr. Drag Link Socket	B212A	7 ¼" Lineman's Plier	PO50A	4" Gear Puller Set
4206	½" Female, ⅜" Male Adapter	B230A	5 ¼" Needle Nose Plier	PO60A	6", 7" & 8" Gear Puller Set
4215	⅝" Female, ½" Male Adapter	B232A	7 ½" Needle Nose Plier	RB121	#1 Stubby Robertson Screwdriver
4216	⅝" Female, ¼" Male Adapter	B239	8" Bent Nose Plier	RB122	#2 Stubby Robertson® Screwdriver
4217	¼" Female, ⅜" Male Adapter	B240A	5 ¼" Side Cut Plier	S012	12" Heavy Duty Slotted Screwdriver
4295	¾" Dr. Universal Joint	B246A	7" Side Cut Plier	SD14	¼" Flexible Hand Driver
4298	½" Female, ¾" Male Adapter	B295A	8" Flat Nose Duck Bill Plier	SE70C	7 pc. Screw Extractor Set
4299	¾" Female, ½" Male Adapter	B45-10A	10" Adjustable Joint Plier	SF-2	32 oz. Dead Blow Power Hammer
5008LR	8 pc. Ratcheting Box Wrench Set	B45-16A	16" Adjustable Joint Plier	T30	9" ⅜" Dr. Flexible Handle Ratchet
50101	3" No. 1 Phillips® Stubby Screwdriver	B45-7A	7" Adjustable Joint Plier	T36	7 ¾" ⅝" Dr. T-Handle Sliding Ratchet
50201	3" No. 2 Phillips® Stubby Screwdriver	B49	6 ½" Wire Cutting Snip	T41	8" ⅜" Dr. Extension
63809	9 pc. Stubby Wrench Set	B6A	6 ¾" Slip Joint Plier	T42	6" ⅜" Dr. Hand Driver
64405	5 pc. Ratcheting Tube Wrench Set	BRS1.5	24 oz. Brass Hammer	T5	12" ⅜" Dr. Extension
64811	11 pc. Stubby Wrench Set	C20LR	20 pc. Punch & Chisel Set	T81	11" ⅜" Dr. Flexible Head Ratchet
65306	6" Adjustable Wrench	C2BDS	2 pc. Brass Drift Punch Set	T9	16" ⅜" Dr. Speeder
65308	8" Adjustable Wrench	C404	C-Clamp 0-4" Capacity	TU19	19 pc. Combination Wrench Set
65310	10" Adjustable Wrench	C68	30" Pinch Bar	TXS7	7 pc. Torx® Screwdriver Set
65312	12" Adjustable Wrench	C69	36" Pinch Bar	V17	¼" Dr. Sliding T-Handle
65315	15" Adjustable Wrench	CF147	11 ¼" to 15 ¼" Telescopic Mirror	V26	5 ½" ¼" Dr. Flexible Handle
66108	8" Pipe Wrench	CHS7A	7 pc. Nut Driver Set SAE	V603	3" ¼" Dr. Extension
				V610	10" ¼" Dr. Extension

# MASTER SETS

MS1420

420 Piece SAE Master Set  
includes 97120 (Top Chest) and 97211 (Roller Cabinet)

MS1420-TO

Tools Only



**CONTAINS:**

<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
<b>1013S</b>	3 pc. Aviation Snip Set	<b>7CR</b>	7" Vise Grip Plier	<b>K906</b>	6" Pocket Magnetic Pick Up Tool
<b>10WR</b>	10" Vise Grip Plier	<b>81200</b>	12" Light Weight Snip	<b>OE12LR</b>	12 pc. Open End Wrench Set ¼" to 1 ¼"
<b>15025</b>	25 pc. ¼" Dr. Socket Set	<b>82903</b>	3 pc. Retaining Ring Plier Set	<b>P11T</b>	11 pc. ½" Dr. Socket Set
<b>16LR</b>	9 pc. Minature Open End Wrench Set ⅜" to ½"	<b>838</b>	7 ½" 1 ¼" Wide Scraper Blade	<b>P210</b>	Bolt Style Puller Set
<b>20H</b>	Softface Replacable Tips	<b>840</b>	14" Wire Brush	<b>P501</b>	0" to 2 ¼" Bearing Separator
<b>20M</b>	Softface Replacable Tips	<b>94114</b>	14 Peg ¼" Dr. Plastic Socket Organizer	<b>PCH-1</b>	8" Punch & Chisel Holder
<b>21221</b>	⅝" Spark Plug Socket	<b>94220</b>	20 Peg ⅜" Dr. Plastic Socket Organizer	<b>PH30</b>	16 ½" Rubber Mallet
<b>212A</b>	40 oz. Ball Pein Hammer	<b>94315</b>	15 Peg ½" Dr. Plastic Socket Organizer	<b>PH41</b>	64 oz. Sledge Hammer
<b>212E</b>	24 oz. Ball Pein Hammer	<b>94410</b>	10 Peg ¾" Dr. Plastic Socket Organizer	<b>PO50A</b>	4" Gear Puller Set
<b>212G</b>	16 oz. Ball Pein Hammer	<b>94715</b>	Wrench Organizer	<b>PO60A</b>	6", 7", 8" Gear Puller Set
<b>25026</b>	26 pc. ⅜" Dr. Socket Set	<b>9LN</b>	9" Long Nose Vise Grip Plier	<b>PO70A</b>	9", 10", 11" Gear Puller Set
<b>25507</b>	7 pc. ⅜" Dr. Universal Joint Socket Set	<b>AW812S</b>	2 pc. Adjustable Wrench Set	<b>RB221</b>	11" #1 Tip Robertson® Screwdriver
<b>25607</b>	7 pc. ⅜" Dr. Hex Head Socket Set	<b>B123</b>	8 ¾" Crimper Plier w/ Cutter	<b>RB222</b>	11" #2 Tip Robertson® Screwdriver
<b>25708</b>	8 pc. ⅜" Dr. Torx®Socket Set	<b>B212A</b>	7 ¼" Lineman's Plier	<b>RB223</b>	11" #3 Tip Robertson® Screwdriver
<b>2682HD</b>	Heavy Duty Hacksaw	<b>B230A</b>	5 ¼" Needle Nose Plier	<b>RF163-99</b>	Tube Cutter / Flaring Set
<b>30805-TO</b>	5 pc. ½" Dr. Ratchet & Attachment Set	<b>B232A</b>	7 ½" Needle Nose Plier	<b>SCD13</b>	13 pc. Standard Screwdriver Set
<b>34-20200</b>	⅛" Letter Hand Stamp	<b>B239</b>	8" Bent Nose Plier	<b>SCD506</b>	6 pc. Phillips® Screwdriver Set
<b>34-20541</b>	⅛" Number Hand Stamp	<b>B245</b>	5 ½" Side Cutter Plier	<b>SE70C</b>	7 pc. Screw Extractor Set
<b>35020</b>	19 pc. ½" Dr. Socket Set	<b>B246A</b>	7" Side Cutter Plier	<b>SPS200</b>	24 oz. Composite Hammer
<b>35215</b>	15 pc. ½" Dr. Socket Set	<b>B45-10A</b>	10" Adjustable Joint Plier	<b>T34</b>	⅜" Dr. Slot Screwdriver Socket
<b>35606</b>	6 pc. ½" Dr. Hex Head Socket Set	<b>B45-16A</b>	16" Adjustable Joint Plier	<b>T5</b>	12" ⅜" Dr. Extension
<b>405</b>	½" Dr. Drag Link Socket	<b>B6A</b>	6" Slip Joint Plier	<b>T86</b>	11" ⅜" Dr. Flexible Head Ratchet
<b>5000LR</b>	5 pc. Ratcheting Box Wrench Set	<b>B8A</b>	8" Slip Joint Plier	<b>T9</b>	16" ⅜" Dr. Speeder
<b>64405</b>	5 pc. Ratcheting Tube Wrench Set	<b>C393S</b>	3 pc. Pry Bar Set	<b>TR1T</b>	Thread Restorer File
<b>65315</b>	15" Adjustable Wrench	<b>C47LR</b>	25 pc. Punch & Chisel Set	<b>TR2T</b>	Thread Restorer File
<b>66108</b>	8" Pipe Wrench	<b>C68</b>	30" Pinch Bar	<b>TU19</b>	19 pc. Combination Wrench Set
<b>66114</b>	14" Pipe Wrench	<b>CF147</b>	11 ¼" to 15 ¼" Telescopic Mirror	<b>V17</b>	4 ½" ¼" Dr. Sliding T-Handle
<b>686</b>	19 ¼" ½" Dr. Speeder	<b>CF62CS</b>	2" - 7" Cylinder Hone		
<b>68723</b>	22 pc. S2 SAE Hex Key Set	<b>CHS7A</b>	7 pc. Nut Driver Set		
<b>69927</b>	7 pc. S2 Torx® Long Fold Hex Key Set	<b>FG2</b>	25 pc. Feeler Gauge Set .0015 to .035		
<b>715</b>	15" ½" Dr. Extension	<b>FG7A</b>	8 pc. Spark Plug Gauge Set .020 to .040		
<b>72250</b>	⅜" Dr. Torque Wrench 30 - 250 inch lbs.	<b>HD25</b>	26 pc. ¾" Dr. Socket Set		
<b>73250</b>	½" Torque Wrench 30 - 250 ft. lbs	<b>IMD208K</b>	6 pc. Impact Driver & Attachment Set		
<b>734</b>	½" Dr. Screwdriver Socket	<b>K29</b>	2 pc. Magnetic/Mechanical Pick Up Set		
<b>73903</b>	3 pc. Screwdriver Pry Bar Set				

*\* For metric add-on see MSM2102 on page 9.*

# MASTER SETS

**MS1306-A**

**296 Piece Complete Aircraft Maintenance Set  
includes 97109 (Top Chest)**

**MS1306A-TO**

**Tools Only**



**CONTAINS:**

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1013S	3 pc. Aviation Snip Set	72250	3/8" Torque Wrench 30 - 250 inch lbs.	MF6	6" 1/4" Dr. Extension
10R	10" Vise Grip Plier	73250	1/2" Torque Wrench 30 - 250 ft. lbs.	MF8	7" 3/8" Dr. Extension
125	5" Slotted Screw Starter	73303	3 pc. Assorted Pry Bar Set	P175	5" Phillips® Screw Starter
15125	25 pc. 1/4" Dr. Socket Set	81200	3 1/2" Magnesium Snip	PH20	16 oz. Softhead Hammer
17LR	11 pc. Open Mini Wrench Set	82408	Convertible Snap Ring Plier	SCD13	13 pc. Standard Screwdriver Set
206	Retractable Utility Knife	82609A	9" Reversible Plier	SCD506	6 pc. Phillips® Screwdriver Set
212G	16 oz. Ball Pein Hammer	838	7 1/2" 1 1/4" Wide Scraper Blade	T30	9" 3/8" Dr. Flex Handle
2121	8 oz. Ball Pein Hammer	838A	12" 1" Wide Scraper Blade	T36	7 3/4" 3/8" Dr. Sliding T-Handle
25126	26 pc. 3/8" Dr. Socket Set	86980	8 Piece Precision Screwdriver Set	T41	8" 3/8" Dr. Extension
25507	7 pc. 3/8" Dr. Universal Joint Set	89020	9" Flexible Wire Carbon Scraper	T42	6" 3/8" Dr. Hand Driver
25607	7 pc. 3/8" Dr. Hex Head Socket Set	89930	17" to 26" Magnetic Pick Up Tool	T81	11" 3/8" Dr. Flexible Head Ratchet
2682HD	Heavy Duty Hacksaw	B121	8" Electrical/Electronic Plier	T9	16" 3/8" Dr. Speeder
38117	17 pc. 1/2" Dr. Socket Set	B232A	7 1/2" Needle Nose Plier	TP1	3/8" Dr. No. 1 Phillips® Head Socket
4206	1/2" Female, 3/8" Male Adapter	B246A	7" Side Cutting Plier	TP2	3/8" Dr. No. 2 Phillips® Head Socket
4215	3/8" Female, 1/2" Male Adapter	B295A	8" Duckbill Plier	TP3	3/8" Dr. No. 3 Phillips® Head Socket
4216	3/8" Female, 1/4" Male Adapter	B45-10A	10" Adjustable Joint Plier	TP4	3/8" Dr. No. 4 Phillips® Head Socket
4217	1/4" Female, 3/8" Male Adapter	B8A	8" Slip Joint Plier	TS10	5/16" 3/8" Dr. 8 Point Socket
5008LR	8 pc. Ratcheting Box Wrench Set	C14LR	14 pc. Punch & Chisel Set	TS12	3/8" 3/8" Dr. 8 Point Socket
51204	No. 1 Phillips® Offset Screwdriver	CF147	11" to 15" Inspection Mirror	TS14	7/16" 3/8" Dr. 8 Point Socket
63809	9 pc. Stubby Wrench Set	CHS7A	7 pc. Nut Driver Set	TS16	1/2" 3/8" Dr. 8 Point Socket
65306	6" Heavy Duty Adjustable Wrench	DO12	6 pc. Box Wrench Set	TS8	1/4" 3/8" Dr. 8 Point Socket
65308	8" Heavy Duty Adjustable Wrench	FG35A	35 Blade Feeler Gauge .0015 to .035	TU14S	14 pc. Combination Wrench Set
65312	12" Heavy Duty Adjustable Wrench	FG7A	8 pc. Wire Spark Plug Gauge .020 to .040	V26	5 1/2" 1/4" Dr. Flexible Handle
686	1/2" Dr. Speeder	FL3S	3 pc. Flare Wrench Set		
68913	13 pc. S2 Long Arm Hex Key Ball Set	K9	15" Mechanical Fingers		

**MS1225**      **225 Piece Complete Intermediate SAE Set**  
 includes 97109 (Top Chest)

**MS1225-T0**      **Tools Only**



**CONTAINS:**

PART NO.	DESCRIPTION
10WR	10" Vise Grip Plier
15025	25 pc. 1/4" Dr. Socket Set
206	Retractable Utility Knife
21221	5/8" Spark Plug Socket
212C	32 oz. Ball Pein Hammer
212G	16 oz. Ball Pein Hammer
25026	26 pc. 3/8" Dr. Socket Set
2682HD	Heavy Duty Hacksaw
30805-T0	5 pc. 1/2" Dr. Ratchet & Attachment Set
34-20200	1/8" Letter Hand Stamp
34-20541	1/8" Number Hand Stamp
35015	15 pc. 1/2" Dr. Socket Set
35215	15 pc. 1/2" Dr. Deep Socket Set
5000LR	5 pc. Ratcheting Box Wrench Set
66114	14" Pipe Wrench
69712	13 pc. Short Arm Hex Key Set

PART NO.	DESCRIPTION
73250	1/2" Torque Wrench 30-250 ft. lbs.
73413	13" Handle Pry Bar
7CR	7" Vise Grip Plier
838	1 1/4" Wide Scraper 7 1/2"
840	14" Wire Brush
AW812S	2 pc. Adjustable Wrench Set
B103	3 pc. Snap Ring Plier Set
B123	8 3/4" Crimper Plier w/ Wire Cutter
B258A	7 1/4" End Cutting Plier
B3PS	3 pc. Plier Set
B45-16A	16" Adjustable Joint Plier
C14LR	14 pc. Punch & Chisel Set
C393S	3 pc. Rolling Head Pry Bar Set
CF61	2" to 5 1/2" Cylinder Hones
CHS7A	7 pc. Nut Driver Set
FG12	15 pc. Feeler Gauge .002 to .025

PART NO.	DESCRIPTION
FL3S	3 pc. Flare Wrench Set
HD15	15 pc. 3/4" Dr. Socket Set
IMD208K	6 pc. Impact Driver Set
K29	2 pc. Magnetic/Mechanical Pick Up Set
P11T	11 pc. 1/2" Dr. Impact Socket Set
PCH-1	8" Punch & Chisel Holder
PH15	8 oz. Softface Hammer
PO60A	3 pc. 6", 7", 8" Gear Puller Set
RF163-99	Tube Cutter/Flaring Set
S410A	2 1/2" Straight Cut Snip
SCD13	13 pc. Screwdriver Set
SCD3	3 pc. Robertson® Screwdriver Set
SCD506	6 pc. Phillips® Screwdriver Set
SE50C	5 pc. Screw Extractor Set
T9	3/8" Dr. 16" Speeder
TU14S	14 pc. Combination Wrench Set

# MASTER SETS

**MS3125**

**132 Piece Starter SAE & Metric Set includes 97106 (Top Chest)**

**MS3125-TO**

**Tools Only**



**CONTAINS:**

PART NO.	DESCRIPTION
15015	15 pc. 1/4" Dr. Socket Set
212G	16 oz. Ball Pein Hammer
25015	15 pc. 3/8" Dr. Socket Set
25211	11 pc. 3/8" Dr. Deep Socket Set
2682HD	Heavy Duty Hacksaw
29011	11 pc. 3/8" Dr. Socket Set 9mm to 19mm
30805-TO	5 pc. Ratchet & Attachment Set
35012	12 pc. 1/2" Dr. Socket Set
69712	13 pc. Short Arm Hex Key Set
73413	13" Screwdriver Handle Pry Bar
838	1 1/4" Scraper Blade
85906	6 pc. Assorted Screwdriver Set
B3PS	3 pc. Plier Set
C10LRA	10 pc. Punch & Chisel Set
FL3S	3 pc. Flare Wrench Set
K2	17" to 26 1/2" Pick Up Tool
MC211	11 pc. Metric Combination Wrench Set 9mm to 19mm
TU11	11 pc. Combination Wrench Set 3/8" to 1"

**MS3114**

**114 Piece SAE Electricians Set - includes 97166 (Top Chest)**

**MS3114 -TO**

**Tools Only**



**CONTAINS:**

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1013S	3 pc. Aviation Snip Set	B144	5 1/2" Professional Wire Stripper w/ Cutter Plier
10WR	10" Vise Grip Plier	B204A	9 1/2" Cable Cutter Plier
206	Retractable Utility Knife	B210A	6 1/2" Lineman's Plier
25015	15 pc. 3/8" Dr. Socket Set	B212A	7 1/4" Lineman's Plier
2682HD	Heavy Duty Hacksaw	B285A	4 1/2" Miniature Cutter
5000LR	5 pc. Ratcheting Box Wrench Set	B4PS	4 pc. Plier Set
68913	13 pc. S2 Long Arm Ball Hex Key Set	C10LRA	10 pc. Punch & Chisel Set
6LN	6" Long Nose Vise Grip Plier	CHS7A	7 pc. Nut Driver Set
73303	3 pc. Assorted Pry Bar Set	GC16	16 oz. Claw Hammer
85908	8 pc. Assorted Screwdriver Set	NH6	6" Nylon Slotted Screw Starter
85960	6 pc. 1000V Insulated Screwdriver Set	P175	5" Phillips® Screw Starter
87133	Digital Multimeter	RB0	#0 Robertson® Screwdriver
87255	Clamp On Multimeter	RB00	#00 Robertson® Screwdriver
89930	17" to 26 1/2" Magnetic Pick Up Tool	RB120	#0 Stubby Robertson Screwdriver
91425A	7 3/4" Scratch Awl	RB121	#1 Stubby Robertson Screwdriver
94260	Pocket Clip Slotted Screwdriver	RB122	#2 Stubby Robertson Screwdriver
AW812S	2 pc. Adjustable Wrench Set	RB123	#3 Stubby Robertson Screwdriver
B121	8 1/4" Multipurpose Plier	RB223	#3 Robertson® Screwdriver
B123	8 3/4" Crimper w/ Wire Cutter Plier	TU11	11 pc. Combination Wrench Set
B140	6" Stripper/Cutter Plier		

**MSM2102**

**104 Piece Metric Add On Set For MS1420**

**CONTAINS:**

PART NO.	DESCRIPTION
19012	12 pc. 1/4" Dr. Socket Set 4mm - 12mm
29011	11 pc. 3/8" Dr. Socket Set 9mm - 19mm
29212	12 pc. 3/8" Dr. Deep Socket Set 8mm - 19mm
39012	12 pc. 1/2" Dr. Socket Set 10mm - 21mm
39218	18 pc. 1/2" Dr. Deep Socket Set 10mm - 28mm
68709	9 pc. S2 Long Arm Hex Key Set
69937	7 pc. S2 Short Folding Hex Key Set
FLM3S	3 pc. Metric Flare Nut Wrench Set
MC215	15 pc. Metric Combination Wrench Set 10mm - 24mm
MRB50	5 pc. Metric Ratcheting Box Wrench Set



**29082**

**82 Piece 3/8" Dr. Chrome 6 Pt. Metric Socket & Attachment Set includes 9107 (Hand Box)**

**29082-T0**

**Tools Only**

**CONTAINS:**

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
21221	5/8" Spark Plug Socket	T1	1 1/2" Extension
29021	21 pc. Socket Set	T3	1 3/4" Universal Joint
29214	14 pc. Socket Set	T30	9" Flexible Handle
29607	7 pc. Hex Head Socket Set	T36	7 3/4" Sliding T-Handle
4215	3/8" Female, 1/2" Male Adapter	T42	6" Hand Driver
4216	3/8" Female, 1/4" Male Adapter	T4S	4 pc. Extension Set
MF8	7 3/4" Flexible Extension	T610	Torx® Socket T10
MTF10H	10mm Universal Joint	T615	Torx® Socket T15
MTF11H	11mm Universal Joint	T620	Torx® Socket T20
MTF12H	12mm Universal Joint	T625	Torx® Socket T25
MTF13H	13mm Universal Joint	T627	Torx® Socket T27
MTF14H	14mm Universal Joint	T630	Torx® Socket T30
MTF15H	15mm Universal Joint	T640	Torx® Socket T40
MTF16H	16mm Universal Joint	T645	Torx® Socket T45
MTL20H	20mm Deep Socket	T81	11" Flexible Head Ratchet
MTL21H	21mm Deep Socket	T88	7" Ratchet
MTL22H	22mm Deep Socket	T9	16 1/4" Speeder
MTL23H	23mm Deep Socket	TP1	No. 1 Phillips® Head Socket
SB061207	Socket Rail	TP2	No. 2 Phillips® Head Socket
SB111211	Socket Rail	TP3	No. 3 Phillips® Head Socket



# MASTER SETS

**29176 75 Piece 3/8" Dr. Chrome 12 Pt. Metric Set includes 9107 (Hand Box)**

**29176-T0 Tools Only**



**CONTAINS:**

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
21221	5/8" Spark Plug Socket	29607	7pc Metric Hex Head Socket Set
29119	19 pc. Socket Set	T610	Torx® Socket T10
29314	14 pc. Socket Set	T615	Torx® Socket T15
4215	3/8" Female, 1/2" Male Adapter	T620	Torx® Socket T20
4216	3/8" Female, 1/4" Male Adapter	T625	Torx® Socket T25
MF8	7 1/4" Flexible Extension	T627	Torx® Socket T27
SB061207	Socket Rail	T630	Torx® Socket T30
SB081209	Socket Rail	T640	Torx® Socket T40
SB111211	Socket Rail	T645	Torx® Socket T45
T1	1 1/2" Extension	T81	11" Flexible Head Ratchet
T3	1 3/4" Universal Joint	T88	7" Reversible Ratchet
T30	9" Flexible Handle	T9	16 1/4" Speeder
T36	7 3/4" Sliding T-Handle	TP1	No. 1. Phillips® Head Socket
T42	6" Hand Driver	TP2	No. 2 Phillips® Head Socket
T4S	4 pc. Extension Set	TP3	No. 3 Phillips® Head Socket

**39074 74 Piece 1/2" Dr. Chrome 6 Pt. Metric Set includes 9109 (Hand Box)**

**39074-T0 Tools Only**



**CONTAINS:**

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
35707	7 pc. Torx® Socket Set	8797	10" Ratchet
39019	19 pc. Socket Set	8798L	15" Reversible Ratchet
39218	18 pc. 1/2" Dr. Deep Socket Set	8799F	14 1/2" Flexible Handle Ratchet
4206	1/2" Female, 3/8" Male Adapter	M1229H	29mm Socket
4298	1/2" Female, 3/4" Male Adapter	M1230H	30mm Socket
653L	18" Flexible Handle	M1231H	31mm Socket
686	19" Speeder	M1232H	32mm Socket
699	11" Sliding T-Handle	M1236H	36mm Socket
709	2 1/2" Universal Joint	MD1229H	29mm Deep Socket
715	15" Extension	MD1230H	30mm Deep Socket
718	5" Extension	MDW7LCP	7 pc. Hex Head Socket Set
718S	2" Extension	SB191615	Socket Rail
719	10" Extension		

**MS1069 69 Piece SAE & Metric Starter Set includes 97103 (Hand Box)**

**MS1069 -T0 Tools Only**



**CONTAINS:**

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
25011	11 pc. 3/8" Dr. Socket Set 3/8" to 1"	MC211	11 pc. Combination Wrench Set 9 - 19mm
29011	11 pc. 3/8" Dr. Socket Set 9 to 19mm	T3	3/8" Dr. Universal Joint
35012	12 pc. 1/2" Dr. Socket Set 7/16" to 1 1/8"	T31	3/8" Dr. 3" Extension
719	1/2" Dr. 10" Extension	T4	3/8" Dr. 6" Extension
8798	1/2" Dr. 10" Reversible Ratchet	T88	3/8" Dr. 7 1/2" Ratchet
C6LR	6 pc. Punch & Chisel Set	TU11	11 pc. Combination Wrench Set 3/8" to 1"

25069

**69 Piece 3/8" Dr. Chrome 6 Pt. SAE Socket & Attachment Set includes 9107 (Hand Box)**

25069-TO

**Tools Only**



**CONTAINS:**

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
21221	5/8" Spark Plug Socket	T31	3" Extension	TH22	1 1/16" Socket
4215	3/8" Female, 1/2" Male Adapter	T4	6" Extension	TH24	3/4" Socket
4216	3/8" Female, 1/4" Male Adapter	T41	8" Extension	TH26	13/16" Socket
MF8	7 1/4" Flexible Extension	T42	6" Hand Driver	TH28	7/8" Socket
SB061207	Socket Rail	T5	12" Extension	TH30	15/16" Socket
SB081209	Socket Rail	T58	Ratchet Adapter	TH32	1" Socket
SB111211	Socket Rail	T610	Torx® Socket T10	TH8S	1/4" Socket
SB111212	Socket Rail	T615	Torx® Socket T15	TP1	No. 1. Phillips® Head Socket
T1	1 1/2" Extension	T620	Torx® Socket T20	TP2	No. 2 Phillips® Head Socket
T100	5/16" Deep Socket	T625	Torx® Socket T25	TP3	No. 3 Phillips® Head Socket
T120	3/8" Deep Socket	T627	Torx® Socket T27	TU120	3/8" Universal Joint Socket
T140	7/16" Deep Socket	T630	Torx® Socket T30	TU140	7/16" Universal Joint Socket
T160	1/2" Deep Socket	T640	Torx® Socket T40	TU160	1/2" Universal Joint Socket
T180	9/16" Deep Socket	T645	Torx® Socket T45	TU180	9/16" Universal Joint Socket
T200	5/8" Deep Socket	T80	1/4" Deep Socket	TU200	5/8" Universal Joint Socket
T220	11/16" Deep Socket	T81	11" Flexible Head Ratchet	TU220	11/16" Universal Joint Socket
T240	3/4" Deep Socket	T88	7" Reversible Ratchet	TU240	3/4" Universal Joint Socket
T260	13/16" Deep Socket	T9	16 1/4" Speeder	TW4	1/8" Hex Head Socket
T280	7/8" Deep Socket	TH10	5/16" Socket	TW5	5/32" Hex Head Socket
T300	15/16" Deep Socket	TH12	3/8" Socket	TW6	3/16" Hex Head Socket
T320	1" Deep Socket	TH14	7/16" Socket	TW7	7/32" Hex Head Socket
T3	1 3/4" Universal Joint	TH16	1/2" Socket	TW8	1/4" Hex Head Socket
T30	9" Flexible Handle	TH18	9/16" Socket	TW10	5/16" Hex Head Socket
T36	7 3/4" Sliding T-Handle	TH20	5/8" Socket	TW12	3/8" Hex Head Socket

# MASTER SETS

25169

69 Piece 3/8" Dr. Chrome 12 Pt. SAE Socket & Attachment Set  
includes 9107 (Hand Box)

25169-T0

Tools Only



## CONTAINS:

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
21221	5/8" Spark Plug Socket	T14	7/16" Socket	T630	Torx® Socket T30
4215	3/8" Female, 1/2" Male Adapter	T16	1/2" Socket	T640	Torx® Socket T40
4216	3/8" Female, 1/4" Male Adapter	T18	9/16" Socket	T645	Torx® Socket T45
LT8	1/4" Deep Socket	T20	5/8" Socket	T8	1/4" Socket
LT10	5/16" Deep Socket	T22	11/16" Socket	T81	11" Flexible Head Ratchet
LT12	3/8" Deep Socket	T24	3/4" Socket	T88	7" Reversible Ratchet
LT14	7/16" Deep Socket	T26	13/16" Socket	T9	16 1/4" Speeder
LT16	1/2" Deep Socket	T28	7/8" Socket	TP1	No. 1 Phillips® Head Socket
LT18	9/16" Deep Socket	T3	1 3/4" Universal Joint	TP2	No. 2 Phillips® Head Socket
LT20	5/8" Deep Socket	T30	9" Flexible Head Ratchet	TP3	No. 3 Phillips® Head Socket
LT22	11/16" Deep Socket	T30S	15/16" Socket	TU120	3/8" Universal Joint Socket
LT24	3/4" Deep Socket	T31	3" Extension	TU140	7/16" Universal Joint Socket
LT26	19/16" Deep Socket	T32S	1" Socket	TU160	1/2" Universal Joint Socket
LT28	7/8" Deep Socket	T36	7 3/4" Sliding T-Handle	TU180	9/16" Universal Joint Socket
LT30	15/16" Deep Socket	T4	6" Extension	TU200	5/8" Universal Joint Socket
LT32	1" Deep Socket	T41	8" Extension	TU220	11/16" Universal Joint Socket
MF8	7 1/4" Flexible Extension	T42	6" Hand Driver	TU240	3/4" Universal Joint Socket
SB061207	Socket Rail	T5	12" Extension	TW4	1/8" Hex Head Socket
SB081209	Socket Rail	T610	Torx® Socket T10	TW5	5/32" Hex Head Socket
SB111212	Socket Rail	T615	Torx® Socket T15	TW6	3/16" Hex Head Socket
T1	1 1/2" Extension	T620	Torx® Socket T20	TW7	7/32" Hex Head Socket
T10	5/16" Socket	T625	Torx® Socket T25	TW8	1/4" Hex Head Socket
T12	3/8" Socket	T627	Torx® Socket T27	TW10	5/16" Hex Head Socket
				TW12	3/8" Hex Head Socket

35067

**67 Piece 1/2" Dr. Chrome 6 Pt. SAE Socket & Attachment Set  
includes 9109 (Hand Box)**

35067-TO

**Tools Only**



**CONTAINS:**

**PART NO. DESCRIPTION**

406	3/8" Socket
407	7/16" Socket
408	1/2" Socket
409	9/16" Socket
410	5/8" Socket
411	11/16" Socket
412	3/4" Socket
413	13/16" Socket
414	7/8" Socket
415	15/16" Socket
432	1" Socket
433	1 1/16" Socket
434	1 1/8" Socket
435	1 3/16" Socket
436	1 1/4" Socket
437	1 5/16" Socket
438	1 3/8" Socket
439	1 7/16" Socket
440	1 1/2" Socket
4206	1/2" Female, 3/8" Male Adapter
4298	1/2" Female, 3/4" Male Adapter
653L	18" Flexible Handle
686	19" Speeder

**PART NO. DESCRIPTION**

699	11" Sliding T-Handle
709	2 1/2" Universal Handle
715	15" Extension
718	5" Extension
718S	2" Extension
719	10" Extension
8797	10" Ratchet
8798L	15" Reversible Ratchet
8799F	14 1/2" Flexible Handle Ratchet
DW8L	1/4" Hex Head Socket
DW10L	5/16" Hex Head Socket
DW12L	3/8" Hex Head Socket
DW14L	7/16" Hex Head Socket
DW16L	1/2" Hex Head Socket
DW18L	9/16" Hex Head Socket
DW20L	5/8" Hex Head Socket
DW24L	3/4" Hex Head Socket
LDS12	3/8" Deep Socket
LDS14	7/16" Deep Socket
LDS16	1/2" Deep Socket
LDS18	9/16" Deep Socket
LDS20	5/8" Deep Socket
LDS22	11/16" Deep Socket

**PART NO. DESCRIPTION**

LDS24	3/4" Deep Socket
LDS26	13/16" Deep Socket
LDS28	7/8" Deep Socket
LDS30	15/16" Deep Socket
LDS32	1" Deep Socket
LDS34	1 1/16" Deep Socket
LDS36	1 1/8" Deep Socket
LDS38	1 3/16" Deep Socket
LDS40	1 1/4" Deep Socket
LDS42	1 5/16" Deep Socket
LDS44	1 3/8" Deep Socket
LDS46	1 7/16" Deep Socket
LDS48	1 1/2" Deep Socket
SB091608	Socket Rail
SB151611	Socket Rail
SB191615	Socket Rail
TX627	Torx® Socket T27
TX630	Torx® Socket T30
TX640	Torx® Socket T40
TX645	Torx® Socket T45
TX650	Torx® Socket T50
TX655	Torx® Socket T55
TX660	Torx® Socket T60

# TORQUE WRENCHES

Gray Tools offers a range of professional quality torque wrenches from ¼" drive to 1" drive, micrometer type, dial type, torque limiting screwdrivers and torque multipliers up to 3,200 ft./lbs. Gray Tools torque products are 100% quality tested at the time of manufacturing and are manufactured to the ANSI B107.14 specifications, US Federal Specification GGG-W-686 and ISO Standard 6789. The quality standards permits the torque accuracy to be within ±3% for micrometer style torque wrenches and 2% accuracy with dial type torque wrenches when the wrench is used within the 20-100% rated capacity.

For ISO 9000 and QS 9000 customers, calibration certificates are available for an additional charge. Gray Tools offers a 1 year limited warranty on manufacturing defects from date of purchase. Annual calibration and a scheduled maintenance program is highly recommended.

## FEATURES

- Operates and ratchets in both left and right hand directions. May be used for uncontrolled wrenching as long as torque does not exceed maximum capacity.
- Lock ring prevents accidental change of torque setting.
- Durable aluminum handle features an easy to grip diamond knurl surface and scratch resistant anodized coating.
- Ratchet reverses easily - has positive locking action.
- May be used continually at maximum torque capacity.
- Ratchet action requires only 10° of handle travel.
- Mechanism protected from routine contamination.
- Wrench made of highest quality heat-treated steel.
- Finished with tough, durable chromium-nickel plating.
- Can be used with confidence in all automotive, aircraft, marine and industrial applications.

## SUGGESTIONS

- **DO NOT OVERTORQUE !**
- Do not break fasteners loose.
- Do not replace worn parts individually, use entire contents of repair kit.
- Greater torque accuracy is assured by gripping it properly. Grasp the GRIP, not the SHAFT, and pull smoothly.
- Never attempt to turn the GRIP when the LOCK RING is in the "LOCK" position.
- Each torque wrench is lubricated before leaving the factory. If it has not been used for some time, it should be operated several times to re-distribute the lubricant within the working mechanism.
- Return adjustment to lowest settings after use.
- Periodically calibrate.
- Clean and lubricate ratchet assembly with light oil.

## Certificate of Calibration



Model No.: **DIN75A** Serial Number: **18005670518**  
 Type: **Micrometer adjustable**  
 Range: **15.00 ft.-lb. - 75.00 ft.-lb.** Calibration Equipment: **CDI Digitest**  
 Manufacturer: **Gray Hand Tool Sales Ltd.** Accuracy of Calibration: **± 0.25%**  
 Set Torque (ft.-lb.) Readings (ft.-lb.)

### Clockwise Torque (Tolerance: ± 4.0%)

15.00	15.08	0.5%	15.16	1.1%	15.13	0.9%
45.00	45.71	1.6%	45.46	1.0%	45.46	1.0%
75.00	77.13	2.8%	76.48	2.0%	76.48	2.0%

### Counterclockwise Torque (Tolerance: ± 6.0%)

15.00	14.94	-0.4%	14.99	-0.1%	14.91	-0.6%
45.00	44.74	-0.6%	44.74	-0.6%	44.89	-0.2%
75.00	74.54	-0.6%	75.36	0.5%	75.11	0.1%

Result: Measured values are within tolerance according to ASME B107.14M-1994 for Type II, Class A, Style 1&2, Design A

Date: Operator: **Winston Mugford** Supervisor:

Calibration is performed by comparison with reference standards which have been calibrated by a recognized NIST-laboratory and are therefore traceable to the National Institute of Standards and Technology. The issuer of this certificate bears sole responsibility for calibration and documentation thereof. Duplication of this certificate or parts hereof is prohibited.

## CERTIFICATION

This torque wrench was calibrated prior to shipment from the factory within tolerance limits of ± 3% clockwise (right-handed) accuracy within upper 80% of range.

## LIMITED WARRANTY

Until one year from date of purchase, we will repair any defect in material or workmanship free of charge. Improper use of these products, including but not limited to the application of excessive force, will effect performance and may result in injury. The warranty does not apply to wrenches which do not function properly or within specified accuracy because of wear, improper or unreasonable use, damage not resulting from defect or malfunction, or which have been altered. Calibration is warranted for 90 days.

*For repair or calibration send torque wrench, postage prepaid, to:*

**Gray Hand Tool Sales Inc.**  
 Attn: Repair Department  
 299 Orenda Road  
 Brampton, Ontario  
 L6T 1E8

Factory certification included with all micrometer torque wrenches.



### 1/4" Micro-adjustable, Click-Type

Square Drive	Part No.	Capacity in. lb. (Nm)	Increments in. lb. (Nm)	Head Style	Length
1/4"	<b>71200</b>	30-200 (3.96-23.16)	1 (0.11)	Fixed Ratchet	10 1/4"

Torques both directions with quick release  
Includes Custom Molded Plastic Case



### 3/8" Micro-adjustable, Click-Type

Square Drive	Part No.	Capacity in. lb. (Nm)	Increments in. lb. (Nm)	Head Style	Length
3/8"	<b>72250</b>	50-250 (6.22-28.85)	1 (0.11)	Fixed Ratchet	10"

Square Drive	Part No.	Capacity ft. lb. (Nm)	Increments ft. lb. (Nm)	Head Style	Length
3/8"	* <b>72075</b>	5-75 (10.1-105.1)	0.5 (0.7)	Flex Ratchet	17 5/8"
3/8"	* <b>72100</b>	10-100 (16.9-138.9)	0.5 (0.7)	Fixed Ratchet	17 3/4"

Torques both directions \* with quick release  
Includes Custom Molded Plastic Case



### 1/2" Micro-adjustable, Click-Type

Square Drive	Part No.	Capacity ft. lb. (Nm)	Increments ft. lb. (Nm)	Head Style	Length
1/2"	<b>73250</b>	25-250 (43.4-348.4)	1 (1.4)	Fixed Ratchet	21 3/4"
1/2"	<b>73251</b>	25-250 (43.4-348.4)	1 (1.4)	Flex Ratchet	22 1/2"

Torques both directions with quick release  
Includes Custom Molded Plastic Case



### 3/4" & 1" Micro-adjustable, Click-Type

Square Drive	Part No.	Capacity ft. lb. (Nm)	Increments ft. lb. (Nm)	Head Style	Length
3/4"	* <b>74600</b>	100-600 (153-830)	2.5 (3.4)	Round Head Fixed	41 1/4"
3/4"	* <b>MFR600HD</b>	100-600 (153-830)	5 (7)	Tear Drop Head Fixed	43"
1"	** <b>MF2000</b>	300-2,000 (474-2700)	10 (13.5)	Plain Head	109"

\*\* Torques both directions  
\* Includes Custom Molded Plastic Case

All torque wrenches meet or exceed Federal Spec. GGG-W-00686C. ANSI/ASME B107.14M ISO 6789

# TORQUE WRENCHES



## Dial Type with Memory Needle - Inch Pound

Square Drive	Part No.	Capacity in. lb. (Nm)	Increments in. lb. (Nm)	Length
1/4"	<b>DIN75A</b>	0-75 (0-9)	0.5 (0.25)	10"
3/8"	<b>DIN250A</b>	0-250 (0-30)	5 (0.5)	12 1/4"
3/8"	<b>DIN600A</b>	0-600 (0-70)	10 (2)	12 1/4"

Includes Custom Molded Plastic Case



## Dial Type With Memory Needle - Foot Pound

Square Drive	Part No.	Capacity ft. lb. (Nm)	Increments ft. lb. (Nm)	Length
3/8"	<b>DFN50A</b>	0-50 (0-70)	1 (2)	12"
1/2"	<b>DFN250A</b>	0-250 (0-350)	5 (10)	20 1/2"
1"	<b>**DFE1000</b>	0-1000 (0-1,400)	20 (25)	74"

\*\* Electric Light and Audible Buzzer in Metal Box

Includes Custom Molded Plastic Case



## Torque Screwdriver - Micrometer Adjustable

Part No.	Capacity in. lb.	Female Hex	Increments in. lbs.	Length in.	Width in.
<b>SM40</b>	5-40	1/4"	.5	5	1.2

Part No.	Capacity in. oz.	Female Hex	Increments in. oz.	Length in.	Width in.
<b>SM100</b>	20-100	1/4"	1	3.8	1.1



TM2200



TM1200



TM750A

## Torque Multipliers

Part No.	Input Drive	Output Drive	Max Input Torque ft. lb. (Nm)	Max Output Torque ft. lb. (Nm)	Torque Ratio	Length in. (mm)	Weight with Case	Accuracy	Overload Protection	Anti Backlash
<b>TM750A</b>	1/2" F	3/4" M	750	1017	3.3:1	8.6 (218)	4.0	+/- 5%	No	No
<b>TM1200*</b>	1/2" F	3/4" M	1200	1627	6.0:1	14.1.(358)	12.5	+/- 5%	Yes	No
<b>TM2200*</b>	1/2" F	1" M	2200	1627	13.6:1	19.6 (498)	15.2	+/- 5%	Yes	Yes
<b>TM3200*</b>	1/2" F	1" M	3200	4339	18.5:1	19.6 (498)	19.9	+/- 5%	Yes	Yes

\* Includes Custom Molded Plastic Case