

## BRAZING, SOLDERING & WELDING EQUIPMENT

### WELDING/BRAZING OUTFITS



#### Welding/Brazing Outfits – Uniweld



PART NO	VENDOR PART NO	HANDLE	CUTTING ATTACHMENT	CUTTING TIP	BRAZING TIP/NOZZLE	TANK KEY	CARRYING STAND	OXYGEN CYL	FUEL CYL	OXYGEN REG	FUEL REG	HOSE	GOGGLES	ACETYL CK VALVE	OXYGEN CK VALVE	STRIKER
87-K23	K23	87-71	Not Incl.	Not Incl.	87-TYPE17#0 87-TYPE17#2	Incl.	Not Incl.	Not Incl.	Not Incl.	87-RO	87-RMC2	87-H32A	Incl.	Not Incl.	Not Incl.	87-FL34
87-K23C	K23C	87-71	Not Incl.	Not Incl.	87-TYPE17#0 87-TYPE17#2	Incl.	87-500S	Not Incl.	Not Incl.	87-RO	87-RMC2	87-H32A	Incl.	Not Incl.	Not Incl.	87-FL34
87-K23P	K23P	87-71	Not Incl.	Not Incl.	87-TYPE17#0 87-TYPE17#2	Incl.	87-511	Not Incl.	Not Incl.	87-RO	87-RMC2	87-H32A	Incl.	Not Incl.	Not Incl.	87-FL34



#### Welding/Brazing Outfit – Cap'n Hook



PART NO	VENDOR PART NO	HANDLE	CUTTING ATTACHMENT	CUTTING TIP	BRAZING TIP/NOZZLE	TANK KEY	CARRYING STAND	OXYGEN CYL	FUEL CYL	OXYGEN REG	FUEL REG	HOSE	GOGGLES	ACETYL CK VALVE	OXYGEN CK VALVE	STRIKER
87-K22C	K22C	87-71	Not Incl.	Not Incl.	87-TYPE#2	Incl.	87-500S	Not Incl.	Not Incl.	87-RO	87-RMC2	87-H32A	Incl.	Not Incl.	Not Incl.	87-FL3

### WELDING/BRAZING/CUTTING OUTFITS



#### Welding/Brazing/Cutting Outfits – Uniweld



PART NO	VENDOR PART NO	HANDLE	CUTTING ATTACHMENT	CUTTING TIP	BRAZING TIP/NOZZLE	TANK KEY	CARRYING STAND	OXYGEN CYL	FUEL CYL	OXYGEN REG	FUEL REG	HOSE	GOGGLES	ACETYL CK VALVE	OXYGEN CK VALVE	STRIKER
87-KL71-4	KL71-4	87-71	Incl.	Incl.	87-TYPE17#0 87-TYPE17#1, 87-TYPE17#2	Incl.	Not Incl.	Not Incl.	Not Incl.	87-RO	87-RMC2	87-H32A	Incl.	Not Incl.	Not Incl.	87-FL34
87-KLC100P	KLC100P	87-71	Incl.	Incl.	87-TYPE17#0 87-TYPE17#2	Incl.	87-511	Not Incl.	Not Incl.	Incl.	Incl.	87-H32A	Incl.	Not Incl.	Not Incl.	87-FL34

# BRAZING, SOLDERING & WELDING EQUIPMENT

## WELDING/BRAZING/CUTTING OUTFITS



### Welding/Brazing/Cutting Outfits – TurboTorch



PART NO	VENDOR PART NO	HANDLE	CUTTING ATTACHMENT	CUTTING TIP	BRAZING TIP/NOZZLE	TANK KEY	CARRYING STAND	OXYGEN CYL	FUEL CYL	OXYGEN REG	FUEL REG	HOSE	GOGGLES	ACETYL CK VALVE	OXYGEN CK VALVE	STRIKER
0386-1320	CST-P	Incl.	Not Incl.	Not Incl.	0387-0040 0387-0042	Not Incl.	Incl. (MC & R)	Not Incl.	Not Incl.	Incl.	Incl.	0386-1094	Incl.	Incl.	Incl.	Incl.
0386-1321	CST-PT	Incl.	Not Incl.	Not Incl.	0387-0040 0387-0042	Incl.	Incl. (MC & R)	Type R	Type MC	Incl.	Incl.	0386-1094	Incl.	Incl.	Incl.	Incl.
0386-1322	CST-CP	Incl.	Incl.	Incl.	0387-0040 0387-0042	Not Incl.	Incl. (MC & R)	Not Incl.	Not Incl.	Incl.	Incl.	0386-1094	Incl.	Incl.	Incl.	Incl.
0386-1323	CST-CPT	Incl.	Incl.	Incl.	0387-0040 0387-0042	Incl.	Incl. (MC & R)	Type R	Type MC	Incl.	Incl.	0386-1094	Incl.	Incl.	Incl.	Incl.
0386-1324	CST-CM	Incl.	Incl.	Incl.	0387-0040 0387-0042	Not Incl.	Incl. (MC & R)	Not Incl.	Not Incl.	Incl.	Incl.	0386-1094	Incl.	Incl.	Incl.	Incl.
0386-1325	CST-150C	Incl.	Incl.	Incl.	0387-0040 0387-0042	Not Incl.	Not Incl.	Not Incl.	Not Incl.	Incl.	Incl.	0386-1094	Incl.	Incl.	Incl.	Incl.
0386-1326	CST-150	Incl.	Incl.	Incl.	0387-0040 0387-0042	Not Incl.	Not Incl.	Not Incl.	Not Incl.	Incl.	Incl.	0386-1094	Incl.	Incl.	Incl.	Incl.

## TORCH KITS



### 87-89600 (89600) Air/Acetylene Torch Kit



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
87-89600	89600	3	1-5/8	87-TH6	87-H12	87-RB	87-A-3	RB

### 0386-0335 (X-3B) Air/Acetylene Torch Kit



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0335	X-3B	3	1-5/8	0386-0308	0386-1090	0386-0725	0386-0101	B

### 0386-0336 (X-4B) Air/Acetylene Torch Kit



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0336	X-4B	3-1/2	2	0386-0308	0386-1090	0386-0725	0386-0102	B

## BRAZING, SOLDERING & WELDING EQUIPMENT

### TORCH KITS



#### 0386-0338 (X-5B) Air/Acetylene Torch Kit



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0338	X-5B	1-1/2	3/4	0386-0308	0386-1090	0386-0725	0386-0102	B



#### 0386-0339 (X-6MC) Air/Acetylene Torch Kit



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0339	X-6MC	2	1	0386-0308	0386-1090	0386-0726	0386-0101	MC



#### 0386-0832 (PL-5ADLX-MC) Air/Acetylene Torch Kit – Self-Igniting



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0832	PL-5ADLX-MC	1-1/2	3/4	0386-0308	0386-1090	0386-0726	Self-Igniting 3/16 in.	MC



#### 0386-0833 (PL-5ADLX-B) Air/Acetylene Torch Kit – Self-Igniting



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0833	PL-5ADLX-B	1-1/2	3/4	0386-0308	0386-1090	0386-0725	Self-Igniting 3/16 in.	B



#### 0386-0834 (PL-8ADLX-MC) Air/Acetylene Torch Kit – Self-Igniting



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0834	PL-8ADLX-MC	2	1	0386-0308	0386-1090	0386-0726	Self-Igniting 5/16 in.	MC



#### 0386-0835 (PL-8ADLX-B) Air/Acetylene Torch Kit – Self-Igniting



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0835	PL-8ADLX-B	2	1	0386-0308	0386-1090	0386-0725	Self-Igniting 5/16 in.	B

**BRAZING, SOLDERING & WELDING EQUIPMENT**

**TORCH KITS**



**0386-0836 (PL-12ADLX-B)**  
Air/Acetylene Torch Kit – Self-Igniting



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0836	PL-12ADLX-B	3-1/2	2	0386-0308	0386-1090	0386-0725	Self-Igniting 3/8 in.	B



**0426-0011 (TDLX2003)**  
Air/Acetylene Torch Kit w/Carrying Stand – Self-Igniting

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0426-0011	TDLX2003	2	1/2 to 1	0386-0308	0386-1090	0386-0726	0386-0103	MC



**0386-0574 (TDLX2003B)**  
Air/Acetylene Torch Kit w/Carrying Tote – Self-Igniting

PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	HANDLE	HOSE	REGULATOR	INCLUDES TIP	TANK CONNECTION
0386-0574	TDLX2003B	1/4 to 2	1/8 to 1	0386-0308	0386-1090	0386-0725	0386-0101	B

**HAND TORCH KITS**



**Propane/MAPP Hand Torch Kit**



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
87-RP3T5	RP3T5	Up to 1	Up to 5/8	Up to 1-1/2	Up to 7/8

**Propane/MAPP Hand Torch Kit – Self-Igniting**



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
87-RP3T6	RP3T6	Up to 1	Up to 5/8	Up to 1-1/2	Up to 7/8



**0386-0403 (STK-9) Propane/MAPP Hand Torch Kit**



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-0403	STK-9	1/4 to 3	1/4 to 1	1/4 to 3-1/2	1/4 to 1-3/4	0386-0171

**BRAZING, SOLDERING & WELDING EQUIPMENT**

**HAND TORCH KITS**



**0386-0575 (STK-31) Propane/MAPP Hand Torch Kit**



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-0575	STK-31	Up to 3	Up to 1	Up to 3-1/2	Up to 1-3/4	0386-0170 0386-0171



**0386-1283 (STK-11)**

**Propane/MAPP Hand Torch Kit – Double Tip**



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-1283	STK-11	1 to 4	1/2 to 2	1-1/2 to 2	3/4 to 3	0386-1282



**0386-0851 (STK-99)**

**Propane/MAPP Hand Torch Kit – Self-Igniting**



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-0851	STK-99	1/4 to 3	1/4 to 1	1/4 to 3-1/2	1/4 to 1-3/4	0386-0850



**0386-1293 (TX504)**

**Propane/MAPP Hand Torch Kit – Self-Igniting**



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-1293	TX504	3/4 to 3	1/4 to 1	3/4 to 4	1/4 to 1-1/4	0386-1296



**0386-1297 (TX503)**

**Propane/MAPP Hand Torch Kit – Self-Igniting**



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-1297	TX503	1/8 to 2	1/16 to 3/4	1/8 to 3	1/16 to 1	0386-1298



**0386-1299 (TX500)**

**Propane/MAPP Hand Torch Kit – Self-Igniting**



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)	INCLUDES TIP
0386-1299	TX500	1/8 to 3	1/16 to 1	1/8 to 4	1/16 to 1-1/4	0386-1296 0386-1298

# BRAZING, SOLDERING & WELDING EQUIPMENT

## HAND TORCH KITS



### 0386-0170 (ST-1) Propane/MAPP Tip



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-0170	ST-1	1/8 to 1/2	1/8 to 3/8	1/8 to 3/4	1/8 to 1/2



### 0386-0171 (ST-3) Propane/MAPP Tip



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-0171	ST-3	1/4 to 3	1/4 to 1	1/4 to 3-1/2	1/4 to 1-3/4



### 0386-1282 (ST-11) Propane/MAPP Tip



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-1282	ST-11	1 to 4	1/2 to 2	1-1/2 to 6	3/4 to 3



### 0386-1296 (T-504) Propane/MAPP Tip



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-1296	T-504	3/4 to 3	1/4 to 1	3/4 to 4	1/4 to 1-1/4



### 0386-1298 (T-503) Propane/MAPP Tip



PART NO	VENDOR PART NO	PROPANE SOFT SOLDER COPPER TUBE SIZE (IN)	PROPANE SILVER BRAZE COPPER TUBE SIZE (IN)	MAPP SOFT SOLDER COPPER TUBE SIZE (IN)	MAPP SILVER BRAZE COPPER TUBE SIZE (IN)
0386-1298	T503	1/8 to 2	1/16 to 3/4	1/8 to 3	1/16 to 1



### Oxy/Acetylene Brazing Nozzles



PART NO	TIP SIZE (IN)	OXY/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	USED WITH HANDLE
0387-0040	0	1/4 to 1	0386-0311
0387-0039	00	1/8 to 3/4	0386-0311
0387-0041	1	1/4 to 1-1/4	0386-0311
0387-0042	2	1/2 to 1-1/2	0386-0311
0387-0043	3	3/4 to 1-3/4	0386-0311

# BRAZING, SOLDERING & WELDING EQUIPMENT

## ACETYLENE TIPS

### Acetylene Twister Tips



PART NO	VENDOR PART NO	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
87-A-11	A-11	1-1/4 to 3	7/8 to 1-5/8
87-A-3	A-3	Up to 1	Up to 1/2
87-A-5	A-5	3/4 to 1-1/2	1/4 to 3/4
87-A-8	A-8	1 to 2	1/2 to 1

### Type17 Weld/Braze Tips



PART NO	VENDOR PART NO	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)	WELDING MATERIAL THICKNESS (IN)
87-TYPE17#0	TYPE 17#0	1/2	5/64
87-TYPE17#2	TYPE 17#2	1	1/8
87-TYPE17#3	TYPE 17#3	1-1/2	3/16
87-TYPE17#4	TYPE 17#4	2	1/4

### Micro 6000 Miniature Tips



PART NO	VENDOR PART NO	OXY/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
87-MTW#2	MTW#2	Up to 1

### Cap'n Hook Tips



PART NO	VENDOR PART NO	OXY/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
87-MTF#3	MTF#3	7/8 to 1-5/8
MTF-5	MTF-5	Up to 1

### Rosebud Heating Tips



PART NO	VENDOR PART NO	OXY/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
87-TYPE17#15	TYPE 17#15	1/8 to 2-5/8
87-TYPE17-30	TYPE 17#30	1/2 to 6

### Extreme Self-Igniting Tips



PART NO	VENDOR PART NO	TIP SIZE (IN)	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
0386-0818	PL-5A	3/16	3/4 to 1-1/2	1/4 to 3/4
0386-0874	PL-3A	1/4	1/4 to 1	1/8 to 1/2
0386-0819	PL-8A	5/16	1 to 2	1/2 to 1
0386-0820	PL-12A	3/8	2 to 4	1 to 2

# BRAZING, SOLDERING & WELDING EQUIPMENT

## ACETYLENE TIPS



### Extreme Standard Tips



PART NO	VENDOR PART NO	TIP SIZE (IN)	AIR/ACETYLENE SOFT SOLDER COPPER TUBE SIZE (IN)	AIR/ACETYLENE SILVER BRAZE COPPER TUBE SIZE (IN)
0386-100	A-2	1/8	1/8 to 1/2	1/8 to 1/4
0386-0101	A-3	3/16	1/4 to 1	1/8 to 1/2
0386-0102	A-5	1/4	3/4 to 1-1/2	1/4 to 3/4
0386-0103	A-8	5/16	1 to 2	1/2 to 1
0386-0104	A-11	7/16	1-1/2 to 3	7/8 to 1-5/8
0386-0105	A-14	1/2	2 to 3-1/2	1 to 2
0386-0106	A-32	3/4	4 to 6	1-1/2 to 4

## TORCH HANDLES



### 87-TH6 (TH6) Air/Acetylene Torch Handle



PART NO	VENDOR PART NO	FUEL	HOSE CONNECTION
87-TH6	TH6	Air/Acetylene	A-LH (3/8-24)



### 87-71 (71) Oxy/Acetylene Torch Handle



PART NO	VENDOR PART NO	FUEL	HOSE CONNECTION
87-71	71	Oxy/Acetylene	A- LH (3/8-24) and A-RH (3/8-24)



### Check Valve for Torch/Welding Handles

Provides protection against reverse flow of gases, but not flame flashback.



PART NO	VENDOR PART NO	DESCRIPTION
87-TCVA	TCVA	Check Valves [A-LH (3/8-24) and A-RH (3/8-24)]



### 0386-0308 (G4) Oxy/Acetylene Torch Handle



PART NO	VENDOR PART NO	FUEL	HOSE CONNECTION
0386-0308	G4	Air/Acetylene	A-LH (3/8-24)



### 0386-0311 (103-01FP) Oxy/Acetylene Torch Handle



PART NO	VENDOR PART NO	FUEL	HOSE CONNECTION
0386-0311	103-01FP	Oxy/Acetylene	A- LH (3/8-24) and A-RH (3/8-24)

## CUTTING TOOLS



### Cutting Attachment - Oxy/Acetylene



PART NO	VENDOR PART NO	DESCRIPTION
87-CA550	CA550	Cutting Attachment - Oxy/Acetylene

# BRAZING, SOLDERING & WELDING EQUIPMENT

## CUTTING TOOLS



### Cutting Tip – Oxy/Acetylene



PART NO	VENDOR PART NO	DESCRIPTION
87-5-101#OD	5-101#OD	Oxy/Acetylene Cutting Tip



### Cutting Attachment – Oxy/Acetylene



PART NO	DESCRIPTION
0387-0003	Cutting Attachment - Oxy/Acetylene (CA1260-CS)

## REGULATORS



### Regulators – Acetylene



PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
87-RB	Acetylene	400 (Full)	—	2 to 15	1-1/2	520	A-LH (3/8-24)
87-RMC2	Acetylene	400 (Full)	30	2 to 15	1-1/2	200	A-LH (3/8-24)



### Regulators – Nitrogen



PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
87-R1563	Nitrogen	4000	300	5 to 175	1-1/2	580	1/4 SAE male



### Regulators – Nitrogen/CO2



PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
87-RHP400	Nitrogen, CO2	4000	600	20 to 400	1-1/2	580	1/4 SAE male
87-RHP500	Nitrogen, CO2	4000	600	20 to 500	1-1/2	580	1/4 SAE male



### Regulators – Oxygen



PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
87-RO	Oxygen	4000	100	2 to 60	1-1/2	540	A-RH (3/8-24)



### Regulators – Acetylene (MC or B Tanks)



PART NO	VENDOR REF NO	FUEL	INLET CONNECT (CGA)	OUTLET CONNECTION
0386-0725	AR-B	Acetylene	(Fits B tank)	A-LH (3/8-24)
0386-0726	AR-MC	Acetylene	(Fits MC tank)	A-LH (3/8-24)



### Regulators – Acetylene



PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
0386-0784	Acetylene	400	30	2 to 15	1-1/2	200	A-LH (3/8-24)

**BRAZING, SOLDERING & WELDING EQUIPMENT**

**REGULATORS**



**Regulators – Nitrogen**



PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
0386-0814	Nitrogen	4000	600	0 to 500	1-1/2	580	1/4 SAE male



**Regulators – Oxygen**



PART NO	FUEL	HIGH PRESSURE GAUGE (PSIG)	LOW PRESSURE GAUGE (PSIG)	DELIVERY RANGE (PSIG)	GAUGE DIAMETER (IN)	INLET CONNECT (CGA)	OUTLET CONNECTION
0386-0786	Oxygen	4000	100	4 to 80	1-1/2	540	A-RH (3/8-24)

**GAUGES**



**Gauges**



PART NO	VENDOR PART NO	FUEL	MAXIMUM PRESSURE (PSIG)	GAUGE DIAMETER (IN)	STEEL CASE COLOR	PROTECTIVE BOOT	THREAD SIZE NPT (IN)
87-G15-D	G15-D	Acetylene	30	1-1/2	Red	Yes	1/8
87-G19-D	G19-D	Acetylene	400 (Full)	1-1/2	Red	Yes	1/8
87-G49-D	G49-D	—	100	1-1/2	Green	Yes	1/8
87-G7SD	G7SD	—	4,000	1-1/2	Gold	—	1/8
87-G56-D	G56-D	—	4,000	1-1/2	Green	Yes	1/8
87-G8D	G8D	—	600	1-1/2	Brass	—	1/8

**HOSES**



**Acetylene Hoses – Uniweld**



PART NO	VENDOR PART NO	FITTING TYPE	HOSE LENGTH (FT)
87-H12	H12	A-LH (3/8-24)	12-1/2



**Acetylene Hoses – TurboTorch**



PART NO	VENDOR PART NO	FITTING TYPE	HOSE LENGTH (FT)
0386-1090	AH-12	A-LH (3/8-24)	12
0386-1091	AH-24	A-LH (3/8-24)	24

**Oxy/Acetylene Hose Sets – Uniweld**



PART NO	VENDOR PART NO	FITTING TYPE	HOSE LENGTH (FT)
87-H32A	H32A	A-LH (3/8-24) and A-RH (3/8-24)	12-1/2



**Oxy/Acetylene Hose Sets – TurboTorch**



PART NO	VENDOR PART NO	FITTING TYPE	HOSE LENGTH (FT)
0386-1094	252-03P	A-LH (3/8-24) and A-RH (3/8-24)	12-1/2

# BRAZING, SOLDERING & WELDING EQUIPMENT

## TANK CARRYING STANDS



### Tank Carrying Stand – One B Tank



PART NO	VENDOR PART NO	DESCRIPTION
87-502	502	Tank Carrying Stand - One B Tank



### Tank Carrying Stand – One MC Tank & One R Tank



PART NO	VENDOR PART NO	DESCRIPTION
87-500S	500S	Tank Carrying Stand - One MC Tank & One R Tank



### Tank Carrying Stand – One MC, PDC, or MDC Tank & One R Tank



PART NO	VENDOR PART NO	DESCRIPTION
87-511	511	Tank Carrying Stand - One MC, PDC, or MDC Tank & One R Tank



### Tank Carrying Stand – One 40/55 cu. ft. Nitrogen Tank or One 10 lb. CO2 Tank



PART NO	VENDOR PART NO	DESCRIPTION
87-516	516	Tank Carrying Stand - One 40/55 cu. ft. Nitrogen Tank or One 10 pound CO2 Tank



### Tank Carrying Handle – One B Tank



PART NO	VENDOR REF NO	DESCRIPTION
1421-0016	TT-150 B	Tank Carrying Handle - One B Tank



### Tank Carrying Stand – One B Tank



PART NO	VENDOR REF NO	DESCRIPTION
1421-0034	TT-B	Tank Carrying Stand - One B Tank

**BRAZING, SOLDERING & WELDING EQUIPMENT**



**TANK CARRYING STANDS**

**Tank Carrying Stand – One MC Tank & One R Tank**



PART NO	VENDOR REF NO	DESCRIPTION
1421-0036	TT-MCR	Tank Carrying Stand - One MC Tank & One R Tank



**Tank Carrying Stand – One MC Tank & One R Tank (Turbo Tote)**



PART NO	VENDOR REF NO	DESCRIPTION
0386-1241	—	Tank Carrying Stand - One MC Tank & One R Tank (Turbo Tote)



**Tank Carrying Stand – One MC Tank or One MT-1 MAPP Tank**



PART NO	VENDOR REF NO	DESCRIPTION
1421-0035	TT-MC	Tank Carrying Stand - One MC Tank or One MT-1 MAPP Tank



**87-BG1 (BG1) Blow Gun**



PART NO	VENDOR PART NO	DESCRIPTION
87-BG1	BG1	Blow Gun



**Nitrogen Blow Gun Kits**



PART NO	DESCRIPTION
0386-1234	Nitrogen Purge & Blow Gun Kit - Fits 20 Cu. Ft. Tank Not Included (NPK-20)
0386-1236	Nitrogen Purge & Blow Gun Kit - Fits 40 Cu. Ft. Tank Not Included (NPK-40)
0426-0009	Nitrogen Purge & Blow Gun Kit - Includes 40 Cu. Ft. Tank (SKP-40T)



**Flint Lighters**



PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
87-FL3437	FL3437	Flint Lighter w/5 Spare Flints	—	—
87-FL34	FL34	Flint Lighter	10	Yes

## BRAZING, SOLDERING & WELDING EQUIPMENT



### Job Knob

Many acetylene tanks do not come with a mechanism to open the valve, only a metal shank. The Job Knob offers the user the ability to open and close the valve with ease without jeopardizing the integrity of the shank. It magnetically stays with the tank in use until the time of exchange, where it can easily slide onto the new tank valve.

- No more stripping the stem
  - Fits large and small tanks
  - Stays on magnetically - 2 lb. draw from magnet
  - Removable- easily slides onto new tank valve
  - Temperature range: -50 to 400°F
- CAUTION: Make sure valve stem is completely shut off and hoses are bled before storing tanks

PART NO	DESCRIPTION
JOBKNOB	The Job Knob

## SOLDERING IRONS & GUNS

### Soldering Irons

- Stainless steel barrel
- Lightweight heat and impact resistant pencil handle
- Power indicator light



PART NO	INPUT VOLTAGE (V)	OUTPUT (W)	TEMP RANGE (°F)	LENGTH (IN)	TIP
87-SP23L	120	25	750	8-1/4	Replaceable - Includes MT1 1/8 in. Nickel plated copper tip
87-SP40L	120	40	900	8-1/4	Replaceable - Includes MT10 1/4 in. Nickel plated copper tip

### Soldering Guns

- Fingertip trigger selects high (1st position) or low output (2nd position)
- Efficient tin-plated copper tip
- Light illuminates work



PART NO	VENDOR PART NO	INPUT VOLTAGE (V)	OUTPUT (W)	TEMP RANGE (°F)
87-D550	D550	120	260/200	1100/900

## VACUUM PUMPS & GAUGES

### VACUUM PUMPS

#### Vacuum Pumps – Two Stage



PART NO	VENDOR PART NO	NO OF STAGES	FREE AIR DISPLACEMENT (CFM)	ULTIMATE VACUUM (MICRONS HG)	HORSE POWER (HP)	NOMINAL PUMP SPEED (RPM)	INLET PORTS	SUPPLY VOLTAGE (V)	WEIGHT (LBS)
VP6D	VP6D	2	6.25	15	1/2	3440	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120, 230	25

#### Vacuum Pumps – Single Stage



PART NO	VENDOR PART NO	NO OF STAGES	FREE AIR DISPLACEMENT (CFM)	ULTIMATE VACUUM (MICRONS HG)	HORSE POWER (HP)	NOMINAL PUMP SPEED (RPM)	INLET PORTS	SUPPLY VOLTAGE (V)	WEIGHT (LBS)
VP6S	VP6S	1	5.85	100	1/3	1720	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120, 230	25

#### Vacuum Pumps – Two Stage



PART NO	VENDOR PART NO	NO OF STAGES	FREE AIR DISPLACEMENT (CFM)	ULTIMATE VACUUM (MICRONS HG)	HORSE POWER (HP)	NOMINAL PUMP SPEED (RPM)	INLET PORTS	SUPPLY VOLTAGE (V)	WEIGHT (LBS)
87-90060	90060	2	1.5	50	1/6	3450	1/4 in. SAE, 1/2 in. ACME	120	12
90065	90065	2	5	25	1/3	1725	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120	32
90066-2V-110	90066-2V-110	2	6	15	1/3	3440	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120	25
90067	90067	2	7.5	25	1/2	1725	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120	34
90070-2V-110	90070-2V-110	2	10	12	1/2	3440	1/4 in. SAE, 3/8 in. SAE, 1/2 in. ACME	120	33

## VACUUM PUMPS & GAUGES

### VACUUM GAUGES



#### 87-VG200 (VG200) Vacuum Gauge – Digital

**cps®**

Advanced measurement instrument provides continual digital readout of evacuation process on large five digit LCD. Measurement units are at the touch of a key. Advanced surface mount technology automatically compensates for ambient changes in the environment ensuring accuracy and consistency in performance. Advanced field-cleanable sensor is able to withstand 400 psi of positive pressure. Unit operates 30 hours on 9V alkaline battery with low battery indicator and auto-off feature.

- Operating range to 0 microns Hg; accuracy +/- 10%; user selectable to read in microns Hg, Torr, in/Hg or mbar
- Self-heated thermistor bridge with integral temperature compensation from 32 to 122°F
- Standard 1/4 inch SAE connector with core depressor
- Includes carrying case, hanging hook, tee and 9V battery

PART NO	VENDOR PART NO	DESCRIPTION
87-VG200	VG200	Vacuum Gauge - Digital



#### 87-VG100A (VG100A) Vacuum Gauge – LED

**cps®**

Compact self-contained instrument designed to provide constant indication and monitoring of the evacuation process from start to finish. Nine discrete high intensity LEDs are preset to illuminate upon achieving industry standards for proper system evacuations. Advanced surface mount technology automatically compensates for ambient changes in the environment ensuring accuracy and consistency in performance. Advanced field-cleanable sensor is able to withstand 400 psi of positive pressure. Unit

- operates 25 hours on 9V alkaline battery with low battery indicator and auto-off feature.
- Operating range to 25 microns Hg; accuracy +/- 10%
  - Self-heated thermistor bridge with integral temperature compensation from 32 to 122°F
  - Standard 1/4 inch SAE connector with core depressor
  - Includes carrying case, hanging hook, tee and 9V battery

PART NO	VENDOR PART NO	DESCRIPTION
87-VG100A	VG100A	Vacuum Gauge - LED

## REFRIGERANT RECOVERY SYSTEMS



#### 87-CR500 (CR500) Refrigerant Recovery System

**cps®**

PART NO	VENDOR PART NO	MAX RECOVERY RATE DIRECT VAPOR (LBS/MIN)	MAX RECOVERY RATE DIRECT LIQUID (LBS/MIN)	MAX RECOVERY RATE PUSH-PULL LIQUID (LBS/MIN)	MAXIMUM WORKING PRESSURE (PSI)	SUPPLY VOLTAGE (V)	HORSE POWER (HP)	WEIGHT (LBS)
87-CR500	CR500	0.38	3	12.22	550	120	1/3	20



#### 87-CR700 (CR700) Refrigerant Recovery System

**cps®**

PART NO	VENDOR PART NO	MAX RECOVERY RATE DIRECT VAPOR (LBS/MIN)	MAX RECOVERY RATE DIRECT LIQUID (LBS/MIN)	MAX RECOVERY RATE PUSH-PULL LIQUID (LBS/MIN)	MAXIMUM WORKING PRESSURE (PSI)	SUPPLY VOLTAGE (V)	HORSE POWER (HP)	WEIGHT (LBS)
87-CR700	CR700	1.60	10	20	550	120	1	34



#### TR21 Refrigerant Recovery System

**cps®**

PART NO	VENDOR PART NO	MAX RECOVERY RATE DIRECT VAPOR (LBS/MIN)	MAX RECOVERY RATE DIRECT LIQUID (LBS/MIN)	MAX RECOVERY RATE PUSH-PULL LIQUID (LBS/MIN)	MAXIMUM WORKING PRESSURE (PSI)	SUPPLY VOLTAGE (V)	HORSE POWER (HP)	WEIGHT (LBS)
TR21	TR21	0.703	11.950	31.7	550	120	3/4	24.5

## REFRIGERANT RECOVERY SYSTEMS



### MT69 Molecular Transformator – Recovery Tool

cps®

The effects of high ambient temperatures and elevated tank pressures on the recovery process are well known. As the temperature/pressure of the recovery cylinder increases, the speed of the recovery process decreases until it is finally halted by a high pressure shut down. The MT69 Molecular Transformator provides valuable assistance in the transformation of high temp/press vapor refrigerant into low temp/press liquid refrigerant,

dramatically improving recovery speed and efficiency. It is a patent pending “Innovation in Design” from CPS, intended for use with all commercially available brands of refrigerant recovery equipment. It is extremely easy to use, saves time and money and provides the missing link in high ambient performance that exists in all commercially available recovery machines on the market today.

PART NO	DESCRIPTION
MT69	Molecular Transformator - Recovery Tool



### 69000 Refrigerant Recovery System

Mastercool®  
“World Class Quality”

PART NO	VENDOR PART NO	MAX RECOVERY RATE DIRECT VAPOR (LBS/MIN)	MAX RECOVERY RATE DIRECT LIQUID (LBS/MIN)	MAX RECOVERY RATE PUSH-PULL LIQUID (LBS/MIN)	MAXIMUM WORKING PRESSURE (PSI)	SUPPLY VOLTAGE (V)	HORSE POWER (HP)	WEIGHT (LBS)
69000	69000	0.75	2.50	12	500	120	1/2	38



### 69300 Refrigerant Recovery System

Mastercool®  
“World Class Quality”

PART NO	VENDOR PART NO	MAX RECOVERY RATE DIRECT VAPOR (LBS/MIN)	MAX RECOVERY RATE DIRECT LIQUID (LBS/MIN)	MAX RECOVERY RATE PUSH-PULL LIQUID (LBS/MIN)	MAXIMUM WORKING PRESSURE (PSI)	SUPPLY VOLTAGE (V)	HORSE POWER (HP)	WEIGHT (LBS)
69300	69300	0.70	7.7	20.2	500	120	1/2	28

## CHARGING SCALES



### 87-CC800A (cc800A) Charging Scales – Programmable

cps®

- Programmable unit allows the user to input the desired charge amount
- Automatically shuts off refrigerant flow and

sounds alarm when the specified charge amount is reached

PART NO	VENDOR PART NO	PROGRAMMABLE	CAPACITY (LBS)	ACCURACY (%)	RESOLUTION (OZ)	BATTERY
87-CC800A	CC800A	Yes	220	0.015	+/- 0.25	Two 9 VDC



### 87-CC220 (cc220) Charging Scales – Non-Programmable

cps®

PART NO	VENDOR PART NO	PROGRAMMABLE	CAPACITY (LBS)	ACCURACY (%)	RESOLUTION (OZ)	BATTERY
87-CC220	CC220	No	220	0.015	+/- 0.25	Two 9 VDC



### 98210-A Charging Scales – Programmable

Mastercool®  
“World Class Quality”

- Allows user to program desired quantities; before charge is complete, an alarm sounds allowing ample time to turn off supply
- Tank capacity programming feature allows user

to know the amount of refrigerant in the tank at any time

- Repeat feature allows user to charge previously stored amount

PART NO	VENDOR PART NO	PROGRAMMABLE	CAPACITY (LBS)	ACCURACY (%)	RESOLUTION (OZ)	BATTERY
98210-A	98210-A	Yes	240	0.1	+/- 0.32	One 9 VDC

## CHARGING SCALES



### 98230 Charging Scale Solenoid Module for 98210 (98210-A)



This module turns the 98210 scales into automatic programmable scales by allowing the user to control the exact amount of refrigerant being transferred. Also allows pausing of refrigerant transfer. The compact design is battery powered

(9V), lightweight, portable and works with all types of refrigerant. Includes a short hose for tank connection, USB cord and 1/4 inch SAE x 1/2 inch ACME adapter.

PART NO	VENDOR PART NO	DESCRIPTION
98230	98230	Charging Scale Solenoid Module



### 98310 Charging Scale - Wireless - Programmable



- Programmable unit allows the user to input the desired charge amount
- Alarm will sound before the specified charge

- amount is reached, allowing sufficient time to manually turn-off refrigerant supply
- Wireless feature prevents tangled wires

PART NO	VENDOR PART NO	PROGRAMMABLE	CAPACITY (LBS)	ACCURACY (%)	RESOLUTION (OZ)	BATTERY
98310	98310	Yes	243	0.1	0.02	6-AA and 1-9VDC



### 98315 Charging Scale - Wireless - Programmable w/Solenoid Valve



- Programmable unit allows the user to input the desired charge amount
- Automatically shuts off refrigerant flow and

- sounds alarm when the specified charge amount is reached
- Wireless feature prevents tangled wires

PART NO	VENDOR PART NO	PROGRAMMABLE	CAPACITY (LBS)	ACCURACY (%)	RESOLUTION (OZ)	BATTERY
98315	98315	Yes	243	0.1	0.02	6-AA and 1-9VDC

## REFRIGERANT SERVICE MANIFOLDS, GAUGES & HOSES

### SERVICE MANIFOLDS & GAUGES



#### BLACKMAX Aluminum Service Manifolds & Gauges



- Piston valves with triple-seal neoprene O-Ring design for enhanced sealing
- Backseating O-Ring seals the valve nut when fully open
- Floating nylon sealing disk

- Valve stems retract fully to provide maximum flow
- Mirror-like port finish for smooth valve movement

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
87-MBD	MBD	R-22, R-134a, R-404A	psi	F	2-Way	Aluminum	Hoses not included	—	2-1/2	Dry	—
87-MBHP5E	MBHP5E	R-22, R-404A, R-410A	psi	F	2-Way	Aluminum	Premium w/Ball Valves	5	2-1/2	Dry	—
87-MBHP5	MBHP5	R-22, R-404A, R-410A	psi	F	2-Way	Aluminum	Premium w/Standard Fittings	5	2-1/2	Dry	—
87-MBHP5A	87-MBHP5A	R-22, R-404A, R-410A	psi	F	2-Way	Aluminum	AB w/Standard Fittings	5	2-1/2	Dry	—



#### VORTECH Aluminum Service Manifolds & Gauges



Advanced VVS diaphragm valve system.

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
87-MV2D2	MV2D2	R-22, R-134a, R-404A	psi	F	2-Way	Aluminum	Hoses not included	—	3-1/8	Dry	Yes

# REFRIGERANT SERVICE MANIFOLDS, GAUGES & HOSES

## SERVICE MANIFOLDS & GAUGES



### Brass Service Manifolds & Gauges



PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
87-M6C	M6C	R-12, R-22, R-502	psi	F	2-Way	Brass	Hoses not included	—	2-1/2	Dry	—
87-M6CS3	M6CS3	R-12, R-22, R-502	psi	F	2-Way	Brass	Standard w/Standard Fittings	3	2-1/2	Dry	—
87-M6CS5	M6CS5	R-12, R-22, R-502	psi	F	2-Way	Brass	Standard w/Standard Fittings	5	2-1/2	Dry	—
87-M6D	M6D	R-22, R-134a, R-404A	psi	F	2-Way	Brass	Hoses not included	—	2-1/2	Dry	—



### Workingman's Choice Manifold



- Piston valves with triple-seal neoprene O-Ring design for enhanced sealing
- Silicone dampened gauges smooth out needle movement

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
MT2H7P5E	MT2H7P5E	R-134a, R-22, R-404A, R-410A	psi	2-Way	Aluminum	Premium w/Ball Valves	5	3-1/8	Dry	No	F



### Digital Aluminum Service Manifolds & Gauges



Large easy to read LCD displays pressures, saturated temperatures, actual temperatures, superheat and subcooling temperatures for over 60 refrigerants. When used with the clamp-on thermocouple connector, it will display the actual temperature and automatically calculates the

superheat or subcool temperature. When the vacuum sensor cable is attached to the manifold it will display deep vacuum. To ensure lasting performance and durability, the manifold case is constructed of ABS material and protected by a rugged rubber boot.

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
99961	99961	For use with over 60 refrigerants	psi, in. Hg, Bar, MPa, kg/sq. cm	F,C	4-Way	Aluminum	Manifold, Hoses, Vacuum Hose, Vacuum Sensor, Thermocouple, Data logger CD, USB Cable, Case	5	—	Digital	Yes
99661-A	99661-A	All	psi, in. Hg, Bar, MPa, kg/sq. cm	F	2-Way	Aluminum	Manifold, Standard Hoses, Vacuum Sensor, Thermocouple, Case	5	—	Digital	Yes
99103	99103	All	psi, in. Hg, Bar, MPa, kg/sq. cm	F	2-Way	Aluminum	Manifold only	—	—	Digital	Yes



### Aluminum Ball Valve Service Manifold & Gauges (3-Way)



- Stainless steel ball valve design controls flow smoothly and quickly with only a quarter turn
- Silicone dampened gauges smooth out needle movement

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
59861	59861	R-22, R-404A, R-410A	psi	F	3-Way	Aluminum	Premium w/Ball Valves	5	3-1/8	Dry	Yes



### Aluminum Service Manifolds & Gauges



- Free-floating piston type valves reduce O-Ring wear
- Silicone dampened gauges smooth out needle movement

PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
95661	95661	R-12, R-22, R-502	psi	F	2-Way	Aluminum	Standard w/Anti-Blowback Fittings	5	2-1/2	Dry	Yes
57161	57161	R-22, R-404A, R-410A	psi	F	2-Way	Aluminum	Premium w/Standard Fittings	5	3-1/8	Dry	Yes

# REFRIGERANT SERVICE MANIFOLDS, GAUGES & HOSES

## SERVICE MANIFOLDS & GAUGES



### Brass Service Manifolds & Gauges



PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	TEMP SCALES	MANIFOLD TYPE	MANIFOLD MATERIAL	HOSE TYPE	HOSE LENGTH (IN)	GAUGE DIA (IN)	GAUGE TYPE	SIGHT GLASS
87-33636	33636	R-12, R-22, R-502	psi	F	2-Way	Brass	Standard w/Standard Fittings	3	2-1/2	Dry	No
33661	33661	R-12, R-22, R-502	psi	F	2-Way	Brass	Standard w/Standard Fittings	5	2-1/2	Dry	No
59261	59261	R-22, R-404A, R-410A	psi	F	2-Way	Brass	Premium w/Ball Valves	5	3-1/8	Dry	No
59161	59161	R-22, R-404A, R-410A	psi	F	2-Way	Brass	Premium w/Standard Fittings	5	3-1/8	Dry	No

## REFRIGERANT GAUGES

### Refrigerant Gauges – CPS



PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	FITTING SIZE (IN)	GAUGE DIA (IN)	GAUGE TYPE	GAUGE USAGE	TEMP SCALES
87-RGCH	RGCH	R-12, R-22, R-502	psi	1/8 NPT	2-1/2	Dry	High Side	F
87-RGHH	RGHH	R-22, R-404A, R-410A	psi	1/8 NPT	2-1/2	Dry	High Side	F
87-RGCL	RGCL	R-12, R-22, R-502	psi	1/8 NPT	2-1/2	Dry	Low Side	F
87-RGHL	RGHL	R-22, R-404A, R-410A	psi	1/8 NPT	2-1/2	Dry	Low Side	F

### Refrigerant Gauges – Mastercool



PART NO	VENDOR PART NO	REFRIGERANT SCALES	PRESSURE SCALES	FITTING SIZE (IN)	GAUGE DIA (IN)	GAUGE TYPE	GAUGE USAGE	TEMP SCALES
91500	91500	R-12, R-22, R-502	psi	1/8 NPT	3-1/8	Dry	High Side	F
58803	58803	R-22, R-404A, R-410A	psi	1/8 NPT	3-1/8	Dry	High Side	F
91250	91250	R-12, R-22, R-502	psi	1/8 NPT	3-1/8	Dry	Low Side	F
58501	58501	R-22, R-404A, R-410A	psi	1/8 NPT	3-1/8	Dry	Low Side	F

### Gauge Protector Set



- Unique ribbing deadens bumps and deflects shocks
- Fits 3-1/8 inch diameter gauges

PART NO	VENDOR PART NO	DESCRIPTION
91553	91553	Gauge Protector Set - Red & Blue (For 3-1/8 in. diameter gauges)

## REFRIGERANT CHARGING HOSES

### Refrigerant Charging Hoses – Standard Fittings



PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
87-HS4	HS4	Set of 3	1/4 SAE	4	Standard	750	3000	Blue, Red, Yellow
87-HP5	HP5	Set of 3	1/4 SAE	5	Standard	800	4000	Blue, Red, Yellow

### Refrigerant Charging Hoses – Anti-Blowback Fittings



Automatic sealing valve eliminates refrigerant loss and blowback.

PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
87-HS3A	HS3A	Set of 3	1/4 SAE	3	Anti-Blowback	750	3000	Blue, Red, Yellow
87-HP5A	HP5A	Set of 3	1/4 SAE	5	Anti-Blowback	800	4000	Blue, Red, Yellow
87-HP5BA	HP5BA	Single	1/4 SAE	5	Anti-Blowback	800	4000	Blue
87-HP5RA	HP5RA	Single	1/4 SAE	5	Anti-Blowback	800	4000	Red
87-HP5YA	HP5YA	Single	1/4 SAE	5	Anti-Blowback	800	4000	Yellow

## REFRIGERANT SERVICE MANIFOLDS, GAUGES & HOSES

### REFRIGERANT CHARGING HOSES

#### Refrigerant Charging Hoses with Ball Valves

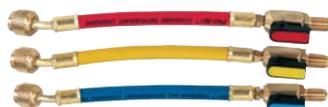
CPS®



PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
87-HS3E	HS3E	Set of 3	1/4 SAE	3	Standard (Includes Ball Valve)	750	3000	Blue, Red, Yellow
87-HP6L	HP6L	Set of 3	1/4 SAE	6	Standard (Includes Ball Valve)	800	4000	Blue, Red, Yellow

#### Refrigerant Hose Extensions with Ball Valves

CPS®



PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
87-HT1E	HT1E	Set of 3	1/4 SAE	—	45 degree	800	4000	Blue, Red, Yellow
87-HT1RE	HT1RE	Single	1/4 SAE	—	45 degree	800	4000	Red
87-HT1YE	HT1YE	Single	1/4 SAE	—	45 degree	800	4000	Yellow

#### Replacement Hose Gaskets

CPS®



Fits 1/4 in. SAE Flare, 1/2 in. ACME, and 1/2-20 UNF hose fittings on end without depressor

PART NO	VENDOR PART NO	DESCRIPTION
87-HXG	HXG	Replacement Hose Gasket (Box of 10)

#### Refrigerant Charging Hoses – Standard Fittings

Mastercool®  
"World Class Quality"



PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
40336	40336	Set of 3	1/4 SAE	3	Standard	750	3000	Blue, Red, Yellow
40360	40360	Set of 3	1/4 SAE	5	Standard	750	3000	Blue, Red, Yellow
40372	40372	Set of 3	1/4 SAE	6	Standard	750	3000	Blue, Red, Yellow
48604	48604	Single	3/8 SAE	5	Standard	800	4000	Black
41601	41601	Single	1/4 SAE	5	Standard	750	3000	Blue
41603	41603	Single	1/4 SAE	5	Standard	750	3000	Red
41602	41602	Single	1/4 SAE	5	Standard	750	3000	Yellow

#### Refrigerant Charging Hoses – Anti-Blowback Fittings

Mastercool®  
"World Class Quality"



Automatic sealing valve eliminates refrigerant loss and blowback.

PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
45360	45360	Set of 3	1/4 SAE	5	Anti-Blowback	750	3000	Blue, Red, Yellow
46360	46360	Set of 3	1/4 SAE	5	Anti-Blowback	800	4000	Blue, Red, Yellow
45601	45601	Single	1/4 SAE	5	Anti-Blowback	750	3000	Blue
45603	45603	Single	1/4 SAE	5	Anti-Blowback	750	3000	Red
45602	45602	Single	1/4 SAE	5	Anti-Blowback	750	3000	Yellow

#### Refrigerant Hose Extensions with Ball Valves

Mastercool®  
"World Class Quality"



PART NO	VENDOR PART NO	SET TYPE	FITTING SIZE (IN)	HOSE LENGTH (FT)	HOSE FITTINGS	HOSE WORKING PRESSURE (PSI)	HOSE BURST PRESSURE (PSI)	HOSE COLOR
90262	90262	Set of 3	1/4 SAE	—	Straight	750	3000	Blue, Red, Yellow
90263-R	90263-R	Single	1/4 SAE	—	45 degree	750	3000	Blue
90265-R	90265-R	Single	1/4 SAE	—	45 degree	750	3000	Red
90264-R	90264-R	Single	1/4 SAE	—	45 degree	750	3000	Yellow

## REFRIGERANT SERVICE MANIFOLDS, GAUGES & HOSES

### REFRIGERANT HOSE ADAPTERS & FITTINGS

#### MICROSEAL Anti-Blowback Valves

**cps®**

Automatic sealing valve eliminates refrigerant loss and blowback.



PART NO	VENDOR PART NO	DESCRIPTION
87-AB3-3PK	AB3-3PK	MICROSEAL Anti-Blowback Valve - 1/4 in. SAE Male x 1/4 in. (SAE Female) - Pack of 3

#### Ball Valves – 1/4 in. SAE (Male x Female)

**cps®**



PART NO	VENDOR PART NO	DESCRIPTION
87-BV3-3PK	BV3	Ball Valve - 1/4 in. SAE (Male x Female) - Pack of 3

#### Adapter – 1/2-20 UNF Female x 1/4 SAE Male (w/Core & Depressor)

**cps®**



PART NO	VENDOR PART NO	DESCRIPTION
87-AD87	AD87	Adapter - 1/2-20 UNF Female x 1/4 SAE Male (w/Core & Depressor)

#### Adapters – 1/4 in. SAE x Automotive Quick Connect (R-134a)



PART NO	VENDOR PART NO	DESCRIPTION
66434R	66434R	Adapter - 1/4 in. SAE x 16 mm Automotive Quick Connect Coupler (R-134a - High Side)
66534R	66534R	Adapter - 1/4 in. SAE x 13 mm Automotive Quick Connect Coupler (R-134a - Low Side)

#### Brass Fitting for Service Manifold

**cps®**

1/8" NPT fitting threads into manifold; includes two 1/4" SAE flare connections - one open for refrigerant hose connection, and one closed for spare hose.



PART NO	VENDOR PART NO	DESCRIPTION
40-397	40-397	Brass Fitting for Service Manifold

#### Hose Anchor Bracket for Service Manifold

**cps®**

Mounts to manifold for spare hose storage; includes three 1/4" SAE fittings and one 3/8" SAE fitting.



PART NO	VENDOR PART NO	DESCRIPTION
87-M4XHA	M4XHA	4-Way Hose Anchor Bracket

## HVAC INSTRUMENTS, METERS & DETECTORS

### SMART DEVICE HVAC TOOLS & INSTRUMENTS

#### SPM-K1 – Dual Port Manometer Kit



Combines the convenience of the SPM-100 meter and PRB-KIT probe kit. Includes:

- SPM-100 dual port smartphone manometer
- Two stainless steel static pressure probes with magnetic color coded bases
- Two 6 ft. lengths of rugged latex tubing
- Brass barbed fitting for taking gas readings
- New ergonomic carrying case with improved cord management system



PART NO	DESCRIPTION
SPM-K1	Wireless Smartphone Manometer and Probe Kit Combo

# HVAC INSTRUMENTS, METERS & DETECTORS

## SMART DEVICE HVAC TOOLS & INSTRUMENTS



### SPM-100 – Dual Port Manometer



Utilizes onscreen guidance in the app to make it easy to take accurate pressure readings. The user is shown where to place the color coded static pressure probes (sold separately) and how to take measurements. Measures:

- Static and total external static pressure
- Pressure differential
- Indoor vs. Outdoor conditions
- Weather data
- Stores and sends reports

PART NO	DESCRIPTION
SPM-100	Smartphone Static Pressure Meter



### PRB-KIT – Dual Port Manometer



- Pressure probe kit for the SPM-100;
- Contains two stainless steel static probes, with two color coded magnetic handles

- Two 6 ft. sections of rubber tubing
- Ergonomic carrying case

PART NO	DESCRIPTION
PRB-KIT	Airflow Probe Kit



### Tempsmart Temperature and Humidity Data Logger



Small enough to fit on a key-chain, yet one of the most powerful and accurate instruments of its kind. Connects to Apple and Android smartphones, tablets, and smart watches via Bluetooth.

- Solid state EEPROM memory chip, stores 20,000 dry bulb temperature and relative humidity readings
- Used with complimentary app which assists user through taking tests with onscreen guidance including;

- Dry and wet bulb temperature
- Feels like temperature
- Dew point
- Relative humidity
- Readings are uploaded each time the meter is connected to your smartphone or tablet
- First-in/First-out log so that the most current readings are always available
- Meter can be deployed with custom names to identify the location

PART NO	DESCRIPTION
TS-100	Tempsmart Temperature and Humidity Data Logger



### ABM-100 Airflow Balancing Meter



The ABM-100 is an anemometer that fits in your pocket. It's our first of a series of tools that connect to smart devices and are specifically designed for the HVAC industry.

- Compatible with iOS, all major Android devices
- Measures airflow in:
  - Linear feet per minute
  - Cubic feet per minute
  - Cubic meters per hour
  - Linear meters per second

- Accurate to +/- 0.5% of the reading at up to 15° off-axis
- Range is from 160 FPM (1 m/s) to 11,000 FPM (56 m/s)
- Resolution is .19 FPM (0.001 m/s)
- Rugged and eco-friendly packaging that serves as a reusable storage case
- Sends onsite professional reports by email

PART NO	DESCRIPTION
ABM-100	Airflow Balancing Meter



### ABM-200 Wireless Airflow Balancing Meter



Includes all of the features and functions of the ABM-100, plus it measures temperature, humidity, and pressure to provide:

- Dry and wet bulb temperature
- Feels like temperature
- Relative humidity

- Dew point
- Barometric pressure
- Air density
- Wind speed/direction/gusts
- Stores and sends reports
- Wireless for hands-free operation

PART NO	DESCRIPTION
ABM-200	Wireless Airflow Balancing Meter

## HVAC INSTRUMENTS, METERS & DETECTORS

### SMART DEVICE HVAC TOOLS & INSTRUMENTS



#### EXP-64 Extension Pole

- For use with ABM-200
- Take measurements without going up a ladder
- 1/4-20 thread universal mount
- Extra-long reinforced aluminum extension pole, 18 to 64 in.
- Rugged grip



PART NO	DESCRIPTION
EXP-64	Extension Pole



#### TRI-MIN Mini-Tripod

- For use with ABM-200
- Collapsible 6 to 8 in. tripod
- 1/4-20 thread universal mount
- Vertical or horizontal mount position with lock



PART NO	DESCRIPTION
TRI-MIN	Mini-Tripod



#### Smart Service Tool Kit

Lightweight wireless sensors that conveniently syncs with a mobile app, enabling the reading system's real-time pressure and temperature without using hoses or manifold gauges

- Two wireless low and high pressure sensors
- Two wireless temperature sensor clamps for quick and easy installation
- Pressures and temperatures displayed directly on your mobile device via free app

- Automatically calculates superheat and subcooling
- Monitor, record and export data via .csv
- Psig/bar pressure display; Fahrenheit or Celsius temperature display
- Diagnostic tools function remotely, enabling service personnel to be in another part of the building and still read and record data



PART NO	DESCRIPTION
SSTK953595	Smart Service Tool Kit



#### Zebra-Stat – Analyzer, Remote Control, Multi-Mode Tester

A fully electronic, easy-to-use diagnostic tool for HVAC technicians. Quickly diagnoses low-voltage control problems in system wiring, control boards, thermostats and associated components. Bright LED's positively indicate status.

- Performs immediate continuity checks on up to six circuits at a time

- Acts as a remote control, saving you steps from attic, roof, or basement
- Displays signal levels on control lines
- Monitors voltage levels (OK/Questionable/Low)
- Acts as an automatic resetting circuit breaker, temporarily replacing a system fuse while looking for shorted lines or components



PART NO	VENDOR PART NO	DESCRIPTION
ZS-2	ZS-2	Zebra-Stat - Analyzer/Remote Control/Multimode Tester

### ELECTRONIC REFRIGERANT LEAK DETECTORS

#### LS1 Electronic Leak Detector (Leak Seeker 1)

- Three sensitivity ranges
- Detects all CFC, HCFC and HFC refrigerants
- Min. leak rate detection capability: 1/10 oz./yr.
- Bar graph indicator measures leak concentration
- 15 inch long cable probe



PART NO	VENDOR PART NO	DESCRIPTION
LS1	LS1	Electronic Leak Detector (Leak-Seeker I)



#### LS2 Electronic Leak Detector (Leak Seeker 2)

- Six sensitivity ranges automatically selected by the instrument
- Detects all CFC, HCFC and HFC refrigerants
- Min. leak rate detection capability: 1/10 oz./yr.
- Fully automatic sensitivity selection
- Bar graph indicator measures leak concentration
- 15 inch long cable probe



PART NO	VENDOR PART NO	DESCRIPTION
LS2	LS2	Electronic Leak Detector (Leak-Seeker II)



# HVAC INSTRUMENTS, METERS & DETECTORS

## ELECTRONIC REFRIGERANT LEAK DETECTORS



### 87-LS790B (LS790B) Electronic Leak Detector (Leak Seeker)



- Ten sensitivity ranges
- Detects all CFC, HCFC and HFC refrigerants
- Min. leak rate detection capability: 1/4 oz./year
- Bar graph display measures leak concentration
- 18 inch long cable probe

PART NO	VENDOR PART NO	DESCRIPTION
87-LS790B	LS790B	Electronic Leak Detector (Leak-Seeker)



### LS3000B Electronic Leak Detector (Eliminator)



- Six sensitivity ranges
- Uses two displays; one to pinpoint the leak, the other quantifies the size
- Detects all CFC, HCFC and HFC refrigerants
- 14 inch long cable probe
- Min. leak rate detection capability: 1/10 oz./year
- Bar graph display measures leak concentration

PART NO	VENDOR PART NO	DESCRIPTION
LS3000B	LS3000B	Electronic Leak Detector (Eliminator)



### 55100 Electronic Leak Detector



- Three sensitivity ranges
- Detects all CFC, HCFC and HFC refrigerants
- Min. leak rate detection capability: 1/10 oz./year
- LED visual indicator
- 16 inch long cable probe
- Includes a custom molded carrying case

PART NO	VENDOR PART NO	DESCRIPTION
55100	55100	Electronic Leak Detector

## ELECTRONIC/UV REFRIGERANT LEAK DETECTORS



### 55200 Electronic/UV Leak Detector Kit



- Combines electronic and UV leak detection in one tool
- Six sensitivity ranges
- Detects all CFC, HCFC and HFC refrigerants
- LED visual indicator
- Min. leak rate detection capability: 1/10 oz./year
- 16 inch long cable probe
- Includes a custom molded carrying case

PART NO	VENDOR PART NO	DESCRIPTION
55200	55200	Electronic/UV Leak Detector Kit



### 55300 Electronic/UV Leak Detector with Cartridge Type Dye Injector



Same as 55200 except includes cartridge type dye injector.

PART NO	VENDOR PART NO	DESCRIPTION
55300	55300	Electronic/UV Leak Detector Kit with Cartridge Type Dye Injector

## HVAC INSTRUMENTS, METERS & DETECTORS

### REPLACEMENT SENSORS FOR REFRIGERANT LEAK DETECTORS



#### Replacement Sensor for 87-LS780B (LS780B) & 87-LS790B (LS790B)



PART NO	VENDOR PART NO	DESCRIPTION
87-LSXS	LSXS	Replacement Sensor for 87-LS780B and 87-LS790B



#### Replacement Sensor for 87-LS3000 & LS3000B



PART NO	VENDOR PART NO	DESCRIPTION
87-LSXS3	LSXS3	Replacement Sensor for 87-LS3000 & LS3000B



#### Replacement Sensor for 55100 and 55200



PART NO	VENDOR PART NO	DESCRIPTION
55100-SEN	55100-SEN	Replacement Sensor for 55100 and 55200



#### 875026 (0632 3170) Electronic Flue Gas Spillage Detector (317)



Gives off a visible and audible alarm when heating flue gases are detected. Flexible 8 inch probe for inaccessible locations.

PART NO	VENDOR PART NO	DESCRIPTION
875026	0632 3170	Electronic Flue Gas Spillage Detector (317)



#### 875036 (0632 3173) CO Monitor (317-3)



- Detect the presence of carbon monoxide (CO) in ambient air and warns user with both visual and audible alarm
- Reaction time of 40 seconds
- Detection range 0 to 1,999 ppm; resolution 1 ppm
- Includes carrying pouch and earphone

PART NO	VENDOR PART NO	DESCRIPTION
875036	0632 3173	CO Monitor (317-3)



#### 87-AM50 (AM50) Air Velocity/Temperature Meter



- Precision vane-type anemometer provides fast, accurate air velocity measurements
- Airflow ranges from 0 to 8800 ft./min; temperature range from 32 to 122°F
- Airflow scales in ft./min., m/s, km/hr. and knots
- Includes laminated conversion chart to quickly calculate CFM from air velocity measurements
- Includes Type K thermocouple port

PART NO	VENDOR PART NO	DESCRIPTION
87-AM50	AM50	Air Velocity/Temperature Meter

# HVAC INSTRUMENTS, METERS & DETECTORS

## TESTO POCKET METERS



### 875043 (0560 0610) Pocket Air Velocity, Temperature, Humidity Meter (410-2)



- Airflow ranges from 80 to 4000 ft./min; temperature range 14 to 122°F; humidity range 0 to 100% RH
- Measures air velocity, temperature, relative humidity, wet bulb temperature and dew point
- Includes carrying pouch

PART NO	VENDOR PART NO	DESCRIPTION
875043	0560 4102	Pocket Air Velocity/Temperature/Humidity Meter (410-2)



### 875044 (0560 0510) Pocket Digital Manometer (510)



- Pressure range to 44.15 in. W.C.
- Scales in Pa, hPa, mBar, mm W.C., in. W.C., mm Hg, in. Hg and psi
- Easy to use one button operation
- Includes magnet for mounting during measurements
- Includes carrying pouch

PART NO	VENDOR PART NO	DESCRIPTION
875044	0560 0510	Pocket Digital Manometer (510)



### 875042 (0560 0610) Pocket Temperature, Humidity Meter (610)



- Measures temperature and relative humidity
- Temperature range 14 to 122°F; humidity range 0 to 100% RH
- Humidity scales in %RH and wet bulb
- Includes carrying pouch

PART NO	VENDOR PART NO	DESCRIPTION
875042	0560 0610	Pocket Temperature/Humidity Meter (610)



### 875041 (0560 0810) Pocket Temperature Meter (810)



- Simultaneously measures temperatures using both IR and ambient air
- Temperature range -58 to 660°F
- Includes carrying pouch

PART NO	VENDOR PART NO	DESCRIPTION
875041	0560 0810	Pocket Temperature Meter (810)



### 52245 Digital Pressure/Temperature Chart



- Pocket sized device offers fast and accurate temperature references on a large easy to read LCD display
- Includes charts for sixty refrigerants
- Pressure charts in psi, Bar and MPa; temperature in F and C

PART NO	VENDOR PART NO	DESCRIPTION
52245	52245	Digital Pressure/Temperature Chart

# VALVE CORE & SUPERHEAT MEASUREMENT TOOLS

## SUPERHEAT MEASUREMENT SETS



### 83-CD3970-1PK (CD3970) Superheat Measurement Kit

Combines a core removal tool and thermometer to create a reliable and accurate way to measure superheat; allows temperature probe to directly measure refrigerant temperature.

PART NO	VENDOR PART NO	DESCRIPTION
83-CD3970-1PK	CD3970	Superheat Measurement Kit



### 91499 Superheat Measurement Kit

Combines a core removal tool and thermometer to create a reliable and accurate way to measure superheat; allows temperature probe to directly measure refrigerant temperature.



PART NO	VENDOR PART NO	DESCRIPTION
91499	91499	Superheat Measurement Kit

## VALVE CORE REMOVAL TOOLS



### 83-CD3930-1PK (CD3930) Valve Core Removal Tool

- Permits valve core replacement with minimal refrigerant loss
- Uses a reliable 1/4 turn ball valve design to shut-off and control refrigerant flow
- Connects to any 1/4 inch SAE male flare
- Includes a 1/4 inch SAE male flare service port to allow refrigerant recovery or recharge, system evacuation and system pressure measurement

PART NO	VENDOR PART NO	DESCRIPTION
83-CD3930-1PK	CD3930	Valve Core Removal Tool



### 83-CD3900-1PK (CD3900) Valve Core Removal Tool

- Permits valve core replacement with minimal refrigerant loss
- Connects to any 1/4 inch SAE male flare
- Includes a neoprene sleeve seal to shut-off and control refrigerant flow

PART NO	VENDOR PART NO	DESCRIPTION
83-CD3900-1PK	CD3900	Valve Core Removal Tool



### 91490 Valve Core Removal Tool

- Permits valve core replacement with minimal refrigerant loss
- Connects to any 1/4 inch SAE male flare
- Uses a reliable 1/4 turn ball valve design to shut-off and control refrigerant flow



PART NO	VENDOR PART NO	DESCRIPTION
91490	91490	Valve Core Removal Tool



### 91496 Valve Core Removal Tool

- Permits valve core replacement with minimal refrigerant loss
- Uses a reliable 1/4 turn ball valve design to shut-off and control refrigerant flow
- Connects to any 1/4 inch SAE male flare
- Includes a 1/4 inch SAE male flare service port to allow refrigerant recovery or recharge, system evacuation and system pressure measurement



PART NO	VENDOR PART NO	DESCRIPTION
91496	91496	Valve Core Removal Tool



## SOLENOID TEST MAGNET



### Solenoid Test Magnet

- Manually opens solenoid valves for trouble-shooting, service repairs and maintenance
- Magnetically lifts plunger
- For direct connected and pilot operated solenoid valves; 2-way solenoids, 3-way reclaim valves
- For use with all manufacturers

PART NO	DESCRIPTION
PD610016	Solenoid Test Magnet

## TEMPERATURE MEASUREMENT TOOLS

### MULTI-INPUT DIGITAL THERMO-PSYCHROMETER & ACCESSORIES



### TM360 Multi-Input Digital Thermo-Psychrometer & Accessories (Temp-Seeker)



A professional grade thermo-psychrometer adaptable to accommodate many temperature, humidity, dry/wet bulb and dew point measurements. The unit incorporates four discrete temperature ports all capable of min/max and memory functions including temperature differential between any two of the four available ports. Pressing the SCAN key causes display to alternate between all four ports in 3 second intervals providing continuous monitoring of multiple probe points during critical system diagnosis. A dedicated special purpose port accommodates an optional state of the art

silicon humidity transducer probe for fast and accurate measurements during critical relative humidity calculations. Designed in a rugged polyethylene case, the TM360 is engineered to provide laboratory accuracy in rough field conditions. A generous probe storage area is provided for housing all your job specific probes directly in the unit itself.

- Range -40 to 257°F
- Differential measure between any two probes
- Includes air probe; general purpose probe; surface probe; other probes available
- Easy to use keypad controls

PART NO	VENDOR PART NO	DESCRIPTION
TM360	TM360	Multi-Input Digital Thermo-Psychrometer & Accessories (Temp-Seeker)



### TMX3C Temperature Probe



PART NO	VENDOR PART NO	DESCRIPTION
TMX3C	TMX3C	Temperature Probe



### 87-TMX2S (TMX2S) Temperature Probe - Velcro



PART NO	VENDOR PART NO	DESCRIPTION
87-TMX2S	TMX2S	Temperature Probe - Velcro



### 87-TMX2P (TMX2P) Puncture Probe



PART NO	VENDOR PART NO	DESCRIPTION
87-TMX2P	TMX2P	Puncture Probe

### TESTO MEASUREMENT STICKS



### 875006 (0560 6054) Humidity and Temperature Stick (605-H2)



- Measures temperature and relative humidity
- Temperature range 32 to 122°F; humidity range 5 to 95% RH
- Easy to read swivel head can be turned 180°
- Quick-action displays final temperature in few seconds
- 5 inch length
- Includes holder for positioning in duct

PART NO	VENDOR PART NO	DESCRIPTION
875006	0560 6054	Humidity and Temperature Stick (605-H2)

## TEMPERATURE MEASUREMENT TOOLS

### TESTO MEASUREMENT STICKS



#### 875009 (0590 9052) Temperature Stick (905-T2)



- Temperature range -58 to 660°F
- Easy to read swivel head can be turned 180°
- Quick-action displays final temperature in a few seconds
- Special measuring head with spring steel thermocouples band adapts itself to uneven surfaces
- 7 inch length

PART NO	VENDOR PART NO	DESCRIPTION
875009	0560 9056	Temperature Stick (905-T2)

## TEMPERATURE MEASUREMENT TOOLS

### INFRARED THERMOMETERS



#### 87-TMINI12 (MINI12) Infrared Thermometer (Temp-Seeker)



- Temperature range -76 to 932°F
- 12:1 distance to spot ratio
- Includes laser pointer
- Includes Type K thermocouple port
- Includes white LED work light
- Includes heavy-duty carrying pouch with belt loop

PART NO	VENDOR PART NO	DESCRIPTION
87-TMINI12	TMINI12	Infrared Thermometer (Temp-Seeker)



#### 52224A Infrared Thermometer



- Temperature range -58 to 932°F
- 12:1 distance to spot ratio
- Includes laser pointer
- Includes plastic shell carrying case

PART NO	VENDOR PART NO	DESCRIPTION
52224A	52224A	Infrared Thermometer

## TEMPERATURE MEASUREMENT TOOLS

### POCKET THERMOMETERS



#### 1246-02-1 Pocket Thermometer - Analog



- Temperature range 0 to 220°F
- 5 inch stainless steel probe
- Includes protective sleeve with pocket clip and calibration wrench

PART NO	VENDOR PART NO	DESCRIPTION
1246-02-1	1246-02-1	Pocket Thermometer - Analog



#### 87-TMAP (TMAP) Pocket Thermometer - Analog



- Temperature range 0 to 220°F
- Includes protective sleeve with pocket clip
- 5 inch Stainless steel probe

PART NO	VENDOR PART NO	DESCRIPTION
87-TMAP	TMAP	Pocket Thermometer - Analog



#### 87-TMDP (TMDP) Pocket Thermometer - Digital



- Temperature range -58 to 302°F
- Includes protective sleeve with pocket clip
- 5 inch stainless steel probe

PART NO	VENDOR PART NO	DESCRIPTION
87-TMDP	TMDP	Pocket Thermometer - Digital

# TEMPERATURE MEASUREMENT TOOLS

## POCKET THERMOMETERS



### 52223-A Pocket Thermometer – Digital



- Temperature range -58 to 302°F
- Includes protective sleeve with pocket clip
- 5" stainless steel probe

PART NO	VENDOR PART NO	DESCRIPTION
52223-A	52223-A	Pocket Thermometer - Digital



### 87-TM50 (TM50) Digital Thermometer (Temp-Seeker)



- Temperature range -58 to 500°F
- User selectable temperature alarm
- Countdown timer
- Min/Max memory
- 3-3/4 inch stainless steel probe with 4 ft. cord

PART NO	VENDOR PART NO	DESCRIPTION
87-TM50	TM50	Digital Thermometer (Temp-Seeker)

# ELECTRICAL METERS



### 87-DM350 (DM350) Digital Multimeter



- Auto range and data hold
- Maximum/minimum value measurement
- Backlit LCD display; four large characters
- Auto power-off
- DC voltage (V): 200m/2/20/200/600 ±0.7%
- AC voltage (V): 200m/2/20/200/600 ±0.7%
- DC current (A): 200µ/2000µ/20m/200m ±1.2%; 2/10 ±2.0%
- AC current (A): 200µ/2000µ/20m/200m ±1.5%; 2/10 ±3.0%
- Resistance (ohms): 200/2k/20k/200k/2M ±1.2%; 20M ±2.0%
- Temperature: -20 to 1000°C ±3.0%, 0°F to 1800°F ±3.0%
- Capacitance (F): 20n/200n/2µ/20µ/200µ/2000µ ±4.0%
- Audible continuity tester
- Diode tester
- Transistor hFE tester
- Includes electrical probe set and thermocouple

PART NO	VENDOR PART NO	DESCRIPTION
87-DM350	DM350	Digital Multimeter



### Short-Pro Short Finder Tool – 24V



Finds 24V shorts quickly. Connects across 24V fuse holder. Lighted LED indicates short (trips at 3A). Disconnect briefly to reset.

PART NO	VENDOR PART NO	DESCRIPTION
ZSPRT	ZSPRT	Short-Pro Short Finder Tool - 24V

# INSPECTION SCOPES & MIRRORS

## TESTOVIEW FIBERSCOPIES



### TestoView Fiberscopes

Powerful fiber optic scope allows examination of areas normally hidden from sight. Ideal for internal inspection of furnaces, ducts, A/C systems, interior structures, between walls and many other HVAC and industrial applications. Includes a comfortable grip handle for long term inspections, a convenient on/off light switch and

- an easily adjustable eyepiece.
- Spring lock flexible shaft holds shape
  - Superior optics; 40 degree viewing angle; 0.4 inch and up viewing distance
  - 25 hour battery life
  - Bright white lighting with high/low beam



PART NO	VENDOR PART NO	DESCRIPTION
875012	400632 0318	TestoView Fiberscope - 36 in. (318-1)



### Magnetic Attachment for TestoView Fiberscopes

PART NO	VENDOR PART NO	DESCRIPTION
875017	400554 1321	Magnet for TestoView Fiberscope



### Mirror Attachment for TestoView Fiberscopes

PART NO	VENDOR PART NO	DESCRIPTION
875016	400544 1320	Inspection Mirror for TestoView Fiberscope



## INSPECTION MIRRORS



### 87-TLMIR1 (TLMIR1) Inspection Mirror

- 1-1/4 inch diameter mirror on telescoping handle 6-1/4 to 19-1/2 inches
- Ball joint swivel connection allows for 360 degree viewing

- Bright plated finish on handle and mirror backing
- Convenient "pen style" pocket clip on handle



PART NO	VENDOR PART NO	DESCRIPTION
87-TLMIR1	TLMIR1	Inspection Mirror



### 87-TLMIR2 (TLMIR2) Inspection Mirror

- 2-1/4 inch diameter mirror on telescoping handle 10 to 14 inches
- Ball joint swivel connection allows for 360 degree viewing
- Bright plated finish on handle and mirror backing



PART NO	VENDOR PART NO	DESCRIPTION
87-TLMIR2	TLMIR2	Inspection Mirror



### 87-TLMIR3 (TLMIR3) Inspection Mirror

- 1 x 2 inch mirror on telescoping handle 6-1/4 to 19-1/2 inches
- Ball joint swivel connection allows for 360 degree viewing

- Bright plated finish on handle and mirror backing
- Convenient "pen style" pocket clip on handle



PART NO	VENDOR PART NO	DESCRIPTION
87-TLMIR3	TLMIR3	Inspection Mirror



### 87-TLMIR4 (TLMIR4) Inspection Mirror

- 2-1/8 x 3-1/2 inch mirror on telescoping handle 11-1/4 to 15-1/4 inches
- Ball joint swivel connection allows for 360 degree viewing
- Bright plated finish on handle and mirror backing



PART NO	VENDOR PART NO	DESCRIPTION
87-TLMIR4	TLMIR4	Inspection Mirror

## FIN TOOLS



### 87-TLFC1 (TLFC1) Fin Tool

Spring wire bristles adjust to all fin spacings.

CPS®

PART NO	VENDOR PART NO	DESCRIPTION
87-TLFC1	TLFC1	Fin Comb Straightening Tool



### 87-TLFC6 (TLFC6) Fin Tool

Six sided fin comb for 6, 8, 10, 12, 14 and 15 fins per inch.

CPS®

PART NO	VENDOR PART NO	DESCRIPTION
87-TLFC6	TLFC6	Fin Comb Straightening Tool



### 875001 Fin Tool

Includes six heads 8, 9, 10, 11, 12 and 14 fins per inch. Heads are angled so that the hand is a

safe distance from sharp fins. Reversible head for improved leverage in all orientations.

PART NO	VENDOR PART NO	DESCRIPTION
875001	T-100	Fin Comb Straightening Tool

## FAN BLADE & BLOWER WHEEL PULLER



### Fan Blade & Blower Wheel Puller

- Removes fan blades/blower wheels that are frozen to a motor shaft.
- Four pulling hooks and three set screws provided
- Can be used to apply a pushing or pulling force.
- Accommodates motor shafts up to 5/8 inch (belt drive) and 1/2 inch (direct drive)



PART NO	DESCRIPTION
UP-1	Ultimate Fan Puller

## WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

### WRENCHES

#### Torque Wrench Sets (Open End Wrenches)

CPS®

- Provides consistently accurate readings and trouble-free performance
- SAE set includes interchangeable 5/8, 11/16, 13/16, 15/16, 1-1/16, 1-5/16 in. jaw sizes
- Metric set includes interchangeable 17, 22, 24, 26, 27, 29 mm jaw sizes
- Corresponding settings clearly marked on torque wrench
  - SAE set: 5-80 ft.-lbs or 60-960 in.-lbs.
  - Metric set: 10-75 N-m



PART NO	DESCRIPTION
TLTWSAE	SAE Torque Wrench Set (Open End Wrenches)
TLTWSM	Metric Torque Wrench Set (Open End Wrenches)

## WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

### WRENCHES – REFRIGERATION SERVICE WRENCHES



#### 87-68309 (68309) Refrigeration Service Wrench – Ratcheting



PART NO	VENDOR PART NO	HEX SOCKET SIZES (IN)	SQUARE SOCKET SIZES (IN)	TYPE	WRENCH CONFIG
87-68309	68309	—	3/16, 1/4, 1/2, 9/16	Reversible Ratchet	Flat



#### 87-68310 (68310) Refrigeration Service Wrench – Ratcheting



PART NO	VENDOR PART NO	HEX SOCKET SIZES (IN)	SQUARE SOCKET SIZES (IN)	TYPE	WRENCH CONFIG
87-68310	68310	—	3/16, 1/4, 5/16, 3/8	Reversible Ratchet	Flat



#### 87-TLSWL (TLSWL) Refrigeration Service Wrench – Ratcheting



PART NO	VENDOR PART NO	HEX SOCKET SIZES (IN)	SQUARE SOCKET SIZES (IN)	TYPE	WRENCH CONFIG
87-TLSWL	TLSWL	1/2, 9/16	3/16, 1/4	Reversible Ratchet	Flat



#### 87-TLSWS (TLSWS) Refrigeration Service Wrench – Ratcheting



PART NO	VENDOR PART NO	HEX SOCKET SIZES (IN)	SQUARE SOCKET SIZES (IN)	TYPE	WRENCH CONFIG
87-TLSWS	TLSWS	—	3/16, 1/4, 5/16, 3/8	Reversible Ratchet	Flat



#### 87-TLSWO (TLSWO) Refrigeration Service Wrench – Ratcheting



PART NO	VENDOR PART NO	HEX SOCKET SIZES (IN)	SQUARE SOCKET SIZES (IN)	TYPE	WRENCH CONFIG
87-TLSWO	TLSWO	—	3/16, 1/4, 5/16, 3/8	Reversible Ratchet	Offset Socket Heads



#### 70082 Refrigeration Service Wrench – Ratcheting



PART NO	VENDOR PART NO	HEX SOCKET SIZES (IN)	SQUARE SOCKET SIZES (IN)	TYPE	WRENCH CONFIG
70082	70082	—	1/4, 3/8, 3/16 and 5/16	Reversible Ratchet	Flat



#### Hex Key Inserts for Refrigeration Service Wrenches

PART NO	DESCRIPTION
10550	Refrigeration Wrench Hex Key Inserts - 3/16 in. (1/4 in. square drive)
10551	Refrigeration Wrench Hex Key Inserts - 5/16 in. (1/4 in. square drive)



#### Ratcheting Box Wrench – 1/4 in. x 5/16 in.



Great for working in confined spaces and on long studs. A different size opening on each end for multiple applications. Get reverse ratcheting action simply by turning the wrench over.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)
68200			

### WRENCHES – ADJUSTABLE WRENCHES (CRESCENT-STYLE)

- Precision-machine jaws individually selected and assembled by hand for smooth operation
- Knurl turns smoothly for easy operation
- Forged heat-treated alloy steel for maximum strength and light weight
- High polish chrome finish



#### Adjustable Wrenches – Standard Capacity



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)
87-D500-18	D500-18	18-1/4	2-1/16



#### Adjustable Wrenches – Extra Capacity



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)
87-D507-6	D507-6	6-3/8	15/16
87-D507-8	D507-8	8-3/8	1-1/8
87-D507-10	D507-10	10-3/8	1-5/16
87-D507-12	D507-12	12-3/8	1-1/2

# WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

## PLIERS – CHANNEL-LOCK PLIERS (PUMP PLIERS)



### Channel-Lock Pliers

- Secure tongue and groove design for non-slip grip – even with heavy pressure
- Wide range of versatile jaw positions



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D502-6	D502-6	6-1/2	7/8	Plastic-dipped	Yellow
87-D502-10	D502-10	10	1-3/4	Plastic-dipped	Yellow
87-D502-12	D502-12	12-1/4	2-3/8	Plastic-dipped	Yellow



### Channel-Lock Pliers (Journeyman)

- Secure tongue and groove design for non-slip grip – even with heavy pressure
- Wide range of versatile jaw positions
- Tension-loaded joint to reduce handle wobble for sure gripping
- Induction-hardened jaws for long life



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-J502-10	J502-10	10-1/4	1-3/4	Journeyman	Yellow/Black

## PLIERS – SLIP-JOINT PLIERS



### Slip-Joint Pliers

- Shear-type cutter for precision wire cutting
- Two versatile jaw positions
- Serrated jaws provide sure-gripping power
- Nickel-chrome plated for long life
- Knurled handles for greater leverage



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D511-6	D511-6	6-9/16	1-3/16	1-3/16	Plastic-dipped	Turquoise Blue



### Slip-Joint Pliers – Hose Clamp

- Quickly installs and removes spring-tension hose clamps
- Nickel-chrome plated for long life
- Grips with either end or side of jaws for work in confined areas



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D514-8	D514-8	8-1/16	1-3/8	1-1/4	Plastic-dipped	Turquoise Blue

## PLIERS – SIDE-CUTTING PLIERS



### Side-Cutting Pliers – High-Leverage

- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- Induction-hardened cutting knives for long life



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D213-8NE	D213-8NE	8-11/16	1-7/16	Plastic-dipped	Dark Blue
87-D213-9NE	D213-9NE	9-3/8	1-19/32	Plastic-dipped	Dark Blue



### Side-Cutting Pliers – High-Leverage – Heavy-Duty

- Induction-hardened cutting knives for long life
- Cuts ACSR, screws, nails and most wire
- High-leverage design. Rivet is closer to the cutting edge for 46% greater cutting and gripping power than other plier designs
- Streamlined design with sure-gripping, cross-hatched knurled jaws
- Features combination polished and black-oxide finish



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D2000-9NE	D2000-9NE	9-3/8	1-19/32	Plastic-dipped	Royal Blue

# WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

## PLIERS – SIDE-CUTTING PLIERS



**Side-Cutting Pliers – High-Leverage – Heavy-Duty (Journeyman)**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	HANDLE FINISH	HANDLE COLOR
87-J2000-9NE	J2000-9NE	9-1/2	1-19/32	Journeyman	Light Blue/Black



**Side-Cutting Pliers – High-Leverage/Connector Crimping**



- Induction-hardened cutting knives for long life
- Crimping die behind hinge for superior leverage crimping non-insulated connectors, lugs and terminals
- High-leverage design; rivet is closer to the cut-

- ting edge for 46% greater cutting and gripping power than other plier designs
- Streamlined design with rounded nose and sure-gripping, cross-hatched knurled jaws

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D213-9NE-CR	D213-9NE-CR	9-3/8	1-19/32	Plastic-dipped	Yellow

## PLIERS – DIAGONAL-CUTTING PLIERS



**Diagonal-Cutting Pliers – High-Leverage – Heavy-Duty (Journeyman)**



- Induction-hardened knives for long life
- High-leverage design; rivet is closer to the cutting edge for 36% greater cutting and

- gripping power than other plier designs
- Short jaws and beveled cutting edges permit close cutting of wire

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-J2000-28	J2000-28	8-1/8	13/16	1-3/16	Journeyman	Light Blue/Black



**Diagonal-Cutting Pliers – High-Leverage – Angled Head – Heavy-Duty**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D2000-48	D2000-48	8-1/16	13/16	1-3/16	Plastic-dipped	Royal Blue



**Diagonal-Cutting Pliers – High-Leverage – Angled Head – Heavy-Duty (Journeyman)**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-J2000-48	J2000-48	8-1/8	13/16	1-3/16	Journeyman	Light Blue/Black



**Diagonal-Cutting Pliers – Tapered Nose**



Easy working in confined spaces.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D202-6	D202-6	6-1/8	13/16	11/16	Plastic-dipped	Red



**Diagonal-Cutting Pliers – Tapered Nose – Heavy Duty**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	JAW LENGTH (IN)	JAW WIDTH (IN)	HANDLE FINISH	HANDLE COLOR
87-D220-7	D220-7	7-11/16	1	31/32	Plastic-dipped	Red

## PLIERS – NEEDLE-NOSE (LONG-NOSE) PLIERS



**Needle-Nose Pliers – Midget Slim-Nose**



- Lightweight slim-nose pliers for precision subminiature assembly work
- Knurled jaws for sure-wrapping and looping
- Curved handles provide greater tool control

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D321-41/2C	D321-41/2C	4-13/16	1-1/16	Plastic-dipped	Royal Blue

# WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

## PLIERS – NEEDLE-NOSE (LONG-NOSE) PLIERS



### Needle-Nose Pliers – Side-Cutting



- Induction-hardened long-lasting cutting knives
- Knurled jaws for sure wrapping and looping
- Curved handles provide greater tool control

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D203-6	D203-6	6-5/8	1-7/8	Plastic-dipped	Yellow
87-D203-7	D203-7	7-3/16	2-7/16	Plastic-dipped	Yellow



### Needle-Nose Pliers – Side-Cutting (Journeyman)



- Induction-hardened long-lasting cutting knives
- Knurled jaws for sure-wrapping and looping

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-J203-6	J203-6	6-3/4	1-7/8	Journeyman	Yellow/Black



### Needle-Nose Pliers – Side-Cutting/Wire Stripping – Heavy-Duty



- Heavier design for greater cutting power
- Induction-hardened long-lasting cutting knives
- Cleanly strips 12 AWG wire
- Knurled jaws for sure-wrapping and looping

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D203-8N	D203-8N	8-7/16	2-5/16	Plastic-dipped	Yellow



### Insulated Needle-Nose Pliers – Side-Cutting – Heavy Duty



- Insulated handles rated up to 1000V
- Individually tested to exceed standards
- Extended handles provide added reach and leverage
- Heavier design for easier, more comfortable cutting
- Induction-hardened cutting knives for long life

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	MAX JAW CAPACITY (IN)	HANDLE FINISH	HANDLE COLOR
87-D203-8-INS	D203-8-INS	8-7/8	2-5/16	Insulated	Orange

## HEX KEYS – FOLDING HEX-KEY SETS



### Folding Hex-Key Sets



Hex ends are square-cut for a secure full-depth fit and maximum contact with the hex socket to prevent slippage and stripping of the socket.

PART NO	VENDOR PART NO	DESCRIPTION
87-70579	70579	3/16, 7/32, 1/4, 5/16, 3/8
87-70581	70581	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32
87-70591	70591	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4



### Folding Hex-Key Sets (Grip-It)



- Grip-It® handle provides sturdy comfortable grip to maximize torque
- Hex ends are square-cut for a secure full-depth fit and maximum contact with the hex socket to prevent slippage and stripping of the socket

PART NO	VENDOR PART NO	DESCRIPTION
87-70570	70570	3/16, 7/32, 1/4, 5/16, 3/8
87-70574	70574	5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4
87-70575	70575	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16

**WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS**

**HEX KEYS – L-STYLE HEX-KEY SETS**



**L-Style Hex-Key Caddy Sets (Square-Cut)**



- L-style hex keys in convenient caddy sets
- Caddy contains a unique locking feature and marked slots for each key
- Hex ends are square-cut for a secure full-

depth fit and maximum contact with the hex socket to prevent slippage and stripping of the socket

PART NO	VENDOR PART NO	DESCRIPTION
87-LLK12	LLK12	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16



**L-Style Hex-Key Caddy Sets (Ball Ends)**



Ball-end works on angles up to 30 degrees.

PART NO	VENDOR PART NO	DESCRIPTION
87-BLK12	BLK12	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16

**HEX KEYS – T-HANDLE HEX-KEY SETS**



**T-Handle Hex-Key Sets with Stand**



Furnished complete with a rugged metal stand for convenient hanging, storage on bench or wall.

PART NO	VENDOR PART NO	DESCRIPTION
JTH910E	JTH910E	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8

**SCREWDRIVERS – CUSHION-GRIP SCREWDRIVER SETS**



**2-Piece Cushion-Grip Stubby Screwdriver Set**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE LENGTH (IN)	TIP STYLE	TIP WIDTH	SHANK STYLE
87-85071	85071	3-7/16	1-1/2	Keystone	1/4 in.	Round
		3-7/16	1-1/2	Phillips	#2	Round



**7-Piece Cushion-Grip Screwdriver Set**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE LENGTH (IN)	TIP STYLE	TIP WIDTH	SHANK STYLE
87-85076	85076	8-11/32	4	Keystone	1/4	Square
		10-15/16	6	Keystone	5/16	Round
		6-3/4	3	Cabinet	3/16	Round
		9-3/4	6	Cabinet	3/16	Round
		8-11/32	4	Cabinet	1/4	Round
		6-3/4	3	Phillips	#1	Round
		8-5/16	4	Phillips	#2	Round

## WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

### SCREWDRIVERS – CUSHION-GRIP SCREWDRIVERS

- Cushion-Grip handle allows for greater torque and comfort
- Integral flanges inside handle provide solid twist-resistant blade anchor
- Special heat-treated shafts
- Patented Tip-Ident® quickly identifies the type of screwdriver and tip



#### Cushion-Grip Cabinet-Tip Screwdrivers – Round-Shanks



Narrow cabinet tip permits blade access where space is limited.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-601-3	601-3	6-3/4	3	Round	Cabinet	3/16
87-601-4	601-4	7-3/4	4	Round	Cabinet	3/16
87-601-6	601-6	9-3/4	6	Round	Cabinet	3/16
87-601-8	601-8	11-3/4	8	Round	Cabinet	3/16



#### Cushion-Grip Cabinet-Tip Screwdrivers – Heavy-Duty Round-Shanks



- Narrow cabinet tip permits blade access where space is limited.
- Heavy-duty round shank

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-605-4	605-4	8-11/32	4	Round	Cabinet	1/4
87-605-6	605-6	10-11/32	6	Round	Cabinet	1/4
87-605-8	605-8	12-11/32	8	Round	Cabinet	1/4



#### Cushion-Grip Keystone-Tip Screwdrivers – Heavy-Duty Round-Shanks



Hex bolster reinforces shank for hard use and allows wrench-assisted turning.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-602-4	602-4	8-11/32	4	Round	Keystone	1/4
87-602-6	602-6	10-5/16	6	Round	Keystone	5/16
87-602-8	602-8	13-7/16	8	Round	Keystone	3/8



#### Cushion-Grip Keystone-Tip Screwdrivers – Heavy-Duty Square-Shanks



- Heavy-duty square shank for wrench-assisted turning
- Bolster reinforces shank for hard use
- Designed for the most demanding uses

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-600-4	600-4	8-11/32	4	Square	Keystone	1/4
87-600-6	600-6	10-15/16	6	Square	Keystone	5/16
87-600-8	600-8	13-7/16	8	Square	Keystone	3/8



#### Cushion-Grip Profilated Phillips-Tip Screwdrivers – Round-Shanks



- Tips are precision-machined to provide a more consistent geometric symmetry than conventional Phillips-tip screwdrivers
- Provides accurate fit and torque without slippage

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	PHILLIPS SIZE
87-603-1	603-1	3-7/16	1-1/2	Round	Phillips - Profilated	#2
87-603-4	603-4	8-5/16	4	Round	Phillips - Profilated	#2

## WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

### SCREWDRIVERS – PLASTIC HANDLE SCREWDRIVERS

- Tough amber plastic handle
- Integral flanges inside handle provide solid twist-resistant shaft anchor



#### Plastic-Handle Cabinet-Tip Screwdrivers – Round-Shanks



- Small-diameter shank for use in recessed holes or tight places
- Well-suited for electrical and telecommunications work

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-A216-6	A216-6	9	6	Round	Cabinet	1/8
87-A3166	A316-6	9-5/8	6	Round	Cabinet	3/16



#### Plastic-Handle Keystone-Tip Screwdrivers – Round-Shanks



- Oversized handle is 35% larger than comparable screwdriver handles
- Delivers up to 50% extra power to perform tough jobs with minimum effort

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-BD144	BD144	8-1/2	4	Round	Keystone	1/4



#### Plastic-Handle Keystone-Tip Screwdrivers – Square-Shanks



- Oversized handle is 35% larger than comparable screwdriver handles
- Delivers up to 50% extra power to perform tough jobs with minimum effort
- Square shank for wrench-assisted turning

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-BD286	BD286	10-1/2	6	Square	Keystone	1/4



#### Plastic-Handle Profilated Phillips-Tip Screwdrivers – Round-Shanks



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-BD122	BD122	8-1/2	4	Round	Phillips	#2



#### Plastic-Handle Cabinet-Tip Screwdrivers – Pocket-Clip



Includes convenient pocket clip.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-A130-3	A130-3	4-7/8	3	Round	Cabinet	1/8
87-A116-3	A116-3	5-7/16	3	Round	Cabinet	3/32

### SCREWDRIVERS – SPECIALTY SCREWDRIVERS



#### 10-in-1 Screwdriver/Nut Driver



Includes two nut drivers (1/4 and 5/16 inch); two slotted-tip screw drivers (1/4 inch and 3/16 inch); two Phillips-tip (#1 and #2); two TORX bits (#10 and #15) and two square-recess bits (#1 and #2).

PART NO	VENDOR PART NO	DESCRIPTION
87-32477	32477	10-in-1 Screwdriver/Nut Driver



#### 5-in-1 Screwdriver/Nut Driver



Includes 5/16 inch nut driver; two Phillips-tip (#1 and #2); two standard-tips (3/16 and 9/32)

PART NO	VENDOR PART NO	DESCRIPTION
87-32476	32476	5-in-1 Screwdriver/Nut Driver

# WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

## SCREWDRIVERS – SPECIALTY SCREWDRIVERS



### 4-in-1 Screwdriver/Nut Driver



Includes standard-tips (3/16 and 9/32 inch) and two Phillips-tips (#1 and #2).

PART NO	VENDOR PART NO	DESCRIPTION
87-32460	32460	4-in-1 Screwdriver



### Auto-Loading Screwdriver



- Patented auto-loading bit design
  - Pull handle back to move bit to storage chamber
  - Rotate handle to select bit
  - Push handle forward to load bit
- Standard 1/4 inch hex drive; includes six replaceable industrial grade bits; three standard-tip screwdriver bits; two Phillips-tip bits; and one valve core removal tip
- Magnetic head holds fastener in place

PART NO	VENDOR PART NO	DESCRIPTION
87-TLSD1	TLSD1	Auto-Loading Screwdriver



### Phillips-Tip Screw-Holding Screwdrivers



- Positive gripping action holds and starts screws in awkward, hard to reach places
- Blade separates to hold the screw
- Not designed for torquing or tightening

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	SHANK STYLE	TIP DESCRIPTION	TIP WIDTH (IN)
87-K16	K16	7	—	—	Phillips - Screw Holding	All

## WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

### NUT DRIVERS – CUSHION-GRIP

- Cushion-Grip handle allows for greater torque and comfort
- Patented Tip-Ident® quickly identifies nut driver and size



#### Cushion-Grip Magnetic Long Nut Drivers – 18" Shanks

Rare earth magnetic tip.



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
646-1/4M	646-1/4M	9-3/4	6	1/4
646-5/16M	646-5/16M	9-3/4	6	5/16



#### Cushion-Grip Magnetic Long Nut Drivers – 18" Shanks

Rare earth magnetic tip.



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-618-1/4M	618-1/4M	21-3/4	18	1/4
87-618-5/16	618-5/16M	21-3/4	18	5/16



#### Cushion-Grip Nut Drivers – 3" Shanks



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-630-1/4	630-1/4	6-3/4	3	1/4
87-630-5/16	630-5/16	6-3/4	3	5/16
87-630-3/8	630-3/8	6-3/4	3	3/8
87-630-7/16	630-7/16	7-5/16	3	7/16



#### Cushion-Grip Nut Drivers – 6" Shanks



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-646-1/4	646-1/4	9-3/4	6	1/4
87-646-5/16	646-5/16	9-3/4	6	5/16
87-646-3/8	646-3/8	9-3/4	6	3/8
87-646-1/2	646-1/2	10-5/16	6	1/2

### NUT DRIVERS – PLASTIC-HANDLE



#### Plastic-Handle Stubby Nut Drivers – 1-1/4" Shanks



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-SS8-1/4	SS8	3-3/4	1-1/4	1/4
87-SS10-5/16	SS10	3-3/4	1-1/4	5/16
87-SS12-3/8	SS12	3-3/4	1-1/4	3/8



#### Plastic-Handle Nut Drivers – 3" Shanks



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S8-1/4	S8	6-5/8	3	1/4
87-S10-5/16	S10	6-5/8	3	5/16
87-S12-3/8	S12	6-5/8	3	3/8
87-S14-7/16	S14	7	3	7/16
87-S11-11/32	S11	6-5/8	3	11/32



#### Plastic-Handle Nut Drivers – 6" Shanks



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S86-1/4	S86	9-5/8	6	1/4
87-S106-5/16	S106	9-5/8	6	5/16
87-S126-3/8	S126	9-5/8	6	3/8
87-S116-11/32	S116	9-5/8	6	11/32

# WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS

## NUT DRIVERS – PLASTIC-HANDLE



### Plastic-Handle Magnetic Nut Drivers – 3" Shanks



Rare earth magnetic tip.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S8M-1/4	S8M	6-5/8	3	1/4
87-S10M-5/16	S10M	6-5/8	3	5/16



### Plastic-Handle Magnetic Nut Drivers – 6" Shanks



Rare earth magnetic tip.

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S86M-1/4	S86M	9-5/8	6	1/4
87-S106M-5/16	S106M	9-5/8	6	5/16



### Plastic-Handle Long Nut Drivers – 18" Shanks



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	BLADE/SHANK LENGTH (IN)	HEX SIZE (IN)
87-S818M	S818M	21-5/8	18	1/4
87-S1018M	S1018M	21-5/8	18	5/16

## NUT DRIVERS – SETS



### 7-Piece Plastic-Handle Nut Driver Set – 3" Shanks



- Set contains seven hollow-shaft nut drivers in the most popular hex sizes
- Convenient vinyl pouch hangs up, rolls up

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-K7	K7	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2



### 7-Piece Cushion-Grip Nut Driver Set – 3" Shanks



- Cushion-Grip handle allows for greater torque and comfort
- General-purpose selection of the most frequently used nut drivers with 3 inch shanks
- Patented Tip-Ident® quickly identifies nut driver and size
- Includes reusable plastic container
- 631M includes rare earth magnet tips

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
631M	631M	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2
87-631S	631	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2



### 7-Piece Cushion-Grip Nut Driver Set – 6" Shanks



- Cushion-Grip handle allows for greater torque and comfort
- General-purpose selection of the most frequently used nut drivers with 6 inch shanks
- Patented Tip-Ident® quickly identifies nut driver and size
- Includes reusable plastic container

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-647L	647	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2



### 2-Piece Cushion-Grip Magnetic Nut Driver Set – 1-1/2" Shanks



Rare earth magnetic tip.

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-610M	610M	1/4, 5/16

**WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS**

**NUT DRIVERS – NUT DRIVER SETS**

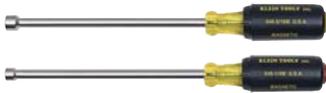


**2-Piece Cushion-Grip Magnetic Nut Driver Set – 3" Shanks**



Rare earth magnetic tip.

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-630M	630M	1/4, 5/16



**2-Piece Cushion-Grip Magnetic Nut Driver Set – 6" Shanks**



Rare earth magnetic tip.

PART NO	VENDOR PART NO	INCLUDES SIZES (IN)
87-646M	646M	1/4, 5/16

**NUT DRIVERS – “JIFFY CHUCKS” MAGNETIC HEX-DRIVE CHUCKS**



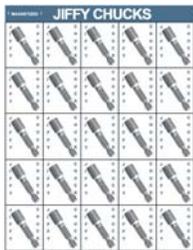
**875029 & 875030 “Jiffy Chuck” Magnetic Hex-Drive Chuck Sets**



Includes carrying case, four assorted lengths of 1/4" hex-drive chucks, four assorted lengths of 5/16" hex-drive chucks, one 1-3/4" long 3/8"

hex-drive chuck. 875030 also includes quick-change adapter for 3/8" or 5/16" chuck.

PART NO	DESCRIPTION
875029	Magnetic Hex-Drive Chuck Set - 9-Piece
875030	Magnetic Hex-Drive Chuck Set - 9-Piece w/Quick-Change Adapter



**“Jiffy Chuck” Magnetic Hex-Drive Chucks – 25 Packs**



PART NO	DESCRIPTION
86-10224-25PK	Jiffy Chuck - Hex-Drive Chuck - 1/4 in. Hex Opening x 1-3/4 in. long (Pack of 25)
86-10230-25PK	Jiffy Chuck - Hex-Drive Chuck - 5/16 in. Hex Opening x 1-3/4 in. long (Pack of 25)



**“Jiffy Chuck” Magnetic Hex-Drive Chucks – Individual Chucks**



PART NO	DESCRIPTION	HEX OPENING (IN)	LENGTH (IN)
86-10222	Jiffy Chuck - Hex-Drive Chuck - 1/4 in. Hex Opening x 1-3/4 in. long	1/4	1-3/4
86-10242	Jiffy Chuck - Hex-Drive Chuck - 1/4 in. Hex Opening x 2-9/16 in. long	1/4	2-9/16
86-10257	Jiffy Chuck - Hex-Drive Chuck - 1/4 in. Hex Opening x 4 in. long	1/4	4
86-10261	Jiffy Chuck - Hex-Drive Chuck - 1/4 in. Hex Opening x 6 in. long	1/4	6
86-10228	Jiffy Chuck - Hex-Drive Chuck - 5/16 in. Hex Opening x 1-3/4 in. long	5/16	1-3/4
86-10246	Jiffy Chuck - Hex-Drive Chuck - 5/16 in. Hex Opening x 2-9/16 in. long	5/16	2-9/16
86-10265	Jiffy Chuck - Hex-Drive Chuck - 5/16 in. Hex Opening x 4 in. long	5/16	4
86-10269	Jiffy Chuck - Hex-Drive Chuck - 5/16 in. Hex Opening x 6 in. long	5/16	6

# WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS



## NUT DRIVERS – SLIDE DRIVERS

Slide driver has both of the most common HVAC nut sizes, 1/4" and 5/16" in one tool. Changes size by pushing or pulling outer slide. A special magnet holds screw securely at both positions.



### Slider Driver – Bit Driver for Power Drill

Works in either a power drill or with the included 3 inch removable handle.



PART NO	INCLUDES SIZES (IN)
BD-021	Bit Driver - Slide Driver



### Slide Driver with Handle



PART NO	INCLUDES SIZES (IN)
HH-011	Slide Driver - 10 in. Length
HH-012	Slide Driver - 7 in. Length
HH-013	Slide Driver - 3 in. Length

## NUT DRIVER – FLEXIBLE SHAFT NUT DRIVERS



### Flexible Shaft Nut Driver Kit



The ideal tool for getting into those tight spaces; 23-Piece Kit includes:

- 2-1/2 inch flexible driver with heavy-duty flexible shaft
- 8-1/2 inch flexible driver with heavy-duty flexible shaft
- T-handle for better grip
- Nine 6-point sockets
- Five slotted bits
- Three Phillips bits
- Three Torx bits

PART NO	DESCRIPTION
FSND-1	Flexible Shaft Nut Driver Kit (23 pieces)

## TAPPING TOOLS AND AWLS



### Six-in-One Tapping Tool



- Two high-carbon steel taps are secured in reversible holder
- Quickly forms new threads, reforms burred threads and cleans out plaster obstructions
- Taps sizes 6-32, 8-32, 10-32, 10-24, 12-24 and 1/4-20
- Each tap size rethreads to next larger size if threads are stripped

PART NO	VENDOR PART NO	DESCRIPTION
87-627-20	627-20	Tapping Tool - Six In One



### Cushion-Grip Scratch Awl



- Professional heavy-duty hard-pointed awl
- Scribes metal, starts screw holes, performs a variety of piercing and punching jobs
- Rigid, chrome-plated, heat-treated, tempered-steel shank has full reinforcing bolster at handle for extra strength and for handle impact reinforcement
- Cushion-Grip handle allows for greater comfort

PART NO	VENDOR PART NO	DESCRIPTION
87-650	650	Scratch Awl - Cushion Grip

## WRENCHES, PLIERS, SCREWDRIVES & HAND TOOLS



### Beverage Tool

- Suitable for users from the apprentice to the demanding professional
- Cushion-Grip handle resists slippage and provides the comfort needed for frequent use
- Professionally designed and rigorously tested

- by an expert team to handle both foreign and domestic applications
- Bottle cap Tip-Ident® allows for quick identification in tool pouches or crowded drawers
- High-quality stainless steel construction



PART NO	VENDOR PART NO	DESCRIPTION
87-98002BT	98002BT	Beverage Tool



### Riveting Hammer

High-carbon steel round head is forged and hardened; flat striking surface with rounded

cross peen; straight-grain American hickory handle is stained and lacquered.



PART NO	VENDOR PART NO	DESCRIPTION
821-12	821-12	Riveting Hammer (12 oz.)

## WIRE STRIPPERS, CRIMPERS & CUTTING TOOLS



### 87-5020F Easy Stripper – Heavy Duty

- Heavy-duty multi-purpose tool; strips, crimps, and cuts
- Self adjusting stripper; includes micro adjust-

ment knob for stripping wire smaller than 24 AWG, and adjustable stop for setting correct wire stripping length



PART NO	DESCRIPTION	OVERALL LENGTH (IN)	CUTS (AWG)	STRIPS (AWG)	CRIMPS INS (AWG)	CRIMPS NON-INS (AWG)
87-5020F	Wire Stripper/Cutter/Crimper (Easy Stripper - Heavy Duty)	8-1/4	10-24	10-24	10-22	4-22



### 87-5008F Easy Stripper

- Multi-purpose; strips, crimps and cuts

- Self-adjusting stripper



PART NO	DESCRIPTION	OVERALL LENGTH (IN)	CUTS (AWG)	STRIPS (AWG)	CRIMPS INS (AWG)	CRIMPS NON-INS (AWG)
87-5008F	Wire Stripper/Cutter/Crimper (Easy Stripper)	8-1/4	10-22	10-26	10-22	10-22



### 87-K1412 (K1412) Wire Strippers/Cutters

- Quickly removes outer jacket of Type NM-B nonmetallic-sheathed cable
- Stripping holes easily remove insulation

- Narrow nose fits into tight places
- Precision shear-type blades for square, clean cuts on solid copper wire



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CABLE SHEARING - NM CABLE	SCREW/BOLT SHEARING SIZE
87-K1412	K1412	7-7/10	12-14	12/2, 14/2	6-32, 8-32



### 87-11045 (11045) & Wire Strippers/Cutters

- Compact lightweight wire-stripping/cutting tool
- Narrow nose fits into tight places
- Spring-loaded for self-opening action
- Wire looping and bending holes

- Hardened steel with precision ground stripping holes
- Do not use for cutting steel wire or bolts



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CABLE SHEARING - NM CABLE	SCREW/BOLT SHEARING SIZE
87-11045	11045	6-1/4	10-18 (solid)	—	—



### 87-11049 (11049) Wire Strippers/Cutters

- Compact lightweight wire-stripping/cutting tool
- Narrow nose fits into tight places
- Spring-loaded for self-opening action
- Wire looping and bending holes

- Hardened steel with precision ground stripping holes
- Do not use for cutting steel wire or bolts



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CABLE SHEARING - NM CABLE	SCREW/BOLT SHEARING SIZE
87-11049	11049	6-1/4	8-18 (stranded)	—	—

# WIRE STRIPPERS, CRIMPERS & CUTTING TOOLS



## 87-11055 (11055) Wire Strippers/Cutters



- Curved handles help reach into confined areas
- Spring-loaded for self-opening action
- Handy closure lock for convenient storage
- Strong gripping serrated nose for easy bending, shaping and pulling of wire
- Precision shear-type blades for clean cuts on solid and stranded copper wire

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	SCREW/BOLT SHEARING SIZE
87-11055	11055	7-1/8	10-18 (solid), 12-20 (stranded)	6-32, 8-32



## 87-11057 (11057) Wire Strippers/Cutters



- Curved handles help reach into confined areas
- Spring-loaded for self-opening action
- Precision shear-type blades for clean cuts on solid and stranded copper wire
- Strong gripping serrated nose for easy bending, shaping and pulling of wire
- Handy closure lock for convenient storage

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	SCREW/BOLT SHEARING SIZE
87-11057	11057	7-1/8	20-30 (solid), 22-32 (stranded)	6-32, 8-32



## 87-1011 (1011) Wire Strippers/Cutters



- Scissors action of 1/2 inch wide cutter makes clean cuts with little effort
- Spring-loaded for self-opening action
- Serrated nose jaws to bend, shape or pull wire; holes for looping wire ends

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTS (AWG)	STRIPS (AWG)
87-1011	1011	6-1/8	10-20	10-20



## 87-1001 (1001) Multi-Purpose Electrician's Tool



- Crimps, cuts and strips; cleanly shears bolts
- Two wire cutters; one at tip the other halfway back near stripping holes.
- Pivot nut adjusts tension
- Left and right-hand holes near tip for looping wire ends
- Wire cutter in nose and below pivot
- Crimping dies color-coded for easy identification

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CRIMPS INSULATED (AWG)	CRIMPS NON-INSULATED (AWG)	SCREW/BOLT SHEARING SIZE
87-1001	1001	8-1/2	8-22 (solid), 10-26 (stranded)	10-22	10-22	4-40, 6-32, 8-32, 10-24, 10-32



## 87-1010 (1010) Multi-Purpose Electrician's Tool - Long-Nose



- Crimps, cuts and strips; cleanly shears bolts
- Narrow serrated pliers nose to pull, loop and bend wire
- Long curved cutting blade
- Cutters/strippers are in front of the pivot for maximum ease-of-use into tight spaces

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CRIMPS INSULATED (AWG)	CRIMPS NON-INSULATED (AWG)	SCREW/BOLT SHEARING SIZE
87-1010	1010	8-1/4	8-22	10-22	10-22	4-40, 5-40, 6-32, 8-32, 10-24, 10-32



## 87-1005 (1005) Crimping/Cutting Tool - Insulated/Non-Insulated Terminals



- Tapered nose design for confined spaces
- Special hardened wire cutter in nose
- Crimping die marked for insulated and non-insulated solderless terminals and connectors

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CRIMPS INSULATED (AWG)	CRIMPS NON-INSULATED (AWG)
87-1005	1005	9-3/4	—	10-22	10-22



## 87-1006 (1006) Crimping/Cutting Tool - Non-Insulated/Insulated Terminals



- Designed for crimping non-insulated solderless terminals and connectors
- Tapered nose for working in confined spaces
- Special hardened wire cutter in nose

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	STRIPS (AWG)	CRIMPS INSULATED (AWG)	CRIMPS NON-INSULATED (AWG)
87-1006	1006	9-3/4	—	—	10-22

## WIRE STRIPPERS, CRIMPERS & CUTTING TOOLS



### 87-D275-5 (D275-5) Lightweight Flush Diagonal-Cutting Electronics Pliers



- Shear cutting greatly reduces cutting effort and minimizes fly-off
- Cushioned grips and steel return spring for increased comfort during repetitive cutting
- Ultra slim profile increases access in confined areas

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTS (AWG)
87-D275-5	D275-5	5	Up to 18



### 87-63050 (63050) High-Leverage Cable Cutters



- High-leverage design for exceptional cutting capability
- Precision one-hand shearing action
- Cable-gripping shear-type jaws
- Perfect for working in confined spaces

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CABLE CUTTING CAPACITY
87-63050	63050	9-1/2	4/0 aluminum, 2/0 soft copper, 100 pair 24 AWG communications wire



### 63060 Ratcheting Cable Cutters



- High-leverage ratchet mechanism for single-handed cutting of copper and aluminum cables, leaving no burrs or sharp edges
- Patented two-step ratchet mechanism requires fewer strokes per cut
- Quick release lever opens blades easily in every cutting position. (Allows removal of the cable before completion of cut)
- Precision ratcheting mechanism holds cable tight and allows rapid, straight cuts with minimum effort
- Hardened steel cutting blades for lasting strength and sharpness
- Plastic covered handles with hand guards for comfort and firm grip
- Locking lever keeps handles closed for easy transport; fits in a toolbox or bag

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CABLE CUTTING CAPACITY
63060	63060	10-1/4	—

## SNIPS

### AVIATION SNIPS – OFFSET – KLEIN TOOLS



Offset snips flow material away from blades making long cuts easier and cut tighter curves.



### 87-2100L (2100L) Offset Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-2100L	2100L	9-1/2	1-1/4	Left	18	22



### 87-2101R (2101R) Offset Aviation Snips – Right

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-2101R	2101R	9-1/2	1-1/4	Right	18	22



### 87-2100S (2100S) Offset Aviation Snips – Straight

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-2100S	2102S	9-1/2	1-1/2	Straight	18	22

## SNIPS

### AVIATION SNIPS – OFFSET – MIDWEST



Offset snips flow material away from blades making long cuts easier and cut tighter curves.



#### 87-P6510L (P6510L) Offset Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6510L	P6510L	10	1-1/4	Left	18	22



#### 87-P6510R (P6510R) Offset Aviation Snips – Right

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6510R	P6510R	10	1-1/4	Right	18	22



#### 87-P6510S (P6510S) Offset Aviation Snips – Straight

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6510S	P6510S	10	1-1/4	Straight	18	22

### AVIATION SNIPS – OFFSET – MIDWEST (SPECIAL HARDNESS/HEAVY DUTY)

Specially heat-treated steel extends blade life cutting hardened sheet metals such as stainless steel, Inconel and titanium.



#### 87-SSP6716L (SSP6716L) Offset Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-SSP6716L	SSP6716L	10	1-3/8	Left	—	22

### AVIATION SNIPS – STANDARD – MIDWEST



#### 87-P6716L (P6716L) Standard Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716L	P6716L	10	1-3/8	Left	18	22



#### 87-P6716R (P6716R) Standard Aviation Snips – Right

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716R	P6716R	10	1-3/8	Right	18	22



#### 87-P6716S (P6716S) Standard Aviation Snips – Straight

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716S	P6716S	10	1-1/2	Straight	18	22

## SNIPS

### AVIATION SNIPS – UPRIGHT – MIDWEST



Right angle blades make cutting complete circles easier in tight spaces using a push or pull motion.



#### 87-P6900L (P6900L) Upright Aviation Snips – Left

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6900L	P6900-L	8	1-1/4	Left	24	28



#### 87-P6900R (P6900R) Upright Aviation Snips – Right

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6900R	P6900-R	8	1-1/4	Right	24	28

### AVIATION SNIPS – LONG STRAIGHT CUT – MIDWEST



Makes long cuts faster on a variety of materials.



#### 87-P6716A (P6716A) Aviation Snips – Straight (Long Cut)

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716A	P6716A	12	3	Straight	20	24

Midwest tinner snips feature hot-drop forged blades for exceptional strength and edge life, “Kush’n-Kote” vinyl grips to comfort user’s hand and a full polish finish.



### STRAIGHT TINNER SNIPS

Cuts left and right wide curves, and power straight cuts



#### 87-P77S (P77S) Straight Tinner Snips – 7"

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P77S	P77S	7	1-3/4	—	24	28



#### 87-P107S (P107S) Straight Tinner Snips – 10"

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P107S	P107S	10	2-1/2	—	22	26



#### 87-P127S (P127S) Straight Tinner Snips – 12"

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P127S	P127S	12	3	—	20	22

### COMBINATION TINNER SNIPS

Cuts curves easily, and features long cut lengths.



#### 87-P147C (P147C) Combination Tinner Snips – 14"

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P147C	P147C	14	3-7/8	—	18	22

### CIRCULAR “DUCKBILL” TINNER SNIPS

For cutting tight left or right curves and straight cuts.



#### 87-P77D (P77D) Circular “Duckbill” Tinner Snips – 7"

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P77D	P77D	7	1-3/4	—	26	28

## SNIPS

### CIRCULAR "DUCKBILL" TINNER SNIPS



For cutting tight left or right curves and straight cuts.



#### 87-P107D (P107D) Circular "Duckbill" Tinner Snips - 10"

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P107D	P107D	10	2-1/2	—	24	26



#### 87-P127D (P127D) Circular "Duckbill" Tinner Snips - 12"

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P127D	P127D	12	3	—	22	24

### BULLDOG TINNER SNIPS

Big powerful pattern cuts thick materials, reinforced seams, and multiple layers of sheet materials.



#### 87-P167B (P167B) Bulldog Tinner Snips - 16"

PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P167B	P167B	16	2-1/2	—	16	18

### SPECIALTY SNIPS



#### 87-P657N (P657N) Needle Nose Snips

Cuts intricate curves; forged blades for strength and sharpness.



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P657N	P657N	6-1/2	1-1/4	—	24	28



#### 87-2103 (2103) Bulldog/Notch Snips



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-2103	2103	9-1/4	7/8	Notch	18	22



#### 87-P6716B (P6716B) Bulldog/Notch Snips



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6716B	P6716B	9-1/2	—	Notch	16	18



#### 87-P6300 (P6300) Cable Cutter Snips

Compound leverage handles and M2 tool steel blade inserts, easily cuts heavy cable and wire.



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	CUTTING LENGTH (IN)	CUTTING PATTERN	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-P6300	P6300	9	1/8	5/32	1/8	



#### 87-M1200 (M1200) Replaceable Blade Snips

Use in either hand; cuts straight, as well as wide curves; blades are replaceable.



PART NO	VENDOR PART NO	DESCRIPTION
87-M1200	M1200	Snips - Replaceable Blade - 12 in



#### 87-M1200R (M1200R) Replacement Blades for 87-M1200



PART NO	VENDOR PART NO	DESCRIPTION
87-M1200R	M1200R	Replacement Blades for 87-M1200 (M1200)

# SHEET METAL TOOLS

## SEAMERS



**87-86552 (86552) Seamer – Offset**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-86552	86552	8	1-1/4	3	22	24



**87-FCTMS2 (FCTMS2) Seamer – Offset**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMS2	FCTMS2	8-1/4	1-1/4	3-3/16	22	26



**87-86553 (86553) Seamer – Straight**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-86553	86553	8-3/8	1-1/4	3	22	24



**87-FCTMS1 (FCTMS1) Seamer – Straight**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMS1	FCTMS1	8-1/4	1-1/4	3-3/16	22	26



**87-FCTMS6 (FCTMS6) Seamer – Straight**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMS6	FCTMS6	8-1/4	1-1/4	6	22	26

## NOTCHERS



**87-86551 (86551) Notcher**



PART NO	VENDOR PART NO	THROAT DEPTH (IN)	NOTCH ANGLE (DEGREES)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-86551	86551	13/16	30	—	22	24



**87-FCTMN1 (FCTMN1) Notcher**



PART NO	VENDOR PART NO	THROAT DEPTH (IN)	NOTCH ANGLE (DEGREES)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMN1	FCTMN1	13/16	31	—	22	26

## CRIMPERS



**87-86550 (86550) Crimper – 5-Blade**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-86550	86550	9	1-1/2	3/4	24	28



**87-FCTMC5 (FCTMC5) Crimper – 5-Blade**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMC5	FCTMC5	10	1-3/4	7/8	24	28



**87-FCTMC5S (FCTMC5S) Crimper – 5-Blade**



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMC5S	FCTMC5S	9-1/4	1-1/4	13/16	24	28

## SHEET METAL TOOLS

### SNAP LOCK PUNCHES



#### 87-FCTML1 (FCTML1) Snap Lock Punch



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	THROAT DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTML1	FCTML1	8	3/8	3/8	24	28

### FOLDING TOOLS



#### 87-FCTMF1 (FCTMF1) Folding Tool



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	FOLD DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMF1	FCTMF1	12	3/8, 1	—	24	28



#### 87-FCTMF2 (FCTMF2) Folding Tool



PART NO	VENDOR PART NO	OVERALL LENGTH (IN)	FOLD DEPTH (IN)	JAW WIDTH (IN)	METAL THICKNESS COLD ROLLED SHEET METAL (GAUGE)	METAL THICKNESS STAINLESS STEEL (GAUGE)
87-FCTMF2	FCTMF2	18	3/8, 1	—	24	28

## DUCT TOOLS



#### 87-FCTMX1 (FCTMX1) Duct Slitter



Used to scribe a line or pierce and enlarge holes in sheet metal.

PART NO	VENDOR PART NO	DESCRIPTION
87-FCTMX1	FCTMX1	Duct Slitter



#### 87-FCTMP1 (FCTMP1) Pipe Duct Cutter – Double Cut



Three hardened steel blades cleanly cut 1/8 inch wide tracks, producing a uniform cut leaving both edges clean. Suitable for 22 gauge cold-rolled sheet steel and 24 gauge stainless steel.

PART NO	VENDOR PART NO	DESCRIPTION
87-FCTMP1	FCTMP1	Pipe Duct Cutter - Double Cut



#### 87-FCTMD1 (FCTMD1) Duct Stretcher – Offset



Aligns and pulls ductwork together, easing installation of drive cleats. Offset handle protects hand.

PART NO	VENDOR PART NO	DESCRIPTION
87-FCTMD1	FCTMD1	Duct Stretcher - Offset

### Round Hole Duct Cutter



For use with ductboard from 1 to 1-1/2 inches thick. Cuts 3 to 20 inch diameter openings.

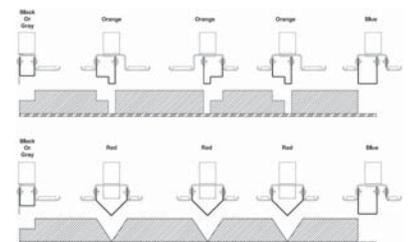
PART NO	DESCRIPTION
87-40060	Round Hole Duct Cutter

### Ductboard Hand Tools

For use with ductboard up to 1 inch thick.



PART NO	DESCRIPTION
87-40066	90V/Miter Cut Tool - Red
87-40076	Corner Tool (Left Only) - Orange
87-40074	Corner Tool (Right Only) - Orange
87-40072	End Cut-Off Tool (4-in-1) - Blue
87-40068	Female/Rabbit Tool - Gray



## FLARING & SWAGING TOOLS

### FLARING TOOLS



#### 87-FT195 (FT195) Flaring Tool

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PART NO	VENDOR PART NO	FLARES TUBE OD (IN)	FLARE ANGLE (DEGREES)	COMPATIBLE TUBE MATERIALS
87-FT195	FT195	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8	45	Copper, aluminum, brass, thin wall steel



#### 87-FT800FN (FT800FN) Flaring Tool

**cps®**

- Engineered to create stronger flare joints for higher pressure R-410A systems
- Includes plastic storage case

PART NO	VENDOR PART NO	FLARES TUBE OD (IN)	FLARE ANGLE (DEGREES)	COMPATIBLE TUBE MATERIALS
87-FT800FN	FT800FN	3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4	45	Copper, aluminum, brass, thin wall steel



#### 70051 Flaring Tool

**Mastercool®**  
"World Class Quality"

PART NO	VENDOR PART NO	FLARES TUBE OD (IN)	FLARE ANGLE (DEGREES)	COMPATIBLE TUBE MATERIALS
70051	70051	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8	45	Copper, aluminum, brass, thin wall steel



#### 70052 Flaring Tool

**Mastercool®**  
"World Class Quality"

PART NO	VENDOR PART NO	FLARES TUBE OD (IN)	FLARE ANGLE (DEGREES)	COMPATIBLE TUBE MATERIALS
70052	70052	3/16, 1/4, 5/16, 3/8, 1/2, 5/8	45	Copper, aluminum, brass, thin wall steel

### FLARING & SWAGING TOOL SETS



#### 87-FS275 (FS275) Flaring and Swaging Tool Set

**cps®**

PART NO	VENDOR PART NO	SWAGES TUBE OD (IN)	FLARES TUBE OD (IN)	FLARE ANGLE (DEGREES)	COMPATIBLE TUBE MATERIALS
87-FS275	FS275	3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	45	Copper, aluminum, brass, thin wall steel



#### 70053 Flaring and Swaging Tool Set

**Mastercool®**  
"World Class Quality"

PART NO	VENDOR PART NO	SWAGES TUBE OD (IN)	FLARES TUBE OD (IN)	FLARE ANGLE (DEGREES)	COMPATIBLE TUBE MATERIALS
70053	70053	3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	45	Copper, aluminum, brass, thin wall steel

### SWAGING TOOLS – LEVER

Extended handle length provides added leverage for ease of operation. Includes swaging tool, expander heads, burr removal tool and carrying case.

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PART NO	SWAGES TUBE OD (IN)	COMPATIBLE TUBE MATERIALS
TLE6	3/8, 1/2, 5/8, 3/4, 7/8, 1-1/8	Copper, aluminum, brass, thin wall steel

## FLARING & SWAGING TOOLS



### SWAGING TOOLS – HYDRAULIC

#### Hydraulic Swaging Kit (Hydra-Swage)

Fabricates and expands tubing using hydraulic power. Includes swaging tool, expander heads, burr removal tool and carrying case.



PART NO	SWAGES TUBE OD (IN)	COMPATIBLE TUBE MATERIALS
71600-A	3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8	Copper, aluminum, brass, thin wall steel

#### Additional/Replacement Expander Heads for Hydra-Swage Kit

Additional larger expander heads available as accessories for the 71600 kit.



PART NO	DESCRIPTION
71600-03	Expander Head - (3/8 in. O.D. Tube)
71600-04	Expander Head - (1/2 in. O.D. Tube)
71600-05	Expander Head - (5/8 in. O.D. Tube)
71600-06	Expander Head - (3/4 in. O.D. Tube)
71600-07	Expander Head - (7/8 in. O.D. Tube)
71600-08	Expander Head - (1 in. O.D. Tube)
71600-09	Expander Head - (1-1/8 in. O.D. Tube)
71600-11	Expander Head - (1-3/8 in. O.D. Tube)
71600-13	Expander Head - (1-5/8 in. O.D. Tube)
71600-17	Expander Head - (2-1/8 in. O.D. Tube)

### SWAGING TOOLS – PUNCH TYPE



#### 87-70006 (70006) Multi-Step Swaging Tool – Punch Type



PART NO	SWAGES TUBE OD (IN)	COMPATIBLE TUBE MATERIALS
87-70006	3/16, 1/4, 5/16, 3/8, 1/2, 5/8	Copper, aluminum, brass, thin wall steel



#### 70040 Multi-Step Swaging Tool – Punch Type



PART NO	SWAGES TUBE OD (IN)	COMPATIBLE TUBE MATERIALS
70040	1/4, 5/16, 3/8, 1/2, 5/8	Copper, aluminum, brass, thin wall steel



#### 70048 Swaging Tool 5-Piece Set – Punch Type



PART NO	SWAGES TUBE OD (IN)	COMPATIBLE TUBE MATERIALS
70048	1/4, 5/16, 3/8, 1/2, 5/8	Copper, aluminum, brass, thin wall steel

## TUBE BENDERS & CUTTERS

### TUBING PLIERS



#### 87-TLPO (TLPO) Tube Pinch-Off Pliers



PART NO	VENDOR PART NO	DESCRIPTION
87-TLPO	TLPO	Tube Pinch-Off Pliers



#### 87-TLPP (TLPP) Tube Piercing Pliers – 1/4"



PART NO	VENDOR PART NO	DESCRIPTION
87-TLPP	TLPP	Tube Piercing Pliers - 1/4 in.

# TUBE BENDERS & CUTTERS

## TUBE CUTTERS



### 87-TC127 (TC127) Tube Cutter – Mini



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TC127	TC127	1/8 to 5/8	Copper, aluminum, brass, thin wall steel



### 87-TC174 (TC174) Tube Cutter – Medium



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TC174	TC174	3/8 to 1-1/8	Copper, aluminum, brass, thin wall steel



### 87-TC274 (TC274) Tube Cutter – Premium



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TC274	TC274	1/8 to 1-1/8	Copper, aluminum, brass, thin wall steel



### 87-TC312 (TC312) Tube Cutter – Heavy-Duty



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TC312	TC312	1/4 to 1-5/8	Copper, aluminum, brass, thin wall steel



### 87-TCSET (TCSET) Tube Cutter Set



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TCSET	TCSET	1/8 to 5/8 (87-TC127) 1/8 to 1-1/8 (87-TC274)	Copper, aluminum, brass, thin wall steel



### 70027 Tube Cutter – Mini



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70027	70027	1/8 to 5/8	Copper, aluminum, brass, thin wall steel



### 70029 Tube Cutter – Midi



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70029	70029	3/8 to 1-1/8	Copper, aluminum, brass, thin wall steel



### 70033 Tube Cutter – Heavy-Duty



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70033	70033	1/8 to 1-1/8	Copper, aluminum, brass, thin wall steel



### 70035 Tube Cutter – Heavy-Duty



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70035	70035	1/4 to 1-5/8	Copper, aluminum, brass, thin wall steel



### 70037 Tube Cutter – Sliding Ratchet Style



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70037	70037	1/4 to 2-5/8	Copper, aluminum, brass, thin wall steel



### 70038 Tube Cutter – Sliding Ratchet Style



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70038	70038	1/4 to 3-1/8	Copper, aluminum, brass, thin wall steel

# TUBE BENDERS & CUTTERS

## TUBE CUTTERS



### 70090 Tube Cutter Set



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70090	70090	1/8 to 5/8 (70027) 3/8 to 1-1/8 (70029) 1/8 to 1-1/8 (70033)	Copper, aluminum, brass, thin wall steel



### 70031 Tube Cutter – Ratchet Style



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70031	70031	5/16 to 1-1/8	Copper, aluminum, brass, thin wall steel



### 87-70024 (70024) Tube Cutter – Mini



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-70024	70024	1/4 to 1-1/8	Copper, aluminum, brass, thin wall steel



### 87-70001 (70001) Tube Cutter – Premium



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-70001	70001	1/8 to 1-1/4	Copper, aluminum, brass, thin wall steel

## REAMER TOOLS



### 87-TLRM (TLRM) Reamer Tool



Cleans and deburrs both I.D. and O.D. of tubing from 3/16 inch to 1-3/8 inch.

PART NO	VENDOR PART NO	DESCRIPTION
87-TLRM	TLRM	Reamer Tool - 3/16 in. to 1-3/8 in

## TUBE BENDERS – LEVER STYLE



### 87-TB04 (TB04) Tube Bender – Lever Style (1/4")



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TB04	TB04	1/4	Copper, aluminum, brass, thin wall steel



### 87-TB06 (TB06) Tube Bender – Lever Style (3/8")



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TB06	TB06	3/8	Copper, aluminum, brass, thin wall steel



### 87-TB08 (TB08) Tube Bender – Lever Style (1/2")



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TB08	TB08	1/2	Copper, aluminum, brass, thin wall steel



### 87-TB10 (TB10) Tube Bender – Lever Style (5/8")



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TB10	TB10	5/8	Copper, aluminum, brass, thin wall steel

# TUBE BENDERS & CUTTERS

## TUBE BENDERS – LEVER STYLE



**87-TB12 (TB12) Tube Bender – Lever Style (3/4")**

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PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TB12	TB12	3/4	Copper, aluminum, brass, thin wall steel



**87-TB368 (TB368) Tube Bender – Lever Style (Multi Size)**

**cps®**

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
87-TB368	TB368	1/4, 5/16, 3/8	Copper, aluminum, brass, thin wall steel



**70069 Tube Bender – Lever Style (Multi Size)**

**cps®**

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70069	70069	3/16, 1/4, 5/16, 3/8	Copper, aluminum, brass, thin wall steel

## TUBE BENDERS – RATCHET STYLE



**70070 Tube Bender Kit – Ratchet Style**

**Mastercool®**  
"World Class Quality"

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
70070	3/8, 1/2, 5/8, 3/4, 7/8	1/8 to 1-1/8	Copper, aluminum, brass, thin wall steel



**CH-404L Tube Bender Kit – Ratchet Style**

PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	DESCRIPTION
CH-404L	3/8, 1/2, 5/8, 3/4, 7/8	1/8 to 1-1/8	Copper, aluminum, brass, thin wall steel

## DUCT KNIVES & JAB SAWS



**87-TLDKRH (TLDKRH) Duct Knife**

**cps®**

Dual non-serrated and serrated edge blade; ergonomic cushioned handle.

PART NO	DESCRIPTION
87-TLDKRH	Duct Knife - 6 in. Blade (Dual Edge)



**87-40062 Duct Knife**

For scoring and stripping fiberglass.

PART NO	DESCRIPTION
87-40062	Duct Knife - 4 in. Blade



**875034 Duct Knife**

Dual edge blade – both non-serrated; includes sheath.

PART NO	DESCRIPTION
875034	Duct Knife w/Sheath - 6 in. Blade (Dual Edge)



**DK06 Duct Knife**

Dual edge blade – one non-serrated and one serrated edge; cushion-grip handle for comfort; includes puncture resistant nylon sheath with belt loop.

**KLEIN TOOLS** 150

PART NO	DESCRIPTION
DK06	Duct Knife - 5-1/2 in. Blade

# SAWS, KNIVES & BLADES

## DUCT KNIVES & JAB SAWS



### 87-725 (725) Jab Saw



- Cuts drywall, wallboard, plywood and plastic
- Triple ground teeth for a fast cut
- Blade cuts in both directions (push and pull)
- Hardened carbon steel blade for durability
- Hardened beveled blade point for scoring and plunge cuts
- Handle structure designed for strength and durability
- Comfort-cushion grip with thumb groove
- Flat-end grip for palming or punching through drywall

PART NO	VENDOR PART NO	DESCRIPTION
87-725	725	Jab Saw - 6 in.

## UTILITY KNIVES & BLADES



### 44133 Klein-Kurve Utility Knife



- Retractable blade locks in three positions
- Curved handle design with slip-resistant grip for comfort and ease of use
- No tools required for quick blade change
- Plastic holster with belt clip for convenient use
- Safety overlap-handle design for heavy-duty cutting
- Includes one heavy-duty blade and stores up to ten blades in handle

PART NO	VENDOR PART NO	DESCRIPTION
44133	44133	Utility Knife - Klein Kurve



### 87-44101 (44101) Utility Knife Blades (Pack of 5)



- Heavy-duty razor-edged blades
- Universal size fits Klein and most other makes of utility knives
- Blades are reversible for extra life
- Made in the U.S.A.

PART NO	VENDOR PART NO	DESCRIPTION
87-44101	44101	Utility Knife Blades (Pack of 5)

## HACKSAWS & BLADES



### 87-701S (701S) Hacksaw



- Blade has three teeth sizes
- Blade converts quickly from 90 to 45 degrees for standard or flush-cut applications
- Set screw allows for storage of extra blades and secures blade for "jab" sawing
- Pivot-lock adjusts blade tension for straighter cuts and longer blade life
- Aluminum finger grip handle and front end
- Thumb guard for two-hand sawing

PART NO	VENDOR PART NO	DESCRIPTION
87-701S	701S	Dual-Purpose Hacksaw - Golden Tri-Cut 3-in-1 Blade (12 in. Blade)

### Hacksaw Blades Bi-Metal



- Special high-speed steel teeth fused to regular carbon-steel body provide superior cutting and longer life
- Fits all 12 inch hacksaws
- Withstands greater saw tension for less blade flexing
- Blue finish

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
87-1224BI-P	1224BI-P	Hacksaw Blade - Bi-Metal - 12 in. - 24 TPI	10	Yes
87-1232BI-P	1232BI-P	Hacksaw Blade - Bi-Metal - 12 in. - 32 TPI	10	Yes

## PLASTIC PIPE CUTTERS – PVC, PEX



### 87-70078 (70078) Plastic Pipe Cutter – Ratchet Style



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	FOR USE ON THE FOLLOWING TUBE MATERIALS
87-70078	70078	Up to to 1-5/8	PVC, PEX, all other plastic pipe



### 80011 Plastic Pipe Cutter – Ratchet Style



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	FOR USE ON THE FOLLOWING TUBE MATERIALS
80011	80011	Up to 1-1/2	PVC, PEX, all other plastic pipe



### 50501 Large Capacity PVC Cutter – Ratchet Style



PART NO	VENDOR PART NO	CUTS TUBE OD (IN)	FOR USE ON THE FOLLOWING TUBE MATERIALS
50501	50501	Up to 2	PVC, PEX and all other plastic pipe

## TENSIONING TOOL



### FCTMT1 Tensioning Tool for Wire & Cable Ties



Provides one-hand operation for tightening all types of nylon ties, including thin designs. Cutter handle trims excess strap.

PART NO	VENDOR PART NO	DESCRIPTION
87-FCTMT1	FCTMT1	Tensioning Tool-Plastic Tie



### 86570 Tensioning Tool – Nylon Tie



- Tensions up to 65 lbs.
- Maximum tie width of 15/32 in.
- Designed for use with ties rated 120 to 250 lbs.
- Excess tie material is automatically cut off

PART NO	VENDOR PART NO	DESCRIPTION
86570	86570-1	Tensioning Tool - Nylon Tie

## DRAIN GUN



### Gallo CO2 Drain Gun

A lightweight portable tool designed to blow out condensate drain lines. Provides a 800 psi burst of clean oil-free air.

PART NO	DESCRIPTION
GG-1	Gallo CO2 Drain Gun
GGC-12	Swoosh CO2 Cartridges for Gallo Gun (Pack of 12)

## A/C DRAIN SUCKER



Clears clogged drain pans easily from the outside. Provides suction or pressure to clogs, removes water from overflowing pans. Kit includes:

- Drain sucker pump and hoses

- PurCool shock tabs to clean drain pan and PurCool pan strip for clog prevention
- All fittings for suction or pressure applications



PART NO	DESCRIPTION
87-CADS1	A/C Drain Sucker

## LEVELS



### Rare Earth Magnet Torpedo Level



- Powerful rare earth magnet holds firmly to iron and steel surfaces; up to five times stronger than strip magnets
- Strong die-cast aluminum frame feature convenient built-in hanging hole; machined edges for accurate readings
- Top-read window simplifies viewing in tight areas
- Grooved edge for pipe and conduit work
- Yellow vials framed with E-Z SEE™ glow-in-the-dark material for easier viewing in dimly lit areas

PART NO	VENDOR PART NO	DESCRIPTION
87-931-9RE	931-9RE	Level - Rare Earth Magnet Torpedo Level (9 in. long)

## TAPE MEASURES



### Tape Measure – Magnetic Tip



- Comfortable non-slip rubber jacket for easy gripping and impact protection
- Rare earth magnetic tip sticks to iron and steel surfaces for simple one person measurements
- Oversized bold black numbers on first 11" for easy reading

PART NO	VENDOR PART NO	DESCRIPTION
93125	93125	Tape Measure - 25 ft. x 1 in. wide (Magnetic Single Hook)



### Tape Measure – Double Sided



- Comfortable non-slip rubber jacket for easy gripping and impact protection
- Double-sided rule for easy reading of elevation, flat surface and pipe conduit measurements
- Oversized bold black numbers on first 11" for easy reading; 16 and 19" red stud markings

PART NO	VENDOR PART NO	DESCRIPTION
930-25	930-25	Tape Measure - 25 ft. x 1 in. wide (Double-Sided)



### Tape Measure – High-Visibility Case



- Oversized numbers for easy reading
- High-visibility high-impact orange case makes it easy to find in a tool box, pouch, and on the jobsite

PART NO	VENDOR PART NO	DESCRIPTION
87-928-16HV	928-16HV	Tape Measure - 16 ft. x 1 in. wide (High Visibility)



### Tape Measures – Chrome Case



- Lightweight, high strength chrome finished case
- Bright yellow blade has clear easy-to-read numerals

PART NO	VENDOR PART NO	DESCRIPTION
87-2212	2212	Tape Measure - 12 ft. x 1/2 in. wide (Chrome)
87-2212DX	2212DX	Tape Measure - 12 ft. x 1/2 in. wide (Chrome) Decimal-Fraction
87-2316	2316	Tape Measure - 16 ft. x 3/4 in. wide (Chrome)

## CAULKING GUNS



### 87-M0016 Caulking Gun

PART NO	DESCRIPTION
87-M0016	Caulking Gun - Cradle - 11 oz



### 87-M0017 Caulking Gun

PART NO	DESCRIPTION
87-M0017	Caulking Gun - Skeleton - 11 oz

## FLASHLIGHTS



### Flashlight with Extendable Magnetic Pickup



- Magnets on both grip acts as a third hand
- Magnet on light end for fastener retrieval
- Telescopes from 6-1/2 to 21 inches
- Flexible shaft for hard-to-reach places
- Three super-bright LEDs
- Uses four LR44 batteries (included)

PART NO	DESCRIPTION
EMF-1	Flashlight - Extendable Magnetic
EMF-2	Flashlight - Extendable Magnetic (Includes Inspection Mirror & Pocket Clip)



### LightStar 300 Flashlights



Produces a wide, uniform light pattern, with less of a "hot spot" in the middle. This light pattern provides a much larger usable working area and less reflected light when used at short distances.

- Aircraft grade anodized aluminum
- Dual mode; high (300 lumens), low (100 lumens)
- Approximate run times; 3 hours on high, 24 hours on low
- Recessed switch to avoid accidental activation
- Water resistant
- Uses two standard AA batteries
- Limited lifetime warranty

PART NO	DESCRIPTION
TLF-3002AA-BK	LightStar 300 - Titanium Grey - Lifetime Warranty
TLF-3002AA-OR	LightStar 300 - Hi-Vis Orange - Lifetime Warranty

## TOOL BAGS & CARRIERS



### Canvas Zipper Bag



- No. 10 canvas bag with strong zipper
- 12-1/2" long x 7" high
- Convenient storage for pliers, wrenches and other tools

PART NO	VENDOR PART NO	DESCRIPTION
87-5139	5139	Canvas Zipper Bag



### Canvas Tool Bag



- Heavy-duty No. 8 natural canvas
- Rivet-reinforced for durability
- Steel-frame mouth with hinge for rugged use
- Stitched and riveted leather handles for comfort and strength
- Two retaining straps with buckles provide secure closure
- Moisture-resistant, vinyl bottom, lower sides
- Protective, non-scratch studs on base
- 16" long x 6" wide x 14" deep

PART NO	VENDOR PART NO	DESCRIPTION
87-5102-16	5102-16	Tool Bag - Canvas



### Tool Tote with Shoulder Strap



- Water-resistant to avoid the buildup of mold and mildew
- Constructed of double-layered 600 x 300 denier polyester to resist wear and tear
- 2 inch wide polypropylene padded carrying handles with comfortable leather wrap
- Contoured, padded, slip-resistant shoulder strap for hands-free mobility
- Durable molded bottom with drain holes to prevent wear retention
- Five interior and seven exterior pockets
- 15-1/2" long x 7-1/2" wide x 10" deep

PART NO	VENDOR PART NO	DESCRIPTION
87-58888	58888	Tool Tote



### Padded Adjustable Shoulder Strap



- Shoulder strap for canvas tool bags
- Adjustable from both ends for a perfect fit

PART NO	VENDOR PART NO	DESCRIPTION
87-58889	58889	Shoulder Strap - Padded Adjustable

## TOOL BAGS & CARRIERS



### Mobile Phone Holders

- Fits most mobile phones
- Metal belt clip for simple mounting and removal from belts up to 2 inches wide
- Closable flap features genuine Velcro brand touch fastener
- Closed bottom for convenient storage



PART NO	VENDOR PART NO	DESCRIPTION
87-5715M	5715M	Mobile Phone Holder - Medium (5-1/2 in. x 2-5/8 in.)
87-5715	5715	Mobile Phone Holder - Large (6-1/2 in. x 3-5/8 in.)

## SPRAYERS



### PROTECH Spray Bottle – 32 oz.



Multi-purpose sprayer; ideal for small cleaning jobs.

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-S25	S25	PROTECH Spray Bottle - 32 oz.	12	Yes



### Nu-Calgon Spray Bottle – 24 oz.



Multi-purpose sprayer; ideal for small cleaning jobs.

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
4768-W3	4768-W3	Spray Bottle - 24 oz.	12	Yes



### PROTECH Pump Sprayer – 48 oz.



Adjustable nozzle; thumb lever for flow rate control.

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-S1002-48	S1002-48	PROTECH Pump Sprayer - 48 oz.	6	Yes



### Nu-Calgon Coil Gun Sprayer – 1/2 Gallon



A “hose-end” sprayer that features five different mix ratio settings designed for coil cleaners. Includes a foam wand as well as “quick disconnect” capability.

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
4774-0	4774-0	Coil Gun Sprayer - 1/2 gallon	1	—



### Nu-Calgon Pump Sprayer (50P) – 1/2 Gallon



Adjustable nozzle; thumb lever for flow rate control.

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
4770-0	4770-0	Pump Sprayer - 1/2 gallon (No. 50P)	1	—



### PROTECH Poly Sprayer – 1 Gallon



PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-S2608-1G	S2608-1G	PROTECH Poly Sprayer - 1 gallon	1	—

## SPRAYERS



### PROTECH Poly Sprayer – 2 Gallon



PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
85-S2609-2G	S2609-2G	PROTECH Poly Sprayer - 2 gallon	1	—



### Nu-Calgon Poly Sprayer (No. 220CP) – 2 Gallon



PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
4771-3	4771-3	Poly Sprayer - 2 gallon (No. 220CP)	—	—



### Nu-Calgon Poly Sprayer (No. 300P) – 3-1/2 Gallon



Includes brass hardware and extension tube.

PART NO	VENDOR PART NO	DESCRIPTION	CASE QTY	CASE REQ
4772-0	4772-0	Poly Sprayer - 3-1/2 gallon (No. 300P)	1	—



### Condenser Needle

This powerful tool connects to a standard garden hose and is designed to clean condenser coils for the inside and out.



PART NO	DESCRIPTION
CN-03	Condenser Needle

## COILJET PORTABLE COIL CLEANER



### CJ-95 CoilJet Portable Coil Cleaning System



Portable power for the inside and out. The CoilJet® from SpeedClean™ makes quick work of cleaning debris and grime from condenser and evaporator coils. Now deliver professional results in a convenient and rechargeable battery powered solution – no more garden hoses or pump sprays needed. Delivers a powerful spray of water and cleaning chemical from the included tanks to wash even the dirtiest coils, without damaging sensitive fins. And the small portable size lets you clean coils from the front or back of the coil – a proven method for increasing coil cleaning and system efficiency.

- Powerful 100 psi, 0.5 gpm spray cleans debris

and grime without damaging fins

- Portable and rechargeable; clean coils in hard to reach areas where access to power and water is limited
- Optional spray wand with 90° nozzle lets you clean from the inside out
- Forces dirt and debris back in the direction it entered
- Deep cycle, 12V, 7A rechargeable battery
- 3.375 gallon water, 1.75 quart chemical capacity
- Includes: CoilJet System, 2 standard spray tips, rechargeable battery, SpeedyFoam cleaner, and AC charger

PART NO	DESCRIPTION
CJ-95	CoilJet Portable Coil Cleaning System



### Foaming Nozzle Assembly

Creates ultra foaming action to coat coils.



PART NO	DESCRIPTION
CJ-9619	Foaming Nozzle Assembly

# COILJET PORTABLE COIL CLEANER



## Quick Disconnect Adapters



PART NO	DESCRIPTION
CJ-QDN-45	Quick Disconnect Adapter for CJ-95 - 45 degree
CJ-QDN-90	Quick Disconnect Adapter for CJ-95 90 degree



## Quick Disconnect Nozzles



PART NO	DESCRIPTION
CJ-QDN-0003R	Quick Disconnect Nozzle for CJ-95 - Pinpoint
CJ-QDN-1503Y	Quick Disconnect Nozzle for CJ-95 - 15 Degree



## Spray Wands



Optional spray wands allow cleaning from the inside of coils.

PART NO	DESCRIPTION
8945	Spray Wand - 36 in. long - 90 degree
8945-24	Spray Wand - 24 in. long - 90 degree
8945-48	Spray Wand - 48 in. long - 90 degree
8945-60	Spray Wand - 60 in. long - 90 degree



## Sectional Stainless Steel Spray Wand



PART NO	DESCRIPTION
CJ-VVSS	Sectional Stainless Wand - 36 in.
CJ-VVSS-EXT	Extension for CJ-VVSS - 16 in.



## Extension Lances



PART NO	DESCRIPTION
CJ-9657	Extension Lance Assembly - 36 in.
CJ-9658	Extension Lance Assembly - 48 in.
CJ-9659	Extension Lance Assembly - 60 in.



## Vehicle Adapter for Battery Charger



Easily recharges the CoilJet on the go.

PART NO	DESCRIPTION
8944	Vehicle Adapter for Battery Charger



## Battery Charger



PART NO	DESCRIPTION
CJ-9693	Battery Charger for CJ-95 CoilJet



## Battery Charger (w/Lugs to Charge Battery Outside of Unit)



PART NO	DESCRIPTION
8924	Battery Charger with Lugs (to charge battery outside of unit)



## Battery



PART NO	DESCRIPTION
CJ-9689	Battery for CJ-95 for CoilJet

## COILJET PORTABLE COIL CLEANER



### Charger Kit (Includes Battery & Charger)



PART NO	DESCRIPTION
CJ95-KIT-SB	Charger Kit for CJ-95 (w/charger & battery)

## ATTIC PRO UTILITY LIFT

- Adjustable from 14 in. to 24 in.
- 20 foot cable length
- Integrated locking hook
- Lifts up to 250 lbs.
- Sturdy steel construction
- Equipment straps included
- Carrying case included



PART NO	DESCRIPTION
ATP1	Attic Pro Utility Lift