

SOCKET WRENCH SETS

METRIC & SAE



1/4" & 3/8" DR. SOCKET SET, INCH/METRIC. 45-PC

European quality 45-pc. 1/4 and 3/8" Dr. socket set, 6-pt. Range: 8-19mm and 5/16-3/4", Chrome Plated Finish. Tough compact storage case with parts tray

PART#
40 566

CONTENTS

19 pc 1/4" dr. Sockets
1 pc 1/4" dr. Nut driver handle
1 pc 1/4" dr. screwdriver bit adapter
1 pc 1/4" M x 3/8" dr. F reducer
1 pc 1/4" Hex x 3/8" dr. power socket adapter
17 pc 3/8" dr. Sockets
1 pc 3/8" dr. 72-tooth Reversible Ratchet
1 pc 3/8" dr. spark plug socket
1 pc 3/8" dr. extension 6"
1 pc 3/8" dr. Universal Joint



1/4", 3/8" & 1/2" DR. SOCKET WRENCH SET, 135-pc

135-Pc. Complete assortment of professional-grade wrenches, ratchets, sockets and screwdriver bits. 6-Pt. SAE & METRIC.

PART #
40 500

CONTENTS

17 sockets 1/4" dr.
18 sockets 3/8" dr.
12 sockets 1/2" dr.
3 ratchet handles, 1/4", 3/8" & 1/2" dr.
3 extension bars, 1/4", 3/8" & 1/2"
2 adapters
8 combination wrenches
22 hex key wrenches,
10 nut drivers
1 magnetic bit driver & 36 screwdriver bits
Carrying case

SOCKET WRENCH SETS

SAE



1/4" DR. SOCKET WRENCH SET-SAE

Chrome vanadium steel 22-pc. socket set
1/4" drive, 6-pt., range: 3/16" - 1/2"

PART #
40 491

CONTENTS

16 sockets 1/4" dr.
1/4" dr. spinner handle 150mm
1/4" dr. ratchet 125mm
1/4" dr. universal joint
1/4" dr. Extensions 50 and 150mm
Storage case
Weight: 2 Lbs.



3/8" DR. SOCKET WRENCH SET-SAE

Chrome vanadium steel 21-pc. socket set
3/8" Dr., 6-pt., range: 3/8" - 7/8"

PART #
40 492

CONTENTS

17 sockets 3/8" dr.
3/8" dr. Ratchet 200mm
3/8" dr. Extensions 45 & 75mm
Storage case
Weight: 4.1 Lbs.



1/2" DR. SOCKET WRENCH SET-SAE

Chrome vanadium steel 17-pc. socket set
1/2" drive, 6-pt., range: 7/16" - 1-1/4"

PART #
40 493

CONTENTS

13 sockets 1/2" dr.
1/2" dr. Ratchet 250mm
1/2" dr. flex head handle 355mm
1/2" dr. Extension 125mm
Storage case
Weight: 7.6 Lbs.



3/4" DR. SOCKET WRENCH SET-SAE

Chrome vanadium steel 21-pc. socket set
3/4" dr., 6-pt., range: 7/8" - 2"

PART #
40 494

CONTENTS

16 pc. 3/4" dr. sockets
1 pc 3/4" dr. Ratchet 495mm
1 pc 3/4" dr. flex head handle 18"
2 pc 3/4" dr. Extension 100 & 200mm
Storage case
Weight: 28.8 lbs.

HEXAGON BIT SOCKETS



3/8" DR. HEXAGON BIT SOCKETS

<u>PART #</u>	<u>SIZE</u>
40 279	3mm
40 284	4mm
40 285	5mm
40 286	6mm
40 287	7mm
40 288	8mm
40 295	10mm



1/2" DR. STD. HEXAGON BIT SOCKETS

<u>PART #</u>	<u>SIZE</u>
40 264	4mm
40 265	5mm
40 266	6mm
40 267	7mm
40 268	8mm
40 269	9mm
40 270	10mm
40 271	12mm
40 272	14mm
40 273	17mm
40 274	19mm



1/2" DR. LONG HEXAGON BIT SOCKETS

<u>PART#</u>	<u>SIZE</u>
40 264L	4mm
40 265L	5mm
40 266L	6mm
40 267L	7mm
40 268L	8mm
40 270L	10mm
40 271L	12mm
40 272L	14mm
40 273L	17mm



3/4" DR. STD. HEXAGON BIT SOCKETS

<u>PART #</u>	<u>SIZE</u>
40 280	14mm
40 281	17mm
40 282	19mm
40 283	22mm

HEXAGON BIT SOCKETS



HEXAGON BIT SOCKET SETS

PART #
40 296

CONTENTS
3/8" Dr. 8-Pc **Ball-end**
3-10 mm on rail

PART #
43 010

CONTENTS
3/8" Dr. 7-Pc **Metric**
3-10 mm on rail

PART #
43 011

CONTENTS
3/8" Dr. 7-Pc **SAE** set
1/8"-3/8" on rail

PART #
43 012

CONTENTS
3/8" Dr. 7-Pc **LONG** set
3-10 mm in plastic case

3/8" DR. SOCKET WRENCH SET 60-PC

60-Pc. Flank drive socket set, 6-PT, hex bit sockets and deep sockets, 6-24 mm

PART#
40 290

CONTENT
28 pc. Flank sockets 6-24 mm
7 pc. Hex bit sockets 3-10
9 pc. Torx bit sockets T15-T55
9 pc. Slotted, Phillips, Pozi bits
2 pc. Spark plug sockets 16 & 21 mm
1 pc. 3/8" dr. ratchet
2 pc. Extension bars 75 & 250 mm
1 pc. Universal joint
1 pc. 3-way adapter
Storage case.

HEXAGON BIT SOCKETS



1/2 DR. HEXAGON SOCKET BIT SETS

PART #
40 738

CONTENTS
1/2" Dr. 8-pc. Set SAE
1/4" to 3/4" on Clip Rail



1/2 DR. HEXAGON SOCKET BIT SETS

PART #
40 289

CONTENTS
1/2" Dr. 10-pc. set
4-19mm in metal case



HEXAGON SOCKET BIT SETS

PART #
40 291

CONTENTS
1/2" Dr. 14-pc. set
4-19mm sockets,
1/2" Dr. Ratchet
1/2" dr. Universal joint,
125 mm Extension bar
1/2" dr. Sliding tee
Metal case



STAR SOCKET BIT SET

1/4", 3/8" & 1/2" dr., 35-pc. set

PART #
40 293

CONTENTS
25 star sockets T8 to T60
10 external sockets

IMPACT SOCKETS



1/2" DR. IMPACT SOCKETS

6-pt. Chrome Molybdenum steel with black phosphate finish.

<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>
40 504	8mm	40 513	16mm	40 521	24mm
40 506	9mm	40 514	17mm	40 522	25mm
40 507	10mm	40 515	18mm	40 523	26mm
40 508	11mm	40 516	19mm	40 524	27mm
40 509	12mm	40 517	20mm	40 525	28mm
40 510	13mm	40 518	21mm	40 526	29mm
40 511	14mm	40 519	22mm	40 527	30mm
40 512	15mm	40 520	23mm	40 529	32mm
				40 533	36mm



1/2" DR. DEEP IMPACT SOCKETS

6-pt. Chrome Molybdenum steel with black phosphate finish.

<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>
40 504D	8mm	40 513D	16mm	40 521D	24mm
40 506D	9mm	40 514D	17mm	40 522D	25mm
40 507D	10mm	40 515D	18mm	40 523D	26mm
40 508D	11mm	40 516D	19mm	40 524D	27mm
40 509D	12mm	40 517D	20mm	40 525D	28mm
40 510D	13mm	40 518D	21mm	40 526D	29mm
40 511D	14mm	40 519D	22mm	40 527D	30mm
40 512D	15mm	40 520D	23mm	40 529D	32mm
				40 533D	36mm



3/4" DR. IMPACT SOCKETS

6-pt. Chrome Molybdenum steel with black phosphate finish.

<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>
40 544	17mm	40 554	27mm	40 568	41mm
40 545	18mm	40 555	28mm	40 573	46mm
40 546	19mm	40 557	30mm	40 574	48mm
40 547	20mm	40 559	32mm	40 575	50mm
40 548	21mm	40 561	34mm	40 576	55mm
40 549	22mm	40 563	36mm	40 577	60mm
40 551	24mm	40 565	38mm	40 578	65mm
				40 579	70mm



3/4" DR. DEEP IMPACT SOCKETS

6-pt. Chrome Molybdenum steel with black phosphate finish.

<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>
40 546D	19mm	40 553D	26mm	40 558D	35mm
40 547D	20mm	40 554D	27mm	40 563D	36mm
40 548D	21mm	40 555D	28mm	40 567D	37mm
40 549D	22mm	40 557D	30mm	40 565D	38mm
40 550D	23mm	40 559D	32mm	40 568D	41mm
40 551D	24mm	40 556D	33mm	40 569D	46mm
40 552D	25mm	40 561D	34mm		



1" DR. IMPACT SOCKETS

6-pt. Chrome Molybdenum steel with black phosphate finish.

<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>
40 660	24mm	40 666	41mm
40 661	27mm	40 667	46mm
40 662	30mm	40 668	50mm
40 663	32mm	40 669	55mm
40 664	33mm	40 670	60mm
40 665	36mm	40 671	65mm
		40 734	70mm

IMPACT SOCKETS



1/2" DR. IMPACT SOCKET SETS

6-pt. Chrome Molybdenum steel with black phosphate finish. Molded plastic case.

<u>PART#</u>	<u>RANGE</u>	
40 570	11-24 mm	10-pc
40 571	11-32 mm	14-pc



1/2" DR. DEEP IMPACT SOCKET SETS

6-pt. Chrome Molybdenum steel with black phosphate finish. Molded plastic case.

<u>PART#</u>	<u>RANGE</u>	
40 572	10-24 mm	15-pc
40 580	11-32 mm	14-pc



3/4" DR. IMPACT SOCKET SET

6-pt. Chrome Molybdenum steel with black phosphate finish. Corrugated box

<u>PART#</u>	<u>RANGE</u>	
40 583	17-32 mm	15-pc



3/4" DR. DEEP IMPACT SOCKET SETS

6-pt. Chrome Molybdenum steel with black phosphate finish. Molded plastic case.

<u>PART#</u>	<u>RANGE</u>	
40 582	19-32 mm	11-pc
40 581	27-38 mm	14-pc

IMPACT ACCESSORIES



IMPACT ADAPTERS

Black phosphate finish.

<u>PART #</u>	<u>SIZE</u>
40 690	1/2"M x 3/4"F
40 691	3/4"M x 1/2"F
40 692	3/4"M x 1"F
40 693	1"M x 3/4"F



IMPACT EXTENSIONS

Black phosphate finish.

<u>PART #</u>	<u>SIZE</u>
40 679	1/2" dr. x 75mm
40 680	1/2" dr. x 125mm
40 681	1/2" dr. x 250mm
40 683	3/4" dr. x 125mm
40 735	3/4" dr. x 175mm
40 684	3/4" dr. x 250mm
40 685	1" dr. x 100mm
40 686	1" dr. x 175mm
40 687	1" dr. x 250mm



IMPACT UNIVERSAL JOINTS

Black phosphate finish.

<u>PART #</u>	<u>SIZE</u>
40 695	1/2" dr.
40 696	3/4" dr.
40 697	1" dr.

HEXAGON NUT DRIVERS



HEXAGON NUT DRIVERS

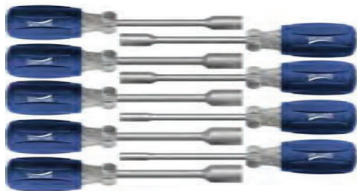
Heat-treated steel with plastic handle.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
41 130	4mm	61 23 51
41 161	4.5mm	
41 131	5mm	61 23 52
41 132	5.5mm	61 23 53
41 121	6mm	61 23 54
41 122	7mm	61 23 55
41 123	8mm	61 23 56
41 124	9mm	61 23 57
41 125	10mm	61 23 58
41 126	11mm	61 23 59
41 127	12mm	61 23 60
41 128	13mm	61 23 61
41 129	14mm	61 23 62
41 118	15mm	
41 119	17mm	61 23 63



HEXAGON NUT DRIVER SETS

<u>PART #</u>	<u>SIZE</u>
41 120	7-Pc set, METRIC 5-12 mm



<u>PART #</u>	<u>SIZE</u>
41 369	9-Pc set, SAE 3/16"-5/8" Cushion-grip handles



<u>PART #</u>	<u>SIZE</u>
41 365	12-Pc set, METRIC 4-14 mm Cushion-grip Handles

HEX SHANK NUT SETTERS



HEX SHANK NUT SETTERS

Magnetic hex head, Chrome-Vanadium steel,
1/4" Hex shank

<u>PART #</u>	<u>SIZE</u>	<u>PART#</u>	<u>SIZE</u>
41 303	5 mm	41 305	1/4"
41 286	6 mm	41 306	5/16"
41 287	7 mm	41 307	3/8"
41 288	8 mm	41 308	7/16"
41 304	10 mm	41 319	1/2"



NUT SETTER BIT SET

Universal 1/4" hex shank for quick-change chucks.
Hardened chrome vanadium steel. SAE/METRIC

<u>PART#</u>	<u>SIZE</u>
41 310	14-pc set 7 pc. 3/16" to 7/16" 7 pc. 5.0 to 12.0 mm

A



B



C



D



UNIVERSAL SWITCH KEY

Multi-purpose tool for use on locking systems.
Supplied with a double end screwdriver bit (slotted 7mm x
PZ2) and a socket adapter for 1/4" dr. sockets

<u>PART #</u>	<u>SIZE</u>	
41 293	A: 1/4" dr. adapter & bit	001103
41 323	B: Female and Male squares	001104
41 591	C: 6-19/64" w/chain & snap hook	001106
41 592	D: 8-17/64" fiberglass handle	001108

HEX KEY WRENCHES



HEX KEY WRENCHES

Allen Hex key wrenches, short arm, black phosphate finish.

METRIC

<u>PART #</u>	<u>SIZE</u>	<u>O.L.</u>	<u>PART #</u>	<u>SIZE</u>	<u>O.L.</u>
46 009	1.5mm	46 mm	46 201	11mm	128 mm
40 220	2mm	52 mm	46 202	12mm	137 mm
40 221	2.5mm	58 mm	46 003	14mm	154 mm
40 222	3mm	66 mm	46 004	17mm	177 mm
40 247	3.5mm	68 mm	46 203	19mm	199 mm
40 223	4mm	74 mm	46 005	22mm	220 mm
40 224	5mm	85 mm	46 006	24mm	246 mm
40 225	6mm	96 mm	46 007	27mm	276 mm
40 226	7mm	102 mm	46 002	30 mm	316 mm
40 227	8mm	108 mm	46 008	32mm	345 mm
40 228	9mm	116 mm	40 239	36mm	385 mm
40 229	10mm	122 mm			

FRACTIONAL

<u>PART #</u>	<u>SIZE</u>	<u>O.L.</u>	<u>PART #</u>	<u>SIZE</u>	<u>O.L.</u>
41 480	1/16"	46 mm	41 490	5/16"	95 mm
41 481	5/64"	48 mm	41 491	3/8"	108 mm
41 482	3/32"	50 mm	41 492	7/16"	120 mm
41 483	7/64"	54 mm	41 493	1/2"	133 mm
41 484	1/8"	57 mm	41 494	9/16"	146 mm
41 485	9/64"	60 mm	41 495	5/8"	158 mm
41 486	5/32"	63 mm	41 496	3/4"	184 mm
41 487	3/16"	70 mm	41 497	7/8"	210 mm
41 488	7/32"	76 mm	41 498	1"	235 mm
41 489	1/4"	82 mm			

HEX KEY WRENCHES

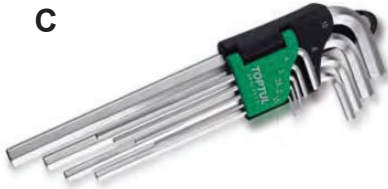
A



B



C



D



D



E



HEX KEY SETS—SHORT ARM

PART #
46 205

DESCRIPTION

A: 9-Pc set in holder
1.5, 2, 2.5, 3, 4, 5, 6, 8 & 10mm

46 214

B: 13-Pc set in holder
.05", 1/16", 5/64", 3/32", 7/64", 1/8",
9/64", 5/32", 3/16", 7/32", 1/4",
5/16" & 3/8", 13-pc.

HEX KEY SETS - LONG ARM

PART #
46 206

DESCRIPTION

C: 9-Pc set in holder
1.5, 2, 2.5, 3, 4, 5, 6, 8 & 10mm

46 218

D: 14-Pc. Set in pouch
2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10
12, 14, 17 & 19 mm

46 219

E: 26-Pc set in holders
1.27, 1.50, 2, 2.5, 3, 3.5, 4, 4.5, 5,
5.5, 6, 8, & 10mm **plus**
0.05", 1/16", 5/64", 3/32", 7/64", 1/8,
9/64", 5/32", 3/16", 7/32", 1/4", 5/16"
& 3/8"

46 223

E: 9-Pc. Set in holder
0.05", 1/16", 5/64", 3/32", 7/64", 1/8,
9/64", 5/32", 3/16", 7/32", 1/4", 5/16"
& 3/8"

HEX KEY WRENCHES

A



Metric

FOLDING HEX KEY SETS

Heat treated chrome vanadium steel with black-oxide finish. Housing conveniently keeps hex keys stored and prevents lost hex keys.

PART#
40 256

SIZE
A: 7-Pc. Set, 1.5 to-6mm
1.5, 2, 2.5, 3, 4, 5 & 6 mm

B



Metric

40 257

B: 7-Pc. Set, 2.5 to 10 mm
2.5, 3, 4, 5, 6, 8 & 10 mm

C



Inch

40 258

C: 9-Pc. Set, 5/64" to 1/4"
5/64", 3/32", 7/64", 1/8", 9/64"
5/32", 3/16", 7/32" & 1/4"

D



Inch

46 211

D: 5-Pc. Set, 3/16" to 3/8"
3/16", 7/32", 1/4", 5/16" & 3/8"

E



Torx

46 200

E: 8-Pc. Set, T6 to T25
T6, T7, T8, T9, T10, T15,
T20, T25

F



Torx

46 209

E: 8-Pc. Set, T9 to T40
T9, T10, T15, T20, T25, T27
T30, T40

HEX KEY WRENCHES**T-HANDLE HEX KEY WRENCH**

Satin-chrome plating with anti-slip soft grip handle

<u>PART #</u>	<u>SIZE</u>	<u>LENGTH</u>
40 530	2mm	77 mm
40 531	2.5mm	77 mm
40 532	3mm	77 mm
40 534	4mm	77mm
40 535	5mm	97 mm
40 536	6mm	97 mm
40 537	7mm	97 mm
40 538	8mm	116 mm
40 539	10mm	116 mm
40 540	12mm	116 mm

**T-HANDLE HEX KEY WRENCH SETS**

Satin-chrome plating with anti-slip soft grip handle

<u>PART #</u>	<u>DESCRIPTION</u>
40 259	9-pc L-type hex key set 2x100mm to 10.0x200mm In plastic case

HEXAGON KEY WRENCHES



T-HANDLE BALL POINT HEX KEYS

Satin-chrome plating with anti-slip soft grip handle

<u>PART #</u>	<u>SIZE</u>	<u>LENGTH</u>
40 860	2.0 mm	77 mm
40 861	2.5 mm	77 mm
40 862	3.0 mm	77 mm
40 863	4.0 mm	77 mm
40 864	5.0 mm	97 mm
40 865	6.0 mm	97 mm
40 866	7.0 mm	97 mm
40 867	8.0 mm	116 mm
40 868	10.0 mm	116 mm
40 869	12.0 mm	116 mm

T-HANDLE BALL POINT HEX KEY SET

<u>PART #</u>	<u>DESCRIPTION</u>
40 253	9-pc set, 2 to 10mm 2, 2.5, 3, 4, 5, 6, 7, & 10mm In plastic case

BALL POINT HEX KEY SETS

<u>PART #</u>	<u>DESCRIPTION</u>
46 208	9-pc long arm set, 1.5 to 10mm 1.5, 2, 2.5, 3, 4, 5, 6, 8 & 10mm
46 215	9-pc long arm set, 1/16" to 3/8" 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16" & 3/8"

BALL POINT HEX KEY SETS

Ball point set with both Metric and SAE

<u>PART #</u>	<u>DESCRIPTION</u>
46 220	26-Pc. Set 1.27, 1.5, 2, 2.5, 3, 3.5, 4, 5, 5.5, 6, 8 & 10mm 0.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" & 3/8"

HEXAGON KEY WRENCHES



STAR KEY WRENCH SET, TORX

Satin-chrome plating

PART#
46 216

DESCRIPTION

9-Pc. Set, T10 to T50
T10, T15, T20, T25, T27, T30,
T40, T45 & T50



STAR KEY WRENCH SET, TORX

Heat treated chrome vanadium steel with black-oxide finish

PART#
46 209

DESCRIPTION

8-pc. Set, T9 to T40
T9, T10, T15, T20, T25,
T27, T30 & T40

46 200

8-pc set; T6 to T27
T6, T7, T8, T9, T10, T15,
T20 & T25



T-HANDLE STAR KEY WRENCH SET, TORX

Satin-chrome plating in plastic case

PART#
40 260

DESCRIPTION

9-Pc. Set, T10 to T50
T10, T15, T20, T25, T27, T30,
T40, T45 & T50

HAMMERS



BALL PEIN HAMMERS

Tough drop forged head with fiberglass handle.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 739	4 oz / 113 grm	
40 756	8 oz / 200 grm	61 25 02
40 757	12 oz / 350 grm	61 25 03
40 758	16 oz / 500 grm	61 25 04
40 759	24 oz / 700 grm	61 25 06
40 760	32 oz / 1000 grm	61 25 07
40 761	40 oz / 1250 grm	61 25 08
40 762	48 oz / 1500 grm	61 25 09



CLAW HAMMERS

Drop forged and tempered steel head with fiberglass handle and rubber grip.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 765	16 oz.	61 26 22
40 764	20 oz.	



CROSS PEIN HAMMERS

Drop Forged and tempered steel head with heavy duty fiberglass handle.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 755	3 lbs/1.5 Kilo	61 25 62



DOUBLE FACE HAMMERS

Drop Forged and tempered steel head with heavy duty fiberglass handle.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 751	2 lbs/1.0 kilo	
40 752	3 lbs/1.5 Kilo	61 25 23
40 753	4 lbs/2.0 Kilo	61 25 24

HAMMERS



BRASS HAMMERS

Polished head, fiberglass handle.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
46 097	0.5 kilo	61 26 92
46 098	1.5 kilo	61 26 95
46 099	2.5 kilo	61 26 97



COPPER HAMMERS

Polished head with hard wood handle.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
46 024	.75 kilo	61 26 43
46 025	1.0 kilo	61 26 44
40 790	1.5 kilo	61 26 45
40 791	2.0 kilo	61 26 46
40 792	2.5 kilo	61 26 47



LEAD HAMMERS

Lead head with steel handle.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 780	1000 grm / 2 lb	61 26 84
40 781	1500 grm/ 3 lb	61 26 85
40 782	2000 grm/ 4 lb	61 26 86
40 783	3000 grm/ 5 lb	61 26 87



TESTING HAMMERS

Polished head with steel handle

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 746	150 grm/5 oz	61 26 01

HAMMERS

DEAD BLOWHAMMERS

Tough, durable polypropylene casting.
Non-marring, non-sparking.



<u>PART #</u>	<u>SIZE</u>	<u>Head dia.</u>
40 766	1 lb	1-3/4"
40 767	2 lbs	2"
40 768	3 lbs	2-1/2"
40 769	4 lbs	3-1/2"

RUBBER HAMMERS

Soft but tough, non-flaking neoprene head with
Fiberglass handle.



<u>PART #</u>	<u>SIZE</u>	<u>LENGTH</u>
40 793	16 oz.	14"
40 794	32 oz.	14"
40 011	16 oz.	Non-marking solid white rubber head.

SOFT FACE HAMMERS

Furnished with replaceable round tips of tough
plastic, and hard wood handle.



<u>PART #</u>	<u>SIZE</u>	<u>NO.</u>	<u>ISSA #</u>
40 784	35mm	1	61 27 22

SPARE PLASTIC TIPS

For soft face hammers.



<u>PART #</u>	<u>SIZE</u>	<u>NO.</u>	<u>ISSA #</u>
40 787	35mm	1	61 27 32

HAMMERS



CHIPPING HAMMERS

Forged steel head with hard wood handle.

<u>PART #</u>	<u>SIZE</u>
40 754	500 grm Wood handle



CHIPPING HAMMERS

Forged steel head with steel handle

<u>PART #</u>	<u>SIZE</u>
40 731	8 oz. Spiral steel handle



40 730	24 oz. Solid steel handle, Rubber grip
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SLEDGE HAMMERS

Steel octagonal sledge hammer with 36" hickory handle.

<u>PART #</u>	<u>HEAD WEIGHT</u>	<u>HEAD LENGTH</u>
40 747	6 lbs.	6"
40 748	8 lbs.	6.5"
40 749	10 lbs.	6.8"
40 750	12 lbs.	7.7"
40 763	16 lbs.	8.5"



40 734	36" spare handle
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HAMMER HANDLES

Tough hard wood handle.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 770	12"	61 27 75
40 771	14"	61 27 76
40 772	16"	61 27 77



SCRAPERS & PRY BARS



DOUBLE END ANGLE SCRAPERS

Forged steel.

<u>PART #</u>	<u>DESCRIPTION</u>
40 940	15" long
41 940	12" long

ISSA # 61 32 41



HEXAGONAL PRY BARS

Forged steel body with diamond-shaped tips and chisel

<u>PART #</u>	<u>LENGTH</u>	<u>DIA.</u>
40 870	39"/1000mm	7/8"
40 871	49"/1250mm	7/8"
40 874	59"/1500mm	1"
40 875	69"/1750mm	1"



GOOSENECK CROW BARS

Forged steel body with claw and chisel

<u>PART #</u>	<u>LENGTH</u>	<u>DIA.</u>
40 876	18"/450mm	5/8"
40 877	24"/600mm	3/4"
40 878	30"/750mm	3/4"
40 879	36"/900mm	3/4"

STEEL PUNCH SETS



LETTER AND NUMBER STAMP SETS

Hardened Chrome Vanadium Steel punches.
Includes A-Z and 0-9 characters, 36-Pc set
Wood index box.

<u>PART#</u>	<u>DESCRIPTION</u>
40 832	5/32" Height, width: 1/4"
40 833	5/16" Height, width: 3/8"

CHISELS

COLD CHISELS

Selected alloy steel, octagon shape body.



<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 814	6 x 125mm	61 29 01
40 821	8 x 125mm	
40 824	10 x 125mm	
40 815	13 x 150mm	61 29 03
40 816	16 x 150mm	
40 817	19 x 150mm	
40 813	19 x 200mm	61 29 05
40 819	22 x 200mm	
40 825	25 x 200mm	61 29 06
40 812	25 x 250mm	61 29 07
40 820	19 x 300mm	
40 823	25 x 300mm	



COLD CHISEL SET 5-PC

5 Piece Flat Chisel Set in a Heavy Duty Canvas Pouch

<u>PART #</u>	<u>SIZE</u>
40 810	10X140, 12X150, 15X160 19X180 & 22X220 mm

PUNCHES & PUNCH SETS

PH: 954-641-7840 FAX: 954-641-7850



PIN PUNCHES

<u>PART #</u>	<u>SIZE</u>	<u>LENGTH</u>
40 840	2mm	120 mm
40 841	3mm	130 mm
40 842	4mm	150 mm
40 843	5mm	160 mm
40 844	6mm	180 mm
40 846	8mm	200 mm
40 848	10mm	220 mm



PIN PUNCH SET

Chrome Vanadium steel, polished finish

<u>PART #</u>	<u>DESCRIPTION</u>
40 890	6-pc. set in plastic box: 2-3-4-5-6-7 mm

ISSA # 61 30 80



CENTER PUNCHES

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 961	1.5 x 75mm	
40 962	2.0 x 100mm	
40 963	2.5 x 100mm	
40 964	3.0 x 100mm	61 30 60
40 966	4.0 x 100mm	
40 967	5.0 x 125mm	61 30 61
40 968	6.0 x 150mm	61 30 62
40 502	8.0 x 150mm	



CENTER PUNCH SETS

<u>PART #</u>	<u>SIZE</u>
40 835	5-pc. set in plastic pouch 1.5-2.0-2.5-3.5 & 4.0 mm
40 837	5-pc set in plastic pouch 2.0-3.0-4.0-6.0-10.0 mm
40 836	8-pc set in wooden box 1.5-2.0-2.5-3.0-3.5-4.0 5.0 & 5.5 mm



PUNCH AND CHISEL SET

7-pc set in pouch, hardened and tempered steel.

PART #
40 880

DESCRIPTION
1 Center punches
1 Pin punches
2 Taper punches
3 Cold chisel



PUNCH AND CHISEL SET

16—pc set in pouch, hardened and tempered steel.

PART #
40 892

DESCRIPTION
2 Center punches
5 Pin punches
5 Taper punches
3 Cold chisel
1 chisel punch gauge



PUNCH AND CHISEL SET

29-pc set in pouch, hardened & tempered steel

PART#
40 884

DESCRIPTION
7 pin punches
4 center punches
6 starter punches
7 flat chisels
2 cap chisels
1 half-round nose chisel
2 diamond point chisels



CAPE CHISELS

Selected alloy steel, lacquered body.

PART #
40 826
40 827

SIZE
5 x 125mm
6 x 150mm

ISSA #
61 29 12
61 29 13

PLIERS



COMBINATION PLIERS

Heavy duty linemans plier with reamer & side cutter, Chrome Molybdenum Steel with black and green Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 971	150mm	61 16 57
40 972	175mm	61 16 58
40 973	200mm	61 16 59



COMBINATION SLIP JOINT PLIERS

Heavy duty plier with reamer, Chrome Molybdenum Steel with black and green ergonomic comfort grip handle.

<u>PART #</u>	<u>SIZE</u>
40 887	200mm



DIAGONAL CUTTING PLIERS

Heavy duty side cutting plier, Chrome Molybdenum Steel with black and green Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 975	150mm	61 17 12



LONG NEEDLE NOSE PLIERS

Heavy duty plier with side cutter, Chrome Molybdenum Steel with black and green Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 984	150mm	61 16 95
40 985	200mm	61 16 96



BENT NOSE PLIERS

Heavy duty plier with cutter, Chrome Molybdenum Steel with black and green Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
45 200	150mm	61 16 91
45 201	200mm	



FLAT NOSE PLIERS

Heavy duty plier, Chrome Molybdenum Steel with black and green Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 978	150mm	61 17 06

PLIERS



ROUND NOSE PLIERS

Heavy duty plier with tapered round jaws. Chrome Molybdenum Steel with black and green Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
41 000	150mm	61 16 82



END CUTTING PLIERS

Heavy duty cutting plier, Chrome Molybdenum Steel with black and green Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 977	220mm	61 17 53



WATER PUMP PLIERS

Heavy Duty plier with five adjustments, Chrome Molybdenum Steel with Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
41 362	125mm	
41 004	180mm	
41 005	250mm	61 16 30
41 006	300mm	61 16 31
41 010	400mm	



WIRE STRIPPING PLIERS

Electric cable stripper. Chrome Molybdenum Steel with black and green Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
41 007	160mm	61 17 36



41 020	180mm	TEKTON
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WIRE STRIPPING PLIERS, AUTOMATIC

Electric cable stripper. Adjustable stripping length guide provides consistency. 10-22 AWG

<u>PART #</u>	<u>SIZE</u>
41 018	175mm

PLIERS



CABLE CUTTER PLIERS

Heavy duty cutting plier, Chrome Molybdenum Steel with black and green Ergonomic comfort-grip handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
41 011	250mm	61 19 36



RATCHETING CABLE CUTTERS

Heavy duty cable cutting pliers, Chrome Molybdenum Steel with black or red ergonomic comfort-grip handles. For cutting copper and aluminum cable up to 500mm².

<u>PART #</u>	<u>SIZE</u>
41 012	A: 280mm



41 014	B: 400 mm
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ELECTRONIC TOOL SET

11-pc combination electronic screwdriver and pliers handy tool kit in nylon case.

<u>PART #</u>	<u>CONTENTS</u>
41 094	3 flat tip, 3 phillips tip 1 round nose electronic pliers 1 flat nose electronic pliers 1 long nose electronic pliers 1 bent nose electronic pliers 1 diagonal cutting electronic pliers



ELECTRONICS PLIERS

High precision-machined jaws. Spring-assisted opening design. Ergonomic comfort-grip handle

<u>PART #</u>	<u>SIZE</u>
41 295	Combination 125mm
41 296	Diagonal 100mm
41 297	Long Nose 125mm
41 298	Bent nose 125mm
41 299	End Cutter 100mm
41 299M	Mini Side Cut 115mm

PLIERS - 1000 VOLT



WATER PUMP PLIERS-1000 VOLT

Top quality high voltage super insulated plier. DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt

PART #
41 509

SIZE
250mm



CABLE CUTTER PLIERS-1000 VOLT

Top quality high voltage super insulated plier. DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt

PART#
41 511

SIZE
250mm



WIRE STRIPPER PLIERS-1000 VOLT

Top quality high voltage super insulated plier. DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt

PART #
41 512

SIZE
150mm



WIRE CRIMPING PLIERS-1000 VOLT

Top quality high voltage super insulated plier. DIN5745, Chrome-Vanadium Oxidized Steel, Insulated cushion grip, approved for Voltages of up to 1000 Volt

PART #
41 513

SIZE
180mm

PLIERS - 1000



COMBINATION PLIERS

Top quality high voltage super insulated plier. DIN5746, Chrome-Vanadium Steel, black oxidized with insulated grip, approved for Voltages of up to 1000 Volt

<u>PART#</u>	<u>SIZE</u>
41 500	180 mm
41 501	200mm



SIDE CUTTING PLIERS

Top quality high voltage super insulated plier. Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt

<u>PART#</u>	<u>SIZE</u>
41 507	150 mm
41 508	180 mm



LONG NOSE PLIERS

Top quality high voltage super insulated plier. DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt

<u>PART#</u>	<u>SIZE</u>
41 502	150 mm
41 503	200 mm



LONG NOSE PLIERS, BENT

Top quality high voltage super insulated plier. DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt

<u>PART#</u>	<u>SIZE</u>
41 510	150 mm
41 504	200 mm

“BAHCO” PLIERS



BAHCO ERGO SLIP JOINT PLIERS

Parallel hardened jaws with both flat and pipe grip jaws. Speedy setting by pressing a button on the upper handle. Ergonomically designed handles for maximum gripping comfort.

<u>PART#</u>	<u>BAHCO #</u>	<u>SIZE</u>
46 057	8231	200mm
46 055	8224	250mm
46 056	8225	300mm



BAHCO ERGO COMBINATION PLIER

High quality plier with rounder shape jaws and a return spring with on/off function. Ergonomically designed handles for maximum gripping comfort.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>	<u>ISSA #</u>
46 059	2628G-160	160mm	61 62 10
46 060	2628G-180	180mm	61 62 11



BAHCO ERGO LONG NOSE PLIERS

High quality plier with side cutter. Black oxidized finish and ergonomically designed handles for maximum gripping comfort.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>	<u>ISSA #</u>
46 063	2430G-140	140mm	
46 062	2430G-160	160mm	61 62 24



BAHCO ERGO FLAT NOSE PLIERS

High quality saw-toothed shaped pliers, serrated jaws and ergonomic handles.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>
46 067	2421G-160	140mm
46 068	2421G-180	160mm



BAHCO ERGO SIDE CUTTERS

High quality diagonal plier with return spring. Black oxidized finish and ergonomically designed handles for maximum gripping comfort.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>	<u>ISSA #</u>
46 064	2101G-140	140mm	61 62 31
46 065	2101G-160	160mm	
46 066	2101G-180	180 mm	

INTERNAL & EXTERNAL RETAINING RING PLIERS

For inserting or removing internal and external retaining rings.
Chrome Vanadium steel with comfort non-slip grip handle.

**INTERNAL - STRAIGHT**

<u>PART #</u>	<u>CIRCLIP</u>	<u>LENGTH</u>	<u>ISSA #</u>
40 989	10-25mm	125mm	61 18 22
40 990	12-65mm	175mm	61 18 23
46 026	32-80mm	230mm	61 18 25
40 986	85-165mm	310mm	61 18 26

**INTERNAL - BENT**

<u>PART #</u>	<u>CIRCLIP</u>	<u>LENGTH</u>	<u>ISSA #</u>
40 992	10-25mm	125mm	61 18 32
40 993	12-65mm	175mm	61 18 33
45 050	32-80mm	230mm	61 18 35
40 981	85-165mm	310mm	61 18 36

**EXTERNAL - STRAIGHT**

<u>PART #</u>	<u>CIRCLIP</u>	<u>LENGTH</u>	<u>ISSA #</u>
40 995	10-25mm	125mm	61 18 02
40 996	10-40mm	175mm	61 18 03
45 051	32-80mm	230mm	61 18 05
40 976	85-165mm	310mm	61 18 06

**EXTERNAL - BENT**

<u>PART #</u>	<u>CIRCLIP</u>	<u>LENGTH</u>	<u>ISSA #</u>
40 998	10-25mm	125mm	61 18 12
40 999	10-40mm	175mm	61 18 13
45 052	32-80mm	220mm	61 18 15
40 980	85-165mm	310mm	61 18 16

PLIERS



RETAINING RING PLIER SET

For use with both internal and external stop rings.

PART #
40 872

SIZE
4-Pc Set, 175mm long
1 ext. straight
1 ext. bent
1 int. straight
1 int. bent



RETAINING RING PLIER SET

8-in-1 Universal retaining ring set. Comfortable cushioned non-slip grips.

PART #
40 960

SIZE
7" long
Range internal: 3/4" - 1-3/4"
Range external: 1" - 2-1/2"



RETAINING RING PLIER SET

12-Pc fixed tip combination internal/external retaining ring set. Comfort grip and plastic case.

PART #
41 049

SIZE
12-pc set, 45-degree and 90-degree angles

PLIERS



WISE-GRIP LOCKING PLIERS

A universal tool which serves as an adjustable wrench, pipe wrench, vise, clamp and plier. Has a double lever action that locks jaws to the work.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
41 505	125mm	61 16 41
41 002	175mm	61 16 42
41 003	250mm	61 16 44



LONG NOSE VISE-GRIP PLIERS

A long nose universal tool which serves as an adjustable wrench, pipe wrench, vise, clamp locking wrench and plier. Has a double lever action that locks jaws to the work.

<u>PART #</u>	<u>SIZE</u>
41 025	150mm
41 026	225mm



WELDERS' LOCK-GRIP PLIERS

Extra wide U-shaped jaws lock on any round material. Ideal for welding, drilling and plumbing.

<u>PART #</u>	<u>SIZE</u>
46 511	9"/230mm long. 3" wide jaws.



SHEET METAL CLAMP PLIERS

Drop forged carbon steel jaws, One-touch quick-release, flat jaws hold and crimp sheet metal. Corrosion-resistant chrome finish.

<u>PART #</u>	<u>SIZE</u>
41 575	8"/200mm long. 3" wide jaws.

PLIERS



LOCKING "C" CLAMPS

Forged carbon steel jaws, One-touch quick release, corrosion-resistant chrome finish.

<u>PART #</u>	<u>SIZE</u>	<u>JAW CAP.</u>
41 514	6"/150mm	1-1/2"
41 515	11"/280mm	3"
41 516	18"/450mm	7"



LOCKING "C" CLAMPS WITH SWIVEL JAW PADS

Self-leveling swivel jaw pads.

Forged carbon steel jaws, One-touch quick release, corrosion-resistant chrome finish.

<u>PART #</u>	<u>SIZE</u>	<u>JAW CAP.</u>
41 517	6"/150mm	1-3/4"
41 518	11"/280mm	2-1/2"
41 519	18"/450mm	7"



LOCKING CHAIN CLAMP

Adjustable locking chain clamp, nickel plated finish, Chrome Molybdenum handle

<u>PART #</u>	<u>SIZE</u>
46 512	225mm long. 18" chain.



SAFETY WIRE TWIST PLIERS

This tool cuts and twists wire, especially designed for use in engines, hydraulic pumps, generators and other applications where screws must be secured with twisted wire due to high vibration.

<u>PART #</u>	<u>SIZE</u>
41 576	10-1/2"/270mm
41 577	12"/300mm

PLIERS



CRIMPING & CUTTING PLIERS

Crimping and cutting tool for insulated and non-insulated connectors. Hardened steel and plastic-dipped comfort handles.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA</u>
40 970	240mm	61 17 30



CRIMPING PLIERS - MULTI-PURPOSE

Professional crimping tool and wire stripping. For insulated and Non-insulated terminals. 3 crimping wire sizes.

<u>PART#</u>	<u>SIZE</u>
41 055	230 mm



CRIMPING TOOL KIT 6-PC

Quick interchangeable ratchet crimping tool kit. Crimping tool with ergonomic comfort-grip handles. Solid blow case with snap lock.

<u>PART #</u>	<u>DESCRIPTION</u>
40 974	5 interchangeable jaws For insulated, Non-insulated, open-barrel and insulated cord-end terminal ends



CRIMPING TOOLS - RATCHETING

Professional crimping tools with fiberglass reinforced comfort-grip handles. 22-10 AWG crimping size.

<u>PART #</u>	<u>DESCRIPTION</u>
40 944	Tap connector Crimping tool with adjustable pressure settings



	Terminal crimping tools
40 950	Insulated terminals 22 ~14 AWG
40 951	Open barrel terminals 14~16, 18~22 AWG
40 952	Cord end terminals 22~12 AWG

PLIERS



HAND RIVET TOOL

High leverage molybdenum handles, die-cast aluminum alloy frame, extended riveter nose design, Full cushion grips.

PART #
40 987

SIZE
4 inter-changeable nose pieces;
2.4, 3.2, 4.0 & 4.8 mm



HAND RIVET TOOL KIT

High leverage molybdenum handles, die-cast aluminum alloy frame, extended riveter nose design, Full cushion grips.

PART #
40 894

SIZE
Hand riveter
90 aluminum rivets
60 stainless steel rivets



HAND RIVET TOOL, SWIVEL HEAD

High leverage molybdenum handles, rugged all steel construction aluminum alloy head, extended riveter nose design, 360° swivel head Full cushion grips.

PART #
40 893

SIZE
4 inter-changeable nose pieces;
2.4, 3.2, 4.0 & 4.8 mm



HAND RIVET TOOL, LONG HANDLE

Aluminum body, extra long handle, 4 interchangeable nose pieces, capacity 3.2 to 6.4 mm.

PART #
40 982

SIZE
4 inter-changeable nose pieces;
3.2, 4.0, 4.8 & 6.4 mm



HAND RIVET TOOL, SCISSOR ACTION

Rugged all steel construction, single pull action,, extended length; 310 to 835 mm, 4 interchangeable nose pieces.

PART #
40 959

SIZE
4 inter-changeable nose pieces;
2.4, 3.2, 4.0 & 4.8 mm

PLIERS



HAND RIVET NUT TOOL

A multifunction plier, aluminum body, drop forged handle.

<u>PART#</u>	<u>SIZE/CAPACITY</u>
40 881	265 mm long 3, 4, 5 & 6 mm



Spare mandrel & nose piece

<u>PART#</u>	<u>SIZE</u>
41 406	4 mm
41 417	5 mm
41 418	6 mm
41 419	8 mm



HAND RIVET NUT TOOL, LONG HANDLE

A rugged Heavy Duty long-handle rivet tool with high tension spring.

<u>PART#</u>	<u>SIZE</u>
40 891	450 mm O.L.



Spare mandrel & nose piece

41 475	5 mm
41 476	6 mm
41 477	8 mm
41 478	10 mm



HAND RIVET NUT TOOL KIT

A multifunction plier, aluminum body, drop forged handle.

<u>PART#</u>	<u>SIZE/CAPACITY</u>
40 885	2.4, 3.2, 4.0 & 4.8 mm



HAND RIVET NUT TOOL KIT

A multifunction tool to set rivet nuts.
Comes with 5, 6, 8, 10 & 12 mm mandrels

<u>PART#</u>	<u>SIZE</u>
40 886	13" O.L.

PROFESSIONAL ESD SAFE TOOLS

Electrostatic Discharge (ESD)



PRECISION CUTTERS ESD SAFE

Two Component handle with non-slip soft grip surface.
ESD standard IEC 61340-5-1

<u>PART#</u>	<u>HEAD</u>	<u>CUT</u>	<u>LENGTH</u>
40 476	Tapered	Semi-Flush	115mm
40 477	Tapered	Flush	115mm
40 478	Wide Taper	Bevel	115mm
40 479	Slim Oval	Full Flush	115mm
40 480	Wide Oval	Bevel	110mm



PRECISION OBLIQUE CUTTERS ESD SAFE

Two Component handle with non-slip soft grip surface.
ESD standard IEC 61340-5-1

<u>PART#</u>	<u>HEAD</u>	<u>CUT</u>	<u>LENGTH</u>
40 481	Angled	Flush	115mm
40 482	Front	Flush	130mm



PRECISION END CUTTERS ESD SAFE

Two Component handle with non-slip soft grip surface.
ESD standard IEC 61340-5-1

<u>PART#</u>	<u>HEAD</u>	<u>CUT</u>	<u>LENGTH</u>
40 483	Slim End	Semi-Flush	130mm
40 484	Wide End	Flush	115mm

PROFESSIONAL ESD SAFE TOOLS

Electrostatic Discharge (ESD)



NEEDLE NOSE PLIERS ESD SAFE

Two Component handle with non-slip soft grip surface. ESD standard IEC 61340-5-1

<u>PART#</u>	<u>HEAD</u>	<u>LENGTH</u>
40 355	Short Snipe Nose	120mm
40 356	Bent Snipe Nose	120mm
40 357	Long Needle Nose	145mm
40 358	Flat Nose	120mm



PLIER SET IN CUSTOM CASE 4-PC

Two Component handle with non-slip soft grip surface.

<u>PART#</u>	<u>CONTENT</u>
40 359	115mm Oval Side Cutter 120mm Flat Nose Plier 145mm Long Nose Plier 110mm Oblique Front Cutter



PLIER SET IN CUSTOM CASE 11-PC

Two Component handle with non-slip soft grip surface.

<u>PART#</u>	<u>CONTENT</u>
40 363	115mm Oval Side Cutter 120mm Flat Nose Plier 145mm Long Nose Plier 110mm Oblique Front Cutter 2 Tweezers 5-PC Precision Handle and Blades

SCREWDRIVERS



SLOTTED SCREWDRIVERS

Heavy duty tungsten alloy steel blades with ergonomic rubber handles.

<u>PART</u>	<u>TIP</u>	<u>BL. LENGTH</u>	<u>ISSA #</u>
41 029	3.0mm	75mm	61 22 61
41 030	3.5mm	100mm	61 22 62
41 031	4.0mm	100mm	
41 035	5.0mm	100mm	
41 034	5.5mm	100mm	
41 048	5.5mm	150mm	61 22 63
41 032	6.5mm	150mm	
41 028	6.5mm	400mm (extra long)	
41 033	8.0mm	175mm	61 22 65
41 036	10.0mm	200mm	61 22 66
41 037	10.0mm	250mm	61 22 67
41 038	12.0mm	250mm	



PHILLIPS SCREWDRIVERS

Heavy duty tungsten alloy steel blades with ergonomic rubber handles.

<u>PART #</u>	<u>TIP</u>	<u>BL. LENGTH</u>	<u>ISSA #</u>
41 040	PH 0	60mm	61 22 72
41 041	PH 1	80mm	61 22 73
41 045	PH 1	100mm	
41 039	PH 1	400mm (extra long)	
41 042	PH 2	100mm	61 22 74
41 046	PH 2	150mm	
41 047	PH 2	400mm (extra long)	
41 043	PH 3	150mm	61 22 75
41 044	PH 4	200mm	61 22 76



STUBBY SLOTTED SCREWDRIVER

For work in close quarters. Tungsten alloy steel blade and ergonomic rubber handles.

<u>PART #</u>	<u>TIP</u>	<u>BL. LENGTH</u>	<u>ISSA #</u>
41 050	4.0mm	25mm	
41 479	5.5mm	25mm	
41 051	6.5mm	25mm	61 23 24



STUBBY PHILLIPS SCREWDRIVER

For work in close quarters. Tungsten alloy steel blade and ergonomic rubber handles.

<u>PART #</u>	<u>TIP</u>	<u>BL. LENGTH</u>	<u>ISSA #</u>
41 053	PH 1	25mm	
41 054	PH 2	25mm	61 23 26

SCREWDRIVERS



SLOTTED SCREWDRIVER-SQUARE SHANK

Hardened tungsten alloy steel blade through clear plastic handle with hammering cap.

<u>PART #</u>	<u>TIP</u>	<u>BL. LENGTH</u>	<u>ISSA #</u>
41 174	5.5mm	75mm	61 22 90
41 175	6.0mm	100mm	61 22 91
41 176	8.0mm	150mm	61 22 92
41 064	10.0mm	200mm	
41 251	10.0mm	300mm	



PHILLIPS SCREWDRIVER-SQUARE SHANK

Hardened tungsten alloy steel blade through clear plastic handle with hammering cap.

<u>PART #</u>	<u>TIP</u>	<u>BL. LENGTH</u>	<u>ISSA #</u>
41 177	PH 1	75mm	61 22 95
41 178	PH 2	100mm	61 22 96
41 179	PH 3	150mm	61 22 97
41 184	PH 4	200mm	



TAMPER-PROOF TORX SCREWDRIVER

High alloy steel blades with ergonomic anti-slip handles.

<u>PART</u>	<u>TIP</u>	<u>BL. LENGTH</u>
41 381	T6	50mm
41 382	T7	50mm
41 383	T8	60mm
41 384	T9	60mm
41 385	T10	80mm
41 386	T15	80mm
41 387	T20	100mm
41 388	T25	100mm
41 389	T27	115mm
41 390	T30	115mm
41 391	T40	130mm
41 392	T45	130mm
41 393	T50	130mm



TAMPER-PROOF TORX SCREWDRIVER SET

High alloy steel blades with ergonomic anti-slip handles.

<u>PART #</u>	<u>DESCRIPTION</u>
41 394	6-pc set; T10, T15, T20, T25, T30, T40



OFFSET SCREWDRIVERS

Chrome-Vanadium steel.

<u>PART #</u>	<u>TIP</u>	<u>LENGTH</u>	<u>ISSA #</u>
41 088	4mm	100mm	
41 089	5.5mm	125mm	
61 24 01			
41 090	8mm	150mm	
61 24 02			
41 091	10mm	175mm	



VOLTAGE SCREWDRIVER TESTERS

These voltage indicators are suitable for testing AC voltages.

<u>PART #</u>	<u>VOLTAGE</u>	<u>SIZE</u>
41 114	100-250 volt	190 mm
46 091	6-30 volt	140mm
	w/pocket clip	

SCREWDRIVERS



SLOTTED SCREWDRIVER SETS

5-pc. set, tungsten alloy steel blade with ergonomic rubber handle.

<u>PART #</u>	<u>CONTENTS.</u>
46 071	3.0 x 75mm
	3.5 x 100mm
	4.0 x 100mm
	5.5 x 100mm
	6.5 x 150mm



PHILLIPS SCREWDRIVER SETS

4-pc. set, tungsten alloy steel blade with ergonomic rubber handle.

<u>PART #</u>	<u>CONTENTS.</u>
46 072	PH 0 x 60mm
	PH 1 x 80mm
	PH 2 x 100mm
	PH 3 x 150mm

COMBINATION SCREWDRIVER SETS

6-pc. set, tungsten alloy steel blade with ergonomic rubber handle.

<u>PART #</u>	<u>CONTENTS.</u>
46 073	4.0 x 100mm
	6.5 x 150mm
	10.0 x 200mm
	PH 1 x 80mm
	PH 2 x 100mm
	PH 3 x 150mm



SCREWDRIVER & BIT SET

20-pc. set, tungsten alloy steel blade with ergonomic rubber handles.

<u>PART #</u>	<u>CONTENTS.</u>
46 075	6 flat tip
	5 Philips tip
	1 square tip
	1 ratchet handle
	7 bits



COMBINATION SCREWDRIVER SETS

11-pc. set, tungsten alloy steel blade with ergonomic rubber handle.

<u>PART #</u>	<u>CONTENTS.</u>
46 074	3.0 x 75mm
	3.5 x 100mm
	4.0 x 100mm
	5.5 x 100mm
	6.5 x 150mm
	8.0 x 175mm
	10.0 x 200mm
	PH0 x 60mm
	PH1 x 80mm
	PH2 x 100mm
	PH3 x 150mm



SCREWDRIVERS



INSULATED SLOTTED SCREWDRIVERS

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.

<u>PART #</u>	<u>SIZE</u>
41 066	2.5 x 75 x 140mm
41 100	3.0 x 80 x 155mm
41 101	3.0 x 100 x 190mm
41 109	3.5 x 100 x 190mm
41 103	4.0 x 100 x 200mm
41 104	5.5 x 125 x 235mm
41 105	6.5 x 150 x 285mm
41 013	8.0 x 175 x 300mm

INSULATED PHILLIPS SCREWDRIVERS

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.



<u>PART #</u>	<u>SIZE</u>
41 095	#0 x 60 x 140mm
41 096	#1 x 100 x 160mm
41 097	#2 x 100 x 210mm
41 098	#3 x 150 x 270mm
41 099	#4 x 200 x 320mm

INSULATED POZI SCREWDRIVERS

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.



<u>PART #</u>	<u>SIZE</u>
41 021	#0 x 60 mm
41 022	#1 x 100mm
41 023	#2 x 100 mm
41 024	#3 x 150 mm

INSULATED SCREWDRIVER SETS

8-pc. combination set, fully insulated blade and handle. 1000 Volt.

<u>PART #</u>	<u>CONTENTS.</u>
41 015	3.0 x 75mm
	4.0 x 100mm
	5.5 x 125mm
	6.5 x 150mm
	PH0 x 75mm
	PH1 x 100mm
	PH2 x 100mm
	120V ~ 250V circuit tester



SCREWDRIVERS

JEWELER'S SCREWDRIVER SET

<u>PART #</u>	<u>DESCRIPTION</u>	<u>ISSA #</u>
41 112	6-pc set (4 Slotted and 2 Philips)	61 24 11
41 311	16-pc set (6 flat, 4 Philips, 3 hex, 3 nut driver)	

PRECISION SCREWDRIVER SETS

Combination precision screwdriver and bits set in handy PVC case.

<u>PART #</u>	<u>CONTENTS</u>
42 115	6-pc set 3 Slotted screwdrivers 3 Philips screwdrivers Snap-in case
41 087	8-pc set; 5 Slotted screwdrivers 3 Phillips screwdrivers . 1 PVC case
41 115	27-pc set; 3 flat tip bits, 4 phillips bits 9 star bits, 2 Tri-wing, 1 spudger 2 Pentalope, 2 nut drivers 2 pc bit organizer 1 screwdriver, 1 PVC case

MULTI-FUNCTION SCREWDRIVERS

Professional in Chrome Molybdenum steel,

<u>PART #</u>	<u>CONTENTS</u>
41 068	6-in-1 screwdriver with reversible bits
41 069	Ratchet screwdriver, pistol grip w/7 Interchangeable bits
41 065	Ratchet screwdriver w/21 bits 2-in-1

**HAMMERING SCREWDRIVER**

Professional set in Chrome Molybdenum steel, sand blasted and chrome plated.

PART #
41 135

CONTENTS
Impact driver
2 slotted bits: 9 & 11mm
2 Phillips bits: Ph 2 & Ph 3

**RATCHET SCREWDRIVER BIT SET**

11-pc. 20-in-1 interchangeable screwdriver set

PART #
41 111

CONTENTS
10 pc double-ended reversible blades
Quick-release blade retainer with anti-slip handle

**RATCHET SCREWDRIVER BIT SET**

135-pc. Set in plastic case.

PART #
41 110

CONTENTS
Slotted, Phillips, Square, Pozi
Metric Hex, SAE Hex, Star,
Tri-Wing, spanner & Clutch bits
Magnetic Bit Holder
Ratchet handle

**MINI RATCHET BIT SET, 35-PC**

35-pc. Set in plastic case w/1/4 Dr. Mini Ratchet

PART #
41 322

CONTENTS
Slotted, Phillips, Pozi, Torx
Metric hex, Mini Ratchet

**SCREWDRIVER BIT SET, 31-PC**

31-pc. Set in plastic case w/magnetic bit holder

PART #
41 086

CONTENTS
Slotted, Phillips, Pozi, Torx
Metric hex, Magnetic Bit Holder

**SECURITY BIT SET, 33-PC**

33-pc. Set in plastic case w/magnetic bit holder

PART #
41 364

CONTENTS
Tamper Star, Tamper Hex, Tri-wing
Spanner, Torq, magnetic holder

SCREWDRIVERS

Bahco



BAHCO SLOTTED SCREWDRIVERS

The ERGO series with a scientifically designed handle provides the most comfortable grip.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>
41 070	8010	2.5 x 50 x 152mm
41 077	8210	2.5 x 75 x 175 mm
41 071	8020	3.0 x 50 x 152mm
41 008	8220	3.0 x 125 x 228mm
41 072	8030	3.5 x 75 x 197mm
41 078	8230	4.0 x 125 x 250 mm
41 073	8040	4.0 x 100 x 222mm
41 079	8240	4.0 x 175 x 300 mm
41 074	8150	5.5 x 100 x 222mm
41 075	8155	6.5 x 125 x 247mm
41 085	8250	6.0 x 150 x 270 mm
41 076	8160	8.0 x 125 x 247mm
41 059	8260	6.0 x 175 x 300 mm
41 060	8865	8.0 x 175 x 340mm
41 061	8870	10.0 x 175 x 340mm
41 062	8880	12.0 x 200 x 365mm
41 063	8890	14.0 x 200 x 365mm

Bahco



BAHCO PHILLIPS SCREWDRIVERS

The superior gripping comfort of an ERGO screwdriver is due to the cylindrical shape of the handle and its surface makes it easier to apply high turning torques.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>
41 080	8600	PH 0 x 60 x 162mm
41 081	8610	PH 1 x 75 x 197mm
41 058	8610L	PH 1 x 200 x 325 mm
41 082	8620	PH 2 x 100 x 222mm
41 057	8620L	PH 2 x 200 x 325 mm
41 083	8623	PH 3 x 150 x 272mm
41 084	8624	PH 4 x 200 x 365mm

Bahco



BAHCO TORX SCREWDRIVERS

The TORX screw head looks like a star. It has six contact surfaces and a geometry designed to prevent coming out while transmitting the maximum torque with minimum wear on the screw head and driver.

<u>PART #</u>	<u>BAHCO#</u>	<u>SIZE</u>
40 057	8906	TX 6 x 50 x 152mm
40 068	8907	TX 7 x 55 x 157mm
40 069	8908	TX 8 x 60 x 162mm
40 058	8909	TX 9 x 60 x 182mm
40 070	8910	TX10x65x187mm
40 071	8915	TX15 x 70 x 192mm
40 059	8920	TX20 x 75 x 197mm
40 072	8925	TX25 x 80 x 202mm
40 073	8927	TX27 x 90 x 212mm
40 074	8930	TX30 x 100 x 222mm
40 075	8940	TX40 x 130 x 295mm

SCREWDRIVERS



Bahco

INSULATED BAHCO SLOTTED SCREWDRIVER

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>
46 077	8010S	2.5 x 75 x 177mm
46 078	8220S	3.0 x 100 x 228mm
46 079	8230S	3.5 x 125 x 247mm
46 080	8040S	4.0 x 100 x 222mm
46 081	8050S	5.5 x 100 x 222mm
46 082	8255S	6.0 x 150 x 273mm
46 083	8065S	8.0 x 175 x 295mm



Bahco

INSULATED BAHCO PHILLIPS SCREWDRIVERS

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>
46 084	8600S	PH 0 x 75 x 160mm
46 085	8610S	PH 1 x 75 x 200mm
46 086	8620S	PH 2 x 100 x 222mm
46 087	8630S	PH 3 x 150 x 273mm
46 088	8640S	PH 4 x 200 x 362mm

DRIVER BITS



SLOTTED INSERT BITS

1/4" Hex

<u>PART #</u>	<u>TIP SIZE</u>	<u>LENGTH</u>
125F01A	.109"	1"
125F02A	.138"	1"
125F03A	.140"	1"
125F04A	.156"	1"
125F05A	.182"	1"
125F06A	.232"	1"
125F08A	.25"	1"
125F10A	.281"	1"
125F12A	.312"	1"
125F14A	.360"	1"
138F12A	.312	1-1/2"
138F16A	.360"	1-1/2"

PHILLIPS INSERT BITS

1/4" Hex

<u>PART #</u>	<u>TIP SIZE</u>	<u>LENGTH</u>
125P00A	#00	1"
125P0A	#0	1"
125P1A	#1	1"
125P1AX	#1	1"
125P2A	#2	1"
125P2AX	#2	1"
125P3A	#3	1"
125P3AX	#3	1"
125P4A	#4	1"
132P3A	#3	1-1/4"
132P4A	#4	1-1/4"
138P2A	#2	1-1/2"
150P2D	#2	2"



PHILLIPS INSERT BITS - ACR

1/4" Hex

<u>PART #</u>	<u>TIP SIZE</u>	<u>LENGTH</u>
125P1CR	#1	1"
125P2CR	#2	1"
125P2RCR	#2R	1"
125P3CR	#3	1"

DRIVER BITS



SLOTTED POWER BITS

1/4" Hex

<u>PART #</u>	<u>TIP SIZE</u>	<u>LENGTH</u>
150F02A	.138"	2"
150F03A	.140"	2"
150F04A	.156"	2"
150F05A	.182"	2"
150F06A	.232"	2"
150F08A	.25"	2"
150F10A	.281"	2"
150F12A	.312"	2"
150F14A	.360"	2"
170F02A	.138"	2-3/4"
170F03A	.140"	2-3/4"
170F04A	.156"	2-3/4"
170F05A	.182"	2-3/4"
170F06A	.232"	2-3/4"
170F08A	.25"	2-3/4"
170F10A	.281"	2-3/4"
170F12A	.312"	2-3/4"
170F14A	.360"	2-3/4"
170F16A	.360"	2-3/4"
190F02A	.138"	3-1/2"
190F03A	.140"	3-1/2"
190F04A	.156"	3-1/2"
190F05A	.182"	3-1/2"
190F06A	.232"	3-1/2"
190F08A	.25"	3-1/2"
190F10A	.281"	3-1/2"
190F12A	.312"	3-1/2"
190F14A	.360"	3-1/2"
1150F02A	.138"	6"
1150F03A	.140"	6"
1150F04A	.156"	6"
1150F05A	.182"	6"
1150F06A	.232"	6"
1150F08A	.25"	6"
1150F10A	.281"	6"
1150F12A	.312"	6"
1150F14A	.360"	6"

PHILLIPS POWER BITS

1/4" Hex

<u>PART #</u>	<u>TIP SIZE</u>	<u>LENGTH</u>
150P00A	#00	2"
150P0A	#0	2"
150P1A	#1	2"
150P1AX	#1	2"
150P2A	#2	2"
150P2AX	#2	2"
150P2R	#2	2"
150P3A	#3	2"
150P3A-2	#3	2"
150P3AX	#3	2"
170P1A	#1	2-3/4"
170P1AX	#1	2-3/4"
170P2A	#2	2-3/4"
170P2AX	#2	2-3/4"
170P3A	#3	2-3/4"
170P3A-2	#3	2-3/4"
170P3AX	#3	2-3/4"
170P4A	#4	2-3/4"
170P4F	#4	2-3/4"
190P0A-SP	#0	3-1/2"
190P1A	#1	3-1/2"
190P1AX	#1	3-1/2"
190P2A	#2	3-1/2"
190P2AX	#2	3-1/2"
190P3A	#3	3-1/2"
190P3A-2	#3	3-1/2"
190P3AX	#3	3-1/2"
1115P2A	#2	4-1/2"
1150P1A	#1	6"
1150P1AX	#1	6"
1150P2A	#2	6"
1150P2AX	#2	6"
1150P3A	#3	6"
1150P3A-2	#3	6"
1150P3AX	#3	6"
1200P2A	#2	8"
1250P2A	#2	10"
1300P2A	#2	12"

DRIVER BITS

PHILLIPS POWER BITS - ACR

1/4" Hex



<u>PART #</u>	<u>TIP SIZE</u>	<u>LENGTH</u>
150P0ACR	#0	2"
150P1ACR	#1	2"
150P2ACR	#2	2"
150P3ACR	#3	2"
170P1ACR	#1	2-3/4"
170P2ACR	#2	2-3/4"
170P3ACR	#3	2-3/4"
175P1ACR	#1	3"
190P1ACR	#1	3-1/2"
190P2ACR	#2	3-1/2"
190P3ACR	#3	3-1/2"
1150P1ACR	#1	6"
1150P2ACR	#2	6"
1150P3ACR	#3	6"

POZIDRIV POWER BITS

1/4" Hex



<u>PART #</u>	<u>TIP SIZE</u>	<u>LENGTH</u>
150Z1A	#1	2"
150Z2A	#2	2"
150Z3A	#3	2"
170Z1A	#1	2-3/4"
170Z2A	#2	2-3/4"
170Z3A	#3	2-3/4"
190Z1A	#1	3-1/2"
190Z2A	#2	3-1/2"
190Z3A	#3	3-1/2"
1150Z1A	#1	6"
1150Z2A	#2	6"
1150Z3A	#3	6"

DRIVER BITS



TORX TAMPER INSERT BITS

1/4" Hex

<u>PART #</u>	<u>TIP SIZE</u>	<u>LENGTH</u>
125TT05A	5	1"
125TT06A	6	1"
125TT07A	7	1"
125TT08A	8	1"
125TT09A	9	1"
125TT10A	10	1"
125TT15A	15	1"
125TT20A	20	1"
125TT25A	25	1"
125TT27A	27	1"
125TT30A	30	1"
125TT40A	40	1"
125TT45A	45	1"

TORX TAMPER POWER BITS

1/4" Hex



<u>PART #</u>	<u>TIP SIZE</u>	<u>LENGTH</u>
150TT10A	10	2"
150TT15A	15	2"
150TT20A	20	2"
150TT25A	25	2"
150TT27A	27	2"
150TT30A	30	2"
150TT40A	40	2"
150TT45A	45	2"
170TT10A	10	2-3/4"
170TT15A	15	2-3/4"
170TT20A	20	2-3/4"
170TT25A	25	2-3/4"
170TT27A	27	2-3/4"
170TT30A	30	2-3/4"
170TT40A	40	2-3/4"
190TT10A	10	3-1/2"
190TT15A	15	3-1/2"
190TT20A	20	3-1/2"
190TT25A	25	3-1/2"
190TT27A	27	3-1/2"
190TT30A	30	3-1/2"
190TT40A	40	3-1/2"
1150TT10A	10	6"
1150TT15A	15	6"
1150TT20A	20	6"
1150TT25A	25	6"
1150TT27A	27	6"
1150TT30A	30	6"
1150TT40A	40	6"

DRIVER BITS

MAGNETIC BIT HOLDERS

1/4" Hex



<u>PART #</u>	<u>LENGTH</u>
160MH1AD	2-3/8"
175MH1AD	3"
1100MH1AD	4"
1150MH1AD	6"
1200MH1AD	8"
1250MH1AD	10"
1300MH1AD	12"

S.S. MAGNETIC BIT HOLDERS W/C-RING

1/4" Hex



<u>PART #</u>	<u>LENGTH</u>
154MH1CD	2-1/8"
159MH1CD	2-3/8"
175MH1CD	3"
1100MH1CD	4"
1150MH1CD	6"
1200MH1CD	8"
1250MH1CD	10"
1300MH1CD	12"

QUICK RELEASE MAGNETIC BIT HOLDERS

1/4" Hex



<u>PART #</u>	<u>LENGTH</u>
150MH1QD	2"
160MH1QD	2-3/8"
175MH1QD	3"
1100MH1QD	4"
1150MH1QD	6"
1300MH1QD2	12"

DRIVER BITS



MAGNETIC NUTSETTERS, METRIC

1/4" Hex

<u>PART #</u>	<u>SIZE</u>	<u>LENGTH</u>
145MN055M	5.5mm	1-3/4"
145MN06M	6mm	1-3/4"
145MN07M	7mm	1-3/4"
145MN08M	8mm	1-3/4"
145MN10M	10mm	1-3/4"
145MN12M	12mm	1-3/4"
145MN13M	13mm	1-3/4"
165MN055M	5.5mm	2-9/16"
165MN06M	6mm	2-9/16"
165MN07M	7mm	2-9/16"
165MN08M	8mm	2-9/16"
165MN10M	10mm	2-9/16"
165MN12M	12mm	2-9/16"
165MN13M	13mm	2-9/16"
1100MN08M	8mm	4"
1100MN10M	10mm	4"
1100MN12M	12mm	4"
1150MN08M	8mm	6"
1150MN10M	10mm	6"
1150MN12M	12mm	6"

MAGNETIC NUTSETTERS, INCH

1/4" Hex

<u>PART #</u>	<u>SIZE</u>	<u>LENGTH</u>
145MN416	1/4"	1-3/4"
145MN416-TH	1/4"	1-3/4"
145MN516	5/16"	1-3/4"
145MN516T	5/16"	1-3/4"
145MN616	3/8"	1-3/4"
145MN716	7/16"	1-3/4"
145MN816	1/2"	1-3/4"
145MN916	9/16"	1-3/4"
151MN416T	1/4"	2"
165MN416	1/4"	2-9/16"
165MN416-TH	1/4"	2-9/16"
165MN516	5/16"	2-9/16"
165MN616	3/8"	2-9/16"
165MN716	7/16"	2-9/16"
165MN816	1/2"	2-9/16"
165MN916	9/16"	2-9/16"
1100MN416S	1/4"	4"
1100MN516S	5/16"	4"
1100MN616S	3/8"	4"
1100MN716S	7/16"	4"
1150MN416S	1/4"	6"
1150MN516S	5/16"	6"
1150MN616S	3/8"	6"
1150MN716S	7/16"	6"
1200MN416	1/4"	8"
1200MN516	5/16"	8"
1200MN616	3/8"	8"
1250MN416	1/4"	10"
1250MN516	5/16"	10"
1250MN616	3/8"	10"
1300MN416	1/4"	12"
1300MN516	5/16"	12"
1300MN616	3/8"	12"

1000 VOLT INSULATED TOOLS**INSULATED CABLE KNIFE 50 MM BLADE****PART#** **DESCRIPTION**

43 013 8.5" O.L. w/finger guard & blade cover

**INSULATED CABLE KNIFE W/INSUL. BLADE****PART#** **DESCRIPTION**

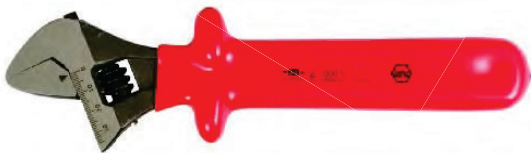
43 014 9" O.L. w/finger blade & blade cover

**INSULATED SHEARS****PART#** **DESCRIPTION**

40 138 6" O.L. stainless steel blades & cable notch

**INSULATED HACK SAW****PART#** **DESCRIPTION**

40 369 18" O.L. for 12" blade

**INSULATED ADJUSTABLE WRENCHES****PART#** **DESCRIPTION**

40 261 8"

40 262 10"

40 263 12"

40 313 15"

**INSULATED ADJUSTABLE WRENCH SET****PART#** **DESCRIPTION**

40 314 3-Pc set: 8", 10" & 12"

1000 VOLT INSULATED TOOLS**3/8" DR. INSULATED SOCKETS, 12-PT**

Tested to 10,000 Volts, protective insulation molded directly onto the socket. High visibility Coatings.

<u>PART #</u>	<u>SIZE</u>
40 292i	6mm
40 294i	7mm
40 297i	8mm
40 298i	9mm
40 299i	10mm
40 315i	11mm
40 316i	12mm
40 317i	13mm
40 318i	14mm
40 319i	15mm
40 320i	16mm
40 321i	17mm
40 322i	18mm
40 323i	19mm
40 324i	20mm
40 325i	21mm
40 326i	22mm
40 327i	24mm

**3/8" DR. INSULATED SOCKET SET, 10-PC**

Tested to 10,000 Volts, protective insulation molded directly onto the socket. High visibility Coatings. Storage Box.

<u>PART #</u>	<u>SIZE</u>
40 496i	8,10,11,12,13,14,17 & 19mm sockets Ratchet, 125mm extension bar

**3/8" DR. INSULATED RATCHET**

Tested to 10,000 Volts, protective insulation molded directly onto the socket. High visibility Coatings.

<u>PART #</u>	<u>SIZE</u>
40 486i	190mm

1000 VOLT INSULATED TOOLS**1/2" DR. INSULATED SOCKETS, 12-PT**

Tested to 10,000 Volts, protective insulation molded directly onto the socket. High visibility Coatings.

<u>PART #</u>	<u>SIZE</u>	<u>PART #</u>	<u>SIZE</u>
40 328i	8mm	40 342i	19mm
40 329i	9mm	40 343i	20mm
40 330i	10mm	40 344i	21mm
40 331i	11mm	40 345i	22mm
40 332i	12mm	40 346i	23mm
40 336i	13mm	40 347i	24mm
40 337i	14mm	40 349i	26mm
40 338i	15mm	40 350i	27mm
40 339i	16mm	40 351i	28mm
40 340i	17mm	40 353i	30mm
40 341i	18mm	40 354i	32mm

**1/2" DR. INSULATED SOCKET SET, 24-PC**

Tested to 10,000 Volts, protective insulation molded directly onto the socket. High visibility Coatings. Storage Box.

<u>PART #</u>	<u>SIZE</u>
40 501i	8,9,10,12,13,14,15,17,19,22 & 24mm sockets, ratchet, 125 & 250mm extension bar, 6 screwdrivers, Cable knife, 3 pliers/cutters

**1/2" DR. INSULATED RATCHET**

Tested to 10,000 Volts, protective insulation molded directly onto the socket. High visibility Coatings.

<u>PART #</u>	<u>SIZE</u>
40 487i	190mm

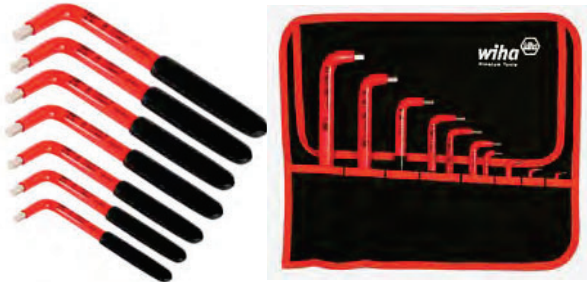
1000 VOLT INSULATED TOOLS

<u>PART #</u>	<u>SIZE</u>
46 009i	1.5mm
40 220i	2mm
40 221i	2.5mm
40 222i	3mm
40 223i	4mm

INSULATED HEX KEY WRENCHES

Tested to 10,000 Volts, protective insulation molded directly onto the key

<u>PART #</u>	<u>SIZE</u>
40 224i	5mm
40 225i	6mm
40 227i	8mm
40 229i	10mm
46 202i	12mm

**INSULATED HEX KEY SETS**

Tested to 10,000 Volts, protective insulation molded directly onto the key. High visibility Coatings. Storage Box.

<u>PART #</u>	<u>SIZE</u>
46 206i	7-Pc set; 3, 4, 5, 6, 8, 10 & 12mm
46 218i	10-Pc set; 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 & 12mm

**INSULATED T-HANDLE HEX KEY WRENCHES**

Tested to 10,000 Volts, protective handle & insulation molded directly onto the key. Comfort grip T-handle.

<u>PART #</u>	<u>SIZE</u>	<u>LENGTH</u>
40 534i	4mm	150mm
40 535i	5mm	150 mm
40 536i	6mm	150 mm
40 538i	8mm	150 mm
40 539i	10mm	150 mm

**INSULATED T-HANDLE HEX KEY SETS**

Tested to 10,000 Volts, protective handle & insulation molded directly onto the key. High visibility Coatings. Comfort grip T-handle

<u>PART #</u>	<u>SIZE</u>
40 259i	5-Pc set; 4, 5, 6, 8 & 10mm

1000 VOLT INSULATED TOOLS**PLIERS - 1000 VOLT****WATER PUMP PLIERS-1000 VOLT**

Top quality high voltage super insulated plier.
DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt



<u>PART #</u>	<u>SIZE</u>
41 509	250mm

CABLE CUTTER PLIERS-1000 VOLT

Top quality high voltage super insulated plier.
DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt



<u>PART#</u>	<u>SIZE</u>
41 511	250mm

WIRE STRIPPER PLIERS-1000 VOLT

Top quality high voltage super insulated plier.
DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt



<u>PART #</u>	<u>SIZE</u>
41 512	150mm

WIRE CRIMPING PLIERS-1000 VOLT

Top quality high voltage super insulated plier.
DIN5745, Chrome-Vanadium Oxidized Steel, Insulated cushion grip, approved for Voltages of up to 1000 Volt



<u>PART #</u>	<u>SIZE</u>
41 513	180mm

1000 VOLT INSULATED TOOLS**COMBINATION PLIERS**

Top quality high voltage super insulated plier. DIN5746, Chrome-Vanadium Steel, black oxidized with insulated grip, approved for Voltages of up to 1000 Volt

<u>PART#</u>	<u>SIZE</u>
41 500	180 mm
41 501	200mm

**SIDE CUTTING PLIERS**

Top quality high voltage super insulated plier. Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt

<u>PART#</u>	<u>SIZE</u>
41 507	150 mm
41 508	180 mm

**LONG NOSE PLIERS**

Top quality high voltage super insulated plier. DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt

<u>PART#</u>	<u>SIZE</u>
41 502	150 mm
41 503	200 mm

**LONG NOSE PLIERS, BENT**

Top quality high voltage super insulated plier. DIN5745, Chrome-Vanadium Steel, black oxidized, anti-corrosion treated, with insulated grip, approved for Voltages of up to 1000 Volt

<u>PART#</u>	<u>SIZE</u>
41 510	150 mm
41 504	200 mm

1000 VOLT INSULATED TOOLS**INSULATED SLOTTED SCREWDRIVERS**

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.

<u>PART #</u>	<u>SIZE</u>
41 066	2.5 x 75 x 140mm
41 100	3.0 x 80 x 155mm
41 101	3.0 x 100 x 190mm
41 109	3.5 x 100 x 190mm
41 103	4.0 x 100 x 200mm
41 104	5.5 x 125 x 235mm
41 105	6.5 x 150 x 285mm
41 013	8.0 x 175 x 300mm

**INSULATED PHILLIPS SCREWDRIVERS**

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.

<u>PART #</u>	<u>SIZE</u>
41 095	#0 x 60 x 140mm
41 096	#1 x 100 x 160mm
41 097	#2 x 100 x 210mm
41 098	#3 x 150 x 270mm
41 099	#4 x 200 x 320mm

**INSULATED POZI SCREWDRIVERS**

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.

<u>PART #</u>	<u>SIZE</u>
41 021	#0 x 60 mm
41 022	#1 x 100mm
41 023	#2 x 100 mm
41 024	#3 x 150 mm

**INSULATED SCREWDRIVER SETS**

8-pc. combination set, fully insulated blade and handle. 1000 Volt.

<u>PART #</u>	<u>CONTENTS.</u>
41 015	3.0 x 75mm
	4.0 x 100mm
	5.5 x 125mm
	6.5 x 150mm
	PH0 x 75mm
	PH1 x 100mm
	PH2 x 100mm
	120V ~ 250V circuit tester

Bahco**1000 VOLT INSULATED TOOLS****INSULATED BAHCO SLOTTED SCREWDRIVER**

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>
46 077	8010S	2.5 x 75 x 177mm
46 078	8220S	3.0 x 100 x 228mm
46 079	8230S	3.5 x 125 x 247mm
46 080	8040S	4.0 x 100 x 222mm
46 081	8050S	5.5 x 100 x 222mm
46 082	8255S	6.0 x 150 x 273mm
46 083	8065S	8.0 x 175 x 295mm

Bahco**INSULATED BAHCO PHILLIPS SCREWDRIVERS**

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt.

<u>PART #</u>	<u>BAHCO #</u>	<u>SIZE</u>
46 084	8600S	PH 0 x 75 x 160mm
46 085	8610S	PH 1 x 75 x 200mm
46 086	8620S	PH 2 x 100 x 222mm
46 087	8630S	PH 3 x 150 x 273mm
46 088	8640S	PH 4 x 200 x 362mm

INSULATED MULTI-BIT SCREWDRIVER SETS

Fully insulated blade and handle approved for working on live voltages up to 1000 Volt. Power handle with 1/4" bits.



<u>PART #</u>	<u>SIZE</u>
40 503	6-Pc set includes; 5.5 & 6.5 mm slotted PH 0, PH1, PH2 & PH3
40 505	6-Pc set includes; 6.5 & 8.0mm slotted PH 1 & PH2 Square 1 & 2

**INSULATED BITFLIP SCREWDRIVER SET**

Tested to 10,000 Volt, cushion grip, rapid access flip out eight bit tray. 1/4" magnetic bit holder.

<u>PART#</u>	<u>DESCRIPTION</u>
40 619	8-Pc set: PH0, PH1, PH2 & PH3 4.5, 5.5, 6.0 & 8.0 slotted

1000 VOLT INSULATED TOOLS**INSULATED PLIERS & SCREWDRIVERS SET**

Tested for 10,000 Volt, cushion grip screwdrivers, molded in slip guards on pliers, finger jam protection.

PART#**SIZE****40 374**

10-Pc Set:

5 screwdrivers, 5 pliers

**INSULATED MAINTENANCE SET, 80-PC**

Insulated master electrician's tool set in rolling water tight traveling tool box. Tested for 10,000 volt, 1000volt rated.

PART#**CONTENTS****40 584**

10 pliers, cable knife, ruler,
voltage detector, 12 hex keys,
14 sockets, ratchet. Extension,
12 nut drivers, 27 screwdrivers,

**INSULATED VOLTAGE DETECTOR 110V**

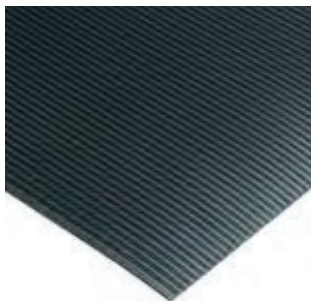
Detects AC voltages between 90 and 1000 Volts.

LED in plastic tip illuminates Red and emits audible warning as soon as AC voltage is detected.

Needs two AAA batteries.

PART#**SIZE****40 405**

150mm/6"

**CORRUGATED SWITCHBOARD MATS**

Protects from harmful or deadly electrical shock.

Insulates against as much as 50,000 volts..

Sold per foot!

PART#**SIZE****40 528**

1/4" thick x 36" wide

PIPE WRENCHES

PIPE WRENCHES - PROFESSIONAL

A heavy duty rigid type pipe wrench.



Cast Iron

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
40 719	6"	61 13 01
40 720	8"	61 13 02
40 721	10"	61 13 03
40 727	12"	61 13 04
40 723	14"	61 13 05
40 724	18"	61 13 06
40 725	24"	61 13 07
40 726	36"	61 13 08
40 729	48"	61 13 09

Aluminum

<u>PART #</u>	<u>SIZE</u>
40 721A	10"
40 727A	12"
40 723A	14"
40 724A	18"
40 725A	24"
40 726A	36"
40 729A	48"



BAHCO UNIVERSAL PIPE WRENCHES

A high quality Swedish style pipe wrench.

<u>PART #</u>	<u>BAHCO</u>	<u>LENGTH</u>	<u>CAP.</u>	<u>ISSA</u>
40 705	#140	215mm	30mm	61 61 11
40 706	#141	280mm	36mm	61 61 12
40 707	#142	370mm	52mm	61 61 13
40 708	#143	555mm	78mm	61 61 14
40 709	#144	720mm	110mm	61 61 15
40 710	#147	940mm	160mm	61 61 16



TOPTUL PIPE WRENCHES, SWEEDISH

Swedish pattern pipe wrench. Chrome Vanadium Steel
Slim S-shaped 45 degree jaws.

Special jaw design grips pipes at three points.

<u>PART #</u>	<u>SIZE</u>	<u>LENGTH</u>	<u>CAP.</u>
40 728	1"	345mm	38mm
40 732	1-1/2"	440mm	57mm
40 733	2"	560mm	63mm

CHAIN WRENCHES

STRAP WRENCH

Use on any polished pipe, strong woven nylon strap will not scratch the surface of the pipe.



PART #
40 101

DESCRIPTION
12"/300mm long,
50-135mm capacity

ISSA # 61 65 78

40 335

18"/450mm long
125-300mm capacity

OIL FILTER STRAP WRENCH



PART#
40 012

DESCRIPTION
1/2" Dr.

PIPE CHAIN WRENCH

Single jaw pipe chain wrench, heat treated.



PART #
45 220

DESCRIPTION
230mm long,
30-160mm capacity
ISSA # 61 13 74

45 221

4" capacity, 12" handle

45 222

5" capacity, 15" handle

45 223

6" capacity, 20" handle

PIPE CHAIN WRENCH

Double jaw pipe chain wrench. Chain swings from the center and can be used on either side of the jaws. Fully adjustable to fit any shape pipe.



<u>PART #</u>	<u>CAPACITY</u>	<u>LENGTH</u>
40 736	4"	38"
40 737	6"	47"
42 005	8"	50"
42 006	12"	64"

PIPE CUTTERS



MINI TUBE CUTTER

One cutting wheel and 2 guide rollers.

<u>PART #</u>	<u>DESCRIPTION</u>
41 246	Capacity: 3 - 16 mm
46 093	Spare cutter wheel
41 246CT	Cap. 3/8"-1-1/8" w/spare cutter wheel

TUBE CUTTERS

One cutting wheel and 2 guide rollers.

<u>PART #</u>	<u>DESCRIPTION</u>
41 247	Capacity: 3 - 32 mm
41 248	ISSA # 61 20 35 Spare cutter wheel
41 226	ISSA # 61 20 45 Zip Action tube Cutter Cap.: 6 - 60 mm
41 261	ISSA # 61 20 37 Quick-acting cutter Cap. 50-140 mm
41 324	Telescopic Tube Cutter 1/4" - 1-1/2"

2" & 4" PIPE CUTTERS

Heavy duty with one cutting wheel and two guide rollers.



<u>PART #</u>	<u>DESCRIPTION</u>
41 242	Cap.: 12 - 50 mm (1/2" to 2")
41 243	2" Spare cutter wheel
41 243S	2" Spare cutter wheel for Stainless Steel
41 244	Cap.: 32mm to 100mm(1-1/4" to 4")
41 245	4" Spare cutter wheel
41 244S	4" spare cutter wheel for Stainless Steel



RATCHET ACTION PVC CUTTER

Die cast aluminum for cutting PVC, ABS, vinyl and poly tubing.

<u>PART #</u>	<u>DESCRIPTION</u>
41 219	Cap: 3 - 42mm (1/8" to 1-5/8")

TUBE BENDERS



TUBE BENDERS

Hand-held lever-type bender with rubber grips. For bending annealed copper, aluminum, steel, stainless steel and hard copper tubing. Calibrated to show angle of bend.

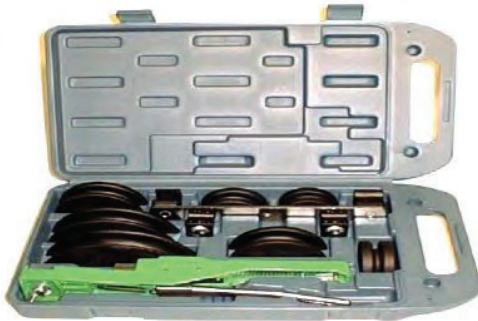
<u>PART #</u>	<u>SIZE</u>	<u>LENGTH</u>	<u>ISSA #</u>
44 109	6mm	250mm	61 67 86
44 110	8mm	250mm	61 67 87
44 100	10mm	325mm	61 67 88
44 105	12mm	450mm	61 67 89
44 111	16mm	700mm	
44 107	18mm	800mm	
44 108	22mm	800mm	



MULTI-SIZE HAND TUBE BENDER

Hand-held lever-type bender with rubber grips. Die cast aluminum, adjustable hook.

<u>PART#</u>	<u>SIZE</u>
40 789	5,6,10 & 12 mm



TUBE BENDER SET - METRIC SIZE

Ratchet type bender for copper tubing with 7 bending shoes from 8mm to 22mm in handy blow case.

<u>PART #</u>	<u>CONTENTS</u>
44 200	Bending shoes: 8,10,12,15,16,18 and 22mm

Weight: 7 Lbs



TUBE BENDER SET - INCH SIZE

Ratchet type bender for copper tubing with 5 bending shoes from 3/8" to 7/8", tube cutter and reamer in handy blow case.

<u>PART #</u>	<u>CONTENTS</u>
44 201	Bending shoes: 3/8", 1/2", 5/8", 3/4" and 7/8" Tube cutter & reamer

Weight: 8 Lbs

PIPE BENDERS & FLARING TOOLS



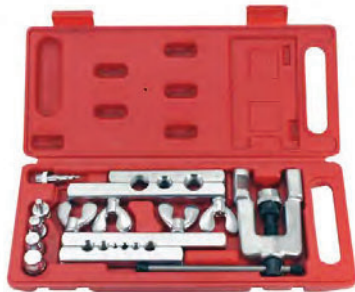
TUBE FLARING TOOL

2-Piece heavy duty chrome plated flaring tool.
45 Deg. flare.

PART #
41 170

DESCRIPTION
Range: 4mm to 16mm

ISSA # 61 67 78



TUBE FLARING & SWAGING SET, SAE

High quality set in blow case.

PART #
41 379

CONTENTS
Flaring tool: 1/8" to 7/16"
Swage adapters: 3/16" to 3/4"



TUBE CUTTING AND FLARING SET

High quality set in blow case.

PART #
46 095

CONTENTS
Tube cutter 3 to 32mm
Flaring tool 4 to 16mm

Weight: 4 Lbs
ISSA # 61 20 30



TUBE EXPANDER KIT

High quality set in metal case.

PART #
46 090

CONTENTS
Lever-type expander handle
7 Expander heads 10, 12, 16,
19, 22, 25 & 28 mm
Tube cutter 3 to 32 mm
Tube reamer
Weight: 9 Lbs

**RATCHET HEAD PIPE THREADER**

Complete with ratchet handle & die heads in plastic blow case. BSP Thread

PART #
41 249**CONTENTS**

Capacity: 1/2" to 2"
6 die heads: 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 1 Ratchet handle
Weight: 19 Lbs
ISSA # 61-66-03

HYDRAULIC PIPE BENDERS

Designed for bending thick-walled pipes.
3 casters allow for easier setup, complete with bending shoes

**PART #**
41 240**DESCRIPTION**

Range: 1/2" to 2", cap. 9 tons
6 bending dies;
1/2", 3/4", 1", 1-1/4", 1-1/2" and 2"

Weight: 115 Lbs
ISSA # 61 37 11

PART #
41 241**DESCRIPTION**

Range: 1/2" to 3", Cap. 20 Tons
8 bending dies;
1/2", 3/4", 1", 1-1/4", 1-1/2", 2",
2-1/2" and 3"

Weight: 260 Lbs

SHEARS & CUTTERS



BENCH METAL SHEARS

Steel plate frame of welded construction.
Blade made of high grade tool steel.
For cutting metal plate & flat bar sheet.

PART #

DESCRIPTION

40 109

Blade length: 200mm
Cutting capacity: 5mm
Weight: 38 Lbs
ISSA # 61 19 61

40 113

200 mm spare blade (pair)

40 110

Blade length: 300mm
Cutting capacity: 5mm
Weight: 64 Lbs
ISSA # 61 19 62

40 117

300 mm spare blade (pair)



BOLT CUTTERS

High tensile strength bolt cutter with rubber grips

PART #

DESCRIPTION

40 700

14" long, bolt capacity: 5mm

40 701

18" long, bolt capacity: 6mm

40 702

24" long, bolt capacity: 9mm

40 703

30" long, bolt capacity: 11mm

40 704

36" long, bolt capacity: 15 mm

VICES



HEAVY DUTY BENCH VISES

Swivel lock base. Cast iron body with hardened alloy steel jaws.

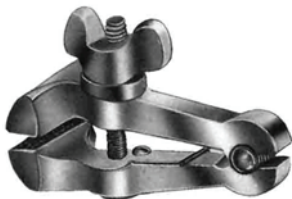
<u>PART #</u>	<u>WIDTH</u>	<u>ISSA #</u>
41 270	75mm (3")	61 37 72
41 271	100mm (4")	61 37 74
41 272	125mm (5")	61 37 76
41 273	150mm (6")	61 37 77



BENCH YOKE VISES

Cast iron body with hinged joint for quick clamping. Premium lacquered finish.

<u>PART #</u>	<u>CAPACITY</u>	<u>ISSA #</u>
46 100	1/8 - 2"	61 37 55
46 101	1/2 - 3"	61 37 56
46 110	3/8"-5"	



HAND VISE

Spring type. Cast iron body.

<u>PART #</u>	<u>SIZE</u>	<u>ISSA</u>
41 167	100mm	61 37 51
41 168	125mm	61 37 52



TRI-STAND CHAIN VISES

Handles 1/2" to 6" diameter pipe. Leg support has tray for tools. Conduit support on top for anchoring stand during threading.

<u>PART #</u>	<u>CAPACITY</u>
41 398	1/2 - 6" dia. pipe 54" L x 44" W x 36" H Ship weight: 45 lbs

VICES



DRILL PRESS VISES

Cast iron body and slide. Four slots for easy clamping to tables. Replaceable steel jaws. Handle adjust to any angle.

<u>PART #</u>	<u>WIDTH</u>	<u>OPENING</u>
41 370	3"	3"
41 371	4"	4"
41 372	5"	5"
41 373	6"	6"



PRO-SERIES MILLING VISES

Full 360° swivel base w/graduation included. Used in milling, shaping and drilling machines. Angle-tight Positive-lock style jaws interchangeable with American standard vises.

<u>PART #</u>	<u>WIDTH</u>	<u>OPENING</u>
41 374	3"	3-1/2"
41 375	4"	5"
41 376	6"	8"
41 377	8"	8"



PRO-SERIES CROSS SLIDE VISES

Suitable for clamping soft materials such as aluminum and copper. Cast iron body. Accurate positioning in two directions (crossed) Secures firmly on drill press table and moves similar to vertical mill. Heat treated steel jaws.

<u>PART #</u>	<u>WIDTH</u>	<u>OPENING</u>
41 395	3"	3"
41 396	4"	4"
41 397	6"	6"

SCISSORS & SHEARS**ELECTRICIAN SCISSORS**

<u>PART #</u>	<u>SIZE</u>
41 256	175mm

CLOTH SCISSORS

<u>PART #</u>	<u>SIZE</u>	<u>ISSA #</u>
41 399	175mm	
41 257	250mm	61 18 44

UPHOLSTERY SHEARS

<u>PART #</u>	<u>SIZE</u>
48 500	250mm
48 501	300mm

PACKING SCISSORS

<u>PART #</u>	<u>SIZE</u>
48 600	250mm

AVIATION SNIPS

Drop forged Chrome-Molybdenum Alloy steel blades



<u>PART #</u>	<u>SIZE</u>
41 258	250mm left cut
41 259	250mm straight cut
41 260	250mm right cut

LONG CUT AVIATION SNIPS

Blade edges are serrated. Bi-mold handles. Heavy duty double-overwind spring.



<u>PART #</u>	<u>SIZE</u>
41 259L	290mm straight cut

TIN SNIPS

Double-dipped plastic handle.



<u>PART #</u>	<u>SIZE</u>
48 504	175mm
48 505	250mm
48 506	300mm
48 507	350mm
48 510	355mm

PNEUMATIC

TRU-28 NEEDLE SCALER H.D.



PART #
43 003

SPECIFICATIONS
Overall length: 360mm
Piston size: 26 x 56 mm
Blows per min: 4,500 BPM
Hose size: 1/2"
Air inlet: 3/8" NPT
Needles: 28 pc 3x180mm
Air consumption: 8.8 Cfm
Weight: 7.7 lbs.
ISSA # 59 04 64

JEX-28 NEEDLE SCALER



PART #
43 000

SPECIFICATIONS
Overall length: 360mm
Piston size: 26 x 56 mm
Blows per min: 4,500 BPM
Hose size: 3/8"
Air inlet: 3/8" NPT
Air consumption: 8.8 Cfm
Weight: 7.7 lbs.
ISSA # 59 04 64

TRU-24 NEEDLE SCALER



PART #
43 002

SPECIFICATIONS
Overall length: 350mm
Piston diameter: 24mm
Blows per min: 4,200 BPM
Hose size: 3/8"
Air inlet: 3/8" NPT
Needles: 23 pc 3x180mm
Air consumption: 8.5 Cfm
Weight: 6 lbs.
ISSA # 59 04 63

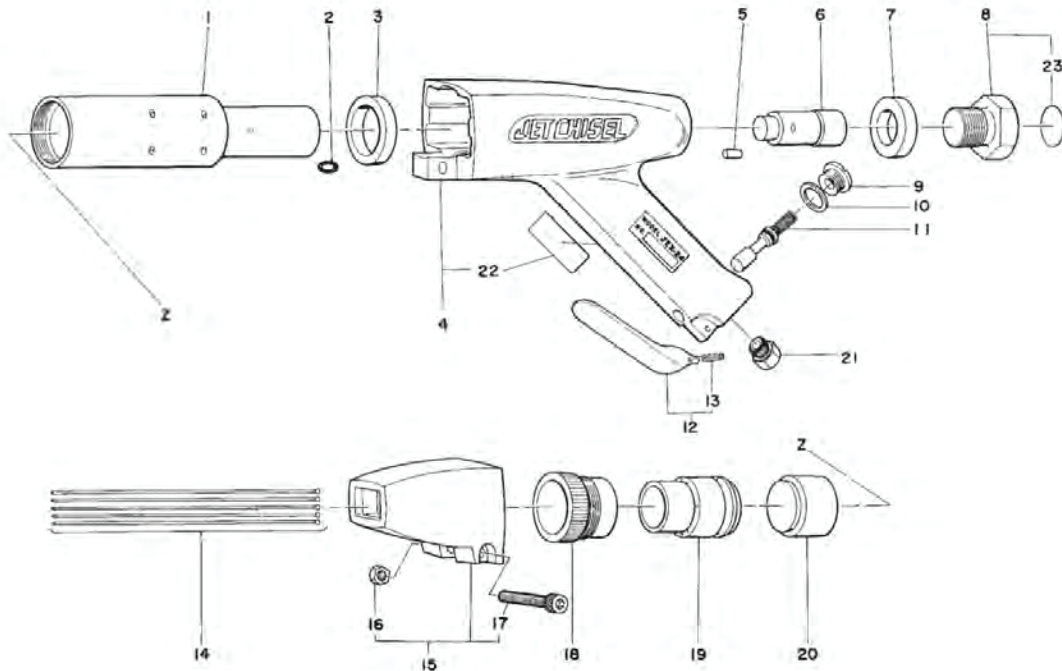
JEX-24 NEEDLE SCALER



PART #
43 001

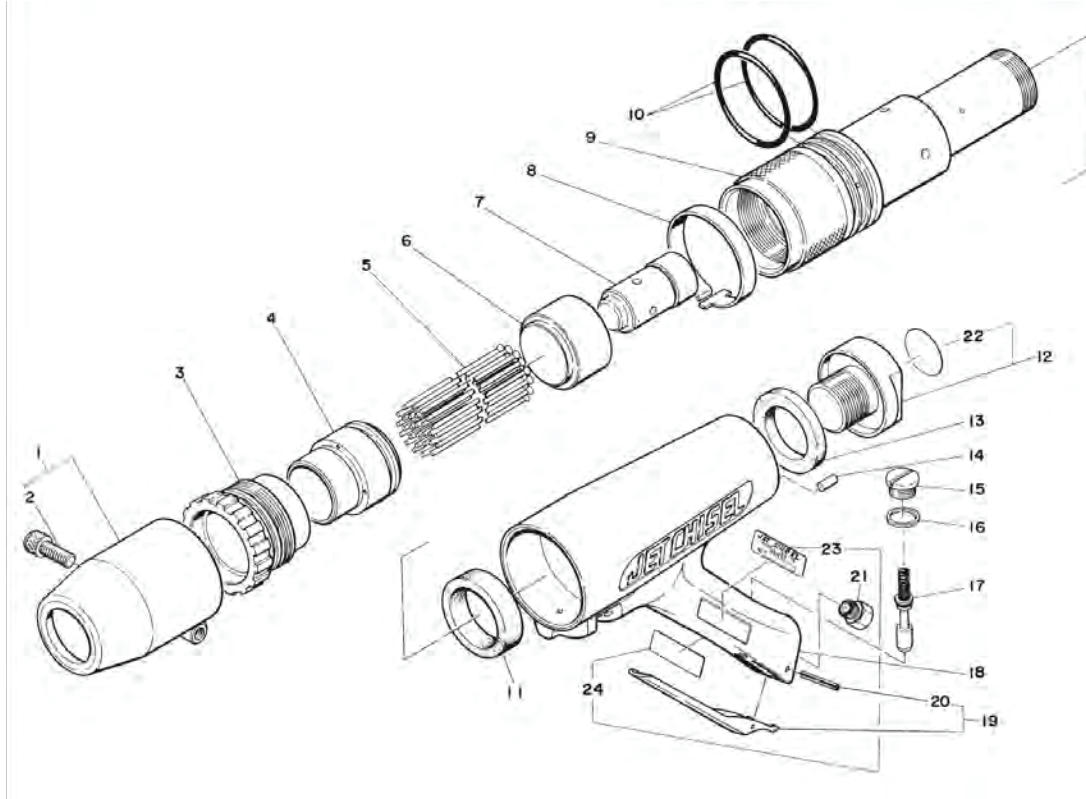
SPECIFICATIONS
Overall length: 350mm
Piston diameter: 24mm
Blows per min: 4,000 BPM
Hose size: 3/8"
Air inlet: 3/8" NPT
Air consumption: 7.8 Cfm
Weight: 6 lbs.
ISSA # 59 04 63

TRU-24/JEX-24 ASSEMBLY AND PARTS



<u>NO.</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>NO.</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	TP02241	Cylinder	13	TQ00563	Spring pin 3 x 20mm
2	TP11992	O-Ring KS-9	14	40 807	Needle 2 x 180mm
3	TP02250	Front washer	14	40 808	Needle 3 x 180mm
4	TA90904	Housing sub. assy.	15	TA93189	Needle guide assy.
5	TP01478	Cylinder lock pin	16	TP02260	Socket head bolt 35mm
6	TP02242	Piston	17	TP02246	Lock ring
7	TP02249	Rear washer	18	TP 02244	Needle supporter 2mm
8	TA93278	Rear plug assy.	18	TP02245	Needle supporter 3mm
9	TP00389	Valve cap	19	TP02243	Throttle anvil
10	TP00388	Valve packing		40 225	Hex key wrench 6mm
11	TA90037	Throttle valve assy.		TP00864	Reducer M16 x 3/8" NPT
12	TP01557	Throttle lever		TP01355	Hose nipple 3/8 X 3/8" NPT

TRU-28/JEX-28 ASSEMBLY AND PARTS



<u>NO.</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>NO.</u>	<u>PART #</u>	<u>DESCRIPTION</u>
1	TA 93365	Round needle guide assy.	7	TP 00395	Piston
2	TP 00045	Socket head bolt 8x25mm	8	TP 01466	Safety band
3	TP 01464	Stop ring	9	TP 01463	Cylinder
4	TP-01499	Needle supporter 2mm	10	TP 11993	O-Ring W-4
4	TP 01461	Needle supporter 3mm	11	TP 01474	Front washer
4	TP 01462	Needle supporter 4mm	12	TA 90452	Rear bolt assy.
5	40 807	Needle 2 X 180mm	13	TP 01475	Rear washer
5	40 808	Needle 3 X 180mm	14	TP 01478	Cylinder lock pin
5	40 809	Needle 4 X 180mm	15	TP 00389	Valve cap
6	TP 00399	Throttle anvil	16	TP 00388	Valve packing
			17	TA 90037	Throttle valve assy.
			18	TA 90410	Housing sub. assy.
			19	TA 96325	Throttle lever
			20	TQ 00563	Spring pin 3 x 20mm
				40 225	Hex key wrench 6mm
				TP 00864	Reducer M16 x 3/8" NPT
				TP 01355	Hose nipple 3/8x3/8 NPT

PNEUMATIC TOOLS

TRU-20 PNEU. NEEDLE SCALER

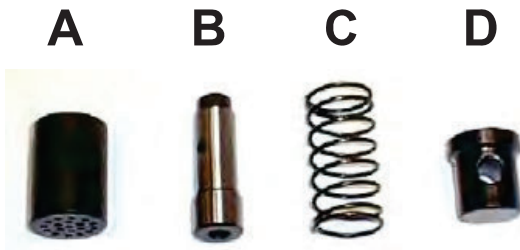


PART #
42 107

DESCRIPTION

Overall length: 13-1/2"
Needle stroke: 21/32"
Piston dia. 25/32"
Hose size: 3/8"
Air consumption: 7.1 CFM
Blows per min.: 4.000 B/min
Weight: 5.3 lbs.

ISSA # 59 04 62



SPARE PARTS FOR TRU-20 SCALER

PART #
42 119

DESCRIPTION

A: Needle supporter 3mm

42 120

B: Piston

42 121

C: Spring

42 122

D: Throttle Anvil

PNEUMATIC LONG REACH SCALER

Long reach air scaler.



PART #
40 828

DESCRIPTION

Overall length: 1220mm (48")
Blow per min.: 2,200
Air inlet: 3/8" NPT
Hose size: 1/2" ID
Weight: 26 lbs.

ISSA # 59 04 53

40 831

Spare flat chisel 100mm wide

ISSA # 59 04 56

PNEUMATIC FLUX CHIPPER

3000 BPM, 1/4" NPT air inlet, 3/8" ID hose size.



PART #
40 822

DESCRIPTION

Straight industrial flux chipper

40 805

Pistol grip industrial flux chipper

ISSA # 59 03 62

40 806

Spare chisel, flat w/hex shank

PNEUMATIC TOOLS

PNEUMATIC SCALING HAMMER

Single head scaling hammer.



PART #
40 800

DESCRIPTION
Overall length: 480mm
Piston size: 30x24x75mm
Blow per min.: 8,000
Hose size: 1/2" ID
Weight: 4.5 lbs.

ISSA # 59 03 82

SPARES FOR SINGLE HAMMERS

PART #
40 801

DESCRIPTION
Spare piston with tip
Size: 30x24x75mm

ISSA # 59 03 87

40 829

Valve spring



PNEUMATIC SCALING HAMMER

Triple head scaling hammer.



PART #
40 802

DESCRIPTION
Overall length: 496mm
Piston size: 27x21x69mm
Blow per min.: 3,000
Air inlet: 3/8" NPT
Weight: 9 lbs.

ISSA # 59 03 83

SPARES FOR TRIPLE HAMMERS

PART #
40 803

DESCRIPTION
Spare piston
Size: 27x21x69mm

ISSA # 59 03 88

40 804
40 830

Spare tungsten steel head
Valve spring



PNEUMATIC TOOLS



1/2" DR. IMPACT WRENCH

Durable compact pin clutch mechanism.
High torque, lightweight and powerful.

PART #
42 100

DESCRIPTION
Bolt capacity: 7/8"
Overall length: 198mm
Speed: 7,000 RPM
Max. torque: 600 Ft/Lbs
Rec.air pressure: 90 PSI
Air inlet: 1/4" NPT
Hose size: 3/8" ID
Weight: 5.9 lbs
ISSA # 59 01 01



3/4" DR. IMPACT WRENCH

Durable pin clutch impact mechanism.
Contoured elastomer handle grip.

PART #
42 101

DESCRIPTION
Bolt capacity: 1"
Overall length: 237mm
Speed: 4,500 RPM
Max. torque: 1000 ft/lbs.
Rec.air pressure: 90 PSI
Air inlet: 1/4" NPT
Hose size: 1/2" ID
Weight: 8.8 lbs.
ISSA # 59 01 04



1/2" DR. COMPOSITE IMPACT WRENCH

Super duty wrench in box.

PART #
42 111

DESCRIPTION
Overall length: 190mm
Speed: 8500 RPM
Max. torque: 820 Ft/Lbs
Rec.air pressure: 90 PSI
Air inlet: 1/4" NPT
Hose size: 3/8" ID
Weight: 4.6 lbs
ISSA # 59 01 01



3/4" DR. COMPOSITE IMPACT WRENCH

Super duty wrench in box.

PART #
42 112

DESCRIPTION
Overall length: 220mm
Speed: 5,500 RPM
Max. torque: 1500 ft/lbs.
Rec.air pressure: 90 PSI
Air inlet: 3/8" NPT
Hose size: 1/2" ID
Weight: 8.2 lbs.
ISSA # 59 01 04

PNEUMATIC TOOLS



1"DR. IMPACT WRENCH, H.D.

Heavy duty pneumatic wrench with 6" long shank and closed grip handle.

PART

42 102

SIZE

Overall length: 580mm
Speed: 3,500 RPM
Max. torque: 1800 Ft/Lbs
Rec.air pressure: 90-115 PSI
Air inlet: 1/2" NPT
Hose size: 1/2" ID
Weight: 24.5 lbs
ISSA # 59 01 06



PNEUMATIC RATCHET WRENCH

1/2" dr. air ratchet.

PART

42 114

DESCRIPTION

Overall length: 265mm
Speed: 160 RPM
Air Inlet: 1/4" NPT
Hose size: 3/8" ID
Air pressure: 90 PSI
Weight: 3 lbs.



PNEUMATIC DIE GRINDER

PART

42 220

DESCRIPTION

1/4" Collet
Overall length: 180mm
Speed: 22,000 RPM
Air Inlet: 1/4" NPT
Hose size: 3/8" ID
Weight: 1.6 lbs.
ISSA # 59 03 26



42 222

Extended model, 1/4" Collet
OL: 255 mm
Speed: 22,000 RPM
Air inlet: 1/4" NPT
Hose size: 3/8" ID
Weight: 2.0 lbs.



PNEUMATIC DIE GRINDER KIT

16-pc. die grinder tool kit in blow case.

PART

42 221

DESCRIPTION

1/4" Die grinder
1 Pc Collet 3mm
10 Pc Mounted stone
2 Pc Spanner
1 Pc Nipple
Weight: 2.6 lbs.

PNEUMATIC TOOLS



4" PNEUMATIC ANGLE GRINDER "TRU"

PART #
42 109

DESCRIPTION

O.L.: 230mm
Speed: 11,000 RPM
Spindle: M10 x 1.5
Air inlet: 1/4" NPT
Hose size: 3/8" ID
Weight: 5 lbs.

ISSA # 59 03 01

42 116

Backing pad 115mm x 10x1.5



7" PNEUMATIC ANGLE GRINDER

PART #
42 108

DESCRIPTION

Overall length: 340mm
Speed: 7,000 RPM
Spindle: 5/8"-11
Air inlet: 3/8" NPT
Hose size: 3/8" ID
Weight: 9 lbs.

ISSA # 59 03 02

42 117

Backing pad 180mm x 5/8"-11



PNEUMATIC BARREL PUMP

Pump can be directly inserted into a barrel and screwed onto the bung with the provided brass Bung Adapter. Supplied without hose.

PART
42 123

DESCRIPTION

Tube dia. 55 mm, length 44"
Hose outlet: 3/4" R
Weight: 12 lbs.

ISSA 59 16 51

PNEUMATIC TOOLS**3/8" DR. PNEUMATIC HAND DRILL****PART #****42 105****DESCRIPTION**

Overall length: 175mm
 Speed: 2,200 RPM
 Spindle thread: 3/8"-24
 Air inlet: 1/4" NPT
 Hose size: 3/8" ID
 Air pressure: 90 PSI
 Weight: 2.5 lbs.

ISSA # 59 03 42**1/2" DR. PNEUMATIC HAND DRILL**

Reversible drill with side handle.

PART #**42 106****DESCRIPTION**

Overall length: 200mm
 Speed: 750 RPM
 Spindle thread: 3/8"-24
 Air inlet: 1/4" NPT
 Hose size: 3/8" ID
 Air pressure: 90 PSI
 Weight: 4 lbs.

ISSA # 59 03 47**3/8" DR. PNEUMATIC ANGLE DRILL****PART #****42 110****DESCRIPTION**

Overall length: 190mm
 Speed: 1,900 RPM
 Spindle thread: 3/8"-24
 Air inlet: 1/4" NPT
 Hose size: 3/8" ID
 Air pressure: 90 PSI
 Weight: 2.5 lbs.

PNEUMATIC TOOLS



AIR BLOW GUN & SET

<u>PART #</u>	<u>DESCRIPTION</u>
42 124	Blow gun w/rubber tip
42 125	5-pc set include 1 blow gun 3 safety extension tubes 1 male tip



PISTOL TYPE AIR BLOW GUN & KIT

Body made of aluminum casting, comfort trigger design. Max. working pressure: 180 PSI

<u>PART #</u>	<u>DESCRIPTION</u>
42 126	Blow gun kit w/2 tubes 5/8" & 4"



PISTOL TYPE AIR BLOW GUN & KIT

Body made of aluminum casting, comfort trigger design. Max. working pressure: 180 PSI

<u>PART #</u>	<u>DESCRIPTION</u>
42 127	Blow gun with 12" tube



RECOIL AIR HOSE 1/4" X 25 FT.

Self-storing design springs back into coiled shape after each use. Lightweight, low-friction nylon construction

<u>PART#</u>	<u>SIZE</u>
42 129	1/4" x 25 ft.

PUNCHES & PUNCH SETS



ARCH PUNCHES

Cast iron steel body with hardened cutting edge. Premium lacquered finish.

<u>PART#</u>	<u>SIZE</u>	<u>PART#</u>	<u>SIZE</u>	<u>PART#</u>	<u>SIZE</u>
40 887	3mm	40 905	16mm	40 918	29mm
40 888	4mm	40 906	17mm	40 919	30mm
40 889	5mm	40 907	18mm	40 920	31mm
40 895	6mm	40 908	19mm	40 921	32mm
40 896	7mm	40 909	20mm	40 922	33mm
40 897	8mm	40 910	21mm	40 923	34mm
40 898	9mm	40 911	22mm	40 924	36mm
40 899	10mm	40 912	23mm	40 925	38mm
40 900	11mm	40 913	24mm	40 926	40mm
40 901	12mm	40 914	25mm	40 927	45mm
40 902	13mm	40 915	26mm	40 928	50mm
40 903	14mm	40 916	27mm	40 929	55mm
40 904	15mm	40 917	28mm	40 930	60mm



HOLLOW PUNCH SETS

Chuck with interchangeable heads in plastic case.

<u>PART #</u>	<u>RANGE</u>	<u>SIZE</u>
40 931	3 - 30mm	15-pc.
40 932	5 - 35mm	13-pc.
40 933	2 - 50mm	29-pc.

PUNCHING TOOL SET W/TABLE

Used for punching holes in soft brass, copper and other soft metals as well as leather, canvas and gasket materials. The set is composed of 16 punching dies ranging in size from 6 to 38mm and a punching table.

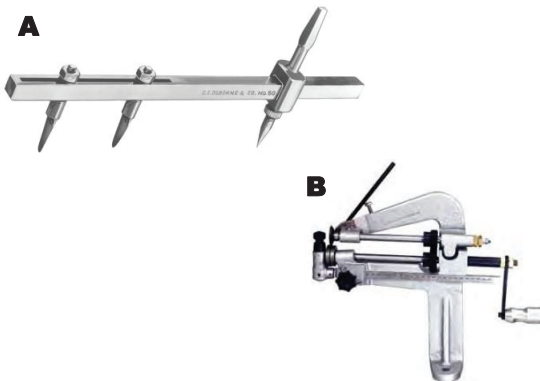
<u>PART #</u>	<u>RANGE</u>	<u>ISSA #</u>
40 934	6-38mm	61 30 56



GASKET & WASHER CUTTER

Designed for cutting gaskets or washers from leather, paper or rubber sheets. Tempered steel.

<u>CODE #</u>	<u>DESCRIPTION</u>	<u>ISSA#</u>
41 172	A: Capacity: 600mm	61 20 01
41 173	Spare blades	
41 159	B: Model GC-42 Capacity: 1050mm Mounts easily on any workbench	
42 258	Spare upper cutter	
42 259	Spare lower cutter	



KNIVES



SAILOR'S MORA KNIVES- S.S.

PART #
41 215

DESCRIPTION
100mm stainless steel blade
with high-friction black/blue
rubber handle and plastic
sheath.



ELECTRICIAN'S KNIFE

PART #
41 210

DESCRIPTION
Stainless steel blade
with natural wood handle.

ISSA # 61 18 51



2-IN-1 FOLDING SPORT UTILITY KNIFE

3" stainless steel blade with serrated rear section
One-touch push button release, soft rubber grip.

PART#
40 065

DESCRIPTION
Utility knife w/sport blade