

3

Air Chisels

AIR CHISEL

- PUNCH SERIES 136
- SCRAPER 137
- CUTTER 139
- HAMMER 143

AIR CHISEL SET 144

INTRODUCTION

In 2004, Tien-I founder Larry and Shaio-Pao, along with 10 partners, established a socket manufacturer in Taichung, Taiwan. They believed the market would value high-quality tools made in Taiwan.

After decades, Tien-I now supplies global clients with over 20,000 items, including socket tool kits, impact sockets, air chisels, tube tools, and automotive tools.

Today, top tool companies from EURO and the United States, plus major industries like aviation, car repair, bike, contrsuction and even solar power, trust Tien-I products. Plus, international Taiwan and Japanese machine makers with their tool needs.

If you seek not just another supplier but a long-term partner committed to quality tool development, Tien-I could be your choice.

SYSTEM CERTIFICATION ISO 9001 SGS
ISO 9001:2015

Intertek
INTERTEK
SUPPLIER QUALIFICATION PROGRAM

MADE IN TAIWAN

D&B

TÜVRheinland
CERTIFIED

台灣精品
TAIWAN EXCELLENCE
2016 / 2023

OUR HAND TOOLS STANDARD

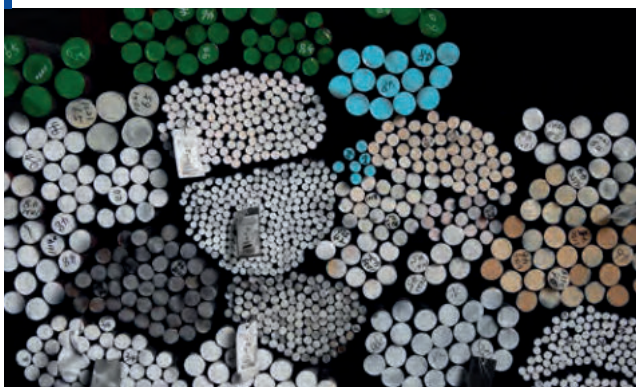
100% Made in Taiwan Hand Tools Manufacturing.

In order to swiftly provide the products to companies all over the world, we are continuously increasing our manufacturing capacity in Taiwan. We have heavily invested in the machines and molds to keep optimizing our production process. Managing our supply chain management via IT and ERP systems enables us to provide our global clients with over 20,000 SKU daily.

1

MATERIAL

Material source is the key to quality. Tien-I is a member of China Steel Corporation (CSC), the leading steel company in Taiwan.



2

FORGING

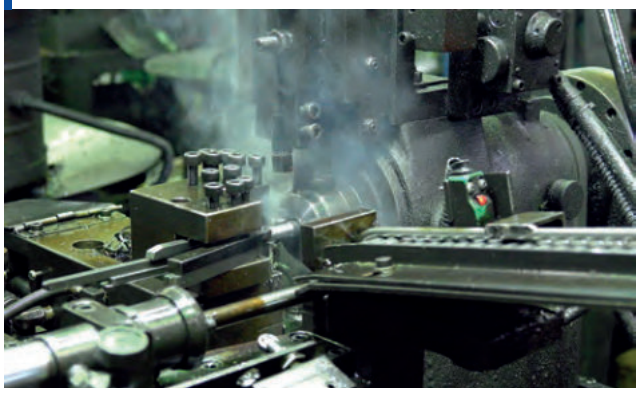
With cold forging, placing, and hot forging, we can supply in time with quality and keep cost competitive.



3

LATHE PROCESSING

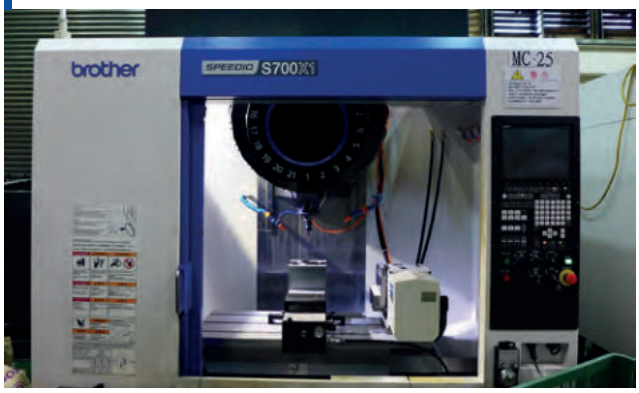
lathe with semi-automatic cutting machine is more suitable for simple shaping.



4

CNC

CNC lathe is using controller to communicate between computer and lathe machine to achieve accurate and large lathe stable production.





5

HEAT-TREATMENT

Treating materials with heat alters its stability and, in some cases, its chemical properties. Suitable heat treatment can strike the perfect balance between cost and longevity.

Tien-I performs three main types of heat treatment:

- Continuous Furnace
- Batch Furnace
- Vacuum Furnace

6

VIBRATING

Vibrating is the key process before plating in order to make the surface smoothly.



7

ELECTROPLATING

Electroplating is to produce a metal coating in order to protect the metal from rusting and to keep it shining.



8

STORAGE AND LOGISTIC

Help our customer store and manage the thousands SKU inventory and arrange the delivery to the market.



LAB EQUIPMENT

We use these equipment to maintain product quality.

SALT SPRAY MACHINE
Salt Spray Machine to test the quality of surface treatment.



TORQUE TEST MACHINE
Torsion Test Machine to test the torque of component.



HARDNESS TEST MACHINE
Hardness test Machine to measure the hardness of componets (HRC).



OPTICAL PROJECTOR
Optical Projector to measure the precise dimension in um level.



MEASURE SPECIFICATION
Measure the spec in different angle and depth by gague and caliper.



GAUGE ALL SIZES
ANSI/ASTM, DIN, or ISO standards.
Size gauges for Hex, STAR, Spline...profiles.



QUALITY REPORTS AND TRACEABILITY

Every shipment is traceable. Upon request, we can provide quality reports tailored for you and your clients. We are dedicated to safeguarding your confidential and sensitive information at all times.



MATERIAL WE USE

We understand that manufacturing quality tools requires the proper materials. That's why we are happy to provide you with the origin and chemical properties certificates of raw materials.
(TEST CERTIFICATE & COO)

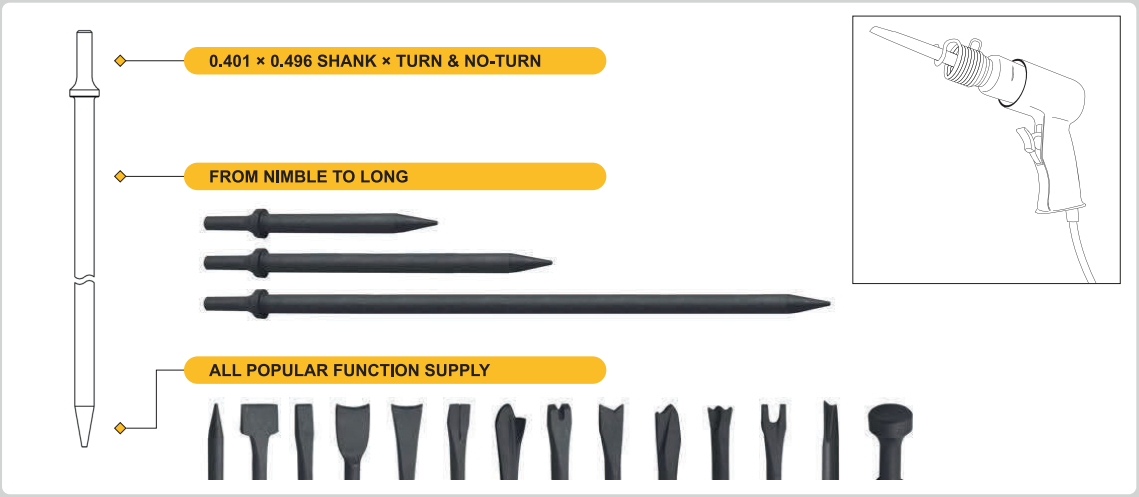
Tien-I has extensive expertise in metal components involving all grades of alloy steels, including 50BV30, SCM440, and SNCM439, S45C, and 8660.

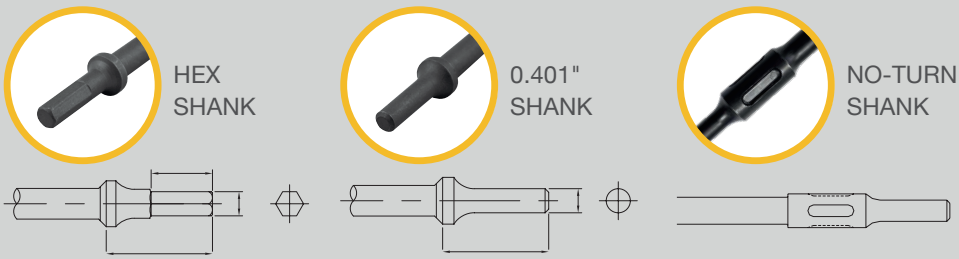
Tien-i

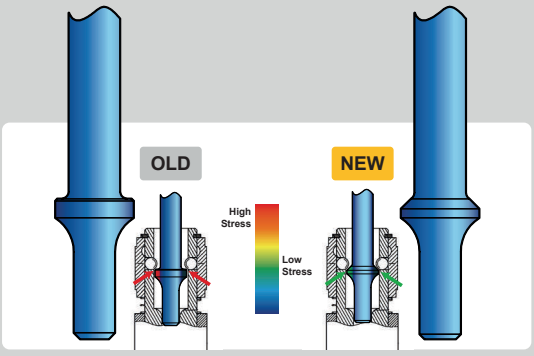
AIR CHISEL

Information

FEATURES

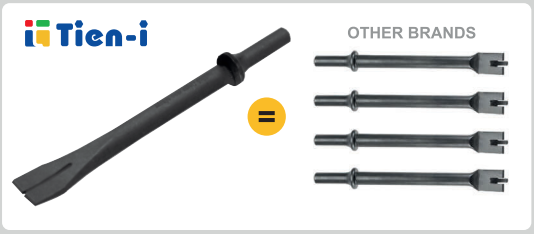






NEW PATENT DESIGN

- Tien-I provides the patent design of air hammer to improve lifetime
- Provides 0.401" and 0.496" shank; hex shank (No-Turn) and round shank (Turn)



UPTO 200% LIFE

- Made from forged and heat-treated CHROME MOLYBDENUM STEEL (CR-MO)
- With a corrosion-resistant black phosphate finish (MANGANIC PHOSPHATE FINISH)
- Customized choices for the surface treatment



CUSTOMIZED CHOICES

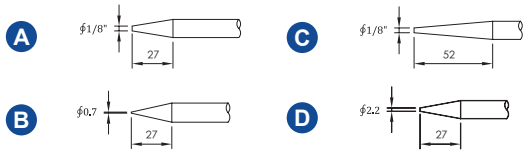
- SURFACE TREATMENT
  From polish to mat, from dark to gray, and color also will be option for every product manager and designer.

AIR CHISEL

PUNCH SERIES

TAPERED PUNCH



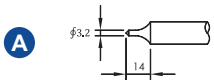


ITEM NO.	Drawing	L (inch)	G
PC120003	A	5"	92
PC165003	A	6-1/2"	143
PC178003	A	7"	137
PC165005	B	6-1/2"	154
PC178004	C	7"	137
PC254003	C	10"	144
PC457003	C	18"	140
PC178006	D	7"	431

>> Drive out pin and rivets

TRUCK BRAKE RIVET PUNCH



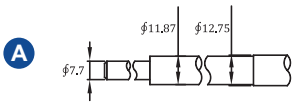


ITEM NO.	Drawing	L (inch)	G
PC152007	A	6"	133

>> Drive out pin and rivets

GUIDER DRIVER



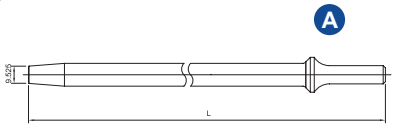


ITEM NO.	Drawing	L (inch)	G
PC152008	A	6"	122

>> Remove and install valve guides

3/8" POINT-TAPER PUNCH, PNEUMATIC STRAIGHT PUNCH





ITEM NO.	Drawing	L (inch)	G
PC152002	A	6"	125
PC457002	A	18"	435

STRAIGHT PUNCH, PNEUMATIC PUNCH (1/2"DIAMETER)



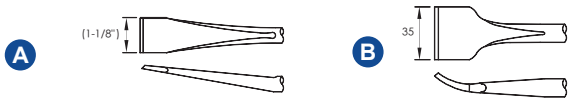


ITEM NO.	Drawing	L (inch)
PC178001	A	7"
PC152001	A	6"

SCRAPER

PNEUMATIC ANGLE SCRAPER

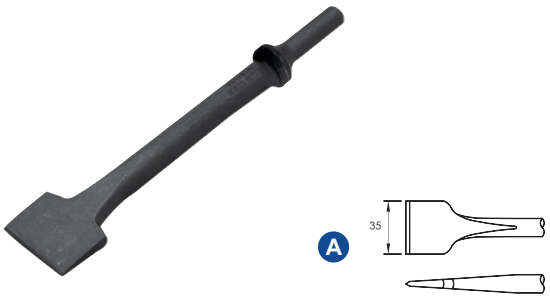




ITEM NO.	Drawing	L (inch)	G
PC202101	A	8"	188
PC457101	A	18"	429
PC178102	B	7"	180

>> Remove gaskets,rust, under cooting and paint

WIDE FLAT CHISEL 35mm



ITEM NO.	Drawing	L (inch)	G
PC178103-35	A	7"	174

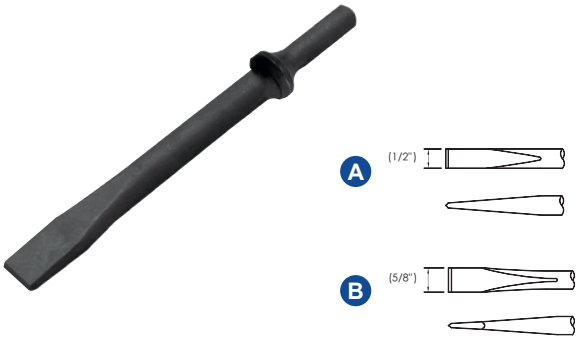
WIDE FLAT CHISEL 40mm



ITEM NO.	Drawing	L (inch)	G
PC178103-40	B	7"	179
PC254103-40	B	10"	268

>> Remove gaskets,rust, under cooting and paint

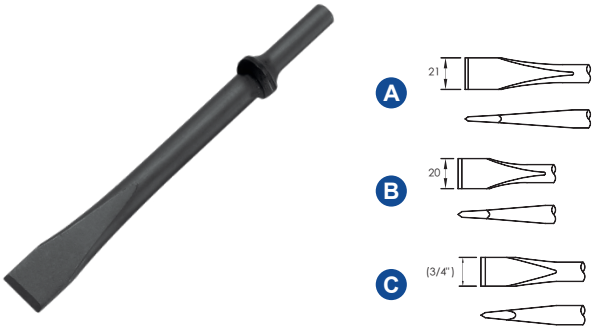
COLD CHISEL



ITEM NO.	Drawing	L (inch)	G
PC165104-16	B	6-1/2"	150
PC178104-13	A	7"	149
PC202104-16	B	8"	186
PC265104-16	B	10-1/2"	249
PC457104-16	B	18"	434

>> Cut nuts, bolts, exraust brackets and frame members

FLAT CHISEL



ITEM NO.	Drawing	L (inch)	G
PC120104-21	A	5"	102
PC178104-21	A	7"	164
PC280104-21	A	11"	263
PC457104-21	A	18"	438
PC254104-20	B	10"	237
PC457104-19	C	18"	439
PC280104-19	C	11"	263
PC150105	C	6"	130

AIR CHISEL

SCRAPER

SPECIAL COLD CHISEL



ITEM NO.	Drawing	L (inch)	G
PC165105	A	6-1/2"	152
PC178105	A	7"	189

CUT-OFF & RIPPING TOOL



ITEM NO.	Drawing	L (inch)	G
PC178106	A	7"	159
PC192106	A	7-1/2"	176

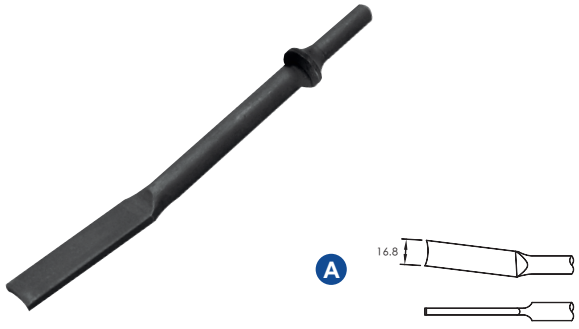
>> For pipe cutting

MUFFLER SPLITTER



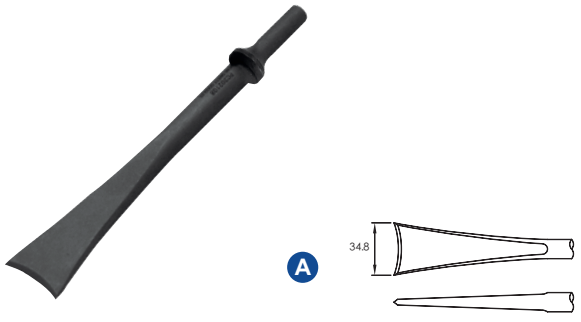
ITEM NO.	Drawing	L (inch)	G
PC178107	A	7"	132

SPLITTER



ITEM NO.	Drawing	L (inch)	G
PC202107-1	A	8"	157

TAIL PIPE CHISEL



ITEM NO.	Drawing	L (inch)	G
PC192108	A	7-1/2"	180

UNDERCOAT SCRAPER (1" TIP)

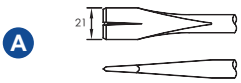


ITEM NO.	Drawing	L (inch)	G
PC171109	A	6-3/4"	150

CUTTER

SPOT WELD CUTTER



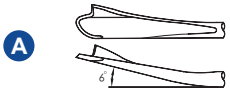


ITEM NO.	Drawing	L (inch)	G
PC178201	A	7"	165
PC192201-1	A	7-1/2"	166

>> Cut weld spots

OUTSIDE MUFFLER CUTTER



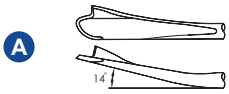


ITEM NO.	Drawing	L (inch)	G
PC202207	A	8"	180

>> Concave cutting edge for the outside muffler job

INSIDE MUFFLER CUTTER



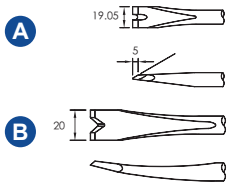


ITEM NO.	Drawing	L (inch)	G
PC202206	A	8"	180

>> Fit inside of muffler

SPOT WELD CUTTER (BUSTER)

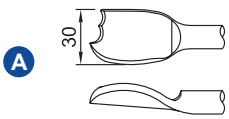




ITEM NO.	Drawing	L (inch)	G
PC152202	A	6"	138
PC178203	B	7"	151

COMBINATION MUFFLER CUTTER

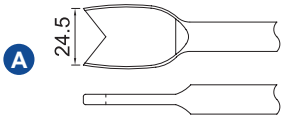




ITEM NO.	Drawing	L (inch)
PC202310	A	8"

SPOT WELD CUTTER





ITEM NO.	Drawing	L (mm)
SCPC192205B	A	192
SCPC202205B	A	202

>> Cut welded spots

AIR CHISEL

SINGLE BLADE PANEL CUTTER

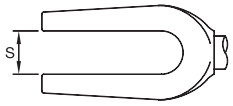




ITEM NO.	Drawing	L (inch)	G
PC120204	A	5"	101
PC178204	A	7"	151
PC152204-1	B	6"	131

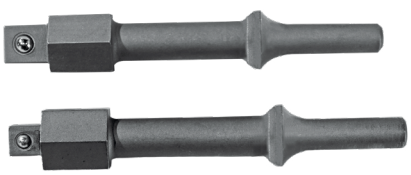
BALL JOINT SEPERATOR

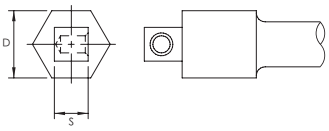




ITEM NO.	S (inch)	S (mm)	Application
SCTSP2B	11/16 (0.69)	17	Shock links and tie rods on many cars and light trucks
SCBJW2B	15/16 (0.94)	24	Ball joints on many cars and light trucks
SC983405	1-1/8 (1.13)	29	Pitman arms on cars and light trucks
SC983406	1-7/16 (1.44)	37	Camber sleeves on Ford trucks with adjustable camber sleeves
SC983407	1-5/8 (1.63)	41	Pitman arms on 1988-newer Chevrolet GMC 1/2 and 3/4 ton 4WD trucks and SUVs

PNEUMATIC BOLT BREAKER, SOCKET ADAPTOR

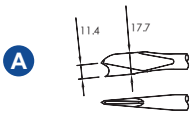




ITEM NO.	L	S	D
ADP-3DR	126	3/8" DR	19
ADP-4DR	126	1/2" DR	19

PANEL CUTTER

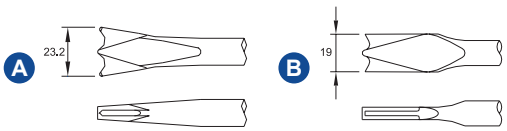




ITEM NO.	Drawing	L (inch)	G
PC165209	A	6-1/2"	150

DOUBLE CUT BODY CUTTER (RIPPER)



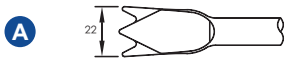


ITEM NO.	Drawing	L (inch)	G
PC152302	A	6-1/2"	147
PCMA152302	B	6"	140

>> Fast clean edge panel cutter

DOUBLE BLADE PANEL CUTTER





ITEM NO.	Drawing	L (inch)	G
PC178303	A	7"	148

DELUX PANEL CUTTER





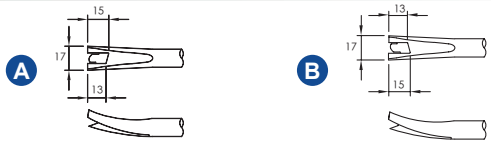
ITEM NO.	Drawing	L (inch)	G
PC140304-1	A	5-1/2"	132
PCMA178304	A	7"	160
PC178304	B	7"	160
PC192304	B	7-1/2"	159

>> Slotted for smooth edge panel cutting and ripping

AIR CHISEL

SLOTTED PANEL CUTTER

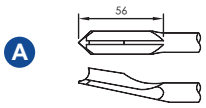




ITEM NO.	Drawing	L (inch)	G
PC152305-1	A	6"	136
PC152305	B	6"	136

MUFFLE AND TAIL PIPE REMOVER



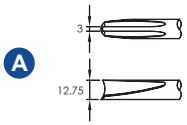


ITEM NO.	Drawing	L (inch)	G
PC202306	A	8"	174

>> Milled cutting edge yields better shear and eliminates damage to inner section of muffler

REMOVING IDLER ARMS AND BUSHINGS





ITEM NO.	Drawing	L (inch)	G
PC165307	A	6-1/2"	142

>> Cut idler arm bushings

CUTTING 5/16" NUTS





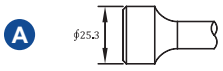
ITEM NO.	Drawing	L (inch)	G
PC152308-8	A	6"	137
PC254308-8	A	10"	234
PC254308-10	B	10"	233
PC457308-10	B	18"	433

>> Remove rusted nuts on shock absorbers and exhaust systems

HAMMER

HAMMER



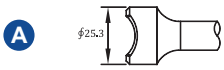


ITEM NO.	Drawing	L (inch)	G
PC090401	A	3-1/2"	122
PC102401	A	4"	145
PC152401	A	6"	160
PC178401	A	7"	102

>> For body forming on fenders, hoods, and panels against a body dolly.
Also hammering operations

TIE ROD SLEEVE BREAKER



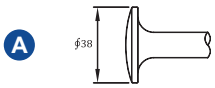


ITEM NO.	Drawing	L (inch)	G
PC102402	A	4"	122
PC112402	A	4-1/2"	146

>> Break sleeve rust and corrosion on tie rod work

HAMMER (DIAMETER BODY SMOOTHER)

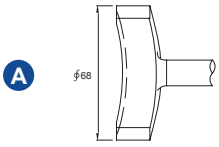




ITEM NO.	Drawing	L (inch)	G
PC114403	A	4-1/2"	142

HAMMER (ARC SMOOTHER)

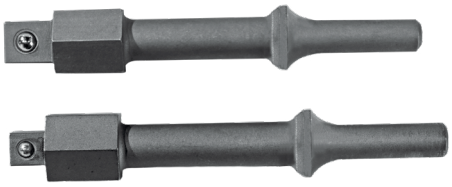




ITEM NO.	Drawing	L (inch)	G
SC107333	A	4	400

AIR CHISEL SET

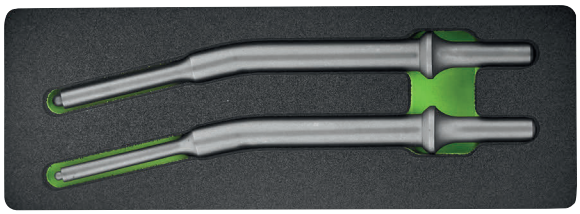
2PC 3/8" & 1/2"DR. PNEUMATIC BOLT BREAKER SET



ITEM NO.	2PC-558

CONTENT
3/8"DR. PNEUMATIC BOLT BREAKER
1/2"DR. PNEUMATIC BOLT BREAKER

2PC PNEUMATIC SETS - HINGE PIN DRIVER



ITEM NO.	2PC-61
BAG	L:225 x W:80 (mm)

CONTENT
6MM PNEUMATIC HINGE PIN DRIVER.(L:7-1/2")
8MM PNEUMATIC HINGE PIN DRIVER.(L:7-1/2")

3PC LONG PNEUMATIC CHISEL SET



ITEM NO.	3PC-112-TRAY
BAG	L:540 x W:115 (mm)

CONTENT
18" COLD CHISEL.(5/8" TIP.)
18" HAMMER.(1" FACE)
18" SCRAPER.(2" TIP.)

4PC CHISEL KIT



ITEM NO.	4PC-13
BAG	280 x 160 x 16 mm
WEIGHT	580.5 (g)

CONTENT	
5" TAPERED PUNCH	PC120003
5" FLAT CHISEL	PC120104-21
7-1/2" SPOT WELD CUTTER	PC192201-1
7-1/2" DELUX PANEL CUTTER	PC192304

4PC CHISEL KIT



ITEM NO.	4PC-13A
BAG	280 x 160 (mm)
WEIGHT	636 (g)

CONTENT	
7" TAPERED PUNCH	PC178004
7" COLD CHISEL	PC178104-21
7" SPOT WELD CUTTER	PC178203
7" DELUX PANEL CUTTER	PC178304

4PC FRONT END PENEUMATIC HAMMER SET



ITEM NO.	4PC-13C
BAG	197 x 330 (mm)
WEIGHT	969 (g)

CONTENT	
4" HAMMER	PC102401
6-1/2" TAPERED PUNCH	PC165005
7" TIE ROD SEPERATOR	PC178208-16
7" BALL JOINT SEPERATOR	PC178208-23

4PC HAMMER ACCESSORY KIT



ITEM NO.	4PC-13D
BAG	165 x 330 (mm)
WEIGHT	670.5 (g)

CONTENT	
6-1/2" COLD CHISEL	PC165104-16
6" SLOTTED PANEL CUTTER	PC152305
6" POINT TAPPER PUNCH	PC152002
8" MULTI PURPOSE SCRAPER	PC202101

4PC AIR CHISEL SET



ITEM NO.	4PC-13T
BAG	L:260 x W:55 (mm)

CONTENT	
7" SPECIAL COLD CHISEL.(5/8" TIP)	SCPC178105B
6-1/2" COLD CHISEL.(5/8" TIP)	SCPC165104-16B
8" MULTI-PURPOSE SCRAPER(1-1/8" TIP.)	SCPC202101B
7" SPOT WELD BUSTER	SCPC178203B

AIR CHISEL SET

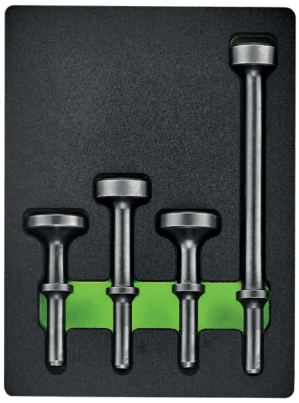
4PC PNEUMATIC SETS - SPECIALTY HAMMER



ITEM NO.	4PC-116
TWO COLOR EVA	L:185 x W:150 (mm)

CONTENT
PNEUMATIC CONCAVE HAMMER (1"xL:6")
PNEUMATIC SMOOTHING HAMMER (1"xL:6")
PNEUMATIC BALL PEEN HAMMER (1"xL:6")
PNEUMATIC U-JOINT / TIE ROD TOOL (L:6")

4PC PNEUMATIC SETS - HAMMER



ITEM NO.	4PC-117
BAG	L:210 x W:150 (mm)

CONTENT
PNEUMATIC HAMMER.(83L)
PNEUMATIC HAMMER.(102L)
PNEUMATIC HAMMER.(83L)
PNEUMATIC HAMMER.(178L)

5PC PNEUMATIC SEPERATING FORK SET



ITEM NO.	5PC-78
BLOW CASE	383 x W:272 (mm)
WEIGHT	5.25 (kg)

CONTENT	
5PC-7" PNEUMATIC SEPERATING FORK	11/16", 15/16", 1-1/8", 1-3/8", 1-5/8"

>> Handle ball joints with minimal shock to the assembly to not damage the vehicle. The separator features a 0.401 parker shank, used to wedge between linkages, knuckles and joints quickly and easily.

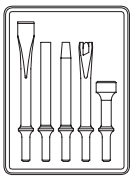
5PC 18" CHISEL SET (0.401" SHANK)



ITEM NO.	5PC-94
PS TRAY	L:500 x W:200 (mm)

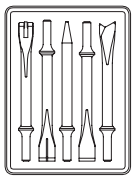
CONTENT	
18" PNEUMATIC 1/8" TAPER PUNCH	PC457003
18" USED FOR CUTTING 3/8" NUTS (3/4" TIP.)	PC457308-10
18" PNEUMATIC COLD CHISEL (5/8" TIP.)	PC457104-16
18" FLAT CHISEL (3/4" TIP.)	PC457104-19
18" FLAT CHISEL (13/16" TIP.)	PC457104-21

5PC CHISEL SET



ITEM NO.	5PC-115B-TRAY
BAG	L:215 x W:160 x H:40 (mm)

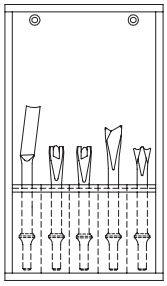
CONTENT	
4" HAMMER.(Φ1")	SCPC102401B
6" SLOTTED PANEL CUTTER	SCPC152305B
6" POINT-TAPER PUNCH.(Φ3/8")	SCPC152002B
6" PNEUMATIC PUNCH.(Φ1/2")	SCPC152001B
7" COLD CHISEL. (13/16" TIP.)	SCPC171104-21B



ITEM NO.	5PC-144-TRAY
BAG	L:215 x W:160 x H:40 (mm)

CONTENT	
7" CLAW RIPPER & PANEL CUTTER	SCPC178304B
7" FLAT CHISEL. (13/16" TIP.)	SCPC178104-21B
7" TAPER PUNCH	SCPC178003B
7" SPOT WELD BUSTER	SCPC178201B
7" SINGLE BLADE PANEL CUTTER	SCPC178204B

5PC AIR CHISEL SET



ITEM NO.	5PC-148
BAG	L:300 x W:250 (mm)

CONTENT	
8" SPLITTUNG TOOL	SCPC202107-1B
6" SHEET METAL TRIMMER PNEUMATIC CHISEL	SCPC152305-1B
6" SLOTTED PANEL CUTTER	SCPC152305B
7" SINGLE BLADE PANEL CUTTER	SCPC178204B
6" DOUBLE CUT BODY RIPPER	SCPC152302B

6PC EXTRA LONG HAMMER DRIFT SET



ITEM NO.	6PC-115

CONTENT	
6PC-EXTRA LONG HAMMER DRIFT SET (L:6-1/2" /165MM)	3/16" (5.2mm)
	1/4" (6.5mm)
	9/32" (6.9mm)
	5/16" (7.7mm)
	3/8" (9.3mm)
	1/2" (12.7mm)

6PC FLAT CHISEL FOR MOTORCYCLE WHEEL SET



ITEM NO.	6PC-116-CD
BLACK BLOW CASE	L:260 x W:160 x H:60 (mm)
WEIGHT	1.4 (kg)

CONTENT	
4PC-FLAT CHISEL FOR MOTORCYCLE WHEEL	28 x 9.5 mm 32 x 11.5 mm 35 x 9.5 mm 35 x 11.5 mm
FLAT CHISEL FOR AIR HAMMER	9.3 mm (164 L) 9.7 mm (266 L)

AIR CHISEL SET

6PC CHISEL SET



ITEM NO.	6PC-19
BAG	305 x 228 mm
WEIGHT	1143 (g)

CONTENT	
7"L, 13/16" FLAT CHISEL	PC178104-21
8" TAILPIPE CUTTER	PC202108
8" MUFFLER CUTTER	PC202306
8" MUFFLER & PIPE CUTTER	PC202310
8" OUTSIDE MUFFLER PIPE CUTTER	PC202207
8" INSIDE MUFFLER PIPE CUTTER	PC202206

7PC STEPPED FORK SET



ITEM NO.	7PC-113
BLOW CASE	L:383 x W:272 mm
WEIGHT	4 (kg)

CONTENT	
HANDLE	
PNEUMATIC DRIVER	
STEPPED FORK	11/16", 15/16", 1-1/8", 1-7/16", 1-5/8"

>> Step Design on the forks ease bouncing back.

8PC CHISEL KIT



ITEM NO.	8PC-08B
BAG	325 x 300 (mm)
WEIGHT	1343 (g)

CONTENT	
8" MUFFLER REMOVAL TOOL	PC202306
7" CUT OFF & RIPPING TOOL	PC178106
7" TAPERED PUNCH	PC178004
7" COLD CHISEL	PC178104-13
7" SPOT WELD BUSTER	PC178201
SINGLE BLADE PANEL CUTTER	PC178204
DELUX PANEL CUTTER	PC178304
WIDE COLD CHISEL	PC178103-40

8PC LONG CHISEL KIT



ITEM NO.	8PC-08A
BAG	325 x 300 (mm)
WEIGHT	1229 (g)

CONTENT	
5" TAPERED PUNCH	PC120003
5" FLAT CHISEL	PC120104-21
5" SINGLE BLADE PANEL CUTTER	PC120204
8" MUFFLER & TAILPIPE REMOVER	PC202306
7-1/2" RIVET REMOVER	PC192201-1
7-1/2" CUT-OFF & RIPPING TOOL	PC192106
7-1/2" SPOT WELD BUSTER	PC192205
7-1/2" DELUX PANEL CUTTER	PC192304

8PC 3/8"DR. SOCKET ADAPTOR AIR CHISEL WITH WRENCH HANDLE SET

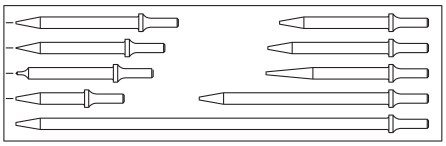


ITEM NO.	8PC-133-LS
BLACK BLOW CASE	L:260 x W:160 x H:60 (mm)
WEIGHT	1.3 (kg)

CONTENT	
3/8"DR. 6PT SPECIAL DEEP IMPACT SOCKETS	8, 9, 10, 11, 12, 13, 14 mm
3/8"DR. SOCKET ADAPTOR AIR CHISEL WITH WRENCH HANDLE	



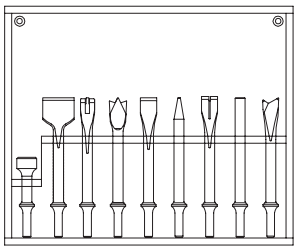
9PC CHISEL SET



ITEM NO.	9PC-131

CONTENT	
5" TAPERED PUNCH	PC120003
6-1/2" TAPER PUNCH	PC165003
7" TAPER PUNCH	PC178003
6-1/2" SHARP POINT TAPER PUNCH PNEUMATIC CHISEL	PC165005
7" TAPERED PUNCH	PC178004
10" TAPERED PUNCH	PC254003
18" PNEUMATIC 1/8" TAPER PUNCH	PC457003
7" TAPERED PUNCH	PC178006
6" TRUCK BRAKE RIVET PUNCH	PC152007

9PC CHISEL SET



ITEM NO.	9PC-162
BAG	L:350 x W:300 (mm)

CONTENT	
7" WIDE FLAT CHISEL.(1-9/16" TIP.)	SCPC178103-40B
7" DELUX PANEL CUTTER	SCPC178304B
7" DOUBLE BLADE PANEL CUTTER	SCPC178303B
7" SPOT WELD BUSTER.(13/16" TIP.)	SCPC178104-21B
7" TAPER PUNCH	SCPC178003B
7" SPOT WELD BUSTER	SCPC178201B
7" PNEUMATIC PUNCH	SCPC178001B
7" SINGLE BLADE PANEL CUTTER	SCPC178204B
4" FACE SMOOTHING HAMMER	SCPC102401B

10PC CHISEL SET



ITEM NO.	10PC-38-TRAY
BAG	L:325 x W:245 x H:40 (mm)

CONTENT	
11 FLAT CHISEL.(13/161 TIP.)	SCPC118104-21B
11 CLAW RIPPER & PANEL CUTTER	SCPC118304B
11 TAPERED PUNCH.(Φ1/81)	SCPC118004B
11 STRAIGHT PUNCH.(Φ1/21)	SCPC118001B
11 DUAL BLADE PANEL CUTTER	SCPC118303B
6-1/21 RIVET CUTTER.(5/81 TIP.)	SCPC165105B
6-1/21 BUSHING SPLITTER	SCPC165301B
81 MUFFLER BUTTER	SCPC202306B
61 NUT SPLITTER.(3/41 TIP.x 5/161)	SCPC152308-8B
3-1/21 HAMMER.(Φ11)	SCPC090401B

AIR CHISEL SET

Information

FEATURES

- Easier to assemble



- designd to screw on the ball joint by the separator nuts and allow to use the air hammer to seperate the ball joint



12PC BALL JOINT SEPARATOR - AIR HAMMER NUT SET

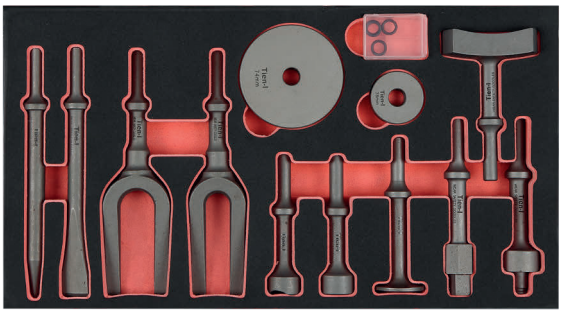
Patent



ITEM NO.	12PC-148
BAG	L:340 x W:150 x H:50 (mm)

CONTENT
HAMMER PUNCH (L:102mm) (AISI 8660V)
11PC-BALL JOINT SEPARATOR - AIR HAMMER NUT: (SCM440) M10xP1.25, M12xP1.25, M12xP1.5, M12xP1.75, M14xP1.5, M14xP2, M16xP1.5, M18xP1.5, M20xP1.5, M24xP1.5, M24xP2

13PC SPECIAL VIBRO CHISEL SET



ITEM NO.	13PC-69A
BLOW CASE	L:383 x W:272 (mm)
WEIGHT	4 (kg)

CONTENT
4" U-JOINT AND TIE ROD TOOL
4"x25mm HAMMER
4-1/2" DIAMETER BODY SMOOTHER HAMMER
7"x ϕ 1/8" TAPER PUNCH
7" COLD CHISEL (13/16" TIP.)
7"x15/16" BALL JOINT SEPERATOR
7"x21/32" TIE ROD SEPERATOR
5"x1/2"DR. ADAPTOR HAMMER
5" ADAPTOR SHAFT HAMMER.74mm LARGE FLAT HAMMER
HAMMER CHISEL
38mm MEDIUM FLAT HAMMER
1SET-(10PCS) SPARE O-RINGS

>> Removes deep rust with vibration. Include pressure plate for adapter for driving out bearings, sleeves, bushings.

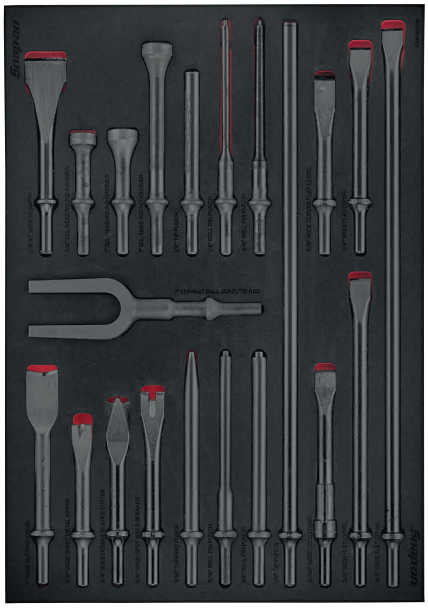
18PC AIR CHISEL SET



ITEM NO.	18PC-39-1
TWO SIDE TYPE BLOW CASE	L:425 x W:320 (mm)
WEIGHT	1.3 (kg)

CONTENT	
COLD CHISEL (5/8" TIP)	PC178104-21
SPOT WELD	PC202108
TAPER PUNCH	PC202306
SLOTTED PANEL CUTTER	PC202310
INSIDE MUFFLER CUTTER	PC202207
OUTSIDE MUFFLER CUTTER	PC202206
TAIL PIPE CHISEL	
RIVET AND BOLT CUTTER (5/8" TIP)	
PNEUMATIC PUNCH (1/2" DIAMETER)	
DOUBLE CUT BODY RIPPER	
PANEL CUTTER	
MUFFLE AND TAILPIPE REMOVER	
COLD CHISEL (5/8" TIP)	
HAMMER	
COLD CHISEL (5/8" TIP)	
MULTI-PURPOSE SCRAPER (1-1/8" TIP)	
PNEUMATIC BALL JOINT WEDGE (0.401" SHANK	
PNEUMATIC TIE ROD SPREADER (0.401" SHANK)	

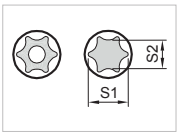
21PC AIR CHISEL SET



ITEM NO.	21PC-51
TWO COLOR EVA	L:489 x W:339 x H:32 (mm)

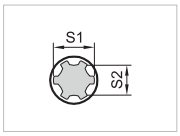
CONTENT
7" RIPPING & CUT OFF TOOL
5-1/2" DELUX PANEL CUTTER (5/8" TIP.)
6" DOUBLE CUT BODY RIPPER (3/4" TIP.)
6" USED FOR CUTTING 5/16" NUTS (3/4" TIP.)
6-1/2" TAPERED PUNCH (Φ3/16")
7" WIDE COLD CHISEL (1-3/8" TIP)
3-7/8" HAMMER U-JOINT NEEDLE TYPE TRUNION DRIVER (Φ7/8")
4" FACE SMOOTHING HAMMER (Φ1")
7" FACE SMOOTHING HAMMER (Φ1")
7" PNEUMATIC PUNCH (Φ1/2")
7" ROLL PIN PUNCH (1/4" TIP.)
7" ROLL PIN PUNCH (5/16" TIP.)
7" ROLL PIN PUNCH (3/8" TIP.)
7" ROLL PIN PUNCH (1/2" TIP.)
18" PNEUMATIC PUNCH (Φ1/2")
6-1/2" COLD CHISEL (5/8" TIP.)
10" FLAT CHISEL (3/4" TIP.)
6-1/2" RIVET & BOLT CUTTER (5/8" TIP.)
6-1/2" FLAT CHISEL (3/4" TIP.)
18" FLAT CHISEL (3/4" TIP.)
7" BALL JOINT SEPERATOR (15/16")

BITS SIZE CHART



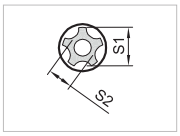
STAR BIT (T/TH)

SIZE	S1 (MM)	S2 (MM)
T6	1.7	1.2
T7	2	1.4
T8	2.3	1.7
T9	2.5	1.8
T10	2.7	2
T15	3.3	2.3
T20	3.9	2.8
T25	4.5	3.2
T27	5	3.6
T30	5.6	4
T40	6.7	4.8
T45	7.9	5.6
T50	8.9	6.2
T55	11.3	8
T60	13.3	9.5
T70	15.6	11.1
T80	17.6	12.7
T90	20	14.2
T100	22.2	15.8



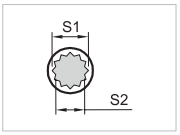
STAR PULS BITS (IP)

SIZE	S1 (MM)	S2 (MM)
6IP	1.7	1.3
7IP	2	1.5
8IP	2.3	1.8
9IP	2.5	1.9
10IP	2.7	2.1
15IP	3.3	2.5
20IP	3.9	3
25IP	4.5	3.4
27IP	5	3.9
30IP	5.6	4.3
40IP	6.7	5.2
45IP	7.9	6.2
50IP	8.9	6.9
55IP	11.3	9
60IP	13.3	10.4
70IP	15.6	12.3
80IP	17.6	13.7
90IP	20	15.7
100IP	22.2	17.5



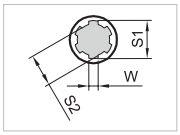
STAR PLUS TAMPER-RESISTANT BITS (IPR)

SIZE	S1 (MM)	S2 (MM)
8IPR	2.2	2
9IPR	2.4	2.2
10IPR	2.6	2.4
15IPR	3.1	2.8
20IPR	3.6	3.3
25IPR	4.1	3.8
27IPR	4.7	4.3
30IPR	5.2	4.8
40IPR	6.3	5.7
45IPR	7.4	6.7
50IPR	8.4	7.6
55IPR	10.6	9.7



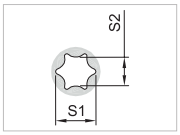
XZN BITS

SIZE	S1 (MM)	S2 (MM)
M4	3.6	3.1
M5	4.8	4.1
M6	6.1	5.1
M8	7.3	6.1
M10	9.7	8.1
M12	11.5	9.7
M14	13.3	11.2
M16	15.7	13.2
M18	16.9	14.2



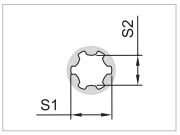
RIBE CV BITS

SIZE	W	S1 (MM)	S2 (MM)
M5	1.2	5	3.8
M6	1.3	6	4.5
M7	1.4	7	5
M8	1.8	8	6
M9	2	9	7.1
M10	2.3	10	7.4
M12	2.6	12	9
M13	3.1	13	11
M14	3.2	14	10.4
M16	3.6	16	11.9



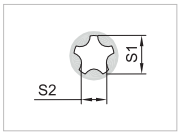
STAR SOCKET (E)

SIZE	S1 (MM)	S2 (MM)
E4	3.7	2.7
E5	4.6	3.3
E6	5.6	4
E7	6.1	4.3
E8	7.4	5.3
E10	9.3	6.8
E11	9.9	7.1
E12	11	7.9
E14	12.8	9.2
E16	14.6	10.5
E18	16.5	11.9
E20	18.3	13.2
E22	20.1	14.8
E24	22	15.7
E26	23.7	17.5
E28	25.5	18.3
E30	27.3	20
E32	29	21.3



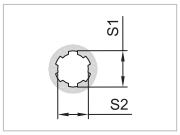
STAR PULS SOCKET (EP/EPL)

SIZE	S1 (MM)	S2 (MM)
4EP	3.7	2.9
5EP	4.6	3.5
6EP	5.6	4.3
7EP	6.1	4.7
8EP	7.4	5.7
10EP	9.3	7.1
11EP	9.9	7.6
12EP	11	8.5
14EP	12.8	9.8
16EP	14.6	11.2
18EP	16.5	12.7
20EP	18.3	14
22EP	20.1	15.4
24EP	22	16.8
26EP	23.7	18.2
28EP	25.5	19.6
30EP	27.3	20.9
32EP	29	22.3



STAR PLUS TAMPER-RESISTENT SOCKET (EPR/EPRL)

SIZE	S1 (MM)	S2 (MM)
10EPR	8.7	8.1
11EPR	9.4	8.6
12EPR	10.4	9.6
14EPR	12.1	11.1
16EPR	13.8	12.7
20EPR	17.3	15.8
22EPR	19	17.4
24EPR	20.7	19
26EPR	22.4	20
28EPR	24.1	22
30EPR	25.7	23.6
32EPR	27.4	25.1



LH-S SOCKET

SIZE	S1 (MM)	S2 (MM)
LH3S	3.8	4.7
LH4S	4.5	6
LH5S	5.6	7.5
LH6S	6.8	9
LH7S	7.9	10.5
LH8S	9	12
LH10S	11.3	15
LH12S	13.6	18
LH14S	15.8	21
LH16S	18.1	24

BITS SHAPE ICON

Pictograms Socket Openings / Bit Shape

ICON	NAME
	FLAT DRIVE (6-POINT)
	FLAT DRIVE (12-POINT)
	SURFACE DRIVE
	SQUARE
	DOUBLE SQUARE
	STAR (E)
	STARPLUS (EP)

ICON	NAME
	LH-STIX (LH-S)
	PHILLIPS
	SLOTTED
	HEXAGON
	PZ
	SQUARE MALE
	STAR (T)

ICON	NAME
	TAMPER-RESISTANT STAR (TH)
	STARPLUS (IP)
	TAMPER-RESISTANT STARPLUS (IPR)
	TRIPLE-SQUARE (XZN)
	TRIPLE-SQUARE WITH HOLE (XZN)
	RIBE-CV
	POLYDRIVE
	DOUBLE-HEXAGON



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TEST TORQUE

DIN ISO 1711-1(minimum guaranteed values) N-m

M	mm	Sockets 6.3	10	12.5	20	25	Box Wrench
		1/4"	3/8"	1/2"	3/4"	1"	
M2	4	10.4					
M2.2	4.5	12.6					
M2.5	5	15.1					
M3	5.5	17.8					14.4
M3.5	6	20.6	23.2				17.6
M4	7	26.8	33.2				25.2
M5	8	33.6	45.5	94.1			34.5
	9	41.1	59.9	119.2			45.4
M6	10	49.1	76.7	147			58.1
M7	11	57.8	96	178			72.7
	12	67	118	212			89.1
M8	13	68.6	141	249			107
	14	68.6	169	288			128
M10	15		198	331			150
	16		225	377			175
	17		225	425			201
M12	18		225	477			230
	19		225	531			261
	20		225	569			294
M14	21		225	569			330
	22		225	569	569		368
	23			569	569		408
M16	24			569	569		451
	25			569	583		496
	26			569	624		544
M18	27			569	665		594
	28			569	707		647
M20	30			569	795		760
M22	32			569	888		884
	34			569	984		1019
M24	36				1084	1677	1165
M27	41				1353	1910	1579
M30	46				1569	2143	2067
M33	50				1569	2329	2512
M36	55				1569	2562	3140
M39	60				1569	2795	
M42	65					2795	
M45	70					2795	
M48	75					2795	
M52	80					2795	
M56	85						
M60	90						
M64	95						

TEST TORQUE

DIN ISO 4762(minimum guaranteed values) N-m

mm	Bit socket 6.3	10	12.5	20	25
	1/4"	3/8"	1/2"	3/4"	1"
1.5					
2	1.9				
2.5	3.8				
3	6.6				
4	16	16	16		
5	30	30	30		
6	52	52	52		
7		78	78		
8	120	120	120		
9			165		
10		220	220		
12			370		
14			590	590	
17			1000	1000	1000
19			1400	1400	1400
22				2100	2100
24					2700

OUR PROMISES

How to Supply Consistent Quality

Providing reliable quality and secure tool is Tien-I core value as the manufacturer. To do so, Tien-I QC team have attended SGS training program. Tien-I products are fully up to DIN, ISO, and ANSI/ASTM international standards.

Seeing is believing. Welcome to visit our factory and meet our QC. Team.

Environmental Friendly Plating

The surface treatment improve durability and appearance. However, the traditional plating may cause serious environmental issue.

We hope to supply the products with quality as well as green. That's why Tien-I choose the qualified plating factories complying with the government environmental regulation and international ROHS requirements.

Material Quality

Right material is critical for quality tool and that’s why we can offer the origin and chemical properties certificates of raw material for you. Tien-I has extensive expertise in metal components involving all grades of alloy steels, such as 50BV30, SCM440, and SNCM439, S45C, 8660…etc.

The material source is key. Tien-I is the member of China Steel Corporation (CSC), the largest and highest quality steel company in Taiwan. We also cooperated with other excellent international steel companies including Nippon Steel Corporation in order to provide special alloy steel for your various designs.

中鋼公司

新日本製鐵株式會社
NIPPON STEEL

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