



A Comprehensive Line of Quality Hand Tools

**a reliable craft arm**





A Comprehensive Line of Quality Hand Tools



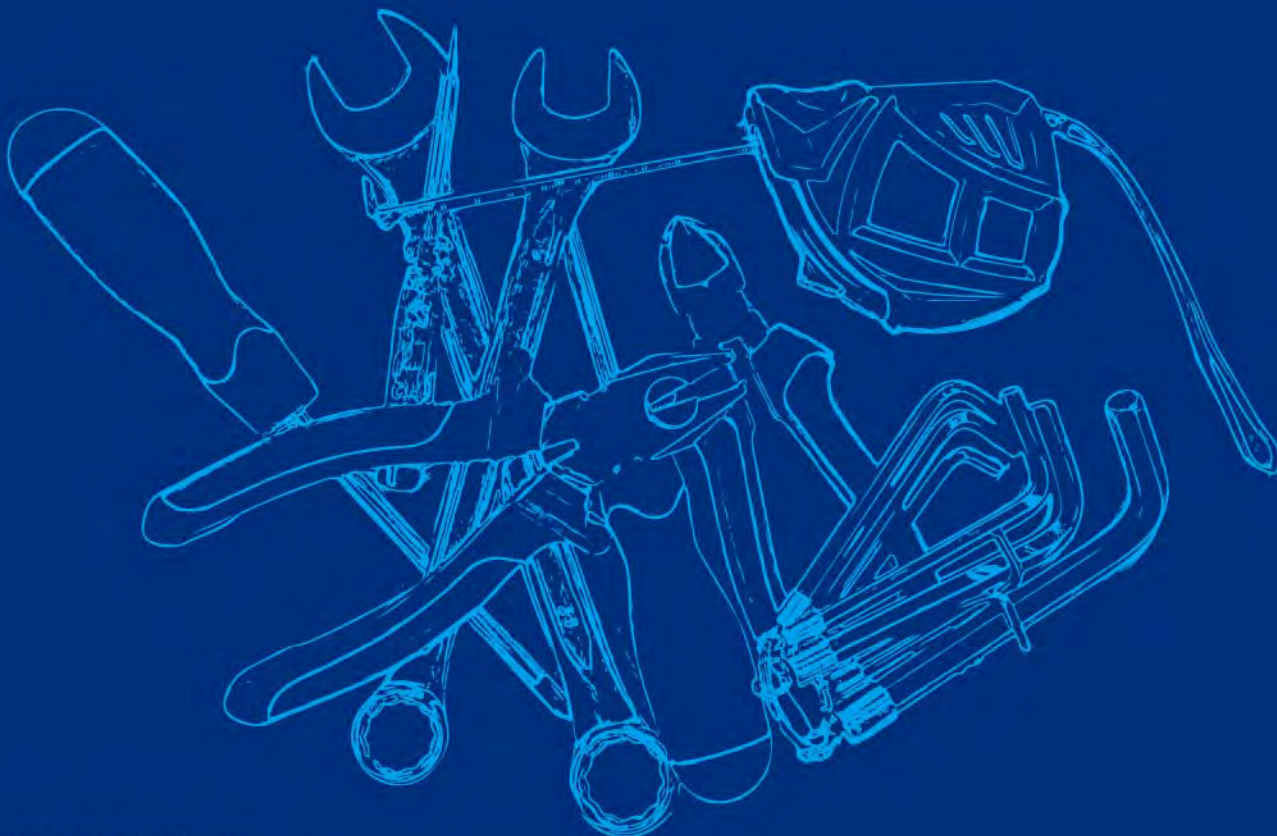
# ABOUT US

ARK Tools International Corp. is co-founded by eight renowned hand tool manufacturers in Taiwan. We offer a full package of hand tools for the industry of auto repair, construction and home improvement under the brand name **arca**. **arca** tools are 100% genuinely made in Taiwan, a guarantee of high quality and product innovations.

**arca** is a major brand of high quality hand tools. Focused on market research, unique design combined with quality manufacturing, selective distribution channels and strategic partners, all contribute to a great success across South East Asia, in the middle East and on the African continent. ARK Tools continuously provides the industry with new and innovative tool designs, exclusively designed under the **arca** brand.

**arca** products are distributed in selected countries through carefully chosen partners, retailers, and specialty stores. Our selection strategies are designed to intergrate maximum effectiveness, quality of service and fast market impact.

Furthermore, ARK's development team implements meticulous manufacturing quality inspections during all production phases, and has developed manufacturing strategies to keep ARK competitive and quick to the market.



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# Sockets



## EASY-on

OGK ratchet handle

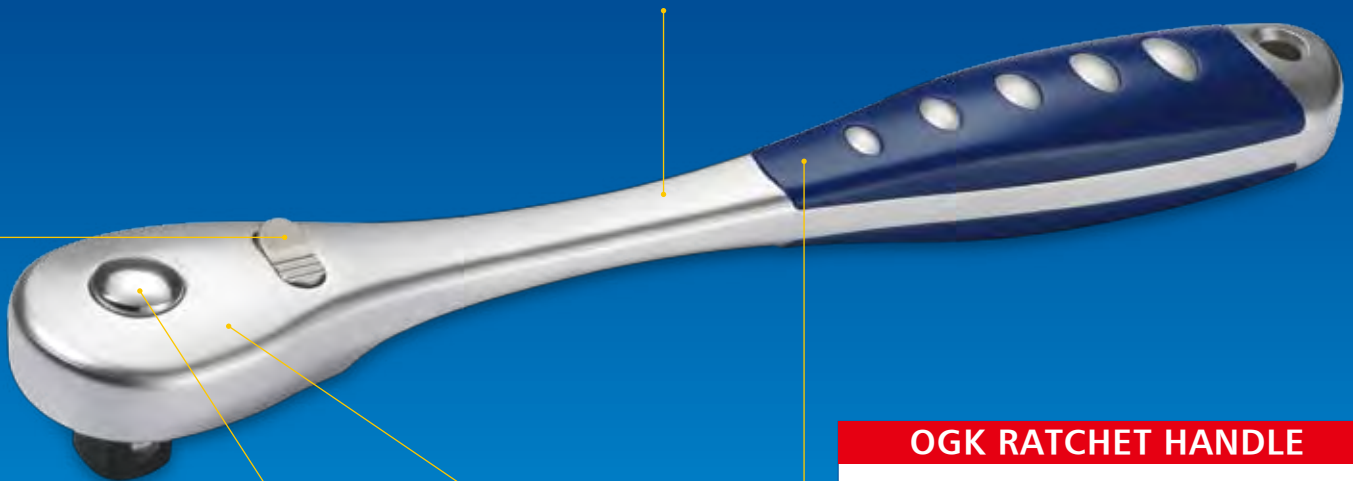


### Precise Process with CNC Machine

In order to form the concentricity and reach the maximum torque, synchronized turning the whole handle by CNC machine

### Forged with High Grade Material

- made of high grade Chrome Vanadium Steel
- enable to apply more torque



### OGK RATCHET HANDLE

| Item No.    | Drive Size | Overall Length (mm) |
|-------------|------------|---------------------|
| 00310-27201 | 1/4" DR.   | 130                 |
| 00310-37201 | 3/8" DR.   | 200                 |
| 00310-47201 | 1/2" DR.   | 260                 |



#### Simple but Effective Switch

- easy to reverse the driver
- (switch) patented

#### Neat Head Design

- Keep the dirt and contaminants out of the mechanism



#### Intrinsically Safe Push Button

Socket is intrinsically wedged and not fallen, unless the button is pushed to release socket



#### More Powerful and Durable

- 72 teeth
- each turn supply 11 teeth contacting with gear
- provide more strength and durability



#### Ergonomic Handle Design

- whole ratchet streamline shape design
- offer comfortable holding on every position
- easily & smoothly moving from handle to every position
- offer commodious using in every situation
- offer satisfied feeling by any posture

## OVAL TYPE RATCHET HANDLE



- Fine burr-free blanking process alloy lid with heat treatment.
- Warm drop forged high quality SNCM steel gear. with CNC trimming square drive and synchronized punching holes.
- Handle made of high grade Chrome Vanadium Steel.
- Meet DIN and ANSI standard.
- With quick release function.

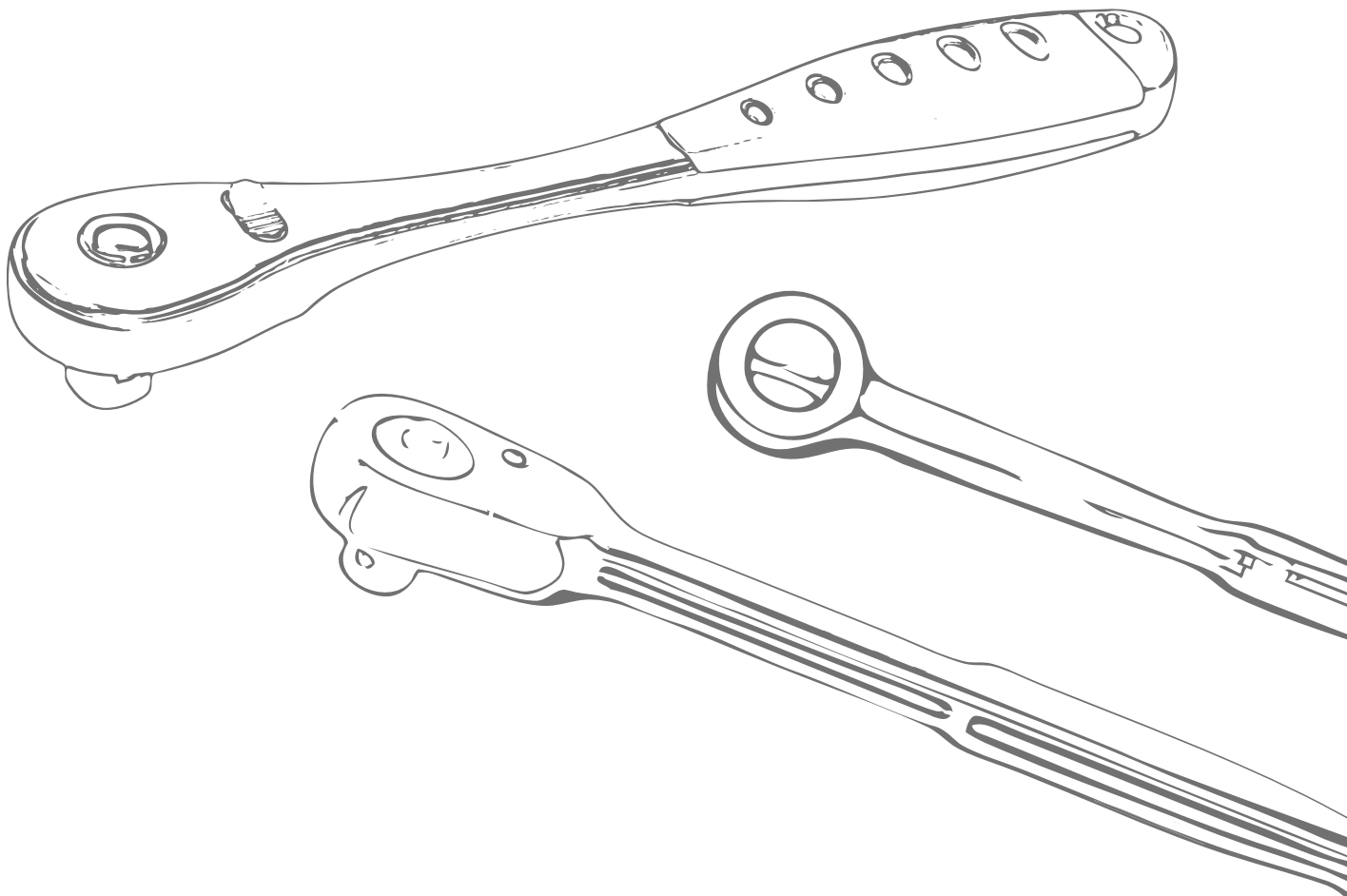
| Item No.    | Drive Size | Overall Length (mm) |
|-------------|------------|---------------------|
| 00301-23603 | 1/4" DR.   | 120                 |
| 00301-33603 | 3/8" DR.   | 200                 |
| 00301-43603 | 1/2" DR.   | 250                 |
| 00301-63613 | 3/4" DR.   | 620                 |

## ROUND TYPE RATCHET HANDLE



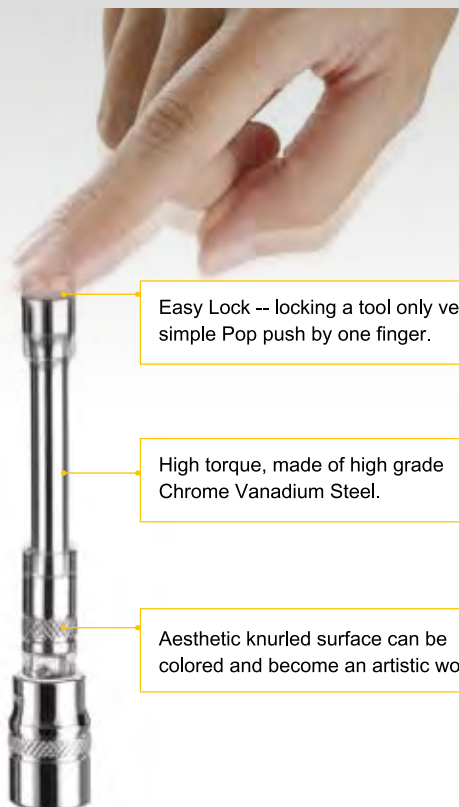
- Handle made of high grade Chrome Vanadium Steel.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Overall Length (mm) |
|-------------|------------|---------------------|
| 00300-23603 | 1/4" DR.   | 120                 |
| 00300-33603 | 3/8" DR.   | 200                 |
| 00300-43603 | 1/2" DR.   | 250                 |
| 00300-63603 | 3/4" DR.   | 620                 |



# POP-ON

## locking extension bars



Easy Lock -- locking a tool only very simple Pop push by one finger.

High torque, made of high grade Chrome Vanadium Steel.

Aesthetic knurled surface can be colored and become an artistic work.



- Safety locking mechanism, tools are intrinsically wedged and not fallen, unless the locking mechanism is pulled to release a tool.
- Simple operation -- Locking a tool simply with one finger only.
- Sepcial locking mechanism design avoid fingers been pinched.
- Easy to release a tool by pull the lock mechanism.
- Aesthetics--knurled design can be print with various color and become an artistic work.

Non-slipped design on lock mechanism surface, easy to pull and not pinch fingers.

### LOCKING EXTENSION BAR

| Item No.    | Drive Size | Overall Length (mm) |
|-------------|------------|---------------------|
| 00021-20203 | 1/4" DR.   | 65                  |
| 00021-20403 |            | 115                 |
| 00021-20603 |            | 165                 |
| 00021-21003 |            | 265                 |
| 00021-30403 | 3/8" DR.   | 100                 |
| 00021-30703 |            | 175                 |
| 00021-31103 |            | 275                 |
| 00021-40403 | 1/2" DR.   | 105                 |
| 00021-40603 |            | 155                 |
| 00021-41103 |            | 280                 |

## EXTENSION BAR



- CRV steel material.
- Meet DIN and ANSI standard.

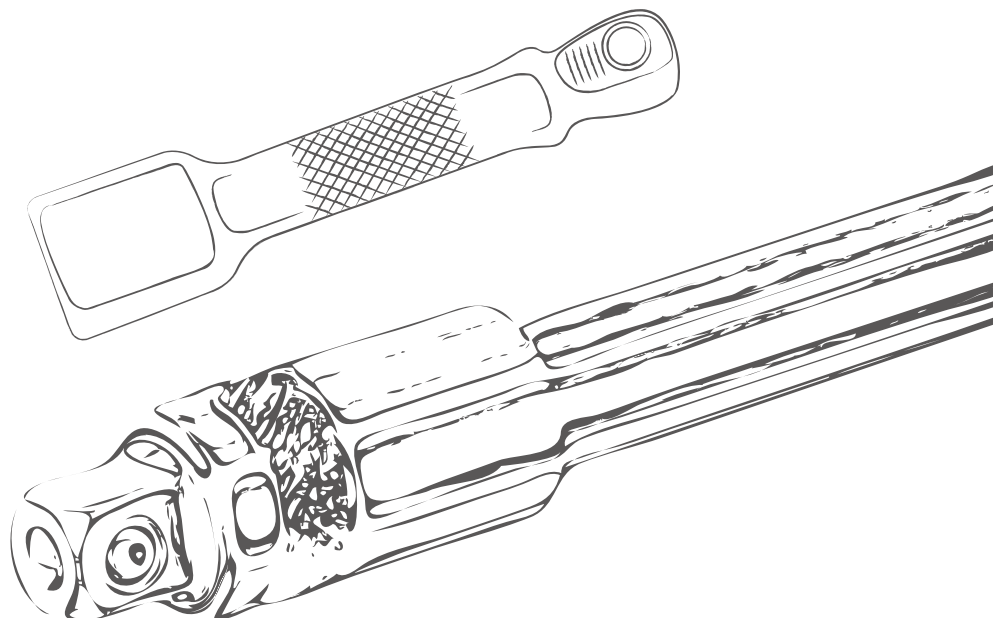
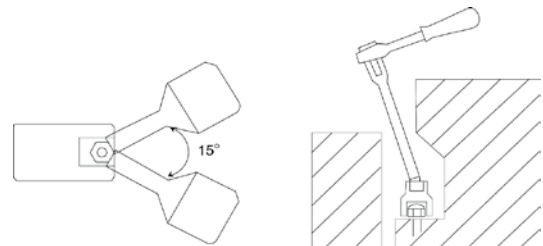
| Item No.    | Drive Size | Overall Length |       |
|-------------|------------|----------------|-------|
|             |            | mm             | inch  |
| 00020-20201 | 1/4" DR.   | 50             | 2"    |
| 00020-20301 |            | 75             | 3"    |
| 00020-20401 |            | 100            | 4"    |
| 00020-20601 |            | 150            | 6"    |
| 00020-30201 | 3/8" DR.   | 45             | 1.75" |
| 00020-30301 |            | 75             | 3"    |
| 00020-30501 |            | 125            | 5"    |
| 00020-30601 |            | 150            | 6"    |
| 00020-30801 |            | 200            | 8"    |
| 00020-31001 |            | 250            | 10"   |
| 00020-31201 | 1/2" DR.   | 300            | 12"   |
| 00020-40301 |            | 75             | 3"    |
| 00020-40501 |            | 125            | 5"    |
| 00020-41001 | 3/4" DR.   | 250            | 10"   |
| 00020-60401 |            | 100            | 4"    |
| 00020-60801 |            | 200            | 8"    |
| 00020-61601 |            | 400            | 16"   |
| 00020-10601 | 1" DR.     | 150            | 6"    |
| 00020-10801 |            | 200            | 8"    |
| 00020-11601 |            | 400            | 16"   |

## WOBBLE EXTENSION BAR



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Overall Length |      |
|-------------|------------|----------------|------|
|             |            | mm             | inch |
| 00022-20203 | 1/4" DR.   | 50             | 2"   |
| 00022-20303 |            | 75             | 3"   |
| 00022-20403 |            | 100            | 4"   |
| 00022-20603 |            | 150            | 6"   |
| 00022-21003 |            | 250            | 10"  |
| 00022-30303 | 3/8" DR.   | 75             | 3"   |
| 00022-30603 |            | 150            | 6"   |
| 00022-31003 |            | 250            | 10"  |
| 00022-31803 |            | 375            | 18"  |
| 00022-40203 | 1/2" DR.   | 50             | 2"   |
| 00022-40303 |            | 75             | 3"   |
| 00022-40503 |            | 125            | 5"   |
| 00022-41003 |            | 250            | 10"  |
| 00022-42003 |            | 500            | 20"  |



## SPINNER HANDLE



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Overall Length |      |
|-------------|------------|----------------|------|
|             |            | mm             | inch |
| 00309-20801 | 1/4"DR.    | 150mm          |      |

## HIGH TORQUE FLEX HANDLE



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Overall Length |      |
|-------------|------------|----------------|------|
|             |            | mm             | inch |
| 00303-31503 | 3/8"DR.    | 380            | 15"  |
| 00303-42403 | 1/2"DR.    | 600            | 24"  |
| 00303-62003 | 3/4"DR.    | 500            | 20"  |
| 00303-12603 | 1"DR.      | 660            | 26"  |

## SPEEDER HANDLE



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Overall Length |      |
|-------------|------------|----------------|------|
|             |            | mm             | inch |
| 00305-31411 | 3/8"DR.    | 350            | 14"  |
| 00305-41611 | 1/2"DR.    | 400            | 16"  |

## SLIDING T HANDLE



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Overall Length |      |
|-------------|------------|----------------|------|
|             |            | mm             | inch |
| 00306-20401 | 1/4"DR.    | 115            | 4.5" |
| 00306-30801 | 3/8"DR.    | 200            | 8"   |
| 00306-41001 | 1/2"DR.    | 250            | 10"  |
| 00306-41201 | 1/2"DR.    | 300            | 12"  |
| 00306-62001 | 3/4"DR.    | 500            | 20"  |
| 00306-12201 | 1"DR.      | 550            | 22"  |

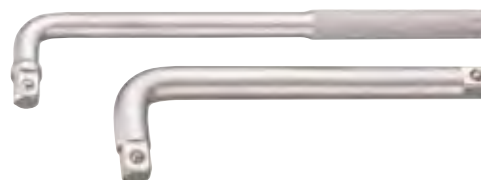
## FLEX HANDLE



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Overall Length |      |
|-------------|------------|----------------|------|
|             |            | mm             | inch |
| 00302-20601 | 1/4"DR.    | 150            | 6"   |
| 00302-30801 | 3/8"DR.    | 200            | 8"   |
| 00302-41001 | 1/2"DR.    | 250            | 10"  |
| 00302-41501 | 1/2"DR."   | 375            | 15"  |
| 00302-41701 | 1/2"DR.    | 425            | 17"  |
| 00302-62001 | 3/4"DR.    | 500            | 20"  |

## L HANDLE



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Overall Length |      |
|-------------|------------|----------------|------|
|             |            | mm             | inch |
| 00308-40801 | 1/2"DR.    | 200            | 8"   |
| 00308-41001 | 1/2"DR.    | 250            | 10"  |
| 00308-41201 | 1/2"DR.    | 300            | 12"  |
| 00308-61201 | 3/4"DR.    | 300            | 12"  |
| 00308-61801 | 3/4"DR.    | 450            | 18"  |

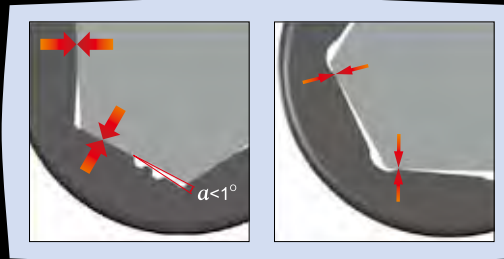


# Sockets

## Xi-sun

### Total Contact Xi-sun Socket

Less than  $\alpha < 1^\circ$  bevel angle design, Total Contact Xi-sun Socket supply a "Line" contact between socket and nut, which protect the nut corner from damaged.



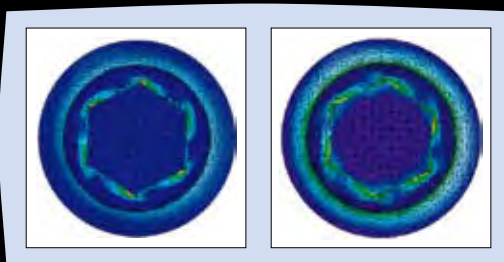
### Conventional Socket

Conventional socket contact the nut with point, it is easily to damage nut corner and become rounded.



### Total Contact Xi-sun Socket

Less green color shows Total contact Xi-sun socket's Line contact reduce both socket and tester-nut stress concentration.



### Conventional Socket

More green color shows both conventional socket and tester-nut bear much more stress concentration.

## Xi-sun vs. 85% Rounded Nut Tester

Total Contact Xi-sun Socket always succeeds in those approximately 85% rounded nuts compared to conventional sockets. The Tester was designed with the aim at experiencing the fine characteristic of Total Contact Xi-sun Socket.

Through the testing in person, you will find Total Contact Xi-sun Socket can easily release those approximately 85% rounded nut while other conventional sockets can loosen those from 30% to 75% rounded nuts. The outstanding of the performance of Total Contact Xi-sun Socket is beyond doubt.



## Xi-σπ STANDARD HAND SOCKET



- CRV steel material.
- Meet DIN and ANSI standard.

| 1/4"DR. 6PTS METRIC STANDARD SOCKETS |           |                     |
|--------------------------------------|-----------|---------------------|
| Item No.                             | Size (mm) | Overall Length (mm) |
| 00157-20403                          | 4         | 25                  |
| 00157-20503                          | 5         | 25                  |
| 00157-20603                          | 6         | 25                  |
| 00157-20703                          | 7         | 25                  |
| 00157-20803                          | 8         | 25                  |
| 00157-20903                          | 9         | 25                  |
| 00157-21003                          | 10        | 25                  |
| 00157-21103                          | 11        | 25                  |
| 00157-21203                          | 12        | 25                  |
| 00157-21303                          | 13        | 25                  |

| 3/8"DR. 6PTS METRIC STANDARD SOCKETS |           |                     |
|--------------------------------------|-----------|---------------------|
| Item No.                             | Size (mm) | Overall Length (mm) |
| 00157-30603                          | 6         | 30                  |
| 00157-30703                          | 7         | 30                  |
| 00157-30803                          | 8         | 30                  |
| 00157-30903                          | 9         | 30                  |
| 00157-31003                          | 10        | 30                  |
| 00157-31103                          | 11        | 30                  |
| 00157-31203                          | 12        | 30                  |
| 00157-31303                          | 13        | 30                  |
| 00157-31403                          | 14        | 30                  |
| 00157-31503                          | 15        | 30                  |
| 00157-31603                          | 16        | 30                  |
| 00157-31703                          | 17        | 30                  |
| 00157-31803                          | 18        | 30                  |
| 00157-31903                          | 19        | 30                  |
| 00157-32003                          | 20        | 30                  |
| 00157-32103                          | 21        | 30                  |
| 00157-32203                          | 22        | 30                  |

| 1/2"DR. 6PTS METRIC STANDARD SOCKETS |           |                     |
|--------------------------------------|-----------|---------------------|
| Item No.                             | Size (mm) | Overall Length (mm) |
| 00157-40803                          | 8         | 38                  |
| 00157-40903                          | 9         | 38                  |
| 00157-41003                          | 10        | 38                  |
| 00157-41103                          | 11        | 38                  |
| 00157-41203                          | 12        | 38                  |
| 00157-41303                          | 13        | 38                  |
| 00157-41403                          | 14        | 38                  |
| 00157-41503                          | 15        | 38                  |
| 00157-41603                          | 16        | 38                  |
| 00157-41703                          | 17        | 38                  |
| 00157-41803                          | 18        | 38                  |
| 00157-41903                          | 19        | 38                  |
| 00157-42003                          | 20        | 38                  |
| 00157-42103                          | 21        | 38                  |
| 00157-42203                          | 22        | 40                  |
| 00157-42303                          | 23        | 40                  |
| 00157-42403                          | 24        | 40                  |
| 00157-42703                          | 27        | 45                  |
| 00157-43003                          | 30        | 45                  |
| 00157-43203                          | 32        | 45                  |

## Xi-σπ DEEP HAND SOCKET



- CRV steel material.
- Meet DIN and ANSI standard.

| 1/4"DR. 6PTS METRIC DEEP SOCKETS |           |                     |
|----------------------------------|-----------|---------------------|
| Item No.                         | Size (mm) | Overall Length (mm) |
| 00257-20403                      | 4         | 50                  |
| 00257-20503                      | 5         | 50                  |
| 00257-20603                      | 6         | 50                  |
| 00257-20703                      | 7         | 50                  |
| 00257-20803                      | 8         | 50                  |
| 00257-20903                      | 9         | 50                  |
| 00257-21003                      | 10        | 50                  |
| 00257-21103                      | 11        | 50                  |
| 00257-21203                      | 12        | 50                  |
| 00257-21303                      | 13        | 50                  |
| 00257-21403                      | 14        | 50                  |

| 3/8"DR. 6PTS METRIC DEEP SOCKETS |           |                     |
|----------------------------------|-----------|---------------------|
| Item No.                         | Size (mm) | Overall Length (mm) |
| 00257-30803                      | 8         | 63                  |
| 00257-30903                      | 9         | 63                  |
| 00257-31003                      | 10        | 63                  |
| 00257-31103                      | 11        | 63                  |
| 00257-31203                      | 12        | 63                  |
| 00257-31303                      | 13        | 63                  |
| 00257-31403                      | 14        | 63                  |
| 00257-31503                      | 15        | 63                  |
| 00257-31603                      | 16        | 63                  |
| 00257-31703                      | 17        | 63                  |
| 00257-31803                      | 18        | 63                  |
| 00257-31903                      | 19        | 63                  |
| 00257-32103                      | 21        | 63                  |

| 1/2"DR. 6PTS METRIC DEEP SOCKETS |           |                     |
|----------------------------------|-----------|---------------------|
| Item No.                         | Size (mm) | Overall Length (mm) |
| 00257-41003                      | 10        | 76.5                |
| 00257-41103                      | 11        | 76.5                |
| 00257-41203                      | 12        | 76.5                |
| 00257-41303                      | 13        | 76.5                |
| 00257-41403                      | 14        | 76.5                |
| 00257-41503                      | 15        | 76.5                |
| 00257-41603                      | 16        | 76.5                |
| 00257-41703                      | 17        | 76.5                |
| 00257-41803                      | 18        | 76.5                |
| 00257-41903                      | 19        | 76.5                |
| 00257-42003                      | 20        | 76.5                |
| 00257-42103                      | 21        | 76.5                |
| 00257-42203                      | 22        | 76.5                |
| 00257-42303                      | 23        | 76.5                |
| 00257-42403                      | 24        | 76.5                |
| 00257-42703                      | 27        | 76.5                |
| 00257-43003                      | 30        | 76.5                |
| 00257-43203                      | 32        | 76.5                |

## STANDARD HAND SOCKET



- CRV steel material.
- Meet DIN and ANSI standard.
- 12pts is available.

| 1/4"DR. 12PTS METRIC STANDARD SOCKETS |           |                     |
|---------------------------------------|-----------|---------------------|
| Item No.                              | Size (mm) | Overall Length (mm) |
| 00156-20401                           | 4         | 25                  |
| 00156-20501                           | 5         | 25                  |
| 00156-20601                           | 6         | 25                  |
| 00156-20701                           | 7         | 25                  |
| 00156-20801                           | 8         | 25                  |
| 00156-20901                           | 9         | 25                  |
| 00156-21001                           | 10        | 25                  |
| 00156-21101                           | 11        | 25                  |
| 00156-21201                           | 12        | 25                  |
| 00156-21301                           | 13        | 25                  |
| 00156-21401                           | 14        | 25                  |

| 3/8"DR. 12PTS METRIC STANDARD SOCKETS |           |                     |
|---------------------------------------|-----------|---------------------|
| Item No.                              | Size (mm) | Overall Length (mm) |
| 00156-30601                           | 6         | 30                  |
| 00156-30701                           | 7         | 30                  |
| 00156-30801                           | 8         | 30                  |
| 00156-30901                           | 9         | 30                  |
| 00156-31001                           | 10        | 30                  |
| 00156-31101                           | 11        | 30                  |
| 00156-31201                           | 12        | 30                  |
| 00156-31301                           | 13        | 30                  |
| 00156-31401                           | 14        | 30                  |
| 00156-31501                           | 15        | 30                  |
| 00156-31601                           | 16        | 30                  |
| 00156-31701                           | 17        | 30                  |
| 00156-31801                           | 18        | 30                  |
| 00156-31901                           | 19        | 30                  |
| 00156-32001                           | 20        | 30                  |
| 00156-32101                           | 21        | 30                  |
| 00156-32201                           | 22        | 30                  |

| 1/2"DR. 12PTS METRIC STANDARD SOCKETS |           |                     |
|---------------------------------------|-----------|---------------------|
| Item No.                              | Size (mm) | Overall Length (mm) |
| 00156-40801                           | 8         | 38                  |
| 00156-40901                           | 9         | 38                  |
| 00156-41001                           | 10        | 38                  |
| 00156-41101                           | 11        | 38                  |
| 00156-41201                           | 12        | 38                  |
| 00156-41301                           | 13        | 38                  |
| 00156-41401                           | 14        | 38                  |
| 00156-41501                           | 15        | 38                  |
| 00156-41601                           | 16        | 38                  |
| 00156-41701                           | 17        | 38                  |
| 00156-41801                           | 18        | 38                  |
| 00156-41901                           | 19        | 38                  |
| 00156-42001                           | 20        | 38                  |
| 00156-42101                           | 21        | 38                  |
| 00156-42201                           | 22        | 40                  |
| 00156-42301                           | 23        | 40                  |
| 00156-42401                           | 24        | 40                  |
| 00156-42701                           | 27        | 45                  |
| 00156-43001                           | 30        | 45                  |
| 00156-43201                           | 32        | 45                  |

## STANDARD HAND SOCKET

| 3/4"DR. 6PTS METRIC STANDARD SOCKETS |      |                |
|--------------------------------------|------|----------------|
| Item No.                             | Size | Overall Length |
|                                      | mm   | mm             |
| 00156-61702                          | 17   | 50             |
| 00156-61802                          | 18   | 50             |
| 00156-61902                          | 19   | 50             |
| 00156-62002                          | 20   | 50             |
| 00156-62102                          | 21   | 50             |
| 00156-62202                          | 22   | 50             |
| 00156-62302                          | 23   | 50             |
| 00156-62402                          | 24   | 51             |
| 00156-62502                          | 25   | 52             |
| 00156-62602                          | 26   | 52             |
| 00156-62702                          | 27   | 52             |
| 00156-62802                          | 28   | 52             |
| 00156-62902                          | 29   | 52             |
| 00156-63002                          | 30   | 54             |
| 00156-63102                          | 31   | 56             |
| 00156-63202                          | 32   | 56             |
| 00156-63302                          | 33   | 56             |
| 00156-63402                          | 34   | 56             |
| 00156-63502                          | 35   | 58             |
| 00156-63602                          | 36   | 58             |
| 00156-63802                          | 38   | 60             |
| 00156-64002                          | 40   | 62             |
| 00156-64102                          | 41   | 64             |
| 00156-64202                          | 42   | 64             |
| 00156-64402                          | 44   | 66             |
| 00156-64602                          | 46   | 68             |
| 00156-64802                          | 48   | 70             |
| 00156-65002                          | 50   | 72             |
| 00156-65402                          | 54   | 74             |
| 00156-65502                          | 55   | 76             |
| 00156-65802                          | 58   | 78             |
| 00156-66002                          | 60   | 78             |

| 1"DR. 6PTS METRIC STANDARD SOCKETS |      |                |
|------------------------------------|------|----------------|
| Item No.                           | Size | Overall Length |
|                                    | mm   | mm             |
| 00156-13502                        | 35   | 61             |
| 00156-13602                        | 36   | 65             |
| 00156-13802                        | 38   | 65             |
| 00156-14102                        | 41   | 70             |
| 00156-14602                        | 46   | 75             |
| 00156-15002                        | 50   | 75             |
| 00156-15402                        | 54   | 80             |
| 00156-15502                        | 55   | 80             |
| 00156-15802                        | 58   | 80             |
| 00156-16002                        | 60   | 84             |
| 00156-16302                        | 63   | 87             |
| 00156-16502                        | 65   | 87             |
| 00156-16702                        | 67   | 90             |
| 00156-17002                        | 70   | 93             |
| 00156-17102                        | 71   | 93             |
| 00156-17502                        | 75   | 97             |
| 00156-17702                        | 77   | 103            |
| 00156-18002                        | 80   | 103            |

## DEEP HAND SOCKET



- CRV steel material.
- Meet DIN and ANSI standard.
- 12pts is available.

| 1/4"DR. 6PTS METRIC DEEP SOCKETS |           |                     |
|----------------------------------|-----------|---------------------|
| Item No.                         | Size (mm) | Overall Length (mm) |
| 00256-20401                      | 4         | 50                  |
| 00256-20501                      | 5         | 50                  |
| 00256-20601                      | 6         | 50                  |
| 00256-20701                      | 7         | 50                  |
| 00256-20801                      | 8         | 50                  |
| 00256-20901                      | 9         | 50                  |
| 00256-21001                      | 10        | 50                  |
| 00256-21101                      | 11        | 50                  |
| 00256-21201                      | 12        | 50                  |
| 00256-21301                      | 13        | 50                  |
| 00256-21401                      | 14        | 50                  |

| 3/8"DR. 6PTS METRIC DEEP SOCKETS |           |                     |
|----------------------------------|-----------|---------------------|
| Item No.                         | Size (mm) | Overall Length (mm) |
| 00256-30801                      | 8         | 63                  |
| 00256-30901                      | 9         | 63                  |
| 00256-31001                      | 10        | 63                  |
| 00256-31101                      | 11        | 63                  |
| 00256-31201                      | 12        | 63                  |
| 00256-31301                      | 13        | 63                  |
| 00256-31401                      | 14        | 63                  |
| 00256-31501                      | 15        | 63                  |
| 00256-31601                      | 16        | 63                  |
| 00256-31701                      | 17        | 63                  |
| 00256-31801                      | 18        | 63                  |
| 00256-31901                      | 19        | 63                  |
| 00256-32101                      | 21        | 63                  |

| 1/2"DR. 6PTS METRIC DEEP SOCKETS |           |                     |
|----------------------------------|-----------|---------------------|
| Item No.                         | Size (mm) | Overall Length (mm) |
| 00256-41001                      | 10        | 76.5                |
| 00256-41101                      | 11        | 76.5                |
| 00256-41201                      | 12        | 76.5                |
| 00256-41301                      | 13        | 76.5                |
| 00256-41401                      | 14        | 76.5                |
| 00256-41501                      | 15        | 76.5                |
| 00256-41601                      | 16        | 76.5                |
| 00256-41701                      | 17        | 76.5                |
| 00256-41801                      | 18        | 76.5                |
| 00256-41901                      | 19        | 76.5                |
| 00256-42001                      | 20        | 76.5                |
| 00256-42101                      | 21        | 76.5                |
| 00256-42201                      | 22        | 76.5                |
| 00256-42301                      | 23        | 76.5                |
| 00256-42401                      | 24        | 76.5                |
| 00256-42701                      | 27        | 76.5                |
| 00256-43001                      | 30        | 76.5                |
| 00256-43201                      | 32        | 76.5                |

| 3/4"DR. 6PTS METRIC DEEP SOCKETS |           |                     |
|----------------------------------|-----------|---------------------|
| Item No.                         | Size (mm) | Overall Length (mm) |
| 00256-61902                      | 19        | 90                  |
| 00256-62002                      | 20        | 90                  |
| 00256-62102                      | 21        | 90                  |
| 00256-62202                      | 22        | 90                  |
| 00256-62402                      | 24        | 90                  |
| 00256-62602                      | 26        | 90                  |
| 00256-62702                      | 27        | 90                  |
| 00256-62802                      | 28        | 90                  |
| 00256-62902                      | 29        | 90                  |
| 00256-63002                      | 30        | 90                  |
| 00256-63202                      | 32        | 90                  |
| 00256-63402                      | 34        | 90                  |
| 00256-63502                      | 35        | 90                  |
| 00256-63602                      | 36        | 90                  |
| 00256-63802                      | 38        | 90                  |
| 00256-64102                      | 41        | 90                  |
| 00256-64602                      | 46        | 90                  |
| 00256-65002                      | 50        | 90                  |
| 00256-65502                      | 55        | 90                  |
| 00256-66002                      | 60        | 90                  |

## STAR DEEP HAND SOCKETS

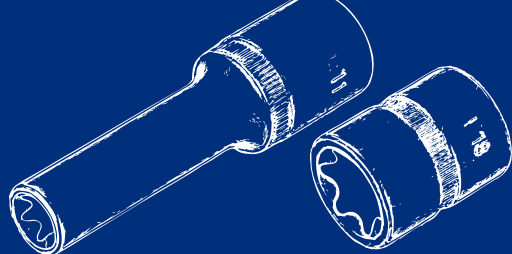


- CRV steel material.
- Meet DIN and ANSI standard.

| 1/4"DR. STAR DEEP HAND SOCKETS |      |                     |
|--------------------------------|------|---------------------|
| Item No.                       | Size | Overall Length (mm) |
| 00203-20401                    | E4   | 50                  |
| 00203-20501                    | E5   | 50                  |
| 00203-20601                    | E6   | 50                  |
| 00203-20701                    | E7   | 50                  |
| 00203-20801                    | E8   | 50                  |
| 00203-21001                    | E10  | 50                  |

| 3/8"DR. STAR DEEP HAND SOCKETS |      |                     |
|--------------------------------|------|---------------------|
| Item No.                       | Size | Overall Length (mm) |
| 00203-30401                    | E4   | 63                  |
| 00203-30501                    | E5   | 63                  |
| 00203-30601                    | E6   | 63                  |
| 00203-30701                    | E7   | 63                  |
| 00203-30801                    | E8   | 63                  |
| 00203-31001                    | E10  | 63                  |
| 00203-31101                    | E11  | 63                  |
| 00203-31201                    | E12  | 63                  |
| 00203-31401                    | E14  | 63                  |
| 00203-31601                    | E16  | 63                  |
| 00203-31801                    | E18  | 63                  |

| 1/2"DR. STAR DEEP HAND SOCKETS |      |                     |
|--------------------------------|------|---------------------|
| Item No.                       | Size | Overall Length (mm) |
| 00203-41001                    | E10  | 76.5                |
| 00203-41201                    | E12  | 76.5                |
| 00203-41401                    | E14  | 76.5                |
| 00203-41601                    | E16  | 76.5                |
| 00203-41801                    | E18  | 76.5                |
| 00203-42001                    | E20  | 76.5                |



## STAR STANDARD HAND SOCKETS



- CRV steel material.
- Meet DIN and ANSI standard.

| 1/4"DR. STAR STANDARD HAND SOCKETS |      |                     |
|------------------------------------|------|---------------------|
| Item No.                           | Size | Overall Length (mm) |
| 00103-20401                        | E4   | 25                  |
| 00103-20501                        | E5   | 25                  |
| 00103-20601                        | E6   | 25                  |
| 00103-20701                        | E7   | 25                  |
| 00103-20801                        | E8   | 25                  |
| 00103-21001                        | E10  | 25                  |
| 00103-21101                        | E11  | 25                  |

| 3/8"DR. STAR STANDARD HAND SOCKETS |      |                     |
|------------------------------------|------|---------------------|
| Item No.                           | Size | Overall Length (mm) |
| 00103-30501                        | E5   | 28                  |
| 00103-30601                        | E6   | 28                  |
| 00103-30701                        | E7   | 28                  |
| 00103-30801                        | E8   | 28                  |
| 00103-31001                        | E10  | 28                  |
| 00103-31101                        | E11  | 28                  |
| 00103-31201                        | E12  | 28                  |
| 00103-31401                        | E14  | 28                  |
| 00103-31601                        | E16  | 28                  |
| 00103-31801                        | E18  | 28                  |

| 1/2"DR. STAR STANDARD HAND SOCKETS |      |                     |
|------------------------------------|------|---------------------|
| Item No.                           | Size | Overall Length (mm) |
| 00103-41001                        | E10  | 38                  |
| 00103-41101                        | E11  | 38                  |
| 00103-41201                        | E12  | 38                  |
| 00103-41401                        | E14  | 38                  |
| 00103-41601                        | E16  | 38                  |
| 00103-41801                        | E18  | 38                  |
| 00103-42001                        | E20  | 38                  |
| 00103-42401                        | E24  | 38                  |

## SPARK PLUG SOCKETS (RUBBER INSERT)



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Size |        | Length |
|-------------|------------|------|--------|--------|
|             |            | mm   | inch   | mm     |
| 00104-31001 | 3/8"DR.    | 16   | 5/8"   | 65     |
| 00104-31201 |            | 19   | 3/4"   | 65     |
| 00104-31301 |            | 21   | 13/16" | 65     |
| 00104-41001 | 1/2"DR.    | 16   | 5/8"   | 65     |
| 00104-41201 |            | 19   | 3/4"   | 65     |
| 00104-41301 |            | 21   | 13/16" | 65     |

## UNIVERSAL JOINT



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Overall Length |
|-------------|------------|----------------|
|             |            | mm             |
| 00001-20001 | 1/4"DR.    | 42             |
| 00001-30001 | 3/8"DR.    | 56             |
| 00001-40001 | 1/2"DR.    | 72             |
| 00001-60001 | 3/4"DR.    | 109            |
| 00001-10001 | 1"DR.      | 143            |

## ADAPTER



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | FEMALE Drive Size | MALE Drive Size | Overall Length |
|-------------|-------------------|-----------------|----------------|
|             |                   |                 | mm             |
| 00003-23001 | 1/4"DR.           | 3/8"DR.         | 25             |
| 00003-32001 | 3/8"DR.           | 1/4"DR.         | 27             |
| 00003-34001 | 3/8"DR.           | 1/2"DR.         | 36             |
| 00003-43001 | 1/2"DR.           | 3/8"DR.         | 35             |
| 00003-46002 | 1/2"DR.           | 3/4"DR.         | 45             |
| 00003-64002 | 3/4"DR.           | 1/2"DR.         | 52             |
| 00003-61002 | 3/4"DR.           | 1"DR.           | 48             |
| 00003-16002 | 1"DR.             | 3/4"DR.         | 48             |

## BIT HOLDER



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.    | Drive Size | Hex Size  | Overall Length (mm) |
|-------------|------------|-----------|---------------------|
| 00002-20402 | 1/4"DR.    | 1/4 inch  | 25                  |
| 00002-30402 | 3/8"DR.    | 1/4 inch  | 30                  |
| 00002-30502 | 3/8"DR.    | 5/16 inch | 30                  |
| 00002-31002 | 3/8"DR.    | 10 mm     | 30                  |
| 00002-40402 | 1/2"DR.    | 1/4 inch  | 38                  |
| 00002-40502 | 1/2"DR.    | 5/16 inch | 38                  |
| 00002-41002 | 1/2"DR.    | 10mm      | 38                  |

## BIT HAND SOCKETS



| LONG TYPE HEX BIT SOCKETS |                |                     |
|---------------------------|----------------|---------------------|
| Item No.                  | Size (3/8"DR.) | Overall Length (mm) |
| 00457-30313               | H3             | 150                 |
| 00457-30413               | H4             | 150                 |
| 00457-30513               | H5             | 150                 |
| 00457-30613               | H6             | 150                 |
| 00457-30713               | H7             | 150                 |
| 00457-30813               | H8             | 150                 |
| 00457-31013               | H10            | 150                 |
| 00457-31213               | H12            | 150                 |

## BIT HAND SOCKETS



- CRV steel material and S2 material for the bit.
- Meet DIN and ANSI standard.
- SAE are available 1/4", 3/8", 1/2" DR. on HEX BIT SOCKETS.

### METRIC HEX BIT SOCKETS

| Item No.    | Size (1/4"DR) | Overall Length(mm) |
|-------------|---------------|--------------------|
| 00456-20301 | H3            | 32                 |
| 00456-20401 | H4            | 32                 |
| 00456-20501 | H5            | 32                 |
| 00456-20601 | H6            | 32                 |
| 00456-20801 | H8            | 32                 |
| Item No.    | Size (3/8"DR) | Overall Length(mm) |
| 00456-30301 | H3            | 47                 |
| 00456-30401 | H4            | 47                 |
| 00456-30501 | H5            | 47                 |
| 00456-30601 | H6            | 47                 |
| 00456-30701 | H7            | 47                 |
| 00456-30801 | H8            | 47                 |
| 00456-30901 | H9            | 47                 |
| 00456-31001 | H10           | 47                 |
| 00456-31201 | H12           | 47                 |
| Item No.    | Size (1/2"DR) | Overall Length(mm) |
| 00456-40401 | H4            | 55                 |
| 00456-40501 | H5            | 55                 |
| 00456-40601 | H6            | 55                 |
| 00456-40701 | H7            | 55                 |
| 00456-40801 | H8            | 55                 |
| 00456-41001 | H10           | 55                 |
| 00456-41201 | H12           | 55                 |
| 00456-41401 | H14           | 55                 |
| 00456-41701 | H17           | 55                 |
| 00456-41901 | H19           | 55                 |



### PHILLIPS BIT SOCKETS

| Item No.    | Size (1/4"DR) | Overall Length(mm) |
|-------------|---------------|--------------------|
| 00402-20101 | PH1           | 32                 |
| 00402-20201 | PH2           | 32                 |
| 00402-20301 | PH3           | 32                 |
| 00402-20401 | PH4           | 32                 |
| Item No.    | Size (3/8"DR) | Overall Length(mm) |
| 00402-30101 | PH1           | 47                 |
| 00402-30201 | PH2           | 47                 |
| 00402-30301 | PH3           | 47                 |
| 00402-30401 | PH4           | 47                 |
| Item No.    | Size (1/2"DR) | Overall Length(mm) |
| 00402-40201 | PH2           | 55                 |
| 00402-40301 | PH3           | 55                 |
| 00402-40401 | PH4           | 55                 |



### SLOTTED BIT SOCKETS

| Item No.    | Size (1/4"DR) | Overall Length(mm) |
|-------------|---------------|--------------------|
| 00401-20401 | 0.6 x 4.0 mm  | 32                 |
| 00401-20501 | 1.0 x 5.5 mm  | 32                 |
| 00401-20701 | 1.2 x 7.0 mm  | 32                 |
| 00401-20801 | 1.6 x 8.0 mm  | 32                 |
| Item No.    | Size (3/8"DR) | Overall Length(mm) |
| 00401-30401 | 0.8 x 4.0 mm  | 47                 |
| 00401-30501 | 1.0 x 5.5 mm  | 47                 |
| 00401-30801 | 1.2 x 8.0 mm  | 47                 |
| 00401-31001 | 1.6 x 10.0 mm | 47                 |
| Item No.    | Size (1/2"DR) | Overall Length(mm) |
| 00401-40801 | 1.2 x 8.0 mm  | 55                 |
| 00401-41001 | 1.6 x 10.0 mm | 55                 |
| 00401-41201 | 2.0 x 12.0 mm | 55                 |
| 00401-41401 | 2.5 x 14.0 mm | 55                 |
| 00401-41601 | 2.5 x 16.0 mm | 55                 |



### POZIDRIVE BIT SOCKETS

| Item No.    | Size (1/4"DR) | Overall Length(mm) |
|-------------|---------------|--------------------|
|             | 1/4"DR.       | mm                 |
| 00403-20101 | PZ1           | 32                 |
| 00403-20201 | PZ2           | 32                 |
| 00403-20301 | PZ3           | 32                 |
| 00403-20401 | PZ4           | 32                 |
| Item No.    | Size (3/8"DR) | Overall Length(mm) |
| 00403-30101 | PZ1           | 47                 |
| 00403-30201 | PZ2           | 47                 |
| 00403-30301 | PZ3           | 47                 |
| 00403-30401 | PZ4           | 47                 |
| Item No.    | Size (1/2"DR) | Overall Length(mm) |
| 00403-40201 | PZ2           | 55                 |
| 00403-40301 | PZ3           | 55                 |
| 00403-40401 | PZ4           | 55                 |



### XZN BIT SOCKETS

| Item No.    | Size (1/2"DR) | Overall Length(mm) |
|-------------|---------------|--------------------|
| 00412-40501 | M5            | 55                 |
| 00412-40601 | M6            | 55                 |
| 00412-40801 | M8            | 55                 |
| 00412-41001 | M10           | 55                 |
| 00412-41201 | M12           | 55                 |
| 00412-41401 | M14           | 55                 |



### SQUARE BIT SOCKETS

| Item No.    | Size (1/4"DR) | Overall Length(mm) |
|-------------|---------------|--------------------|
| 00404-20001 | S0            | 32                 |
| 00404-20101 | S1            | 32                 |
| 00404-20201 | S2            | 32                 |
| 00404-20301 | S3            | 32                 |



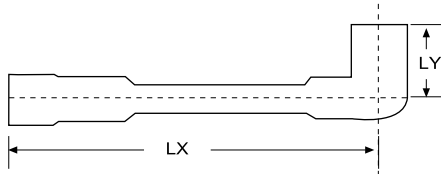
### STAR TAMPER PROOF BIT SOCKETS

| Item No.    | Size (1/4"DR)  | Overall Length(mm) |
|-------------|----------------|--------------------|
| 00408-20801 | T8             | 32                 |
| 00408-20901 | T9             | 32                 |
| 00408-21001 | T10            | 32                 |
| 00408-21501 | T15            | 32                 |
| 00408-22001 | T20            | 32                 |
| 00408-22501 | T25            | 32                 |
| 00408-23001 | T30            | 32                 |
| 00408-24001 | T40            | 32                 |
| Item No.    | Size (3/8"DR)  | Overall Length(mm) |
| 00408-31501 | T15            | 47                 |
| 00408-32001 | T20            | 47                 |
| 00408-32501 | T25            | 47                 |
| 00408-32701 | T27            | 47                 |
| 00408-33001 | T30            | 47                 |
| 00408-34001 | T40            | 47                 |
| 00408-34501 | T45            | 47                 |
| 00408-35501 | T55            | 47                 |
| Item No.    | Size (1/2"DR.) | Overall Length(mm) |
| 00408-42001 | T20            | 55                 |
| 00408-42501 | T25            | 55                 |
| 00408-42701 | T27            | 55                 |
| 00408-43001 | T30            | 55                 |
| 00408-44001 | T40            | 55                 |
| 00408-44501 | T45            | 55                 |
| 00408-45001 | T50            | 55                 |
| 00408-45501 | T55            | 55                 |
| 00408-46001 | T60            | 55                 |



# Sockets

## ANGLE PIPE WRENCH



- One-piece forged with high grade CRV steel material.
- Through precise CNC process and the concentricity is formed.
- Each Angle Pipe Wrench keeps an uniform curve 6pt x 12pt is available.

| Item No.    | Size /mm  | Length |        |
|-------------|-----------|--------|--------|
|             | 6pt x 6pt | Lx(mm) | Ly(mm) |
| 00311-06003 | 6         | 100    | 22     |
| 00311-07003 | 7         | 100    | 22     |
| 00311-08003 | 8         | 120    | 25     |
| 00311-09003 | 9         | 120    | 25     |
| 00311-10003 | 10        | 127    | 30     |
| 00311-11003 | 11        | 127    | 30     |
| 00311-12003 | 12        | 135    | 34     |
| 00311-13003 | 13        | 140    | 34     |
| 00311-14003 | 14        | 154    | 40     |
| 00311-15003 | 15        | 160    | 40     |
| 00311-16003 | 16        | 185    | 45     |
| 00311-17003 | 17        | 185    | 45     |
| 00311-18003 | 18        | 195    | 52     |
| 00311-19003 | 19        | 195    | 52     |
| 00311-20003 | 20        | 205    | 54     |
| 00311-21003 | 21        | 205    | 54     |
| 00311-22003 | 22        | 225    | 60     |
| 00311-23003 | 23        | 225    | 60     |
| 00311-24003 | 24        | 225    | 63     |
| 00311-25003 | 25        | 225    | 63     |
| 00311-26003 | 26        | 260    | 67     |
| 00311-27003 | 27        | 260    | 67     |
| 00311-28003 | 28        | 270    | 70     |
| 00311-29003 | 29        | 275    | 70     |
| 00311-30003 | 30        | 295    | 75     |
| 00311-32003 | 32        | 305    | 79     |

## Xi-σ DEEP HAND SOCKET SET



- CRV steel material.
- Meet DIN and ANSI standard.

| Item No.     | Drive Size | Description | Content (METRIC spec.)                               |
|--------------|------------|-------------|------------------------------------------------------|
| 900257-20083 | 1/4"DR.    | 8pcs        | 5, 6, 7, 8, 9, 10, 11, 12 mm                         |
| 900257-30083 | 3/8"DR.    | 8pcs        | 10, 11, 12, 13, 14, 16, 17, 19 mm                    |
| 900257-40083 | 1/2"DR.    | 8pcs        | 13, 14, 16, 17, 19, 21, 22, 24 mm                    |
| 900257-40133 | 1/2"DR.    | 13pcs       | 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm |

## Xi-σ STANDARD HAND SOCKET SET



- CRV steel material.
- Meet DIN and ANSI standard.
- Metal rail package per set.

| Item No.     | Drive Size | Description | Content (METRIC spec.)                               |
|--------------|------------|-------------|------------------------------------------------------|
| 900157-20103 | 1/4"DR.    | 10pcs       | 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm                  |
| 900157-30103 | 3/8"DR.    | 10pcs       | 9, 10, 11, 12, 13, 14, 15, 16, 17, 19 mm             |
| 900157-40103 | 1/2"DR.    | 10pcs       | 10, 11, 12, 13, 14, 16, 17, 19, 22, 24 mm            |
| 900157-40133 | 1/2"DR.    | 13pcs       | 8, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm |

## STAR STANDARD HAND SOCKET SET



- CRV steel material.
- Meet DIN and ANSI standard.
- Metal rail package per set.

| Item No.     | Drive Size | Description | Content                                           |
|--------------|------------|-------------|---------------------------------------------------|
| 900103-20061 | 1/4"DR.    | 6pcs        | E4, E5, E6, E7, E8, E10                           |
| 900103-30111 | 3/8"DR.    | 11pcs       | E5, E6, E7, E8, E10, E11, E12, E14, E16, E18, E20 |
| 900103-40091 | 1/2"DR.    | 9pcs        | E10, E11, E12, E14, E16, E18, E20, E22, E24       |

## SOCKET WRENCH SET

- CRV steel material.
- Meet DIN and ANSI standard.
- Both 6pts and 12pts are available.



| Item No.                                                                     | Description                            |
|------------------------------------------------------------------------------|----------------------------------------|
| 900156-20171                                                                 | 1/4"DR. 17pcs Set, Matt Finish         |
| 900157-20173                                                                 | 1/4"DR. 17pcs Xi-on Set, Polish Finish |
| Content                                                                      |                                        |
| 12 pc. STANDARD SOCKET 6PT:<br>4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm |                                        |
| 1pc. OVAL TYPE RATCHET HANDLE w/QUICK RELEASE                                |                                        |
| 1pc. EXTENTION BAR 2" (50mm)                                                 |                                        |
| 1pc. SLIDING T-BAR 4.5"                                                      |                                        |
| 1pc. SPINNER HANDLE 6" (150mm)                                               |                                        |
| 1pc. UNIVERSAL JOINT                                                         |                                        |



| Item No.                                                                        | Description                    |
|---------------------------------------------------------------------------------|--------------------------------|
| 900156-30201                                                                    | 3/8"DR. 20pcs Set, Matt Finish |
| Content                                                                         |                                |
| 13pc. STANDARD SOCKETS 6PT:<br>6, 7, 8, 9, 10, 11, 12, 13, 15, 17, 19, 22, 24mm |                                |
| 2pc. SPARK PLUG SOCKETS: 16mm, 21mm                                             |                                |
| 1pc. OVAL TYPE RATCHET HANDLE w/QUICK RELEASE                                   |                                |
| 2pc. EXTENTION BAR 3" & 6"                                                      |                                |
| 1pc. SLIDING T-BAR 8"                                                           |                                |
| 1pc. UNIVERSAL JOINT                                                            |                                |

## SOCKET WRENCH SET



| Item No.                                                                                    | Description                            |
|---------------------------------------------------------------------------------------------|----------------------------------------|
| 900156-40221                                                                                | 1/2"DR. 22pcs Set, Matt Finish         |
| 900157-40223                                                                                | 1/2"DR. 22pcs Xi-on Set, Polish Finish |
| Content                                                                                     |                                        |
| 15pc. STANDARD SOCKET 6PT:<br>10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24, 27, 30, 32 mm |                                        |
| 1pc. OVAL TYPE RATCHET HANDLE w/QUICK RELEASE                                               |                                        |
| 2pc. EXTENTION BAR 5" & 10"                                                                 |                                        |
| 2pc. SPARK PLUG SOCKET 16mm, 21mm                                                           |                                        |
| 1pc. THREE-WAY ADAPTER 3/8"F x 1/2"M                                                        |                                        |
| 1pc. UNIVERSAL JOINT                                                                        |                                        |



| Item No.                                                                                                         | Description                    |
|------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 900156-40251                                                                                                     | 1/2"DR. 25pcs Set, Matt Finish |
| Content                                                                                                          |                                |
| 20pc. STANDARD SOCKET 6PT:<br>8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,<br>20, 21, 22, 23, 24, 27, 30, 32 mm |                                |
| 1pc. OVAL TYPE RATCHET HANDLE w/QUICK RELEASE                                                                    |                                |
| 2pc. EXTENTION BAR 5" & 10"                                                                                      |                                |
| 1pc. SLIDING T-BAR 10"                                                                                           |                                |
| 1pc. UNIVERSAL JOINT                                                                                             |                                |

# Sockets

## SOCKET TOOL KIT

- CRV steel material.
- Meet DIN and ANSI standard.
- Both 6pts and 12pts are available.
- Blow Case.



| Item No.                                                                            | Description                            |
|-------------------------------------------------------------------------------------|----------------------------------------|
| 99956-40195                                                                         | 1/2"DR. 19pcs Set, Shiny-Matt Finish   |
| 99957-40193                                                                         | 1/2"DR. 19pcs Xi-on Set, Polish Finish |
| Content                                                                             |                                        |
| 13pc. STANDARD SOCKET 6PT:<br>10, 11, 12, 13, 14, 17, 19, 20, 21, 22, 23, 24, 27 mm |                                        |
| 1pc. ROUND TYPE RATCHET HANDLE w/QUICK RELEASE                                      |                                        |
| 2pc. EXTENSION BAR 3" & 5"                                                          |                                        |
| 1pc. LOCKING PLIER 10" CURVED JAWS                                                  |                                        |
| 1pc. MINI HACKSAW w/2pcs Blades                                                     |                                        |
| 1pc. SLIDING T-BAR 10"                                                              |                                        |



| Item No.                                                                                                  | Description                            |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------|
| 99956-40295                                                                                               | 1/2"DR. 29pcs Set, Shiny-Matt Finish   |
| 99957-40293                                                                                               | 1/2"DR. 29pcs Xi-on Set, Polish Finish |
| Content                                                                                                   |                                        |
| 18pc. STANDARD SOCKET 6PT:<br>10, 11, 12, 13, 14, 15, 16, 17, 18, 19<br>20, 21, 22, 23, 24, 27, 30, 32 mm |                                        |
| 1pc. OVAL TYPE RATCHET HANDLE w/QUICK RELEASE                                                             |                                        |
| 1pc. FLEX HANDLE 15" KNURLED HANDLE                                                                       |                                        |
| 2pc. EXTENSION BAR W/HEX HEAD 5" & 10"                                                                    |                                        |
| 1pc. LOCKING PLIER 10" STRAIGHT JAWS                                                                      |                                        |
| 1pc. MINI HACKSAW w/2pcs Blades                                                                           |                                        |
| 1pc. SLIDING T-BAR 12"                                                                                    |                                        |
| 1pc. SPARK PLUG SOCKET 21mm                                                                               |                                        |
| 2pc. SCREWDRIVERS 6mm x 4" ⊕ & ⊖                                                                          |                                        |
| 1pc. UNIVERSAL JOINT (SCREW TYPE)                                                                         |                                        |

## SOCKET TOOL KIT



| Item No.                                                                                    | Description                              |
|---------------------------------------------------------------------------------------------|------------------------------------------|
| 99956-42721                                                                                 | 1/2"DR. & 1/4"DR. 72pcs Set, Matt Finish |
| Content                                                                                     |                                          |
| 13pc. STANDARD 1/2"DR. SOCKET 6PT:<br>10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32 mm |                                          |
| 1pc. 1/2"DR. OVAL TYPE RATCHET HANDLE w/QUICK RELEASE                                       |                                          |
| 1pc. 1/2"DR. EXTENSION BAR 5"                                                               |                                          |
| 1pc. 1/2"DR. UNIVERSAL JOINT                                                                |                                          |
| 2pc. 1/2"DR. SPARK PLUG SOCKET 16mm & 21mm                                                  |                                          |
| 10pc. 1/4"DR. STANDARD SOCKET: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm                          |                                          |
| 5pc. 1/4"DR. DEEP SOCKET: 5, 6, 7, 8, 10 mm                                                 |                                          |
| 1pc. 1/4"DR. OVAL TYPE RATCHET HANDLE w/QUICK RELEASE                                       |                                          |
| 1pc. 1/4"DR. EXTENSION BAR 3"                                                               |                                          |
| 1pc. 1/4"DR. SPINNER HANDLE                                                                 |                                          |
| 1pc. 1/4"DR. UNIVERSAL JOINT                                                                |                                          |
| 1pc. 1/4"DR. COUPLER                                                                        |                                          |
| 4pc. 1/4"DR. SLOTTED BIT: 3, 4, 5, 6 mm                                                     |                                          |
| 7pc. 1/4"DR. TORX BIT: T10, T15, T20, T25, T27, T30, T40                                    |                                          |
| 3pc. 1/4" PHILLIPS BIT: PH#1, PH#2, PH#3                                                    |                                          |
| 8pc. COMBINATION WRENCH: 10, 11, 12, 13, 14, 15, 17, 19 mm                                  |                                          |
| 1pc. LOCKING PLIER 10" STRAIGH JAWS                                                         |                                          |
| 1pc. WATER PUMP PLIER 250 mm                                                                |                                          |
| 1pc. COMBINATION PLIER 180 mm                                                               |                                          |
| 3pc. HEX KEY WRENCHES: 1.5, 2, 2.5 mm                                                       |                                          |
| 1pc. MECHANIST HAMMER 300G (TUV/GS)                                                         |                                          |
| 5pc. SCREWDRIVER:<br>8x150mm ⊕, 6x100mm ⊕, 6x38mm ⊕, 6x100mm ⊖, 6x38mm ⊖                    |                                          |

## SOCKET TOOL KIT



| Item No.                                                      | Description                                      |
|---------------------------------------------------------------|--------------------------------------------------|
| 900156-42941                                                  | 1/2"DR. & 1/4"DR. 94pcs Set, Matt Finish         |
| 900157-42943                                                  | 1/2"DR. & 1/4"DR. 94pcs Xi-on Set, Polish Finish |
| Content                                                       |                                                  |
| 13pc. 1/4"DR. STANDARD SOCKET 6PT:<br>4, 4.5, 5, 5.5, 6-14 MM |                                                  |
| 1pc. 1/4"DR. QUICK-RELEASE RATCHET HANDLE                     |                                                  |
| 1pc. 1/4"DR. SLIDING T BAR                                    |                                                  |
| 1pc. 1/4"DR. UNIVERSAL JOINT                                  |                                                  |
| 1pc. 1/4"DR. SPINNER HANDLE                                   |                                                  |
| 2pc. 1/4"DR. EXTENTION BAR 50MM & 100MM                       |                                                  |
| 1pc. 1/4"DR. FLEXIBLE EXTENSION BAR                           |                                                  |
| 10pc. 1/4"DR. DEEP SOCKET: 6-13, 17, 19MM                     |                                                  |
| 16pc. 1/2"DR. SOCKET: 10-19, 21, 22, 24, 27, 30, 32MM         |                                                  |
| 1pc. 1/2"DR. QUICK-RELEASE RATCHET HANDLE                     |                                                  |
| 1pc. SLIDING ADAPTOR: 3/8" (F)*1/2" (M)                       |                                                  |
| 2pc. 1/2"DR. SPARK PLUG SOCKET: 16MM & 21MM                   |                                                  |
| 1pc. 1/2" UNIVERSAL JOINT                                     |                                                  |
| 2pc. 1/2"DR. EXTENTION BAR: 125MM & 250MM                     |                                                  |
| 5pc. HEX KEY WRENCH (M/M): 1.25, 1.5, 2, 2.5, 3               |                                                  |
| 1pc. 1/4"DR COUPLER                                           |                                                  |
| 4pc. 1/4" SHANK HEX BIT: H3, H4, H5, H6                       |                                                  |
| 3pc. 1/4" SHANK FLAT BIT: -4, -5.5, -6.5                      |                                                  |
| 2pc. 1/4" SHANK PHILLIPS BIT: PH#1, PH#2                      |                                                  |
| 2pc. 1/4" SHANK POZIDRIV BIT: PZ#1, PZ#2                      |                                                  |
| 6pc. 1/4" SHANK TORX BIT: T10, T15, T20, T25, T27, T30        |                                                  |
| 1pc. 1/4" SHANK BIT ADAPTOR                                   |                                                  |
| 1pc. 1/2"DR * 5/16" BIT HOLDER                                |                                                  |
| 5pc. 5/16" SHANK HEX BIT: H7, H8, H10, H12, H14               |                                                  |
| 4pc. 5/16" SHANK TORX BIT: T40, T45, T50, T55                 |                                                  |
| 3pc. 5/16" SHANK FLAT BIT: -8, -10, -12                       |                                                  |
| 2pc. 5/16" SHANK PHILLIPS BIT: PH3, PH4                       |                                                  |
| 2pc. 5/16" SHANK POZIDRIV BIT: PZ3, PZ4                       |                                                  |

## DIN TYPE IMPACT EXTENSION BAR



- CR-MO steel material.
- Phosphate finish.
- Meet DIN standard.

| Item No.    | Drive Size | Overall Length |      |
|-------------|------------|----------------|------|
|             |            | mm             | inch |
| 70020-30306 | 3/8"DR.    | 75             | 3"   |
| 70020-30606 |            | 150            | 6"   |
| 70020-40306 | 1/2"DR.    | 75             | 3"   |
| 70020-40506 |            | 125            | 5"   |
| 70020-41006 | 3/4"DR.    | 250            | 10"  |
| 70020-60407 |            | 100            | 4"   |
| 70020-60706 |            | 175            | 7"   |
| 70020-61006 |            | 250            | 10"  |
| 70020-61306 | 1"DR.      | 325            | 13"  |
| 70020-10406 |            | 100            | 4"   |
| 70020-10706 |            | 175            | 7"   |
| 70020-11006 |            | 250            | 10"  |
| 70020-11306 |            | 325            | 13"  |

## DIN TYPE IMPACT UNIVERSAL JOINTS



- CR-MO steel material.
- Meet ANSI standard.
- Phosphate finish.
- Ball type.

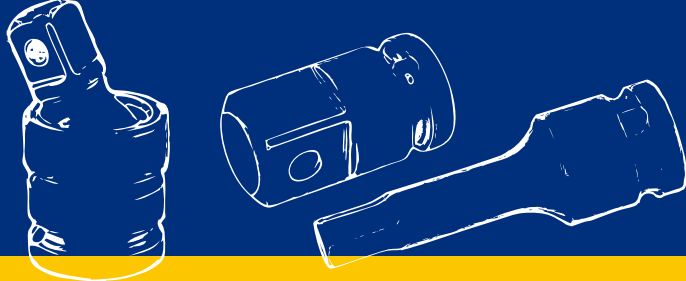
| Item No.    | FEMALE     | MALE       | Overall Length |
|-------------|------------|------------|----------------|
|             | Drive Size | Drive Size |                |
| 70001-34806 | 3/8"       | 3/8"       | 48             |
| 70001-46006 | 1/2"       | 1/2"       | 60             |

## DIN TYPE IMPACT ADAPTER



- CR-MO steel material.
- Meet DIN standard.
- Phosphate finish.

| Item No.    | FEMALE     | MALE       | Overall Length |
|-------------|------------|------------|----------------|
|             | Drive Size | Drive Size |                |
| 70003-32006 | 3/8"       | 1/4"       | 25             |
| 70003-34006 | 3/8"       | 1/2"       | 32.5           |
| 70003-43006 | 1/2"       | 3/8"       | 38             |
| 70003-46006 | 1/2"       | 3/4"       | 45             |
| 70003-64006 | 3/4"       | 1/2"       | 58             |
| 70003-61006 | 3/4"       | 1"         | 63             |
| 70003-16006 | 1"         | 3/4"       | 73             |



# Sockets

## DIN TYPE STANDARD IMPACT SOCKETS

- CR-MO steel material.
- Meet DIN standard.
- Phosphate finish, 6PT.
- SAE is available.



| 1/4"DR. METRIC IMPACT SOCKETS |      |                |
|-------------------------------|------|----------------|
| Item No.                      | Size | Overall Length |
|                               | mm   | mm             |
| 70156-20406                   | 4    | 25             |
| 70156-20416                   | 4.5  | 25             |
| 70156-20506                   | 5    | 25             |
| 70156-20516                   | 5.5  | 25             |
| 70156-20606                   | 6    | 25             |
| 70156-20706                   | 7    | 25             |
| 70156-20806                   | 8    | 25             |
| 70156-20906                   | 9    | 25             |
| 70156-21006                   | 10   | 25             |
| 70156-21106                   | 11   | 25             |
| 70156-21206                   | 12   | 25             |
| 70156-21306                   | 13   | 25             |

| 3/8"DR. METRIC STANDARD SOCKETS |      |                |
|---------------------------------|------|----------------|
| Item No.                        | Size | Overall Length |
|                                 | mm   | mm             |
| 70156-30806                     | 8    | 28             |
| 70156-30906                     | 9    | 28             |
| 70156-31006                     | 10   | 28             |
| 70156-31106                     | 11   | 28             |
| 70156-31206                     | 12   | 30             |
| 70156-31306                     | 13   | 30             |
| 70156-31406                     | 14   | 30             |
| 70156-31506                     | 15   | 30             |
| 70156-31706                     | 17   | 30             |
| 70156-31906                     | 19   | 30             |

| 1/2"DR. METRIC STANDARD SOCKETS |      |                |
|---------------------------------|------|----------------|
| Item No.                        | Size | Overall Length |
|                                 | mm   | mm             |
| 70156-41006                     | 10   | 38             |
| 70156-41106                     | 11   | 38             |
| 70156-41206                     | 12   | 38             |
| 70156-41306                     | 13   | 38             |
| 70156-41406                     | 14   | 38             |
| 70156-41506                     | 15   | 38             |
| 70156-41606                     | 16   | 38             |
| 70156-41706                     | 17   | 38             |
| 70156-41806                     | 18   | 38             |
| 70156-41906                     | 19   | 38             |
| 70156-42106                     | 21   | 38             |
| 70156-42206                     | 22   | 38             |
| 70156-42306                     | 23   | 38             |
| 70156-42406                     | 24   | 38             |
| 70156-42606                     | 26   | 45             |
| 70156-42706                     | 27   | 45             |
| 70156-43006                     | 30   | 50             |
| 70156-43206                     | 32   | 50             |

| 3/4"DR. METRIC STANDARD SOCKETS |      |                |
|---------------------------------|------|----------------|
| Item No.                        | Size | Overall Length |
|                                 | mm   | mm             |
| 70156-61906                     | 19   | 51             |
| 70156-62106                     | 21   | 51             |
| 70156-62206                     | 22   | 51             |
| 70156-62306                     | 23   | 51             |
| 70156-62406                     | 24   | 51             |
| 70156-62506                     | 25   | 53             |
| 70156-62606                     | 26   | 53             |
| 70156-62706                     | 27   | 53             |
| 70156-62806                     | 28   | 53             |
| 70156-62906                     | 29   | 53             |
| 70156-63006                     | 30   | 53             |
| 70156-63206                     | 32   | 57             |
| 70156-63606                     | 36   | 57             |
| 70156-63706                     | 37   | 57             |
| 70156-63806                     | 38   | 57             |
| 70156-64006                     | 40   | 58             |
| 70156-64106                     | 41   | 58             |
| 70156-64206                     | 42   | 58             |
| 70156-64606                     | 46   | 62             |
| 70156-65006                     | 50   | 68             |
| 70156-65406                     | 54   | 71             |
| 70156-65506                     | 55   | 71             |
| 70156-65806                     | 58   | 73             |
| 70156-66006                     | 60   | 73             |

| 1"DR. METRIC STANDARD SOCKETS |      |                |
|-------------------------------|------|----------------|
| Item No.                      | Size | Overall Length |
|                               | mm   | mm             |
| 70156-11906                   | 19   | 58             |
| 70156-12206                   | 22   | 58             |
| 70156-12406                   | 24   | 58             |
| 70156-12706                   | 27   | 60             |
| 70156-13006                   | 30   | 62             |
| 70156-13206                   | 32   | 63             |
| 70156-13306                   | 33   | 63             |
| 70156-13606                   | 36   | 66             |
| 70156-13806                   | 38   | 66             |
| 70156-14106                   | 41   | 68             |
| 70156-14206                   | 42   | 68             |
| 70156-14606                   | 46   | 72             |
| 70156-15006                   | 50   | 76             |
| 70156-15506                   | 55   | 84             |
| 70156-16006                   | 60   | 88             |

## DIN TYPE DEEP IMPACT SOCKETS



- CR-MO steel material.
- Meet DIN standard.
- Phosphate finish, 6PT.
- SAE is available.

| 1/4"DR. METRIC DEEP IMPACT SOCKETS |      |                |
|------------------------------------|------|----------------|
| Item No.                           | Size | Overall Length |
|                                    | mm   | mm             |
| 70256-20406                        | 4    | 50             |
| 70256-20416                        | 4.5  | 50             |
| 70256-20506                        | 5    | 50             |
| 70256-20516                        | 5.5  | 50             |
| 70256-20606                        | 6    | 50             |
| 70256-20706                        | 7    | 50             |
| 70256-20806                        | 8    | 50             |
| 70256-20906                        | 9    | 50             |
| 70256-21006                        | 10   | 50             |
| 70256-21106                        | 11   | 50             |
| 70256-21206                        | 12   | 50             |
| 70256-21306                        | 13   | 50             |

| 3/8"DR. METRIC DEEP IMPACT SOCKETS |      |                |
|------------------------------------|------|----------------|
| Item No.                           | Size | Overall Length |
|                                    | mm   | mm             |
| 70256-30806                        | 8    | 63             |
| 70256-30906                        | 9    | 63             |
| 70256-31006                        | 10   | 63             |
| 70256-31106                        | 11   | 63             |
| 70256-31206                        | 12   | 63             |
| 70256-31306                        | 13   | 63             |
| 70256-31406                        | 14   | 63             |
| 70256-31506                        | 15   | 63             |
| 70256-31706                        | 17   | 63             |
| 70256-31906                        | 19   | 63             |

| 1/2"DR. METRIC DEEP IMPACT SOCKETS |      |                |
|------------------------------------|------|----------------|
| Item No.                           | Size | Overall Length |
|                                    | mm   | mm             |
| 70256-41006                        | 10   | 80             |
| 70256-41106                        | 11   | 80             |
| 70256-41206                        | 12   | 80             |
| 70256-41306                        | 13   | 80             |
| 70256-41406                        | 14   | 80             |
| 70256-41506                        | 15   | 80             |
| 70256-41606                        | 16   | 80             |
| 70256-41706                        | 17   | 80             |
| 70256-41806                        | 18   | 80             |
| 70256-41906                        | 19   | 80             |
| 70256-42006                        | 20   | 80             |
| 70256-42106                        | 21   | 80             |
| 70256-42206                        | 22   | 80             |
| 70256-42406                        | 24   | 80             |
| 70256-42706                        | 27   | 80             |
| 70256-43006                        | 30   | 80             |
| 70256-43206                        | 32   | 80             |
| 70256-43406                        | 34   | 80             |
| 70256-43606                        | 36   | 80             |
| 70256-43806                        | 38   | 80             |

| 3/4"DR. METRIC DEEP IMPACT SOCKETS |      |                |
|------------------------------------|------|----------------|
| Item No.                           | Size | Overall Length |
|                                    | mm   | mm             |
| 70256-61906                        | 19   | 90             |
| 70256-62206                        | 22   | 90             |
| 70256-62406                        | 24   | 90             |
| 70256-62706                        | 27   | 90             |
| 70256-63006                        | 30   | 90             |
| 70256-63206                        | 32   | 90             |
| 70256-63306                        | 33   | 90             |
| 70256-63606                        | 36   | 90             |
| 70256-63806                        | 38   | 90             |
| 70256-64106                        | 41   | 90             |

| 1"DR. METRIC DEEP IMPACT SOCKETS |      |                |
|----------------------------------|------|----------------|
| Item No.                         | Size | Overall Length |
|                                  | mm   | mm             |
| 70256-12406                      | 24   | 108            |
| 70256-12706                      | 27   | 108            |
| 70256-13006                      | 30   | 108            |
| 70256-13206                      | 32   | 108            |
| 70256-13306                      | 33   | 108            |
| 70256-13606                      | 36   | 108            |
| 70256-13806                      | 38   | 108            |
| 70256-14106                      | 41   | 108            |
| 70256-14606                      | 46   | 108            |
| 70256-15006                      | 50   | 108            |

## DIN TYPE STANDARD IMPACT STAR SOCKETS



- CR-MO steel material.
- Meet DIN standard.
- Phosphate finish.

| 3/8"DR. STD. IMPACT STAR SOCKETS |      |                     |
|----------------------------------|------|---------------------|
| Item No.                         | Size | Overall Length (mm) |
| 70103-30506                      | E5   | 30                  |
| 70103-30606                      | E6   | 30                  |
| 70103-30706                      | E7   | 30                  |
| 70103-30806                      | E8   | 30                  |
| 70103-31006                      | E10  | 30                  |
| 70103-31206                      | E12  | 30                  |
| 70103-31406                      | E14  | 30                  |

| 1/2"DR. STD. IMPACT STAR SOCKETS |      |                     |
|----------------------------------|------|---------------------|
| Item No.                         | Size | Overall Length (mm) |
| 70103-41006                      | E10  | 38                  |
| 70103-41206                      | E12  | 38                  |
| 70103-41406                      | E14  | 38                  |
| 70103-41606                      | E16  | 38                  |
| 70103-41806                      | E18  | 38                  |
| 70103-42006                      | E20  | 40                  |
| 70103-42406                      | E24  | 40                  |

# Sockets



## DIN TYPE IMPACT ONE-PIECE BIT SOCKETS



- CR-MO steel material.
- One-piece forged.
- Phosphate finish.
- SAE is available.

3/8"DR. IMPACT ONE-PIECE HEX BIT SOCKETS

| Item No.    | Size | Overall Length |
|-------------|------|----------------|
|             |      | mm             |
| 70456-30406 | H4   | 50             |
| 70456-30506 | H5   | 50             |
| 70456-30606 | H6   | 50             |
| 70456-30706 | H7   | 60             |
| 70456-30806 | H8   | 60             |
| 70456-30906 | H9   | 60             |
| 70456-31006 | H10  | 60             |
| 70456-31206 | H12  | 60             |

1/2"DR. IMPACT ONE-PIECE HEX BIT SOCKETS

| Item No.    | Size | Overall Length |
|-------------|------|----------------|
|             |      | mm             |
| 70456-40506 | H5   | 60             |
| 70456-40606 | H6   | 60             |
| 70456-40706 | H7   | 60             |
| 70456-40806 | H8   | 60             |
| 70456-40906 | H9   | 68             |
| 70456-41006 | H10  | 68             |
| 70456-41206 | H12  | 68             |
| 70456-41406 | H14  | 78             |
| 70456-41706 | H17  | 78             |
| 70456-41906 | H19  | 78             |

## IMPACT INSERT BIT SOCKETS



- CR-MO steel material.
- Insert hex bit.
- Phosphate finish.
- SAE is available.

1/2"DR. METRIC IMPACT INSERT HEX BIT SOCKETS

| Item No.    | Size | Overall Length |
|-------------|------|----------------|
|             |      | mm             |
| 70456-40616 | H6   | 82.6           |
| 70456-40816 | H8   | 82.6           |
| 70456-41016 | H10  | 82.6           |
| 70456-41216 | H12  | 82.6           |
| 70456-41416 | H14  | 92.6           |
| 70456-41716 | H17  | 101.6          |

## THIN WALL IMPACT ACCESSORIES



- CR-V steel material.
- Phosphate finish.

3/8"DR. THIN WALL EXTENSION BAR

| Item No.    | Overall Length |     |
|-------------|----------------|-----|
|             | inch           | mm  |
| 70021-30306 | 3"             | 75  |
| 70021-30606 | 6"             | 150 |

1/2"DR. THIN WALL EXTENSION BAR

| Item No.    | Overall Length |     |
|-------------|----------------|-----|
|             | inch           | mm  |
| 70021-40306 | 3"             | 75  |
| 70021-40506 | 5"             | 125 |
| 70021-41006 | 10"            | 250 |



THIN WALL IMPACT ADAPTER

| Item No.    | FEMALE     | MALE       | Overall Length |
|-------------|------------|------------|----------------|
|             | Drive Size | Drive Size |                |
| 70004-34006 | 3/8"DR.    | 1/2"DR.    | 36             |
| 70004-43006 | 1/2"DR.    | 3/8"DR.    | 36             |
| 70004-46006 | 1/2"DR.    | 3/4"DR.    | 45             |

## THIN WALL STANDARD IMPACT SOCKET



- CR-V steel material.
- Phosphate finish.
- SAE is available.

1/4"DR. METRIC STD. IMPACT SOCKETS

| Item No.    | Size | Overall Length |
|-------------|------|----------------|
|             | mm   | mm             |
| 70151-20406 | 4    | 25             |
| 70151-20416 | 4.5  | 25             |
| 70151-20506 | 5    | 25             |
| 70151-20606 | 6    | 25             |
| 70151-20706 | 7    | 25             |
| 70151-20806 | 8    | 25             |
| 70151-20906 | 9    | 25             |
| 70151-21006 | 10   | 25             |
| 70151-21106 | 11   | 25             |
| 70151-21206 | 12   | 25             |
| 70151-21306 | 13   | 25             |

3/8"DR. METRIC STD. IMPACT SOCKETS

| Item No.    | Size | Overall Length |
|-------------|------|----------------|
|             | mm   | mm             |
| 70151-30806 | 8    | 30             |
| 70151-30906 | 9    | 30             |
| 70151-31006 | 10   | 30             |
| 70151-31106 | 11   | 30             |
| 70151-31206 | 12   | 30             |
| 70151-31306 | 13   | 30             |
| 70151-31406 | 14   | 30             |
| 70151-31506 | 15   | 30             |
| 70151-31606 | 16   | 30             |
| 70151-31706 | 17   | 30             |
| 70151-31806 | 18   | 30             |
| 70151-31906 | 19   | 30             |

1/2"DR. METRIC STD. IMPACT SOCKETS

| Item No.    | Size | Overall Length |
|-------------|------|----------------|
|             | mm   | mm             |
| 70151-41006 | 10   | 38             |
| 70151-41106 | 11   | 38             |
| 70151-41206 | 12   | 38             |
| 70151-41306 | 13   | 38             |
| 70151-41406 | 14   | 38             |
| 70151-41506 | 15   | 38             |
| 70151-41606 | 16   | 38             |
| 70151-41706 | 17   | 38             |
| 70151-41806 | 18   | 38             |
| 70151-41906 | 19   | 38             |
| 70151-42006 | 20   | 38             |
| 70151-42106 | 21   | 38             |
| 70151-42206 | 22   | 38             |
| 70151-42306 | 23   | 38             |
| 70151-42406 | 24   | 38             |
| 70151-42506 | 25   | 42             |
| 70151-42606 | 26   | 42             |
| 70151-42706 | 27   | 45             |
| 70151-43006 | 30   | 45             |
| 70151-43206 | 32   | 45             |

## THIN WALL DEEP IMPACT SOCKET



- CR-V steel material.
- Phosphate finish.
- SAE is available.

1/4"DR. METRIC STD. IMPACT SOCKETS

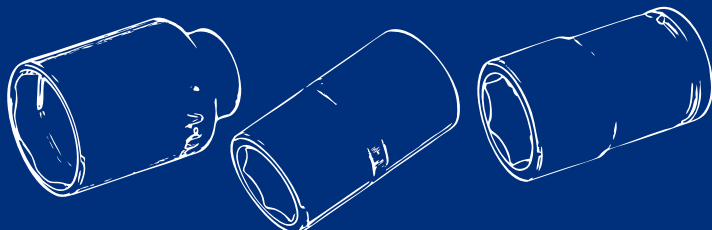
| Item No.    | Size | Overall Length |
|-------------|------|----------------|
|             | mm   | mm             |
| 70251-20516 | 5.5  | 50             |
| 70251-20606 | 6    | 50             |
| 70251-20706 | 7    | 50             |
| 70251-20806 | 8    | 50             |
| 70251-20906 | 9    | 50             |
| 70251-21006 | 10   | 50             |
| 70251-21106 | 11   | 50             |
| 70251-21206 | 12   | 50             |

3/8"DR. METRIC STD. IMPACT SOCKETS

| Item No.    | Size | Overall Length |
|-------------|------|----------------|
|             | mm   | mm             |
| 70251-30806 | 8    | 63             |
| 70251-30906 | 9    | 63             |
| 70251-31006 | 10   | 63             |
| 70251-31106 | 11   | 63             |
| 70251-31206 | 12   | 63             |
| 70251-31306 | 13   | 63             |
| 70251-31406 | 14   | 63             |
| 70251-31506 | 15   | 63             |
| 70251-31606 | 16   | 63             |
| 70251-31706 | 17   | 63             |
| 70251-31806 | 18   | 63             |
| 70251-31906 | 19   | 63             |

1/2"DR. METRIC STD. IMPACT SOCKETS

| Item No.    | Size | Overall Length |
|-------------|------|----------------|
|             | mm   | mm             |
| 70251-41006 | 10   | 78             |
| 70251-41106 | 11   | 78             |
| 70251-41206 | 12   | 78             |
| 70251-41306 | 13   | 78             |
| 70251-41406 | 14   | 78             |
| 70251-41506 | 15   | 78             |
| 70251-41606 | 16   | 78             |
| 70251-41706 | 17   | 78             |
| 70251-41806 | 18   | 78             |
| 70251-41906 | 19   | 78             |
| 70251-42006 | 20   | 78             |
| 70251-42106 | 21   | 78             |
| 70251-42206 | 22   | 78             |
| 70251-42306 | 23   | 78             |
| 70251-42406 | 24   | 78             |
| 70251-42706 | 27   | 78             |
| 70251-43006 | 30   | 78             |
| 70251-43206 | 32   | 78             |
| 70251-43406 | 34   | 78             |
| 70251-43606 | 36   | 78             |
| 70251-43806 | 38   | 78             |



# Sockets

## DEDICATED IMPACT SOCKETS

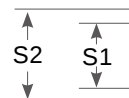
### 1/2"DR. FLIP IMPACT SOCKETS



- CR-MO steel material.
- Phosphate finish.

| Item No.    | Size         | Overall Length (mm) |
|-------------|--------------|---------------------|
| 70108-40016 | 3/4" x 3/16" | 60                  |
| 70108-40026 | 19mm x 21mm  | 60                  |

### DOUBLE OPENING BUDD WHEEL IMPACT SOCKETS



- CR-MO steel material.
- Phosphate finish.

| Item No.    | Drive    | Size1 x Size2 | Overall Length (mm) |
|-------------|----------|---------------|---------------------|
| 70105-61706 | 3/4" DR. | 17 x 35       | 100                 |
| 70105-62006 |          | 20 x 38       | 100                 |
| 70105-62106 |          | 21 x 41       | 100                 |
| 70105-11706 | 1" DR.   | 17 x 35       | 100                 |
| 70105-12006 |          | 20 x 38       | 100                 |
| 70105-12106 |          | 21 x 41       | 100                 |

### 4POINT BUDD WHEEL IMPACT SOCKETS



- CR-MO steel material.
- Phosphate finish.

| Item No.    | Drive   | Size (mm) | Overall Length (mm) |
|-------------|---------|-----------|---------------------|
| 70104-40806 | 1/2"DR. | 8         | 38                  |
| 70104-41006 |         | 10        | 38                  |
| 70104-41206 |         | 12        | 38                  |
| 70104-41306 |         | 13        | 38                  |
| 70104-41406 |         | 14        | 38                  |
| 70104-41506 |         | 15        | 38                  |
| 70104-41706 |         | 17        | 38                  |
| 70104-41906 |         | 19        | 38                  |
| 70104-42206 |         | 22        | 38                  |
| 70104-42306 |         | 23        | 38                  |
| 70104-61706 | 3/4"DR. | 17        | 52                  |
| 70104-61906 |         | 19        | 52                  |
| 70104-62006 |         | 20        | 52                  |
| 70104-62106 |         | 21        | 52                  |
| 70104-11706 | 1"DR.   | 17        | 60                  |
| 70104-11906 |         | 19        | 60                  |
| 70104-12106 |         | 21        | 60                  |
| 70104-12206 |         | 22        | 60                  |

### DISC BRAKE CALIPER SOCKETS



- CR-V steel material.
- Phosphate finish.

| 3/8"DR.     |             |                     |
|-------------|-------------|---------------------|
| Item No.    | Size (inch) | Overall Length (mm) |
| 70108-30106 | 5/16"       | 30                  |
| 70108-30206 | 3/8"        | 30                  |

### OIL SENDING UNIT



- CR-V steel material.
- Phosphate finish.

| 3/8"DR.     |             |                     |
|-------------|-------------|---------------------|
| Item No.    | Size (inch) | Overall Length (mm) |
| 70108-31006 | 1+1/16"     | 53                  |

## TORSION BARS



- CR-MO steel material.

| 1/2"DR.     |              |     |                      |
|-------------|--------------|-----|----------------------|
| Item No.    | Torque Value |     | Overall Length<br>mm |
|             | FT-LB        | N-M |                      |
| 70310-40558 | 55           | 75  | 200                  |
| 70310-40608 | 60           | 80  | 200                  |
| 70310-40658 | 65           | 90  | 200                  |
| 70310-40758 | 75           | 100 | 200                  |
| 70310-40808 | 80           | 110 | 200                  |
| 70310-40908 | 90           | 120 | 200                  |
| 70310-41008 | 100          | 135 | 200                  |
| 70310-41058 | 105          | 145 | 200                  |
| 70310-41108 | 110          | 150 | 200                  |
| 70310-41208 | 120          | 160 | 200                  |
| 70310-41308 | 130          | 180 | 200                  |
| 70310-41408 | 140          | 190 | 200                  |
| 70310-41508 | 150          | 205 | 200                  |
| 70310-41758 | 175          | 240 | 200                  |

## TORSION STICKS



| 1"DR. TORSION STICKS |      |              |     |                      |
|----------------------|------|--------------|-----|----------------------|
| Item No.             | Size | Torque Value |     | Overall Length<br>mm |
|                      | mm   | FT-LB        | N-M |                      |
| 70361-13208          | 32   | 330          | 450 | 300                  |
| 70361-13218          | 32   | 440          | 600 | 300                  |
| 70361-13308          | 33   | 405          | 550 | 300                  |
| 70361-13318          | 33   | 440          | 600 | 300                  |

## ALUMINUM WHEEL DEEP IMPACT SOCKET



| 1/2"DR.     |      |                      |
|-------------|------|----------------------|
| Item No.    | Size | Overall Length<br>mm |
|             | mm   |                      |
| 70256-41702 | 17   | 85                   |
| 70256-41902 | 19   | 85                   |
| 70256-42102 | 21   | 85                   |

## TORSION STICKS



| 1/2"DR. TORSION STICKS |             |              |     |                      |
|------------------------|-------------|--------------|-----|----------------------|
| Item No.               | Size        | Torque Value |     | Overall Length<br>mm |
|                        | mm / inch   | FT-LB        | N-M |                      |
| 70311-41308            | 13/16"      | 100          | 135 | 220                  |
| 70311-41408            | 7/8"        | 120          | 160 | 220                  |
| 70311-41418            | 7/8"        | 140          | 190 | 220                  |
| 70311-41508            | 15/16"      | 140          | 190 | 220                  |
| 70361-41708            | 17mm        | 55           | 75  | 220                  |
| 70361-41718            | 17mm        | 80           | 110 | 220                  |
| 70361-41908            | 19mm (3/4") | 65           | 90  | 220                  |
| 70361-41918            | 19mm (3/4") | 80           | 110 | 220                  |
| 70361-41928            | 19mm (3/4") | 100          | 135 | 220                  |
| 70361-41938            | 19mm (3/4") | 120          | 160 | 220                  |
| 70361-42108            | 21mm        | 80           | 110 | 220                  |

## ALUMINUM WHEEL EXTRA THIN DEEP IMPACT SOCKET



| 1/2"DR.     |      |                      |
|-------------|------|----------------------|
| Item No.    | Size | Overall Length<br>mm |
|             | mm   |                      |
| 70251-41716 | 17   | 80                   |
| 70251-41916 | 19   | 80                   |
| 70251-42116 | 21   | 80                   |



# Spanner Wrenches

- 27 OPEN END WRENCHES
- 27 OFFSET BOX END WRENCHES
- 27 COMBINATION WRENCHES
- 28 OPEN END WRENCH SET
- 28 OFFSET BOX END WRENCH SET
- 28 COMBINATION WRENCH SET
- 29 RATCHETING SPANNER WRENCHES



## DOUBLE OPEN-END WRENCH



- Drop forged Chrome Vanadium steel.
- Nickel-Chrome plated.
- Satin finish.

| Item No.    | Size (mm) |
|-------------|-----------|
| 01252-06071 | 6x7       |
| 01252-08091 | 8x9       |
| 01252-10111 | 10x11     |
| 01252-12131 | 12x13     |
| 01252-14151 | 14x15     |
| 01252-16171 | 16x17     |
| 01252-18191 | 18x19     |
| 01252-20221 | 20x22     |
| 01252-21231 | 21x23     |
| 01252-24261 | 24x26     |
| 01252-24271 | 24x27     |
| 01252-25281 | 25x28     |
| 01252-30321 | 30x32     |

## OFFSET BOX END WRENCH



- Drop forged Chrome Vanadium steel.
- Nickel-Chrome plated.
- Satin finish.

| Item No.    | Size (mm) |
|-------------|-----------|
| 01250-06071 | 6x7       |
| 01250-08091 | 8x9       |
| 01250-08101 | 8x10      |
| 01250-10111 | 10x11     |
| 01250-10121 | 10x12     |
| 01250-11131 | 11x13     |
| 01250-12131 | 12x13     |
| 01250-14151 | 14x15     |
| 01250-14171 | 14x17     |
| 01250-16171 | 16x17     |
| 01250-17191 | 17x19     |
| 01250-18191 | 18x19     |
| 01250-19211 | 19x21     |
| 01250-20221 | 20x22     |
| 01250-21231 | 21x23     |
| 01250-22241 | 22x24     |
| 01250-23261 | 23x26     |
| 01250-24261 | 24x26     |
| 01250-25281 | 25x28     |
| 01250-30321 | 30x32     |

## COMBINATION WRENCH



- Drop forged Chrome Vanadium steel.
- Nickel-Chrome plated.
- Satin finish.

| Item No.    | Size (mm) |
|-------------|-----------|
| 01251-06001 | 6         |
| 01251-07001 | 7         |
| 01251-08001 | 8         |
| 01251-09001 | 9         |
| 01251-10001 | 10        |
| 01251-11001 | 11        |
| 01251-12001 | 12        |
| 01251-13001 | 13        |
| 01251-14001 | 14        |
| 01251-15001 | 15        |
| 01251-16001 | 16        |
| 01251-17001 | 17        |
| 01251-18001 | 18        |
| 01251-19001 | 19        |
| 01251-20001 | 20        |
| 01251-21001 | 21        |
| 01251-22001 | 22        |
| 01251-23001 | 23        |
| 01251-24001 | 24        |
| 01251-25001 | 25        |
| 01251-26001 | 26        |
| 01251-27001 | 27        |
| 01251-28001 | 28        |
| 01251-29001 | 29        |
| 01251-30001 | 30        |
| 01251-32001 | 32        |

# Spanner Wrenches

- Drop forged Chrome Vanadium steel.
- Nickel-Chrome plated.
- Satin finish.
- Roll pouch packing.

## OPEN END WRENCH SET



| Item No.     | Description    | Content                                                                           |
|--------------|----------------|-----------------------------------------------------------------------------------|
| 901252-06001 | 6pcs Open End  | 8x9, 10x11, 12x13, 14x15, 16x17, 18x19 mm                                         |
| 901252-08001 | 8pcs Open End  | 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm                             |
| 901252-12001 | 12pcs Open End | 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 30x32 mm |

## COMBINATION WRENCH SET



| Item No.     | Description | Content                                                   |
|--------------|-------------|-----------------------------------------------------------|
| 901251-07001 | 7pcs        | 10, 11, 12, 13, 14, 17, 19 mm                             |
| 901251-11001 | 11pcs       | 8, 9, 10, 11, 12, 13, 14, 17, 19, 22, 24 mm               |
| 901251-14001 | 14pcs       | 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24 mm   |
| 901251-14011 | 14pcs       | 10, 11, 12, 13, 14, 16, 17, 19, 21, 22, 24, 27, 30, 32 mm |

## OFFSET BOX END WRENCH SET



| Item No.     | Description      | Content                                                                           |
|--------------|------------------|-----------------------------------------------------------------------------------|
| 901250-06001 | 6pcs offset Box  | 8x9, 10x11, 12x13, 14x15, 16x17, 18x19 mm                                         |
| 901250-08001 | 8pcs offset Box  | 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22 mm                             |
| 901250-12001 | 12pcs offset Box | 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x26, 25x28, 30x32 mm |

## OFFSET RATCHET WRENCH



- Angle: 25°.
- Gear is made of Chrome-Vanadium steel.
- Body is made of medium carbon steel.
- Reversible switch available for changing direction.
- Torque and hardness are guaranteed to meet

ANSI or DIN specification.

| Item No.    | Size (mm) |
|-------------|-----------|
| 01360-06081 | 6x8       |
| 01360-08101 | 8x10      |
| 01360-10121 | 10x12     |
| 01360-11131 | 11x13     |
| 01360-12141 | 12x14     |
| 01360-14171 | 14x17     |
| 01360-17191 | 17x19     |
| 01360-19211 | 19x21     |

## COMBO RATCHET WRENCH



- Gear is made of Chrome-Vanadium steel.
- Body is made of medium carbon steel.
- Reversible switch available for changing direction.
- Torque and hardness are guaranteed to meet ANSI or DIN specification.

| Item No.    | Size (mm) |
|-------------|-----------|
| 01362-06001 | 6         |
| 01362-07001 | 7         |
| 01362-08001 | 8         |
| 01362-09001 | 9         |
| 01362-10001 | 10        |
| 01362-11001 | 11        |
| 01362-12001 | 12        |
| 01362-13001 | 13        |
| 01362-14001 | 14        |
| 01362-15001 | 15        |
| 01362-17001 | 17        |
| 01362-19001 | 19        |

## 4-WAY RATCHETING BOX WRENCH



- Gear is made of Chrome-Vanadium steel.
- Body is made of medium carbon steel.
- Reversible switch available for changing direction.
- Torque and hardness are guaranteed to meet ANSI or DIN specification.

| Item No.    | Size (mm)         |
|-------------|-------------------|
| 01361-67891 | 6 x 7 x 8 x 9     |
| 01361-68901 | 6 x 8 x 9 x 10    |
| 01361-68021 | 6 x 8 x 10 x 12   |
| 01361-90121 | 9 x 10 x 11 x 12  |
| 01361-02341 | 10 x 12 x 13 x 14 |
| 01361-12341 | 11 x 12 x 13 x 14 |
| 01361-34791 | 13 x 14 x 17 x 19 |
| 01361-57911 | 15 x 17 x 19 x 21 |

## 4-WAY RATCHETING REFRIGERATION WRENCH



- Gear is made of Chrome-Vanadium steel.
- Body is made of medium carbon steel.
- Square box with 4 sizes.

| Item No.    | Size (inch)              |
|-------------|--------------------------|
| 01310-34561 | 3/16", 5/16", 1/4", 3/8" |

## 72T MULTI-GEAR COMBINATION WRENCH



- Gear is made of Chrome-Molybdenum steel.
- Body is made of CR-V or stainless.
- With innovative design of 72 teeth allows operation within space less than 5°.
- Torque and hardness are guaranteed to meet ANSI or DIN specification.

| Item No.    | Size (mm) |
|-------------|-----------|
| 01353-00081 | 8         |
| 01353-00091 | 9         |
| 01353-00101 | 10        |
| 01353-00111 | 11        |
| 01353-00121 | 12        |
| 01353-00131 | 13        |
| 01353-00141 | 14        |
| 01353-00151 | 15        |
| 01353-00161 | 16        |
| 01353-00171 | 17        |
| 01353-00181 | 18        |
| 01353-00191 | 19        |

## 72T MULTI-GEAR FLEX COMBINATION WRENCH



- Gear is made of Chrome-Molybdenum steel.
- Body is made of CR-V or stainless.
- Unilateral swivel head allows 180° rotation.
- With innovative design of 72 teeth allows operation within space less than 5°.
- Torque and hardness are guaranteed to meet

ANSI or DIN specification.

| Item No.    | Size (mm) |
|-------------|-----------|
| 01354-72081 | 8         |
| 01354-72091 | 9         |
| 01354-72101 | 10        |
| 01354-72111 | 11        |
| 01354-72121 | 12        |
| 01354-72131 | 13        |
| 01354-72141 | 14        |
| 01354-72151 | 15        |
| 01354-72161 | 16        |
| 01354-72171 | 17        |
| 01354-72181 | 18        |
| 01354-72191 | 19        |



# Hex Keys

- 31 SHORT ARM HEX KEY
- 31 LONG ARM HEX KEY
- 31 LONG ARM BALL-POINT HEX KEY
- 31 EXTRA LONG ARM BALL-POINT HEX KEY
- 31 TWO WAY T-HANDLE



## SHORT ARM HEX KEY



- Chrome vanadium steel.
- Black finish.

| Item No.                        | 902151-09006 | 902101-09006 |
|---------------------------------|--------------|--------------|
| Description                     | Metric (mm)  | SAE (inch)   |
| Short Arm Hex Key<br>9pcs / SET | 1.5          | 5/64         |
|                                 | 2.0          | 3/32         |
|                                 | 2.5          | 1/8          |
|                                 | 3.0          | 5/32         |
|                                 | 4.0          | 3/16         |
|                                 | 5.0          | 7/32         |
|                                 | 6.0          | 1/4          |
|                                 | 8.0          | 5/16         |
|                                 | 10.0         | 3/8          |

## EXTRA LONG ARM BALL POINT HEX KEY



- Chrome vanadium steel.
- Chrome Plated.

| Item No.                                        | 902053-09001 | 902003-09001 |
|-------------------------------------------------|--------------|--------------|
| Description                                     | Metric (mm)  | SAE (inch)   |
| Extra Long Arm Ball-Point<br>Hex Key 9pcs / SET | 1.5          | 5/64         |
|                                                 | 2.0          | 3/32         |
|                                                 | 2.5          | 1/8          |
|                                                 | 3.0          | 5/32         |
|                                                 | 4.0          | 3/16         |
|                                                 | 5.0          | 7/32         |
|                                                 | 6.0          | 1/4          |
|                                                 | 8.0          | 5/16         |
|                                                 | 10.0         | 3/8          |

## LONG ARM HEX KEY



- Chrome vanadium steel.
- Black finish.

| Item No.                       | 902152-09001.31 | 902102-09001.31 |
|--------------------------------|-----------------|-----------------|
| Description                    | Metric (mm)     | SAE (inch)      |
| Long Arm Hex Key<br>9pcs / SET | 1.5             | 1/16            |
|                                | 2.0             | 5/64            |
|                                | 2.5             | 3/32            |
|                                | 3.0             | 1/8             |
|                                | 4.0             | 5/32            |
|                                | 5.0             | 3/16            |
|                                | 6.0             | 1/4             |
|                                | 8.0             | 5/16            |
|                                | 10.0            | 3/8             |

## TWO WAY T-HANDLE HEX KEY



- Chrome vanadium steel.
- Chrome Plated.

| Item No.    | Metric (mm) | SAE (inch) |
|-------------|-------------|------------|
| 02054-02001 | 2.0         | 5/64       |
| 02054-02501 | 2.5         | 3/32       |
| 02054-03001 | 3.0         | 1/8        |
| 02054-04001 | 4.0         | 5/32       |
| 02054-05001 | 5.0         | 3/16       |
| 02054-06001 | 6.0         | 1/4        |
| 02054-08001 | 8.0         | 5/16       |
| 02054-10001 | 10.0        | 3/8        |

## LONG ARM BALL POINT HEX KEY



- Chrome vanadium steel.
- Chrome Plated.

| Item No.                                  | 902052-09001 | 902002-09001 |
|-------------------------------------------|--------------|--------------|
| Description                               | Metric (mm)  | SAE (inch)   |
| Long Arm Ball-Point<br>Hex Key 9pcs / SET | 1.5          | 5/64         |
|                                           | 2.0          | 3/32         |
|                                           | 2.5          | 1/8          |
|                                           | 3.0          | 5/32         |
|                                           | 4.0          | 3/16         |
|                                           | 5.0          | 7/32         |
|                                           | 6.0          | 1/4          |
|                                           | 8.0          | 5/16         |
|                                           | 10.0         | 3/8          |

## TWO-WAY T-HANDLE HEX KEY SET



- Chrome vanadium steel.
- Chrome Plated.

| Item No.                                             | 902054-08001 | 902004-08001 |
|------------------------------------------------------|--------------|--------------|
| Description                                          | Metric (mm)  | SAE (inch)   |
| Two-Way T-Handle<br>Ball-Point<br>Hex Key 8pcs / SET | 2.0          | 5/64         |
|                                                      | 2.5          | 3/32         |
|                                                      | 3.0          | 1/8          |
|                                                      | 4.0          | 5/32         |
|                                                      | 5.0          | 3/16         |
|                                                      | 6.0          | 1/4          |
|                                                      | 8.0          | 5/16         |
|                                                      | 10.0         | 3/8          |

# Adjustable Wrenches

- 32 DUAL-SNAP ADJ. WRENCH
- 33 TOUCAN ADJ. WRENCH
- 34 TIGER'S PAW ADJ. WRENCH
- 34 SPECIALIST ADJ. WRENCH
- 35 RATCHETING ADJ. WRENCH
- 35 STUBBY ADJ. WRENCH

**Dual Snap MH**  
Adjustable Wrench

Worldwide Awarded



**REVOLUTIONARY  
INVENTION**

## DUAL-SNAP ADJUSTABLE WRENCH



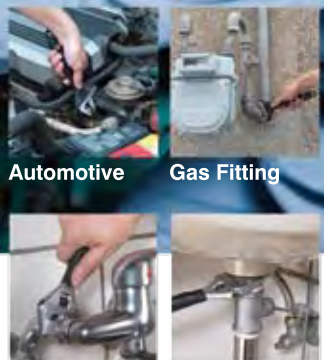
- A "Snapable" Wrench working as a Spanner.
- Convenient and 5-time faster operation.
- Combining Dual Teeth to fit all the nuts of Metric and SAE specification with the best precision.
- Release the jaw with one easy pull.
- No noise.
- The moving jaw gets locked in double securities.

| Item No.    | Size (inch / mm) | Handle Grip |
|-------------|------------------|-------------|
| 03107-08001 | 8" / 200         | Steel       |
| 03107-08011 | 8" / 200         | Steel+TPR   |



# TOUCAN TYPE

• Installation



Faucet

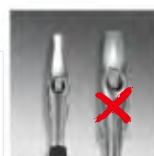
Pipe line



**Chrome Vanadium, exceeding international standards:**  
ISO 6787-1982, ASME B.107.8M-1996, BS 6333-1995, Din 3117-1988, JIS B4604-1976 Heavy Duty, SABS 1211-1984 Heavy Duty, CNS, etc.

## Benefits: Easy & Cozy

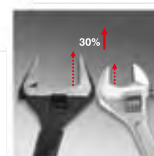
- Extra value: Greater jaw capacity, 55% wider than traditional one.
- Above exception: A smaller angle, 15° wrench, which offers speed, precision, ergonomic comfort and provides greater leverage.
- Slim-line: Super thin head allows to be used in a limited and narrow space.
- Coverage: Ideal for Plumbing, Automotive, Installation & Gas fitting industries.
- Origin: Design & Made in Taiwan
- Zoom in: Deep throat, the height of jaw is higher than general wrench about 30%.
- Yummy: Ergonomically designed handle provides a comfortable hand fit and warm touch.



Get lost, bulky head



Super big mouth



Reaching deeper

## TOUCAN ADJUSTABLE WRENCH



- Chrome vanadium steel, exceeding international standards as ISO 6787-1982, ASME B.107.8M, Din 3117-1988, JIS B4604-1976 Heavy Duty, etc.
- Super thin head allows to be used in a limited and narrow operation space.
- Great jaw opening is 55% wider than a traditional wrench. Deep throat, the height of jaw is 30% higher than a regular wrench.
- Its 15° angle aligning with the nut provides greater leverage and reducing hand & arm fatigue.
- Ergonomically designed TPR cushion handle provides a comfortable hand fit and a warm grip.
- Phosphate finish body & grinding head with scale.
- Ideal application for Plumbing, Automotive, Installation & Gas fitting industries.

| Item No.    | Size (inch / mm) | Jaw Opening Width (mm) | Load Test ANSI Min.(kgf-cm) |
|-------------|------------------|------------------------|-----------------------------|
| 03106-06006 | 6" / 150         | 34                     | 2203                        |
| 03106-08006 | 8" / 200         | 38.1                   | 3061                        |
| 03106-10006 | 10" / 250        | 50                     | 6800                        |

# Adjustable Wrenches

## TIGER'S PAW ADJUSTABLE WRENCH



- Patented design jaw for preventing nut from fastener damage.
- 18% to 25% wider jaw opening increases useful range of fastener sizes.
- Patented new geometric "Less Weight, Stronger Handle Design" reduces 10% of the overall weight of the tool.
- Special "non-protruding feature" on the movable jaw end allows a greater ease of use in tight spaces.
- Ergonomically designed TPR cushion handle provides a comfortable hand fit and a durable grip (patented).
- An easy to read arrow mark on the grip indicates the direction of proper use (Patented).
- The load test of Tiger's Paw performs 30% higher than ANSI standard.
- Matt finish with scale.

| Item No.    | Overall Length (mm) | Standard Opening Width (mm) | Tiger's Paw Opening Width (mm) | Load Test Min. (kgf-cm) |
|-------------|---------------------|-----------------------------|--------------------------------|-------------------------|
| 03100-04001 | 100                 | 13                          | 17.0                           | 900                     |
| 03100-06001 | 150                 | 19                          | 23.9                           | 2200                    |
| 03100-08001 | 200                 | 24                          | 28.6                           | 4000                    |
| 03100-10001 | 250                 | 29                          | 32.8                           | 6800                    |
| 03100-12001 | 300                 | 34                          | 38.1                           | 11500                   |
| 03100-15001 | 375                 | 43                          | 51.0                           | 22500                   |

## SPECIALIST ADJUSTABLE WRENCH



- Chrome Vanadium steel.
- Hot forged handle and jaw.
- Whole piece with heat treatment.
- Phosphate finish body & grinding head with scale.
- 18% to 25% wider jaw opening increases useful range of fastener sizes.
- Special "non-protruding feature" on the movable jaw end allows a greater ease of use in tight spaces.
- Perfectly matched knurl and teeth of jaw for smooth running.
- Performance exceeds world-wide industrial standard specification.
- 60% thicker than regular wrench handle.
- Its 15° angle aligning with the nut provides greater leverage distance thus reducing hand & arm fatigue.
- A swing angle of 15° is more suitable for operation in limited working area.

| Item No.    | Overall Length (mm) | Standard Opening Width (mm) | arca's Opening Width (mm) | The Usage Range for Nuts  |                       |
|-------------|---------------------|-----------------------------|---------------------------|---------------------------|-----------------------|
|             |                     |                             |                           | Metric Hexagon Nut's Size | SAE Hexgon Nut's Size |
| 03101-04006 | 100                 | 13                          | 17.0                      | M1~M10                    | W1/8~W3/8             |
| 03101-06006 | 150                 | 19                          | 23.9                      | M1~M16                    | W1/8~W1/2             |
| 03101-08006 | 200                 | 24                          | 28.6                      | M1~M18                    | W1/8~W5/8             |
| 03101-10006 | 250                 | 29                          | 32.8                      | M1~M22                    | W1/8~W3/4             |
| 03101-12006 | 300                 | 34                          | 38.1                      | M1~M24                    | W1/8~W7/8             |
| 03101-15006 | 375                 | 43                          | 50.0                      | M1~M33                    | W1/8~W1-1/4           |
| 03101-18006 | 450                 | 53                          | 60.0                      | M1~M39                    | W1/8~W1-1/2           |
| 03101-24006 | 600                 | 62                          | 70.0                      | M1~M45                    | W1/8~W1-3/4           |



A Comprehensive Line of Quality Hand Tools

# RATCHETING ADJUSTABLE WRENCH

## Features:

Anti-Slip: TPR material handle with ridged design ensures a strong grip.

Combination Function: Ratcheting & Adjusting.

Comfortable: "Neo-Comfort Grip" incorporates an artistic handle design.

Easy & Convenience: Swing without lifting up provides a greater ease of use in limited spaces.

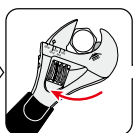
Faster: Ratcheting function offers the efficiency compared with the conventional ones, which helps the end-user get the job done faster.

Ratcheting Function: A breakthrough application on traditional hand tools.



Adjust the tip of moveable jaw toward the hex nut by turning the knurl. The opening of jaw must be the same as the nut width.

Push the wrench toward the hex nut to set the roller behind the driven corner. Make sure the side adjacent to the roller is completely against the arc.



## RATCHETING ADJUSTABLE WRENCH



- Chrome vanadium steel, exceeding international standards as ISO 6787-1982, ASME B.107.8M, Din 3117-1988, JIS B4604-1976 Heavy Duty, etc.
- Hot forged handle and jaw.
- Whole piece with heat treatment.
- Special "non-protruding feature" on the movable jaw end allows a greater ease of use in tight spaces.
- Ergonomically designed TPR cushion handle provides a comfortable hand fit and a durable grip (patented).
- World patented Ratcheting & Adjusting function offers a breakthrough application on traditional hand tools.
- Adjust the tip of moveable jaw toward the hex nut by turning the knurl. The opening of jaw must be the same as the nut width.
- Push the wrench toward the hex nut to set the roller behind the driven corner. Make sure the side adjacent to the roller is completely against the arc.

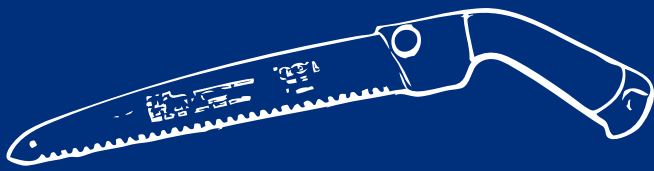
| Item No.    | Size (inch / mm) | Jaw Opening Width (mm) | Torque (kgf-m) ASME (Min.) |
|-------------|------------------|------------------------|----------------------------|
| 03105-06001 | 6" / 150         | 19                     | 16.74                      |
| 03105-08001 | 8" / 200         | 24                     | 30.61                      |
| 03105-10001 | 10" / 250        | 30                     | 52.00                      |

## STUBBY ADJUSTABLE WRENCH



- Chrome Vanadium steel.
- Ergonomically designed stylish TPR cushion handle.
- Compact size for easy storage and flexible usage in tight operation space.
- Mirror polish head with scale.

| Item No.    | Size (inch / mm) |
|-------------|------------------|
| 03103-06004 | 6" / 150         |
| 03103-08004 | 8" / 200         |



# Saws & Blades

- 37 FOLDABLE SAW
- 37 WALL BOARD SAW
- 37 FRAMEWORK SAW
- 37 PULLING SAW
- 37 BACK SAW
- 38 HAND SAW
- 38 HACK SAW FRAME
- 39 HOLE SAW KIT
- 39 CARBIDE TIPPED HOLE CUTTER
- 39 HACK SAW BLADE
- 40 BI-METAL HOLE SAW
- 40 ARBOUR FOR BI-METAL HOLE SAW



## JETWISE™ FOLDABLE SAW



- Jetwise™ Tothing provides a faster, smoother, and cleaner cutting experience.
- Dualgrip™ handle offers a comfortable grip while working.
- Impulse hardened teeth give the blade a much longer life with no resharping required.
- No tearing of the wood fiber, provides clean cutting surfaces, excellent for both tree pruning and carpentry.
- 2 Safety locking positions provides maximum protection during usage and while being carried.
- Foldable design for easy carrying.

| Item No.    | Size       | Handle    |
|-------------|------------|-----------|
| 04106-07012 | 7" (180mm) | ABS&TPR   |
| 04106-08012 | 8" (210mm) | ABS&TPR   |
| 04106-08002 | 8" (210mm) | Metal&TPR |

## DUALGRIP™ WALL BOARD SAW



- Blade material: SK5 Carbon Steel

| Item No.    | Size                | Handle | Saw blade     |
|-------------|---------------------|--------|---------------|
| 04104-18102 | 6"x1.8T(150mmx1.8T) | PP&TPR | Jetwise Teeth |

## JETWISE™ SAW FOR FRAMEWORK



- Application: Woodworking
- Available for 1.5P, 2.0P, 3.75P

| Item No.    | Size        | Handle | Saw blade     |
|-------------|-------------|--------|---------------|
| 04103-11002 | 11" (270mm) | PP&TPR | Jetwise Teeth |
| 04103-12002 | 12" (300mm) |        |               |

## JETWISE™ PULLING SAW-SINGLE EDGE



- Pull cutting action to save energy and able to do flush cutting.
- Thin blade provides accurate cutting with quick-release blade design.
- Easy to make openings on wood boards.

| Item No.    | Size        | Handle  | Saw blade     | Pitch |
|-------------|-------------|---------|---------------|-------|
| 04108-10012 | 10" (250mm) | ABS&TPR | Jetwise Teeth | 1.5   |

## JETWISE™ PULLING SAW-DOUBLE EDGE



- Pull cutting action to save energy and able to do flush cutting.
- Thin blade provides accurate cutting with quick-release blade design.
- Different tooth from on each edge of blade to do both cross and rip cutting.

| Item No.    | Size        | Handle  | Saw blade     | Pitch    |
|-------------|-------------|---------|---------------|----------|
| 04108-10022 | 10" (250mm) | ABS&TPR | Jetwise Teeth | 1.5/3.75 |

## BACK SAW



- Ideal for back sawing, dovetailing, model building and toy-making with high carbon steel blade.
- Individually packed in color sleeve.

| Item No.    | Size        | Handle  | Saw blade    |
|-------------|-------------|---------|--------------|
| 04105-10010 | 10" (250mm) | Plastic | Normal Teeth |
| 04105-10011 | 10" (250mm) |         | File Teeth   |
| 04105-12010 | 12" (300mm) |         | Normal Teeth |
| 04105-12011 | 12" (300mm) |         | File Teeth   |
| 04105-14010 | 14" (350mm) |         | Normal Teeth |
| 04105-14011 | 14" (350mm) |         | File Teeth   |

| Item No.    | Size        | Handle | Saw blade    |
|-------------|-------------|--------|--------------|
| 04105-10020 | 10" (250mm) | Wooden | Normal Teeth |
| 04105-10021 | 10" (250mm) |        | File Teeth   |
| 04105-12020 | 12" (300mm) |        | Normal Teeth |
| 04105-12021 | 12" (300mm) |        | File Teeth   |
| 04105-14020 | 14" (350mm) |        | Normal Teeth |
| 04105-14021 | 14" (350mm) |        | File Teeth   |

# Saws & Blades

## HAND SAW



- Best hardened & tempered high carbon European tool steel.
- Precision ground cutting teeth. Excellent for both rip & cross cut. Faster than general saws.
- Also available in wooden handle.

| Item No.    | Size        | Handle  | Saw blade         |
|-------------|-------------|---------|-------------------|
| 04107-14010 | 14" (350mm) | Plastic | Normal Teeth      |
| 04107-16010 | 16" (400mm) |         |                   |
| 04107-18010 | 18" (450mm) |         |                   |
| 04107-20010 | 20" (500mm) |         |                   |
| 04107-22010 | 22" (550mm) |         |                   |
| 04107-24010 | 24" (600mm) |         |                   |
| 04107-26010 | 26" (650mm) |         |                   |
| 04107-14011 | 14" (350mm) |         | Taper Filed Teeth |
| 04107-16011 | 16" (400mm) |         |                   |
| 04107-18011 | 18" (450mm) |         |                   |
| 04107-20011 | 20" (500mm) |         |                   |
| 04107-22011 | 22" (550mm) |         |                   |
| 04107-24011 | 24" (600mm) |         |                   |
| 04107-26011 | 26" (650mm) |         |                   |

## HACK SAW FRAME

- The comfortable aluminum handle is easy to hold.
- Good steel skeleton design offers great tensile strength.
- Speed cutting for right and 45 degree angles.
- Applicable for 10" and 12" hacksaw blade.



| Item No.    | Description                      | Handle   |
|-------------|----------------------------------|----------|
| 04210-12010 | Blade 10" (250mm) or 12" (300mm) | Aluminum |

## JETWISE™ HAND SAW



- Best hardened & tempered high carbon European tool steel.
- 3 sharp cutting edges on each tooth which cut wood fiber faster and cleaner.
- Each tooth is individually processed by CNC machine.
- Suitable for both rip or cross cut applications.
- Cuts much faster than conventional punched and filed teeth.

| Item No.    | Size        | Handle  | Saw blade     |
|-------------|-------------|---------|---------------|
| 04107-14022 | 14" (350mm) | ABS+TPR | Jetwise Teeth |
| 04107-16022 | 16" (400mm) |         |               |
| 04107-18022 | 18" (450mm) |         |               |
| 04107-20022 | 20" (500mm) |         |               |
| 04107-22022 | 22" (550mm) |         |               |
| 04107-24022 | 24" (600mm) |         |               |
| 04107-26022 | 26" (650mm) |         |               |

## MINI HACK SAW FRAME



- Aluminum alloy frame with plastic handle.
- Fits 6" blade.

| Item No.    | Description                     |
|-------------|---------------------------------|
| 04201-06010 | 6" (150mm) Sturdy Mini Hack Saw |

## A Comprehensive Line of Quality Hand Tools

### HOLE SAW KIT



- Suitable for wood door.

| Item No.         | Content                 |
|------------------|-------------------------|
| 904421-03002     | 1pc HCS hole saw 2+1/8" |
| 3pcs Lock        | 1pc Arbor               |
| Installation Kit | 1pc Wood bit 7/8"       |

### CARBIDE TIPPED HOLE CUTTER



- Materials: Tool steel+Carbide tipped.
- Diameter:Ø 16mm-Ø 79mm.
- Application: for cutting hard material such as stainless steel, steel plate, and cast steel.
- Cutting depth:1-15mm.

| Item No.    | Size         |
|-------------|--------------|
| 04402-00016 | 5/8"(16mm)   |
| 04402-00019 | 3/4"(19mm)   |
| 04402-00022 | 7/8"(22mm)   |
| 04402-00025 | 1"(25mm)     |
| 04402-00029 | 1.1/8"(29mm) |
| 04402-00032 | 1.1/4"(32mm) |
| 04402-00035 | 1.3/8"(35mm) |
| 04402-00038 | 1.1/2"(38mm) |
| 04402-00041 | 1.5/8"(41mm) |
| 04402-00044 | 1.3/4"(44mm) |
| 04402-00048 | 1.7/8"(48mm) |
| 04402-00051 | 2"(51mm)     |
| 04402-00054 | 2.1/8"(54mm) |
| 04402-00057 | 2.1/4"(57mm) |
| 04402-00060 | 2.3/8"(60mm) |
| 04402-00063 | 2-1/2"(63mm) |
| 04402-00070 | 2.3/4"(70mm) |
| 04402-00073 | 2.7/8"(73mm) |
| 04402-00076 | 3"(76mm)     |
| 04402-00079 | 3.1/8"(79mm) |

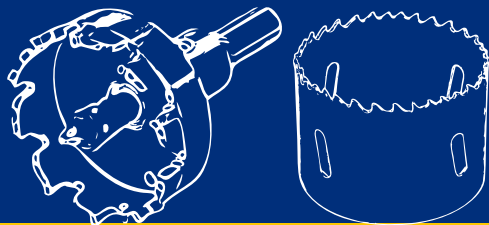
### HACK SAW BLADE



- Material: M2(SKH-9) High Speed Steel.
- Suitable for cutting metals, sharp and durable blade.

| HSS ALL HARD | HSS FLEXIBLE | HSS BI-METAL | Size (inch / mm) | T.P.I. | Width         | Thick          |
|--------------|--------------|--------------|------------------|--------|---------------|----------------|
| Item No.     | Item No.     | Item No.     |                  |        |               |                |
| 904301-10010 | 904302-10010 | 904303-10010 | 10" (250mm)      | 14T    | 1/2" (12.7mm) | 0.025"(0.62mm) |
| 904301-10021 | 904302-10020 | 904303-10020 |                  | 18T    |               |                |
| 904301-10031 | 904302-10030 | 904303-10030 |                  | 24T    |               |                |
| 904301-10041 | 904302-10040 | 904303-10040 |                  | 32T    |               |                |
| 904301-12011 | 904302-12010 | 904303-12010 | 12" (300mm)      | 14T    |               |                |
| 904301-12021 | 904302-12020 | 904303-12020 |                  | 18T    |               |                |
| 904301-12031 | 904302-12030 | 904303-12030 |                  | 24T    |               |                |
| 904301-12041 | 904302-12040 | 904303-12040 |                  | 32T    |               |                |

High Carbon Tool Steel(SK-5)"All Hard Painted", High Carbon Tool Steel(SK-5)"Flexible Painted"



# Saws & Blades

## BI-METAL HOLE SAW



- Cuts through various types of steel sheets, pipes and other materials such as hardwood, plywood and plastics.
- 4/6T variable pitch positive rake teeth.
- Vibration & shock resistant teeth.
- Solid cap.
- Cutting depth: 38mm (Also available in 47mm cutting depth.)
- Arbour:
  - Use 04420-01001 or 04420-01004 for 5/8"(16MM) to 1-3/16"(30MM) hole saws.
  - Use 04420-01002/ 04420-01005/04420-01009 for 1-1/4"(32MM) to 6"(152MM) hole saws.

| Item No.    | Size           | Item No.    | Size            |
|-------------|----------------|-------------|-----------------|
| 04421-01014 | 9/16"(14mm)    | 04421-01070 | 2.3/4"(70mm)    |
| 04421-01016 | 5/8"(16mm)     | 04421-01073 | 2.7/8"(73mm)    |
| 04421-01017 | 11/16"(17mm)   | 04421-01076 | 3"(76mm)        |
| 04421-01019 | 3/4"(19mm)     | 04421-01079 | 3.1/8"(79mm)    |
| 04421-01020 | ---(20mm)      | 04421-01083 | 3.1/4"(83mm)    |
| 04421-01021 | 13/16"(21mm)   | 04421-01086 | 3.3/8"(86mm)    |
| 04421-01022 | 7/8"(22mm)     | 04421-01089 | 3.1/2"(89mm)    |
| 04421-01024 | 15/16"(24mm)   | 04421-01092 | 3.5/8"(92mm)    |
| 04421-01025 | 1"(25mm)       | 04421-01095 | 3.3/4"(95mm)    |
| 04421-01027 | 1.1/16"(27mm)  | 04421-01098 | 3.7/8"(98mm)    |
| 04421-01029 | 1.1/8"(29mm)   | 04421-01102 | 4"(102mm)       |
| 04421-01030 | 1.3/16"(30mm)  | 04421-01105 | 4.1/8"(105mm)   |
| 04421-01032 | 1.1/4"(32mm)   | 04421-01108 | 4.1/4"(108mm)   |
| 04421-01035 | 1.3/8"(35mm)   | 04421-01111 | 4.3/8"(111mm)   |
| 04421-01038 | 1.1/2"(38mm)   | 04421-01114 | 4.1/2"(114mm)   |
| 04421-01040 | 1.9/16"(40mm)  | 04421-01121 | 4.3/4"(121mm)   |
| 04421-01041 | 1.5/8"(41mm)   | 04421-01127 | 5"(127mm)       |
| 04421-01044 | 1.3/4"(44mm)   | 04421-01133 | 5.1/4"(133mm)   |
| 04421-01046 | 1.13/16"(46mm) | 04421-01140 | 5.1/2"(140mm)   |
| 04421-01048 | 1.7/8"(48mm)   | 04421-01146 | 5.3/4"(146mm)   |
| 04421-01051 | 2"(51mm)       | 04421-01152 | 6"(152mm)       |
| 04421-01054 | 2.1/8"(54mm)   | 04421-01160 | 6.5/16"(160mm)  |
| 04421-01057 | 2.1/4"(57mm)   | 04421-01162 | 6.3/8"(162mm)   |
| 04421-01060 | 2.3/8"(60mm)   | 04421-01168 | 6.5/8"(168mm)   |
| 04421-01064 | 2.1/2"(64mm)   | 04421-01175 | 6.7/8"(175mm)   |
| 04421-01065 | 2.9/16"(65mm)  | 04421-01177 | 6.31/32"(177mm) |
| 04421-01067 | 2.5/8"(67mm)   | 04421-01210 | 8.9/32"(210mm)  |
| 04421-01068 | 2.11/16"(68mm) |             |                 |

## ARBOUR FOR BI-METAL HOLE SAW

| Item No.    | Shape | Description                                                                       |
|-------------|-------|-----------------------------------------------------------------------------------|
| 04420-01001 |       | Triangular shank 1/4"(6.35mm) fit hole saws 9/16"(14mm) to 1-3/16"(30mm) diameter |
| 04420-01002 |       | Hex shank 7/16" (11mm). Fit hole saws 1-1/4"(32mm) to 6"(152mm) diameter          |
| 04420-01003 |       | Hex shank 5/16" (8mm). Fit hole saws 9/16"(14mm) to 1-3/16"(30mm) diameter        |
| 04420-01004 |       | Hex shank 7/16" (11mm). Fit hole saws 9/16"(14mm) to 1-3/16"(30mm) diameter       |
| 04420-01005 |       | Hex shank 7/16" (11mm). Fit hole saws 1-1/4"(32mm) to 6" (152mm) diameter         |
| 04420-01006 |       | SDS Plus shank. Fit hole saws 9/16"(14mm) to 1-3/16"(30mm) diameter               |
| 04420-01007 |       | SDS Plus shank. Fit hole saws 1-1/4"(32mm) to 6"(152mm) diameter                  |
| 04420-01008 |       | Hex shank 3/8" (9.52511mm). Fit hole saws 9/16"(14mm) to 1-3/16" (30mm) diameter  |
| 04420-01009 |       | Hex shank 7/16" (11mm). Fit hole saws 1-1/4"(32mm) to 6"(152mm) diameter          |
| 04420-02001 |       | 1/4"x91mm HSS pilot drill                                                         |
| 04420-02002 |       | 1/4"x102mm HSS pilot drill                                                        |
| 04420-03001 |       | Spring                                                                            |
| 04420-04001 |       | Adapter, fit arbours 04420-01001/04420-01003/04420-01004                          |
| 04420-05001 |       | Hex key wrench, fit any arbours                                                   |
| 04420-06001 |       | 12" Extension bar, fits hex shank 7/16"(11mm) Arbour                              |

Other design/shank size available upon request

- 42 DEAD BLOW HAMMER
- 42 HAND CLUB HAMMER
- 43 BALL PEIN HAMMER
- 43 CURVED CLAW HAMMER





# Hammers

## Dead Blow Hammer



- This hammer's main body is of steel structure, and is filled with high-hard steel beads for striking auxiliary and shock absorption.
- The outside of this hammer is covered with a uniquely developed high impact-resistant synthetic rubber which prevents sudden cracks during application and prolongs the life of this hammer.
- It can withstand extreme temperatures between -30°C and 90°C, Ø45mm grips made of different hard synthetic rubbers can further limit numbness and injuries during heavy applications.

| Item No.    | Head Weight Oz.(Gram) | Overall Length | Diameter |
|-------------|-----------------------|----------------|----------|
| 05100-14350 | 14oz(400gm)           | 260mm          | 35mm     |
| 05100-18450 | 18oz(520gm)           | 286mm          | 45mm     |
| 05100-37550 | 37oz(1050gm)          | 350mm          | 55mm     |
| 05100-53650 | 52oz(1500gm)          | 370mm          | 65mm     |

## Hand Club Hammer



### Fiberglass Handle

- Forged medium carbon steel, hardened and tempered.
- Rust resistant, black baked paint finish on sides.
- Polish face and beveled.
- 50% fiberglass content handle boned with head by cold-heat-resistant, epoxy resin and fitted with rubber grip.

| Item No.    | Head Weight LB.(kg) | Overall Length |
|-------------|---------------------|----------------|
| 05403-02500 | 2.5lb (1.1kgs)      | 265mm          |

## Hand Club Hammer



### Wooden Handle

- Forged medium carbon steel, hardened and tempered.
- Rust resistant, black baked paint finish on sides.
- Polish face and beveled.
- Natural color finish hickory handle.
- Securely wedged with wood and metal wedges.

| Item No.    | Head Weight LB.(kg) | Overall Length |
|-------------|---------------------|----------------|
| 05402-02500 | 2.5lb (1.1kgs)      | 265mm          |



### Solid Steel One Piece

- Forged medium carbon steel, hardened and tempered.
- Striking face polished only.
- Black baked paint finished.
- Dampened vibration system grip.

| Item No.    | Head Weight LB.(kg) | Overall Length |
|-------------|---------------------|----------------|
| 05401-02500 | 2.5lb (1.1kgs)      | 265mm          |

## Ball Pein Hammer

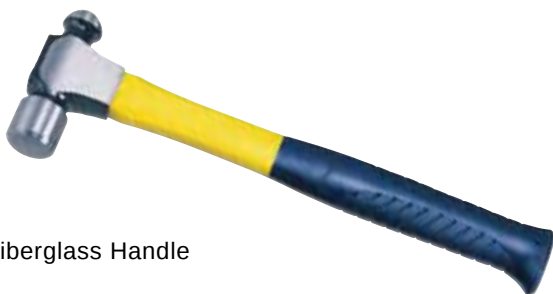


Wooden Handle

- Forged medium carbon steel, hardened and tempered.
- Black baked paint finish.
- Polished face, poll, cheeks and pein.
- Natural color finish hickory handle.
- Multiple wedges.

| Item No.    | Head Weight Oz.(Gram) | Overall Length |
|-------------|-----------------------|----------------|
| 05302-16000 | 16oz(454gm)           | 350mm          |
| 05302-24000 | 24oz(680gm)           | 396mm          |

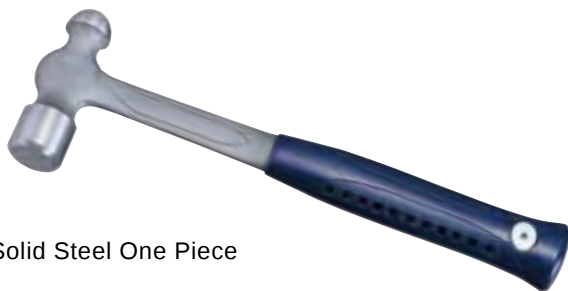
## Ball Pein Hammer



Fiberglass Handle

- Forged medium carbon steel, hardened and tempered.
- Black baked paint finish.
- Polished face, poll, cheeks and pein.
- Cold-heat-resistant epoxy resin bonding eliminates possibility of head coming off.
- Fiberglass handle with Arca deluxe rubber grip.

| Item No.    | Head Weight Oz.(Gram) | Overall Length |
|-------------|-----------------------|----------------|
| 05303-16000 | 16oz(454gm)           | 327mm          |
| 05303-20000 | 20oz(567gm)           | 330mm          |

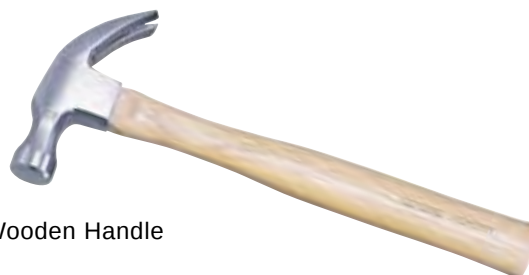


Solid Steel One Piece

- Forged medium carbon steel, hardened and tempered.
- Metallic lacquer coated.
- Striking face, bell and pein polished only.
- Dampened vibration system grip.

| Item No.    | Head Weight Oz.(Gram) | Overall Length |
|-------------|-----------------------|----------------|
| 05301-16000 | 16oz(454gm)           | 330mm          |

## Curved Claw Hammer



Wooden Handle

- High carbon steel drop forged head, hardened and tempered.
- Double beveled crotch.
- Handle is triple-wedged into eye with wood and steel wedges.
- General oval shape, natural color finish hickory handle.

| Item No.    | Head Weight Oz.(Gram) | Overall Length |
|-------------|-----------------------|----------------|
| 05202-16000 | 16oz(454gm)           | 329mm          |
| 05202-20000 | 20oz(567gm)           | 330mm          |



Fiberglass Handle

- High carbon steel drop forged head, hardened and tempered.
- Double beveled crotch.
- The handle and head are tapered and bonded with cold-heat-resistant epoxy resin for exact assembly.
- No possibility of the head coming off.
- Fiberglass handle with Arca deluxe rubber grip.

| Item No.    | Head Weight Oz.(Gram) | Overall Length |
|-------------|-----------------------|----------------|
| 05203-16000 | 16oz(454gm)           | 327mm          |
| 05203-20000 | 20oz(567gm)           | 329mm          |



Solid Steel One Piece

- Forged medium carbon steel in one piece, hardened and tempered.
- Fully polished head and handle.
- Double beveled nail slot.
- With Arca deluxe rubber grip.

| Item No.    | Head Weight Oz.(Gram) | Overall Length |
|-------------|-----------------------|----------------|
| 05201-16000 | 16oz(454gm)           | 331mm          |
| 05201-20000 | 20oz(567gm)           | 350mm          |

# Snips & Shears

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## Test Procedure:

- 1) Paper cutting test - one cut
- 2) Cloth cutting test - one cut
- 3) Metal cutting test - five cuts
- 4) Cloth cutting test - one cut
- 5) Paper cutting test - one cut

Each pair of shears has passed our qualification testing procedures, assuring a quality product.

## AVIATION TIN SNIPS



- Drop forged Chrome Molybdenum Alloy steel  
Induction hardened cutting edges 60-62 HRC.
- Cuts up to 18 gauge cold rolled steel or 22 gauge stainless steel.
- Features high-impact handle with fixed open width.

| Item No.    | Cutting Length (mm) | Overall Length (mm) | Cutting Capacities(mm) |                         |                         |                     |                 |
|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|-----------------|
|             |                     |                     | Copper (Soft)          | Cold-rolled Steel (Mid) | Hard Steel HRC30 (Hard) | Stainless Steel 304 | Cut-instruction |
| 06100-35101 | 35                  | 248                 | 1.50                   | 1.20                    | 0.80                    | 0.70                | Left Cut        |
| 06100-35201 | 35                  | 248                 | 1.50                   | 1.20                    | 0.80                    | 0.70                | Right Cut       |
| 06100-38301 | 38                  | 250                 | 1.50                   | 1.20                    | 0.80                    | 0.70                | Straight Cut    |
| 06100-25301 | 25                  | 230                 | 2.00                   | 1.60                    | 1.20                    | 1.20                | Notch Cut       |
| 06100-75301 | 75                  | 290                 | 1.10                   | 0.94                    | 0.70                    | 0.53                | Long Cut        |

## OFFSET TIN SNIPS



- Offset blades keep hands away from metal.
- Drop forged Chrome Molybdenum Alloy steel.
- Induction hardened cutting edges 60-62 HRC.
- Cuts up to 18 gauge cold rolled steel or 22 gauge stainless steel.
- Features high-impact handle with fixed open width.

| Item No.    | Cutting Length (mm) | Overall Length (mm) | Cutting Capacities(mm) |                         |                         |                     |                 |
|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|-----------------|
|             |                     |                     | Copper (Soft)          | Cold-rolled Steel (Mid) | Hard Steel HRC30 (Hard) | Stainless Steel 304 | Cut-instruction |
| 06110-35101 | 35                  | 235                 | 1.50                   | 1.20                    | 1.00                    | 0.70                | Left Cut        |
| 06110-35201 | 35                  | 235                 | 1.50                   | 1.20                    | 1.00                    | 0.70                | Right Cut       |

## VERTICAL OFFSET SNIPS



- Great angle blades make cutting complete circles easily in tight spaces.
- Drop forged Chrome Molybdenum Alloy steel.
- Induction hardened cutting edges 60-62 HRC.
- Cuts up to 24 gauge cold rolled steel sheet or 28 gauge stainless steel sheet.

| Item No.    | Cutting Length (mm) | Overall Length (mm) | Cutting Capacities(mm) |                         |                         |                     |                 |
|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|-----------------|
|             |                     |                     | Copper (Soft)          | Cold-rolled Steel (Mid) | Hard Steel HRC30 (Hard) | Stainless Steel 304 | Cut-instruction |
| 06112-32101 | 30                  | 220                 | 1.50                   | 1.20                    | 1.00                    | 0.70                | Left Cut        |
| 06112-32201 | 30                  | 220                 | 1.50                   | 1.20                    | 1.00                    | 0.70                | Right Cut       |

# Snips & Shears

## LONG STYLE OFFSET SNIPS



- Longer blades cut faster and help out material away from hands.
- Drop forged Chrome Molybdenum Alloy steel blades.
- Induction hardened cutting edges 60-62 HRC
- Cuts up to 20 gauge cold rolled steel or 24 gauge stainless steel sheet metal.

| Item No.    | Cutting Length (mm) | Overall Length (mm) | Cutting Capacities(mm) |                         |                         |                     | Cut-instruction |
|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|-----------------|
|             |                     |                     | Copper (Soft)          | Cold-rolled Steel (Mid) | Hard Steel HRC30 (Hard) | Stainless Steel 304 |                 |
| 06110-48102 | 48                  | 270                 | 1.10                   | 0.94                    | 0.70                    | 0.53                | Left Cut        |
| 06110-48202 | 48                  | 270                 | 1.10                   | 0.94                    | 0.70                    | 0.53                | Right Cut       |

## FIGURE TIN SNIPS



- Drop forged Chrome Molybdenum Alloy steel.
- Induction hardened cutting edges 60-62 HRC.
- Cuts up to 16 gauge cold rolled steel or 20 gauge stainless steel.
- Features high-impact handle with fixed open width.



| Item No.    | Cutting Length (mm) | Overall Length (mm) | Cutting Capacities(mm) |                         |                         |                     | Cut-instruction |
|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|-----------------|
|             |                     |                     | Copper (Soft)          | Cold-rolled Steel (Mid) | Hard Steel HRC30 (Hard) | Stainless Steel 304 |                 |
| 06101-35106 | 35                  | 260                 | 1.80                   | 1.50                    | 1.00                    | 0.90                | Left Cut        |
| 06101-35206 | 35                  | 260                 | 1.80                   | 1.50                    | 1.00                    | 0.90                | Right Cut       |
| 06101-35306 | 35                  | 260                 | 1.80                   | 1.50                    | 1.00                    | 0.90                | Straight Cut    |

## IDEAL OFFSET TIN SNIPS



- Offset blades keep hands away from metal.
- Drop forged Chrome Molybdenum Alloy steel.
- Induction hardened cutting edges 60-62 HRC.
- Cuts up to 16 gauge cold rolled steel or 20 gauge stainless steel.
- Features high-impact handle with fixed open width.



| Item No.    | Cutting Length (mm) | Overall Length (mm) | Cutting Capacities(mm) |                         |                         |                     | Cut-instruction |
|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|-----------------|
|             |                     |                     | Copper (Soft)          | Cold-rolled Steel (Mid) | Hard Steel HRC30 (Hard) | Stainless Steel 304 |                 |
| 06111-32106 | 32                  | 260                 | 1.80                   | 1.50                    | 1.00                    | 1.00                | Left Cut        |
| 06111-32206 | 32                  | 260                 | 1.80                   | 1.50                    | 1.00                    | 1.00                | Right Cut       |

## ENGLISH SNIPS



- Traditional English style snips.
- One-piece forged construction.
- Comfortable vinyl coated handles.
- Induction hardened cutting edges 58-61 HRC.
- Dropped forged high carbon steel construction.

| Item No.    | Cutting Length (mm) | Overall Length (mm) | Cutting Capacities(mm) |                         |                         |                     |
|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|
|             |                     |                     | Copper (Soft)          | Cold-rolled Steel (Mid) | Hard Steel HRC30 (Hard) | Stainless Steel 304 |
| 06122-08001 | 42                  | 8" / 203mm          | 0.70                   | 0.61                    | 0.50                    | 0.41                |
| 06122-10001 | 52                  | 10" / 254mm         | 0.94                   | 0.78                    | 0.60                    | 0.45                |
| 06122-12001 | 60                  | 12" / 305mm         | 1.15                   | 0.91                    | 0.70                    | 0.63                |
| 06122-14001 | 65                  | 14" / 356mm         | 1.40                   | 1.20                    | 1.00                    | 0.70                |

## STRAIGHT PATTERN SNIPS



- One-piece forged construction.
- Cushion handle with smooth, comfortable bows.
- Designed for notching or trimming extra heavy stock.
- Induction hardened cutting edges 58-61 HRC.
- Dropped forged high carbon steel construction.

| Item No.    | Cutting Length (mm) | Overall Length (mm) | Cutting Capacities(mm) |                         |                         |                     |
|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|
|             |                     |                     | Copper (Soft)          | Cold-rolled Steel (Mid) | Hard Steel HRC30 (Hard) | Stainless Steel 304 |
| 06121-07301 | 40                  | 7" / 178mm          | 0.60                   | 0.56                    | 0.40                    | 0.38                |
| 06121-08301 | 40                  | 8" / 203mm          | 0.70                   | 0.61                    | 0.50                    | 0.41                |
| 06121-10301 | 51                  | 10" / 254mm         | 0.94                   | 0.78                    | 0.60                    | 0.45                |
| 06121-12301 | 70                  | 12" / 305mm         | 1.15                   | 0.91                    | 0.70                    | 0.63                |
| 06121-14301 | 76                  | 14" / 356mm         | 1.41                   | 1.20                    | 1.00                    | 0.70                |
| 06121-16301 | 63                  | 16" / 406mm         | 2.00                   | 1.60                    | 1.20                    | 1.00                |

## STEEL STRAP CUTTER



- One-piece forged construction.
- Durable vinyl coated handles.
- Dropped forged high carbon steel construction.
- Induction hardened cutting edges 58-61 HRC.
- Cuts up to 28mm in width, 0.8mm in thickness.

| Item No.    | Cutting Length (mm) | Overall Length (mm) | Cutting Capacities(mm) |                         |                         |                     |
|-------------|---------------------|---------------------|------------------------|-------------------------|-------------------------|---------------------|
|             |                     |                     | Copper (Soft)          | Cold-rolled Steel (Mid) | Hard Steel HRC30 (Hard) | Stainless Steel 304 |
| 06130-28086 | 32                  | 12" / 305mm         | -                      | 1.00                    | 0.80                    | 0.60                |

# Snips & Shears

## MULTIPURPOSE HEAVY DUTY SHEARS



- Handles adjustable to fit any hand comfortably.
- Handles made of PP and TPR overmolded.
- Blades made of 4mm SUS 420J2 stainless steel, HRC 50-54.
- Bolt made of JIS SCM 435 alloy steel security bolt (Class 10.9).
- Serrated blade for gripping materials.
- For shearing: wood sticks, dowel rods, cardboard, rope, cord and many other materials.
- With wire cutting notch, cuts up to  $\phi$  2.5mm soft metal wire.
- Patent pending.

| Item No.    | Cutting Length | Overall Length |
|-------------|----------------|----------------|
|             | inch / mm      | inch / mm      |
| 06203-08000 | 2" (50mm)      | 8" (205mm)     |

## ELECTRICIAN SHEARS LIGHT DUTY CABLE CUTTER



- Blades made of SUS 420J2 stainless steel with heat treatment to HRC 50~54.
- Bolt made of SUS 302 stainless steel cold forged.
- Lock Nut made of SUS 302 stainless steel.
- Washer made of SUS 420J2 stainless steel with heat treatment.

| Item No.    | Cutting Capacity   | Overall Length | Handle   |
|-------------|--------------------|----------------|----------|
|             | inch / mm          | inch / mm      | Material |
| 06201-65000 | $\phi$ 3/8" (10mm) | 6+1/2" (165mm) | PP       |
| 06201-65001 | $\phi$ 3/8" (10mm) | 6+1/2" (165mm) | PP+TPR   |

## MULTI-PURPOSE ELECTRICIAN'S SHEARS



- Handles made of Nylon with 30% fiberglass.
- Blades made of high carbon stainless steel with Molybdenum and Vanadium.
- HRC 58-60.
- Bolt made of JIS SCM 435 alloy steel (Class 10.9).
- Serrated blade for gripping materials.
- For shearing: soft cable (up to 22mm<sup>2</sup>), insulation materials, electrical tape, cable tie, stripping insulation and many other materials.

| Item No.    | Cutting Length | Overall Length |
|-------------|----------------|----------------|
|             | inch / mm      | inch / mm      |
| 06202-55000 | 1+5/8" (42mm)  | 5+1/2" (138mm) |



A Comprehensive Line of Quality Hand Tools

- 50 NYLON CLAD STEEL LONG TAPE
- 50 FIBERGLASS LONG TAPE
- 50 LONG STEEL TAPE
- 50 MEASURING WHEEL
- 51 STEEL POCKET TAPE
- 51 ALUMINUM BOX LEVEL





# Measuring Tapes

## NYLON CLAD STEEL TAPE



- 3X gear driven, the rewind speed is 3 times faster than regular long tapes.
- Flexible and easy to use, steel and nylon combined tapes offer superior durability.
- due to tougher tape edge.
- Rust-proof tape-easy to clean, protects against sea water & corrosion making it almost unbeatable.
- Very accurate measurement reading.
- Pointed tip for better handling.
- Nylon clad tape.

| Item No.    | Size                       |
|-------------|----------------------------|
| 07206-30101 | 30M / 100FT x 10mm (3/8")  |
| 07206-50101 | 50M / 165FT x 10mm (3/8")  |
| 07206-60101 | 60M / 200FT x 10mm (3/8")  |
| 07206-00101 | 100M / 330FT x 10mm (3/8") |

## FIBERGLASS TAPE



- High impact ABS case.
- Two color case with comfortable rubber grip.
- Fiberglass tape with special wear resistance ink printing.
- Quick & Easy To Use Winding Drum.

| Item No.    | Size                       |
|-------------|----------------------------|
| 07204-30131 | 30M / 100FT x 13mm (1/2")  |
| 07204-50131 | 50M / 165FT x 13mm (1/2")  |
| 07204-00131 | 100M / 330FT x 13mm (1/2") |

## LONG STEEL TAPE (LTR type)



- High impact ABS case.
- Shock resistant rubber protection.
- Comfortable Non-slip rubber grip.
- Folding rewind handle for fast retrieval.

| Item No.    | Size                       |
|-------------|----------------------------|
| 07202-10951 | 10M / 33FT x 9.5mm (3/8")  |
| 07202-15951 | 15M / 50FT x 9.5mm (3/8")  |
| 07202-20951 | 20M / 65FT x 9.5mm (3/8")  |
| 07202-30951 | 30M / 100FT x 9.5mm (3/8") |

## MEASURING WHEEL

- Ergonomic pistol designed grip handle
- Convenient reset button and trigger brake all in handle
- Braking trigger to avoid "Free Wheeling" when measuring
- 5 digits magnified lens for easy reading
- Measures up to 9999.9 meter (SAE scale is also available for your option)
- Wheel diameter 150MM (6")
- Accurately measures curved, vertical and horizontal surfaces
- Balance in-line design
- Weight only 2.4 pound (1.10KG), and foldable to one third size which is easy to carry around
- Zero-point indicator for accurate start
- Optional carry bag



| Item No.    | Wheel Outer Dia. |
|-------------|------------------|
| 07300-06000 | 150mm / 6"       |

## MEASURING WHEEL

- Ergonomic pistol designed grip handle
- Convenient reset button and trigger brake all in handle
- Braking trigger to avoid "Free Wheeling" when measuring
- 5 digits magnified lens for easy reading
- Measures up to 9999.9 meter (SAE scale is also available for your option)
- Wheel diameter 320MM (12.5")
- Complete with side kickstand
- Collapsible handle with carrying loop
- Dirt scraper designed to keep wheel accurate
- Zero-point indicator for accurate start
- Optional carry bag



| Item No.    | Wheel Outer Dia. |
|-------------|------------------|
| 07300-12000 | 320mm / 12.5"    |

## POCKET STEEL TAPE



- Ergonomically Designed.
- High impact ABS case (TJ Type).
- Easy Access thumb sliding lock system.
- Shock-absorbing blade return bumper.

| Item No.    | Size (inch/mm)          |
|-------------|-------------------------|
| 07107-30191 | 3M / 10FT x 16mm (5/8") |
| 07107-50191 | 5M / 16FT x 19mm (3/4") |
| 07107-50251 | 5M / 16FT x 25mm (1")   |
| 07107-75251 | 7.5M / 25FT x 25mm (1") |
| 07107-80251 | 8M / 26FT x 25mm (1")   |
| 07107-10251 | 10M / 33FT x 25mm (1")  |



- Ergonomically Designed.
- High impact ABS case (LD Type).
- Easy Access thumb sliding lock system.
- Shock-absorbing blade return bumper.

| Item No.    | Size (inch/mm)          |
|-------------|-------------------------|
| 07108-30131 | 3M / 10FT x 13mm (1/2") |
| 07108-50191 | 5M / 16FT x 19mm (3/4") |
| 07108-55251 | 5.5M / 18FT x 25mm (1") |
| 07108-80251 | 8M / 26FT x 25mm (1")   |
| 07108-10251 | 10M / 33FT x 25mm (1")  |



- Stainless steel protector case (TB Type).
- With protective belt which is able to prevent user's finger from getting injured when the tape is retracting.
- The belt clip can be adjustable in two position.
- Automatic blade lock.
- A soft duster is designed and set up in the entrance of the tape to dust off dirt while tape is retracting.
- Nylon coated blade for better abrasion resistance.

| Item No.    | Size (inch/mm)          |
|-------------|-------------------------|
| 07109-50251 | 5M / 16FT x 25mm (1")   |
| 07109-75251 | 7.5M / 25FT x 25mm (1") |
| 07109-80251 | 8M / 26FT x 25mm (1")   |

## POCKET STEEL TAPE



- Automatic blade lock.
- Push button retrieval.
- Rubber covered case (AU Type).
- Comfortable non-slip.
- Triple riveted end hook for lasting durability.
- Nylon coated blade.

| Item No.    | Size                    |
|-------------|-------------------------|
| 07106-30161 | 3M / 10FT x 16mm (5/8") |
| 07106-50191 | 5M / 16FT x 19mm (3/4") |
| 07106-50251 | 5M / 16FT x 25mm (1")   |
| 07106-75251 | 7.5M / 25FT x 25mm (1") |
| 07106-80251 | 8M / 26FT x 25mm (1")   |



- Stainless steel protector case (TSM Type) for high impact resistance.
- Comfortable Non-slip rubber grip.
- Nylon coated blade for better abrasion resistance.
- Shock absorbing blade return bumper.
- Easy access rocking thumb lock.
- Ergonomically designed.

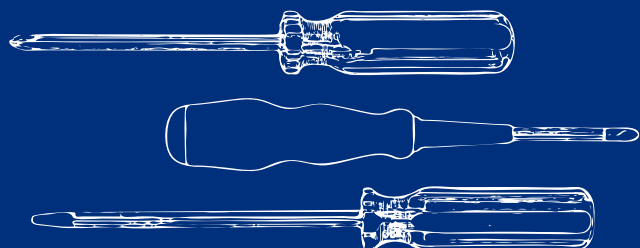
| Item No.    | Size                    |
|-------------|-------------------------|
| 07105-30191 | 3M / 10FT x 19mm (3/4") |
| 07105-50191 | 5M / 16FT x 19mm (3/4") |
| 07105-50251 | 5M / 16FT x 25mm (1")   |
| 07105-75251 | 7.5M / 25FT x 25mm (1") |
| 07105-80251 | 8M / 26FT x 25mm (1")   |
| 07105-10251 | 10M / 33FT x 25mm (1")  |

## ALUMINUM BOX LEVEL



- Sturdy aluminum frame.
- Blue powder coated finish.
- Measuring accuracy 1.0mm per meter.
- Available sizes from 12" to 72".
- Magnetic base is optional.

| Item No.    | Size (inch/mm) |
|-------------|----------------|
| 07401-12000 | 12" / 300mm    |
| 07401-16000 | 16" / 400mm    |
| 07401-18000 | 18" / 450mm    |
| 07401-24000 | 24" / 600mm    |
| 07401-36000 | 36" / 900mm    |
| 07401-48000 | 48" / 1200mm   |
| 07401-60000 | 60" / 1500mm   |
| 07401-72000 | 72" / 1800mm   |



# Screwdrivers

- 53 HOLDING BEST SCREWDRIVER
- 54 PRO-GRIP IMPACT SCREWDRIVER
- 55 TWINMAT SCREWDRIVER
- 56 ERGO-STRICKER SCREWDRIVER
- 57 SQUARE LUSTER SCREWDRIVER
- 58 STANDARD GRIP SCREWDRIVER
- 59 POWERDRIVE SCREWDRIVER
- 59 PRECISION SCREWDRIVER
- 60 PRECISION SCREWDRIVER



## HOLDING BEST SCREWDRIVER



- Pro-Grip Electrical is a bi-material injection screwdriver.
- The soft and comfortable cushioned grips are ergonomically sound.
- This design allows maximum efficiency whilst limiting hand fatigue.
- The extra insulation is perfect for electricians.

| Item No.    | Blade         | Tip Size(mm)      |
|-------------|---------------|-------------------|
|             | Dia. x Length | Thickness x Width |
| 08111-03030 | 3.2mm x 3"    | 0.5 x 3.17        |
| 08111-05040 | 5mm x 4"      | 0.76 x 4.76       |
| 08111-05060 | 5mm x 6"      | 0.76 x 4.76       |
| 08111-06010 | 6mm x 1.5"    | 0.94 x 6.35       |
| 08111-06040 | 6mm x 4"      | 0.94 x 6.35       |
| 08111-06060 | 6mm x 6"      | 0.94 x 6.35       |
| 08111-08060 | 8mm x 6"      | 1.07 x 7.94       |



| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08211-00030 | 3.2mm x 3"    | PH#0       |
| 08211-01040 | 5mm x 4"      | PH#1       |
| 08211-01060 | 5mm x 6"      | PH#1       |
| 08211-02010 | 6mm x 1.5"    | PH#2       |
| 08211-02040 | 6mm x 4"      | PH#2       |
| 08211-02060 | 6mm x 6"      | PH#2       |
| 08211-03060 | 8mm x 6"      | PH#3       |



| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08711-01040 | 5mm x 4"      | PZ#1       |
| 08711-02040 | 6mm x 4"      | PZ#2       |

## HOLDING BEST SCREWDRIVER



| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08411-00040 | 5mm x 4"      | R0         |
| 08411-01040 | 5mm x 4"      | R1         |
| 08411-02040 | 6mm x 4"      | R2         |
| 08411-02060 | 6mm x 6"      | R3         |



| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08511-10040 | 5mm x 4"      | T10        |
| 08511-15040 | 5mm x 4"      | T15        |
| 08511-20040 | 6mm x 4"      | T20        |
| 08511-25040 | 6mm x 4"      | T25        |



| Item No.        | Description |   | Size              |
|-----------------|-------------|---|-------------------|
|                 |             |   |                   |
| 908311-02000.10 | 2 pcs / SET | ⊖ | 3.2mm x 3"        |
|                 |             | ⊕ | 3.2mm x 3" x PH#0 |



| Item No.        | Description |   | Size            |
|-----------------|-------------|---|-----------------|
|                 |             |   |                 |
| 908311-06000.00 | 6 pcs / SET | ⊖ | 5mm x 4"        |
|                 |             | ⊖ | 5mm x 6"        |
|                 |             | ⊖ | 6mm x 4"        |
|                 |             | ⊖ | 8mm x 6"        |
|                 |             | ⊕ | 5mm x 4" x PH#1 |
|                 |             | ⊕ | 6mm x 4" x PH#2 |

# Screwdrivers

## HOLDING BEST SCREWDRIVER



| Item No.        | Description |   | Size            |
|-----------------|-------------|---|-----------------|
| 908311-06000.10 | 6 pcs / SET | ⊖ | 5mm x 4"        |
|                 |             | ⊖ | 5mm x 6"        |
|                 |             | ⊖ | 6mm x 4"        |
|                 |             | ⊖ | 8mm x 6"        |
|                 |             | ⊕ | 5mm x 4" x PH#1 |
|                 |             | ⊕ | 6mm x 4" x PH#2 |



| Item No.     | Description                                                                                               |   | Size                      |
|--------------|-----------------------------------------------------------------------------------------------------------|---|---------------------------|
| 908311-20400 | 204 pcs / SET<br>w/ Dust-Proof<br>Display Stand<br>40 pcs in display<br>stand and<br>164 pcs for<br>spare | ⊖ | 3.2mm x 3" x 24pcs        |
|              |                                                                                                           | ⊖ | 5mm x 4" x 24pcs          |
|              |                                                                                                           | ⊖ | 6mm x 1.5" x 24pcs        |
|              |                                                                                                           | ⊖ | 6mm x 4" x 24pcs          |
|              |                                                                                                           | ⊖ | 8mm x 6" x 6pcs           |
|              |                                                                                                           | ⊕ | 3.2mm x 3" x PH#0 x 24pcs |
|              |                                                                                                           | ⊕ | 5mm x 4" x PH#1 x 24pcs   |
|              |                                                                                                           | ⊕ | 5mm x 1.5" x PH#2 x 24pcs |
|              |                                                                                                           | ⊕ | 6mm x 4" x PH#2 x 24pcs   |
|              |                                                                                                           | ⊕ | 8mm x 6" x PH#3 x 6pcs    |

## PRO-GRIP IMPACT SCREWDRIVER

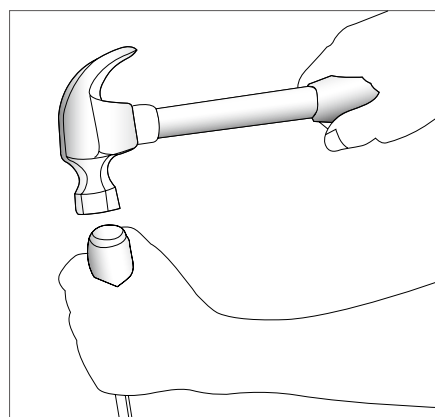
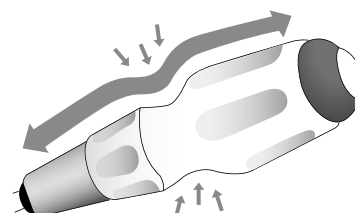


- Pro-Grip Impact is a heavy duty impact screwdriver.
- The blades are completely design over-molded through to the end of the handles for hard striking.
- The cushion grip handle provides fatigue free driving, as well as excellent comfort.

| Item No.    | Blade         | Tip Size(mm)      |
|-------------|---------------|-------------------|
|             | Dia. x Length | Thickness x Width |
| 08112-05040 | 5mm x 4"      | 0.76 x 4.76       |
| 08112-05060 | 5mm x 6"      | 0.76 x 4.76       |
| 08112-06040 | 6mm x 4"      | 0.94 x 6.35       |
| 08112-06060 | 6mm x 6"      | 0.94 x 6.35       |
| 08112-08060 | 8mm x 6"      | 1.07 x 7.94       |



| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08212-01040 | 5mm x 4"      | PH#1       |
| 08212-01060 | 5mm x 6"      | PH#1       |
| 08212-02040 | 6mm x 4"      | PH#2       |
| 08212-02060 | 6mm x 6"      | PH#2       |
| 08212-03060 | 8mm x 6"      | PH#3       |



## TWINMAT SCREWDRIVER



- Special combined material ergonomic handle.
- CR-V material meet ASME standard.
- Round magnetic blade with black tip.

| Item No.    | Blade              | Tip Size          |
|-------------|--------------------|-------------------|
|             | Dia. x Length      | Thickness x Width |
| 08120-03020 | 3.2mm x 2" (50mm)  | 0.5 x 3.17 mm     |
| 08120-03030 | 3.2mm x 3" (75mm)  | 0.5 x 3.17 mm     |
| 08120-03040 | 3.2mm x 4" (100mm) | 0.5 x 3.17 mm     |
| 08120-05030 | 5mm x 3" (75mm)    | 0.76 x 4.76 mm    |
| 08120-05040 | 5mm x 4" (100mm)   | 0.76 x 4.76 mm    |
| 08120-05050 | 5mm x 5" (125mm)   | 0.76 x 4.76 mm    |
| 08120-05060 | 5mm x 6" (150mm)   | 0.76 x 4.76 mm    |
| 08120-05080 | 5mm x 8" (200mm)   | 0.76 x 4.76 mm    |
| 08120-05100 | 5mm x 10" (250mm)  | 0.76 x 4.76 mm    |
| 08120-06010 | 6mm x 1.5" (38mm)  | 1.02 x 6.35 mm    |
| 08120-06040 | 6mm x 4" (100mm)   | 1.02 x 6.35 mm    |
| 08120-06060 | 6mm x 6" (150mm)   | 1.02 x 6.35 mm    |
| 08120-08060 | 8mm x 6" (150mm)   | 1.07 x 7.94 mm    |
| 08120-08080 | 8mm x 8" (200mm)   | 1.07 x 7.94 mm    |
| 08120-08100 | 8mm x 10" (250mm)  | 1.07 x 7.94 mm    |

## TWINMAT SCREWDRIVER



| Item No.    | Blade              | Tip Size |
|-------------|--------------------|----------|
|             | Dia. x Length      |          |
| 08220-00020 | 3.2mm x 2" (50mm)  | PH#0     |
| 08220-00030 | 3.2mm x 3" (75mm)  | PH#0     |
| 08220-00040 | 3.2mm x 4" (100mm) | PH#0     |
| 08220-01030 | 5mm x 3" (75mm)    | PH#1     |
| 08220-01040 | 5mm x 4" (100mm)   | PH#1     |
| 08220-01050 | 5mm x 5" (125mm)   | PH#1     |
| 08220-01060 | 5mm x 6" (150mm)   | PH#1     |
| 08220-01080 | 5mm x 8" (200mm)   | PH#1     |
| 08220-01100 | 5mm x 10" (250mm)  | PH#1     |
| 08220-02010 | 6mm x 1.5" (38mm)  | PH#2     |
| 08220-02040 | 6mm x 4" (100mm)   | PH#2     |
| 08220-02060 | 6mm x 6" (150mm)   | PH#2     |
| 08220-02080 | 6mm x 8" (200mm)   | PH#2     |
| 08220-03060 | 8mm x 6" (150mm)   | PH#3     |
| 08220-03080 | 8mm x 8" (200mm)   | PH#3     |
| 08220-03100 | 8mm x 10" (250mm)  | PH#3     |

## TWINMAT BOLSTER SCREWDRIVER

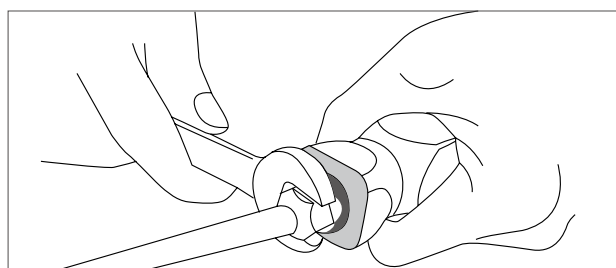
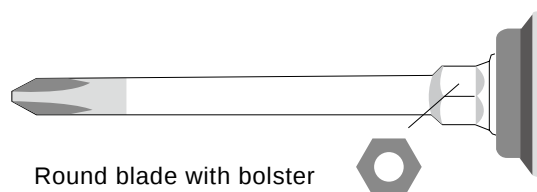


- Special combined material ergonomic handle.
- CR-V material meet ASME standard.
- Magnetic blade with black tip.
- Round blade with hexagon bolster which could enhance performance with a spanner wrench.

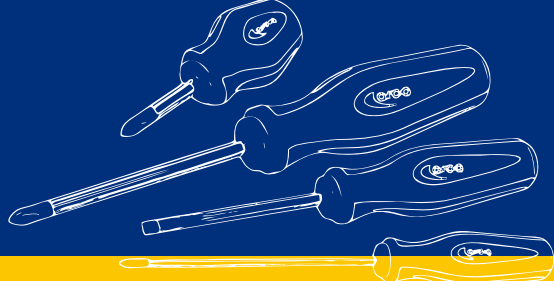
| Item No.    | Blade            | Tip Size          |
|-------------|------------------|-------------------|
|             | Dia. x Length    | Thickness x Width |
| 08120-05046 | 5mm x 4" (100mm) | 0.76 x 4.76 mm    |
| 08120-06046 | 6mm x 4" (100mm) | 1.02 x 6.35 mm    |
| 08120-06066 | 6mm x 6" (150mm) | 1.02 x 6.35 mm    |
| 08120-08066 | 8mm x 6" (150mm) | 1.07 x 7.94 mm    |



| Item No.    | Blade            | Tip Size |
|-------------|------------------|----------|
|             | Dia. x Length    |          |
| 08220-01046 | 5mm x 4" (100mm) | PH#1     |
| 08220-02046 | 6mm x 4" (100mm) | PH#2     |
| 08220-02066 | 6mm x 6" (150mm) | PH#2     |
| 08220-03066 | 8mm x 6" (150mm) | PH#3     |



Hexagon bolster-A wrench can be used to loosen tight screws or tighten screws.



# Screwdrivers

## ERGO-STRICKER SCREWDRIVER



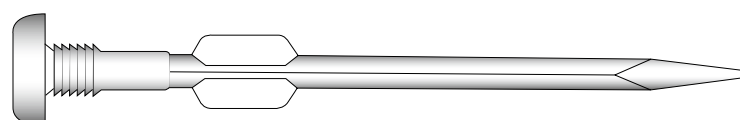
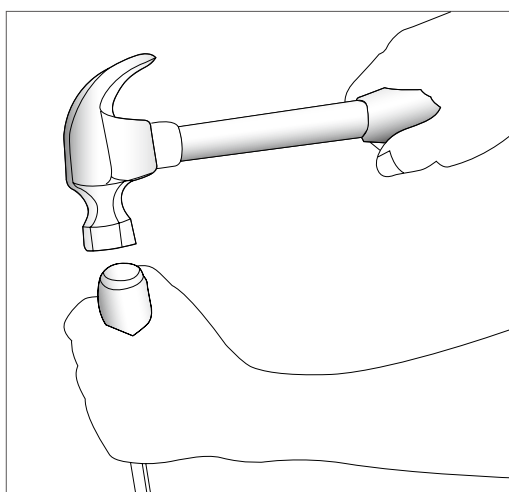
- Enhanced PVC handle with ergonomic design.
- Striking force is transmitted to the shank without damaging the end cap.
- The blade is completely design over-molded through to the end of the handle for hard striking.
- The square blade provides extra rigidity.

| Item No.    | Blade         | Tip Size (mm)     |
|-------------|---------------|-------------------|
|             | Dia. x Length | Thickness x Width |
| 08105-05044 | 5mm x 4"      | 0.76 x 4.76       |
| 08105-05064 | 5mm x 6"      | 0.76 x 4.76       |
| 08105-06044 | 6mm x 4"      | 0.94 x 6.35       |
| 08105-06064 | 6mm x 6"      | 0.94 x 6.35       |
| 08105-08064 | 8mm x 6"      | 1.07 x 7.94       |
| 08105-08084 | 8mm x 8"      | 1.07 x 7.94       |
| 08105-08104 | 8mm x 10"     | 1.07 x 7.94       |



- Enhanced PVC handle with ergonomic design.
- Stricking force is transmitted to the shank without damaging the end cap.
- The blade is completely design over-molded through to the end of the handle for hard striking.
- The square blade provides extra rigidity.

| Item No.    | Blade         | Tip Size |
|-------------|---------------|----------|
|             | Dia. x Length |          |
| 08205-01044 | 5mm x 4"      | PH#1     |
| 08205-02044 | 6mm x 4"      | PH#2     |
| 08205-02064 | 6mm x 6"      | PH#2     |
| 08205-03064 | 8mm x 6"      | PH#3     |
| 08205-03084 | 8mm x 8"      | PH#3     |



## SQUARE LUSTER SCREWDRIVER



- These screwdrivers feature comfortable grip handles constructed of Shockproof.
- CELLULOSE ACETATE PLASTICS.
- Blades are made of CHROME VANADIUM STEEL which have been carefully heat treated and fully chrome plated to resist rust and corrosion.

| Item No.    | Blade         | Tip Size(mm)      |
|-------------|---------------|-------------------|
|             | Dia. x Length | Thickness x Width |
| 08108-03020 | 3.2mm x 2"    | 0.5 x 3.17        |
| 08108-03030 | 3.2mm x 3"    | 0.5 x 3.17        |
| 08108-03040 | 3.2mm x 4"    | 0.5 x 3.17        |
| 08108-03060 | 3.2mm x 6"    | 0.5 x 3.17        |
| 08108-05030 | 5mm x 3"      | 0.76 x 4.76       |
| 08108-05040 | 5mm x 4"      | 0.76 x 4.76       |
| 08108-05060 | 5mm x 6"      | 0.76 x 4.76       |
| 08108-05080 | 5mm x 8"      | 0.76 x 4.76       |
| 08108-05100 | 5mm x 10"     | 0.76 x 4.76       |
| 08108-06010 | 6mm x 1.5"    | 0.94 x 6.35       |
| 08108-06040 | 6mm x 4"      | 0.94 x 6.35       |
| 08108-06050 | 6mm x 5"      | 0.94 x 6.35       |
| 08108-06060 | 6mm x 6"      | 0.94 x 6.35       |
| 08108-06080 | 6mm x 8"      | 0.94 x 6.35       |
| 08108-06100 | 6mm x 10"     | 0.94 x 6.35       |
| 08108-08060 | 8mm x 6"      | 1.07 x 7.94       |
| 08108-08080 | 8mm x 8"      | 1.07 x 7.94       |
| 08108-08100 | 8mm x 10"     | 1.07 x 7.94       |
| 08108-08120 | 8mm x 12"     | 1.07 x 7.94       |

## SQUARE LUSTER SCREWDRIVER



- These screwdrivers feature comfortable grip handles constructed of Shockproof.
- CELLULOSE ACETATE PLASTICS.
- Blades are made of CHROME VANADIUM STEEL which have been carefully heat treated and fully chrome plated to resist rust and corrosion.

| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08208-00020 | 3.2mm x 2"    | PH#0       |
| 08208-00030 | 3.2mm x 3"    | PH#0       |
| 08208-00040 | 3.2mm x 4"    | PH#0       |
| 08208-00060 | 3.2mm x 6"    | PH#0       |
| 08208-01030 | 5mm x 3"      | PH#1       |
| 08208-01040 | 5mm x 4"      | PH#1       |
| 08208-01060 | 5mm x 6"      | PH#1       |
| 08208-01080 | 5mm x 8"      | PH#1       |
| 08208-01100 | 5mm x 10"     | PH#1       |
| 08208-02010 | 6mm x 1.5"    | PH#2       |
| 08208-02040 | 6mm x 4"      | PH#2       |
| 08208-02050 | 6mm x 5"      | PH#2       |
| 08208-02060 | 6mm x 6"      | PH#2       |
| 08208-02080 | 6mm x 8"      | PH#2       |
| 08208-02100 | 6mm x 10"     | PH#2       |
| 08208-03060 | 8mm x 6"      | PH#3       |
| 08208-03080 | 8mm x 8"      | PH#3       |
| 08208-03100 | 8mm x 10"     | PH#3       |
| 08208-03120 | 8mm x 12"     | PH#3       |

# Screwdrivers

## STANDARD GRIP SCREWDRIVER



- These screwdrivers feature comfortable grip handles constructed of Shockproof.
- CELLULOSE ACETATE PLASTICS.
- Blades are made of CHROME VANADIUM STEEL which have been carefully heat treated and fully chrome plated to resist rust and corrosion.

| Item No.    | Blade         | Tip Size(mm)      |
|-------------|---------------|-------------------|
|             | Dia. x Length | Thickness x Width |
| 08100-03020 | 3.2mm x 2"    | 0.5 x 3.17        |
| 08100-03030 | 3.2mm x 3"    | 0.5 x 3.17        |
| 08100-03040 | 3.2mm x 4"    | 0.5 x 3.17        |
| 08100-03060 | 3.2mm x 6"    | 0.5 x 3.17        |
| 08100-05030 | 5mm x 3"      | 0.76 x 4.76       |
| 08100-05040 | 5mm x 4"      | 0.76 x 4.76       |
| 08100-05060 | 5mm x 6"      | 0.76 x 4.76       |
| 08100-05080 | 5mm x 8"      | 0.76 x 4.76       |
| 08100-05100 | 5mm x 10"     | 0.76 x 4.76       |
| 08100-06010 | 6mm x 1.5"    | 0.94 x 6.35       |
| 08100-06040 | 6mm x 4"      | 0.94 x 6.35       |
| 08100-06050 | 6mm x 5"      | 0.94 x 6.35       |
| 08100-06060 | 6mm x 6"      | 0.94 x 6.35       |
| 08100-06080 | 6mm x 8"      | 0.94 x 6.35       |
| 08100-06100 | 6mm x 10"     | 0.94 x 6.35       |
| 08100-08060 | 8mm x 6"      | 1.07 x 7.94       |
| 08100-08080 | 8mm x 8"      | 1.07 x 7.94       |
| 08100-08100 | 8mm x 10"     | 1.07 x 7.94       |
| 08100-08120 | 8mm x 12"     | 1.07 x 7.94       |



| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08700-01010 | 5mm x 1.5"    | PZ#1       |
| 08700-01040 | 5mm x 4"      | PZ#1       |
| 08700-02010 | 6mm x 1.5"    | PZ#2       |
| 08700-02040 | 6mm x 4"      | PZ#2       |
| 08700-02060 | 6mm x 6"      | PZ#2       |



| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08400-00040 | 5mm x 4"      | R0         |
| 08400-01040 | 5mm x 4"      | R1         |
| 08400-02050 | 6mm x 5"      | R2         |
| 08400-03060 | 6mm x 6"      | R3         |



| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08500-10040 | 5mm x 4"      | T10        |
| 08500-15040 | 5mm x 4"      | T15        |
| 08500-20040 | 6mm x 4"      | T20        |
| 08500-25040 | 6mm x 4"      | T25        |

## STANDARD GRIP SCREWDRIVER



| Item No.    | Blade         | Point Size |
|-------------|---------------|------------|
|             | Dia. x Length |            |
| 08200-00020 | 3.2mm x 2"    | PH#0       |
| 08200-00030 | 3.2mm x 3"    | PH#0       |
| 08200-00040 | 3.2mm x 4"    | PH#0       |
| 08200-00060 | 3.2mm x 6"    | PH#0       |
| 08200-01030 | 5mm x 3"      | PH#1       |
| 08200-01040 | 5mm x 4"      | PH#1       |
| 08200-01060 | 5mm x 6"      | PH#1       |
| 08200-01080 | 5mm x 8"      | PH#1       |
| 08200-01100 | 5mm x 10"     | PH#1       |
| 08200-02010 | 6mm x 1.5"    | PH#2       |
| 08200-02040 | 6mm x 4"      | PH#2       |
| 08200-02050 | 6mm x 5"      | PH#2       |
| 08200-02060 | 6mm x 6"      | PH#2       |
| 08200-02080 | 6mm x 8"      | PH#2       |
| 08200-02100 | 6mm x 10"     | PH#2       |
| 08200-03060 | 8mm x 6"      | PH#3       |
| 08200-03080 | 8mm x 8"      | PH#3       |
| 08200-03100 | 8mm x 10"     | PH#3       |
| 08200-03120 | 8mm x 12"     | PH#3       |



| Item No.     | Description                                   | Size                     |
|--------------|-----------------------------------------------|--------------------------|
| 908300-20400 | 204pcs/set with Dust-Proof Display Stand      | 3.2mm x 3" x 7pcs        |
|              |                                               | 5mm x 4" x 6pcs          |
|              |                                               | 5mm x 6" x 6pcs          |
|              |                                               | 6mm x 1.5" x 4pcs        |
|              | 74 pcs in display stand and 130 pcs for spare | 6mm x 4" x 5pcs          |
|              |                                               | 6mm x 6" x 5pcs          |
|              |                                               | 8mm x 6" x 4pcs          |
|              |                                               | 3.2mm x 3" x PH#0 x 7pcs |
|              |                                               | 5mm x 4" x PH#1 x 6pcs   |
|              |                                               | 5mm x 6" x PH#1 x 6pcs   |
|              |                                               | 6mm x 1.5" x PH#2 x 4pcs |
|              |                                               | 6mm x 4" x PH#2 x 5pcs   |
|              |                                               | 6mm x 6" x PH#2 x 5pcs   |
|              |                                               | 8mm x 6" x PH#3 x 4pcs   |
|              |                                               |                          |
|              |                                               |                          |
|              |                                               |                          |
|              |                                               |                          |
|              |                                               |                          |
|              |                                               |                          |

## POWERDRIVE SCREWDRIVER



- This screwdriver with blue extrusion handle, is made of tough shockproof CELLULOSE ACETATE PLASTICS, which offers extreme solidity.
- Quadruple fully-fluted handles provide comfortable ergonomic grip.
- Blades are made of CHROME VANADIUM STEEL and have been carefully Heat Treated and fully chrome plated to resist rust and corrosion.



| Item No.    | Blade (Round Shaft) | Tip Size(mm)      |
|-------------|---------------------|-------------------|
|             | Dia. x Length       | Thickness x Width |
| 08104-03030 | 3.2mm x 3"          | 0.5 x 3.17        |
| 08104-05040 | 5mm x 4"            | 0.76 x 4.76       |
| 08104-05060 | 5mm x 6"            | 0.76 x 4.76       |
| 08104-06010 | 6mm x 1.5"          | 0.94 x 6.35       |
| 08104-06040 | 6mm x 4"            | 0.94 x 6.35       |
| 08104-06060 | 6mm x 6"            | 0.94 x 6.35       |
| 08104-08060 | 8mm x 6"            | 1.07 x 7.94       |



| Item No.    | Blade (Round Shaft) | Point Size |
|-------------|---------------------|------------|
|             | Dia. x Length       |            |
| 08204-00030 | 3.2mm x 3"          | PH#0       |
| 08204-01040 | 5mm x 4"            | PH#1       |
| 08204-01060 | 5mm x 6"            | PH#1       |
| 08204-02010 | 6mm x 1.5"          | PH#2       |
| 08204-02040 | 6mm x 4"            | PH#2       |
| 08204-02060 | 6mm x 6"            | PH#2       |
| 08204-03060 | 8mm x 6"            | PH#3       |

## PRECISION SCREWDRIVER SETS



- Handle: Cellulose Acetate Opaque yellow and black color
- Blade: 8860 CR-MO+Satin Finished+ Black Tip, Magnetic

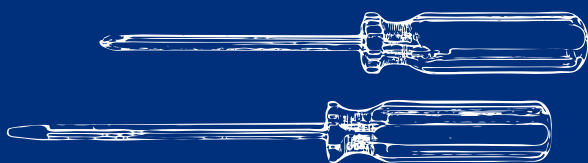
| Item No.                                                | Description |
|---------------------------------------------------------|-------------|
| 908301-06020<br><br>Precision Screwdriver<br>6pcs / SET | 1.4mm       |
|                                                         | 2.0mm       |
|                                                         | 2.4mm       |
|                                                         | 3.0mm       |
|                                                         | PH#0        |
|                                                         | PH#1        |

## PRECISION SCREWDRIVER SETS



- Handle: Steel with Chrome Plated.
- Blade: Nickel Chrome Molybdenum Alloy Steel (SAE 8660).
- black finished, heat treatment to HRC 47-56.

| Item No.                                              | Description |
|-------------------------------------------------------|-------------|
| 908301-06000<br><br>Precision Screwdriver<br>6pcs set | 1.4mm       |
|                                                       | 2.0mm       |
|                                                       | 2.4mm       |
|                                                       | 3.0mm       |
|                                                       | PH#0        |
|                                                       | PH#1        |



# Screwdrivers

## PRECISION SCREWDRIVER SETS



| Item No.                        | Description            |         |
|---------------------------------|------------------------|---------|
| 908301-11000                    | ⊕ PH#0-2               | ⊖ 1.0mm |
|                                 | ⊕ PH#0                 | ⊖ 1.2mm |
|                                 | ⊕ PH#1                 | ⊖ 1.4mm |
|                                 | Magnetic Precision Bit | ⊖ 1.8mm |
|                                 | Awl                    | ⊖ 2.4mm |
| Precision Screwdriver 11pcs set |                        | ⊖ 3.0mm |



| Item No.                               | Description                    |         |
|----------------------------------------|--------------------------------|---------|
| 908301-15000                           | ⊕ PH#0-2                       | ⊖ 1.0mm |
|                                        | ⊕ PH#0                         | ⊖ 1.4mm |
|                                        | ⊕ PH#1                         | ⊖ 2.0mm |
|                                        | ⊕ PH#1-1                       | ⊖ 2.4mm |
|                                        | Hex Key 3pcs (1.5, 2.0, 2.5mm) | ⊖ 3.0mm |
|                                        | Stainless Steel Tweezers 2pcs  | ⊖ 3.8mm |
| Precision Screwdriver & Tool 15pcs set |                                |         |

## PRECISION SCREWDRIVER SETS



- Handle: PP+TPR.
- Blade: Nickel Chrome Molybdenum Alloy Steel (SAE 8660).
- +Vanadium with heat treatment to HRC 47-56, Satin Chrome.
- Plated with black oxidized tip.

| Item No.                       | Description    |
|--------------------------------|----------------|
| 908301-06010                   | ⊖ 2.0mm x 50mm |
|                                | ⊖ 2.4mm x 50mm |
|                                | ⊖ 3.0mm x 50mm |
|                                | ⊕ PH#00 x 50mm |
|                                | ⊕ PH#0 x 50mm  |
|                                | ⊕ PH#1 x 50mm  |
| Precision Screwdriver 6pcs set |                |



- Handle: PP+TPR.
- Blade of Nut Driver: 50BV30 Chrome Vanadium steel with heat.
- treatment to HRC 35-45. Satin Chrome Plated.

| Item No.                      | Description |
|-------------------------------|-------------|
| 908601-06010                  | 3.0 x 75mm  |
|                               | 3.2 x 75mm  |
|                               | 3.5 x 75mm  |
|                               | 4.0 x 75mm  |
|                               | 5.0 x 75mm  |
|                               | 5.5 x 75mm  |
| Precision Nut Driver 6pcs set |             |



## A Comprehensive Line of Quality Hand Tools

### Pliers

- 62 END CUTTING PLIERS
- 62 LONG NOSE PLIERS
- 62 WATER PUMP PLIERS
- 62 COMBINATION PLIERS
- 62 DIAGONAL CUTTING PLIERS
- 63 HEAVY DUTY CABLE CUTTER
- 63 FLAT NOSE PLIERS
- 63 ROUND NOSE PLIERS
- 63 BENT NOSE PLIERS
- 64 SNAP RING PLIERS
- 64 WIRE STRIPPING PLIERS





# Pliers

## END CUTTING PLIERS



- Drop forged Chrome Vanadium steel.
- Induction hardened cutting edges.
- Ergonomic design for comfortable grip.
- Meets DIN standard cutting & load testing.

| Item No.    | Overall Length | Cutting  | Tensile Strength |
|-------------|----------------|----------|------------------|
|             | mm / inch      | Wire ømm | (MPA)            |
| 09501-06006 | 160mm / 6"     | 1.6      | 2150             |
| 09501-08006 | 200mm / 8"     | 2.0      | 2150             |

## LONG NOSE PLIERS



- Drop forged Chrome Vanadium steel.
- Induction hardened cutting edges.
- Ergonomic design for comfortable grip.
- Meets DIN standard cutting & load testing.
- Serrated jaws.

| Item No.    | Overall Length | Cutting  | Tensile Strength |
|-------------|----------------|----------|------------------|
|             | mm / inch      | Wire ømm | (MPA)            |
| 09201-06001 | 160mm / 6"     | 1.4      | 1600             |
| 09201-08001 | 200mm / 8"     | 1.6      | 1600             |

## WATER PUMP PLIERS



- Drop forged Chrome Vanadium steel.
- Wide range of jaw adjustment with ergonomic design for comfortable grip.
- Box joint.

| Item No.    | Overall Length | Jaw     |
|-------------|----------------|---------|
|             | mm / inch      | Opening |
| 09101-07006 | 180mm / 7"     | 0~30mm  |
| 09101-10006 | 250mm / 10"    | 0~36mm  |
| 09101-12006 | 300mm / 12"    | 0~46mm  |

## COMBINATION PLIERS



- Drop forged Chrome Vanadium steel.
- Induction hardened cutting edges.
- Ergonomic design for comfortable grip.
- Meets DIN standard cutting & load testing.
- Serrated jaws.

| Item No.    | Overall Length | Cutting  | Tensile Strength |
|-------------|----------------|----------|------------------|
|             | mm / inch      | Wire ømm | (MPA)            |
| 09400-06001 | 160mm / 6"     | 1.4      | 1600             |
| 09400-07001 | 180mm / 7"     | 1.6      | 1600             |
| 09400-08001 | 200mm / 8"     | 1.6      | 1600             |

## HEAVY DUTY DIAGONAL CUTTING PLIERS



- Drop forged Chrome Vanadium steel.
- Induction hardened cutting edges.
- Ergonomic design for comfortable grip.
- Meets DIN standard cutting & load testing.

| Item No.    | Overall Length | Cutting  | Tensile Strength |
|-------------|----------------|----------|------------------|
|             | mm / inch      | Wire ømm | (MPA)            |
| 09310-07001 | 180mm / 7"     | 2.0      | 2150             |
| 09310-08001 | 200mm / 8"     | 2.0      | 2150             |

## DIAGONAL CUTTING PLIERS



- Drop forged Chrome Vanadium steel.
- Induction hardened cutting edges.
- Ergonomic design for comfortable grip.
- Meets DIN standard cutting & load testing.

| Item No.    | Overall Length | Cutting  | Tensile Strength |
|-------------|----------------|----------|------------------|
|             | mm / inch      | Wire ømm | (MPA)            |
| 09301-06001 | 160mm / 6"     | 1.6      | 1600             |
| 09301-07001 | 180mm / 7"     | 1.6      | 1600             |

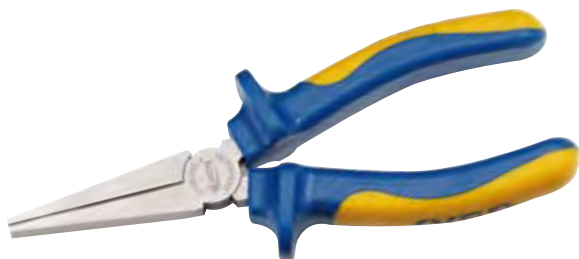
## HEAVEY DUTY CABLE CUTTER



- Easily cuts through cable and wire with minimal effort.
- Precision ground heat-treated steel
- Ergonomic design for comfortable grip
- Meets DIN standard cutting & load testing

| Item No.    | Overall Length | Cutting    |
|-------------|----------------|------------|
|             | mm / inch      | Wire \$ mm |
| 06210-10001 | 250mm / 10"    | 13.5       |

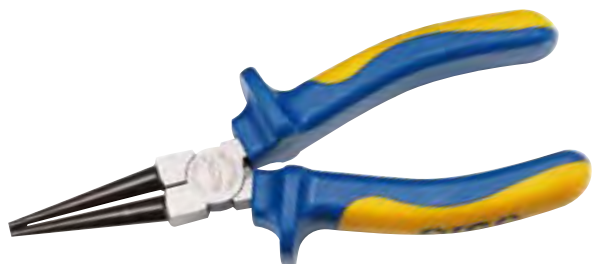
## FLAT NOSE PLIERS



- Heat treated flat nose pliers.
- High quality drop forged steel.
- Serrated flat jaws
- Approved to GS/TUV and DIN Standards

| Item No.    | Overall Length |
|-------------|----------------|
|             | mm / inch      |
| 09240-06001 | 160mm / 6"     |

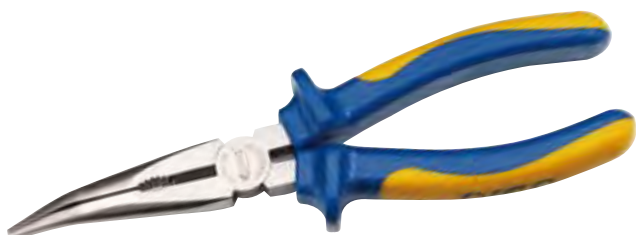
## ROUND NOSE PLIERS



- Heat treated round nose pliers.
- High quality drop forged steel.
- Smooth round jaws taper to a point and are used for looping and forming fine wires.
- Approved to GS/TUV and DIN Standards

| Item No.    | Overall Length |
|-------------|----------------|
|             | mm / inch      |
| 09220-06006 | 160mm / 6"     |

## BENT NOSE PLIERS



- Drop forged & heat treated
- Serrated jaws
- Material of chrome vanadium steel, oil-hardened
- Approved to DIN Standards

| Item No.    | Overall Length |
|-------------|----------------|
|             | mm / inch      |
| 09202-55001 | 140mm/5.5"     |
| 09202-06001 | 160mm / 6"     |
| 09202-08001 | 200mm / 8"     |



# Pliers

## SNAP RING PLIERS



- Drop forged Chrome Vanadium steel.
- Black finish.

| Item No.    | Overall Length | Description              |
|-------------|----------------|--------------------------|
|             | (inch)         |                          |
| 09600-55006 | 5.5"           | Internal Bent Round Tips |
| 09600-70006 | 7"             | Internal Bent Round Tips |
| 09600-95006 | 9.5"           | Internal Bent Round Tips |
| 09600-12006 | 12"            | Internal Bent Round Tips |



| Item No.    | Overall Length | Description              |
|-------------|----------------|--------------------------|
|             | (inch)         |                          |
| 09610-55006 | 5.5"           | External Bent Round Tips |
| 09610-70006 | 7"             | External Bent Round Tips |
| 09610-95006 | 9.5"           | External Bent Round Tips |
| 09610-12006 | 12"            | External Bent Round Tips |



| Item No.    | Overall Length | Description                  |
|-------------|----------------|------------------------------|
|             | (inch)         |                              |
| 09601-55006 | 5.5"           | Internal Straight Round Tips |
| 09601-70006 | 7"             | Internal Straight Round Tips |
| 09601-95006 | 9.5"           | Internal Straight Round Tips |
| 09601-12006 | 12"            | Internal Straight Round Tips |



| Item No.    | Overall Length | Description                  |
|-------------|----------------|------------------------------|
|             | (inch)         |                              |
| 09611-55006 | 5.5"           | External Straight Round Tips |
| 09611-70006 | 7"             | External Straight Round Tips |
| 09611-95006 | 9.5"           | External Straight Round Tips |
| 09611-12006 | 12"            | External Straight Round Tips |

## COMBINATION INTRNAL-EXTERNAL SNAP RING PLIERS



- Patent design.
- Includes convertible tips: Straight-Tip, 45° Bent-Tip and 90° Bent-Tip.
- Easily to exchange jaws for 6 different applications.

| Item No.    | Overall Length |
|-------------|----------------|
|             | (inch)         |
| 09622-06006 | 150mm / 6"     |

## WIRE STRIPPING PLIERS

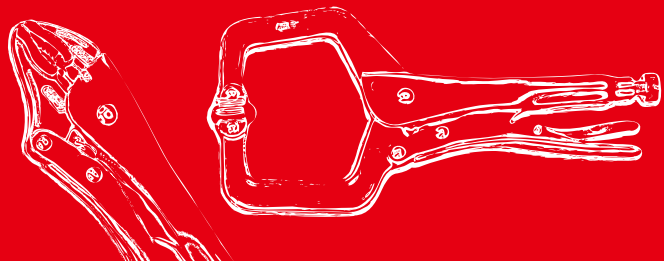


- Drop forged Chrome Vanadium steel.
- V-shape cutters can easily strip wire.
- Spring loaded.
- Screw can adjust the depth of stripping.
- Max 0.6mm wire can be stripped.
- Ergonomic design for comfortable grip.

| Item No.    | Overall Length |
|-------------|----------------|
|             | mm / inch      |
| 12300-00060 | 160mm / 6"     |

- 66 EASY RELEASE LOCKING PLIERS
- 67 CURVED JAWS LOCKING PLIERS
- 67 LARGER CURVED JAWS LOCKING PLIERS
- 67 STRAIGHT JAWS LOCKING PLIERS
- 67 LONG NOSE LOCKING PLIERS
- 68 C-CLAMP LOCKING PLIERS
- 68 ROUND-JAW PLIERS
- 68 PARROT PLIERS
- 69 WELDER'S TOOL PLIERS
- 69 SHEET METAL GRIP PLIERS





# Locking Pliers

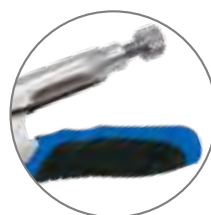
## EASY RELEASE

### EASY RELEASE LOCKING PLIERS

The all new design **EASY RELEASE** handle gets rid of the traditional release lever. It enables users much more easy and labor-saving to unlock the pliers.

**Super Strong** locking strength up to 3700 lbs.

- Chrome Molybdenum steel jaw & body.
- Two-color TPR grip.
- New patented "No Release Lever" handle.
- Multinational patents awarded; including U.S.A., Germany, Taiwan, China...,etc.



Easy Release



Regular  
(American Type)



#### • CURVED JAWS LOCKING PLIERS w/WIRE CUTTING

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10305-05000 | 5" / 125mm     |
| 10305-07000 | 7" / 175mm     |
| 10305-10000 | 10" / 250mm    |



#### • STRAIGHT JAWS LOCKING PLIERS

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10301-07000 | 7" / 175mm     |
| 10301-10000 | 10" / 250mm    |



#### • LONG NOSE LOCKING PLIERS

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10302-06000 | 6" / 150mm     |
| 10302-09000 | 9" / 225mm     |

#### WELDER'S GRIP WRENCH



10308-11000

#### SHEET METAL GRIP



10307-10000

#### C-CLAMP LOCKING



10303-11000

- CR-V JAW
- CR-MO HANDLE

### CURVED JAWS WITH WIRE CUTTER LOCKING PLIERS



- Chrome Vanadium steel drop forged jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.
- Welding with wire cutter.

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10105-05000 | 5" / 125mm     |
| 10105-07000 | 7" / 175mm     |
| 10105-10000 | 10" / 250mm    |

### STRAIGHT JAWS LOCKING PLIERS



- Chrome Vanadium steel drop forged jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.
- Surface nickel plated.

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10101-07000 | 7" / 175mm     |
| 10101-10000 | 10" / 250mm    |

### LARGER CURVED JAWS LOCKING PLIERS



- Chrome Vanadium steel drop forged jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.
- Surface nickel plated.

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10105-10020 | 10" / 250mm    |

### LONG NOSE LOCKING PLIERS



- Chrome Vanadium steel drop forged jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.
- Jaw with wire cutter function.

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10102-06000 | 6" / 150mm     |
| 10102-09000 | 9" / 225mm     |



# Locking Pliers

## C-CLAMP LOCKING PLIERS



- Chrome Vanadium steel drop forged jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.
- Nickel plated surface.
- Surface nickel plated.

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10103-11000 | 11" / 279mm    |

## ROUND-JAW PLIERS



- Handle & jaw made by Chrome Molybdenum Steel.
- Body heat-treated and welded.
- Jaw with wire cutter function.

| Item No.    | Overall Length | Jaw-Opening |
|-------------|----------------|-------------|
|             | inch / mm      | mm          |
| 10110-07001 | 7" / 175mm     | 8~20mm      |
| 10110-10001 | 10" / 250mm    | 16~28mm     |

## C-CLAMP LOCKING PLIERS WITH SWIVEL PADS



- Chrome Vanadium steel drop forged jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.
- Nickel plated surface.
- Surface nickel plated.

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10103-11010 | 11" / 279mm    |

## PARROT PLIERS



- 2x strong and tight to clamp and turn the screws, especially on round screws.
- Jaw with sawteeth features to clamp plumbing and round-off screws.
- Wide range of Jaw-opening is applicable for small and large screws.
- Clamping and releasing the screws firmly and smoothly.
- Cr-Mo material for jaws and product body.

| Item No.    | Overall Length | Jaw-Opening |
|-------------|----------------|-------------|
|             | inch / mm      | mm          |
| 10110-08501 | 8.5" / 215mm   | 6~32mm      |

## WELDER'S GRIP WRENCH PLIERS



- Chrome Vanadium steel jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10108-09000 | 9" / 230mm     |
| 10108-11000 | 11" / 270mm    |

## WELDER'S FLAT GRIP WRENCH PLIERS



- Chrome Vanadium steel drop forged jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.
- Surface nickel plated.

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10108-11010 | 11" / 270mm    |

## WELDING TOOLS CRIMPING PLIERS



- Carbon steel jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.
- Surface nickel plated.

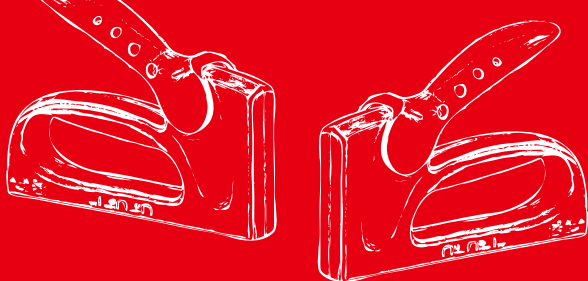
| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10109-10000 | 10" / 250mm    |

## SHEET METAL GRIP PLIERS



- Chrome Vanadium steel drop forged jaws.
- Handle made by Chrome Molybdenum Steel.
- Body heat-treated and welded.

| Item No.    | Overall Length |
|-------------|----------------|
|             | inch / mm      |
| 10107-08000 | 8" / 205mm     |
| 10107-10000 | 10" / 250mm    |



# Staple Guns

Staple Guns

- 70 4-in-1 STAPLE GUN
- 71 DIE-CASTING TACKER
- 71 PLASTIC TACKER
- 72 HEAVY DUTY METAL STAPLE & NAIL GUN
- 72 METAL TACKER
- 72 HANDY TACKER
- 73 HAMMER TACKER
- 73 CABLE TACKER



**4in1**  
Staple Gun

## Multi-Functional 4-in-One Staple Gun



- High-Impact molded plastic housing.
- Comfortable plastic/metal handle.
- Streamline body and ergonomic handle design
- Low staple refill window
- Power adjustment control system
- Safety handle lock system.
- Bottom loading for easy loading & jam clearing.

Staple loading capacity: 145pcs for staples / 84pcs for cable / 85pcs nails & pin.



Brad Nails



Cable Staples



Pins



Flat Staples

| Item No.    | For Best Results Use                                    | Interchangeable With |          |
|-------------|---------------------------------------------------------|----------------------|----------|
|             | ARCA                                                    | RAPID                | ARROW    |
| 11105-16001 | Staples #1008-1014<br>(8mm ~ 14mm) or (5/16"~9/16")     | #53                  | JT-21    |
|             | Brad Nails F16 (16mm or 5/8")                           | #8                   | Gauge 18 |
|             | Pin P16 (16mm or 5/8")                                  | -                    | -        |
|             | Cable Staples #6212-6214<br>(12mm~14mm) or (1/2"~9/16") | #36                  | T-25     |

## DIE-CASTING TACKER



### Multi-Functional 3 Way Staple Gun (Regular)

- Durable aluminum alloy die-casting housing construction.
- Comfortable plastic/metal handle.
- Durable metal magazine.
- Bottom loading for easy loading & jam clearing.
- Safety handle lock system.

| Item No.    | For Best Results Use                     | Interchangeable With |       |
|-------------|------------------------------------------|----------------------|-------|
|             | ARCA                                     | RAPID                | ARROW |
| 11203-10000 | 1006-1010<br>(6mm ~ 10mm) or (1/4"~3/8") | #53                  | JT-21 |
|             | 1106-1110<br>(6mm ~ 10mm) or (1/4"~3/8") | #13                  | -     |
|             | Brad Nails F16                           | -                    | -     |
|             |                                          |                      |       |



### Multi-Functional 3 Way Staple Gun (Heavy Duty)

- Durable aluminum alloy die-casting housing construction.
- Comfortable plastic/metal handle.
- Durable metal magazine.
- Bottom loading for easy loading & jam clearing.
- Safety handle lock system.
- Low staple refill window.
- Power adjustment control system.

| Item No.    | For Best Results Use                     | Interchangeable With |       |
|-------------|------------------------------------------|----------------------|-------|
|             | ARCA                                     | RAPID                | ARROW |
| 11223-16000 | 1006-1016<br>(6mm ~ 16mm) or (1/4"~5/8") | #53                  | JT-21 |
|             | 1106-1116<br>(6mm ~ 16mm) or (1/4"~5/8") | #13                  | -     |
|             | Brad Nails F16                           | -                    | -     |
|             |                                          |                      |       |

## PLASTIC TACKER



### Multi-Functional 3 Way Staple Gun (Regular)

- High-Impact molded plastic housing.
- Comfortable plastic/metal handle.
- Durable metal inner magazine.
- Bottom loading for easy loading & jam clearing.
- Safety handle lock system.

| Item No.    | For Best Results Use                     | Interchangeable With |          |
|-------------|------------------------------------------|----------------------|----------|
|             | ARCA                                     | RAPID                | ARROW    |
| 11103-10000 | 1006-1010<br>(6mm ~ 10mm) or (1/4"~3/8") | #53                  | JT-21    |
|             | 1106-1110<br>(6mm ~ 10mm) or (1/4"~3/8") | #13                  | -        |
|             | Brad Nails F10                           | #8                   | Gauge 18 |
|             |                                          |                      |          |



### Multi-Functional 3 Way Staple Gun (Heavy Duty)

- High-Impact molded plastic housing.
- Comfortable plastic/metal handle.
- All metal construction magazine.
- Bottom loading for easy loading & jam clearing.
- Low staple refill window.
- Included handle lock clip doubles as belt clip.
- Power adjustment control system.

| Item No.    | For Best Results Use                     | Interchangeable With |          |
|-------------|------------------------------------------|----------------------|----------|
|             | ARCA                                     | RAPID                | ARROW    |
| 11123-16000 | 1006-1016<br>(6mm ~ 16mm) or (1/4"~5/8") | #53                  | JT-21    |
|             | 1106-1116<br>(6mm ~ 16mm) or (1/4"~5/8") | #13                  | -        |
|             | Brad Nails F16                           | #8                   | Gauge 18 |
|             |                                          |                      |          |



# Staple Guns

## HEAVY DUTY METAL STAPLE & NAIL GUN



- Durable all-steel construction
- Less operating force ,30% easier to operate
- Power adjustment system
- Low staple refill window-reader
- Bottom loading for easier loading and jam clearing
- Handle lock system for safety and compact storage

| Item No.    | For Best Results Use                               | Interchangeable With |                        |
|-------------|----------------------------------------------------|----------------------|------------------------|
|             | ARCA                                               | RAPID                | ARROW                  |
| 11321-10000 | Staple:1006HD-1014HD<br>(6mm~14mm) or (1/4"~9/16") | #140                 | T-50                   |
|             | Brad Nail:F16<br>(16mm or 5/8")                    | #8                   | BN1810<br>(Gauge Brad) |

## METAL TACKER



### Heavy Duty Staple Gun

- Professional heavy duty staple gun.
- Durable all-steel construction.
- Handle lock for safety and compact storage.
- Nickel finish to resist rusting and corrosion.
- Anti-slip color handle for better grip and comfort.
- Ergonomic finish groove.
- Rear loading system.

| Item No.    | For Best Results Use                          | Interchangeable With |       |
|-------------|-----------------------------------------------|----------------------|-------|
|             | ARCA                                          | RAPID                | ARROW |
| 11320-10000 | 1006HD-1014HD<br>(6mm ~ 14mm) or (1/4"~9/16") | #140                 | T-50  |

## PLASTIC TACKER



### Handy Tacker

- Durable high-impact plastic solid housing.
- Wide rounded metal handle with chrome finish.
- Bottom loading for easy loading & jam clearing.
- Low staple refill window.
- Intergrated handle lock system for compact storage.
- Ergonomic design with attractive contoured design.
- Light-weight design for extra portability.

| Item No.    | For Best Results Use                        | Interchangeable With |       |        |
|-------------|---------------------------------------------|----------------------|-------|--------|
|             | ARCA                                        | RAPID                | ARROW | MAX    |
| 11104-12001 | 1006-1008<br>(6mm ~ 8mm) or<br>(1/4"~5/16") | #53                  | JT-21 | -      |
|             | 1106-1108<br>(6mm ~ 8mm) or<br>(1/4"~5/16") | #13                  | -     | -      |
|             | 1206-1208<br>(6mm ~ 8mm) or<br>(1/4"~5/16") | -                    | -     | TG-A#3 |



### Intermediate Staple Gun (Multi-Function)

- Durable all-steel construction.
- Bottom loading for easy and fast loading and jam clearing.
- Handle lock for safety & compact storage.
- Painted finish with chrome plated handle.
- Extended nose design for fastening recessed areas and tight corner with pin-point accuracy.

| Item No.    | For Best Results Use                        | Interchangeable With |       |        |
|-------------|---------------------------------------------|----------------------|-------|--------|
|             | ARCA                                        | RAPID                | ARROW | MAX    |
| 11311-12000 | 1006-1012<br>(6mm ~ 12mm) or<br>(1/4"~1/2") | #53                  | JT-21 | -      |
|             | 1106-1112<br>(6mm ~ 12mm) or<br>(1/4"~1/2") | #13                  | -     | -      |
|             | 1206-1212<br>(6mm ~ 12mm) or<br>(1/4"~1/2") | -                    | -     | TG-A#3 |

## HAMMER TACKER



### Intermediate Duty

- Durable all-steel construction.
- Ergonomic soft-touch handle grip.
- Nickel plated finish.
- Easy to open top loading mechanism.

| Item No.    | For Best Results Use                        | Interchangeable With |
|-------------|---------------------------------------------|----------------------|
|             | ARCA                                        | MAX                  |
| 11410-12000 | 1206-1210<br>(6mm ~ 10mm) or<br>(1/4"~3/8") | TG-A#3               |

## CABLE TACKER



- Professional heavy duty taker
- Durable all-steel construction.
- Color handle dipping with soft grip.
- Low staple refill window.
- Safety handle lock system.
- Nickel finish for rust and corrosion resistance.
- For securing low voltage (<50V) cables and wires.

| Item No.    | For Best Results Use                       | Interchangeable With |       |
|-------------|--------------------------------------------|----------------------|-------|
|             | ARCA                                       | RAPID                | ARROW |
| 11316-61000 | 6109-6111<br>(9mm ~ 11mm) or (3/8"~7/16")  | #28                  | T-18  |
| 11316-62000 | 6210-6214<br>(10mm ~ 14mm) or (3/8"-9/16") | #36                  | T-25  |

## HAMMER TACKER



### Light Duty

- Durable all-steel construction.
- Nickel plated finish.
- Top loading mechanism.
- Ergonomic soft-touch handle grip.

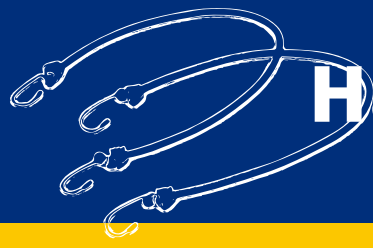
| Item No.    | For Best Results Use                | Interchangeable With |       |
|-------------|-------------------------------------|----------------------|-------|
|             | ARCA                                | RAPID                | ARROW |
| 11401-11000 | 1106 (4mm ~ 6mm) or<br>(5/32"~1/4") | #13                  | -     |
| 11401-10000 | 1006 (4mm ~ 6mm) or<br>(5/32"~1/4") | #53                  | JT-21 |



### Heavy Duty

- Durable all-steel construction.
- Ergonomic soft-touch handle grip.
- Rear loading magazine for larger staple capacity.
- Nickel plated finish.

| Item No.    | For Best Results Use                            | Interchangeable With |       |
|-------------|-------------------------------------------------|----------------------|-------|
|             | ARCA                                            | RAPID                | ARROW |
| 11420-10000 | 1006HD-1010HD<br>(6mm ~ 10mm) to<br>(1/4"~3/8") | #140                 | T-50  |



# Hand Pullers & Tie Downs

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- 79 ROPE HOIST



### DIY HAND POWER PULLER



- Polished heavy steel ratchet arm for a smooth nonbinding operation.
- Heat treated bolts.
- Drop forged steel hooks with spring safe latches.

| Item No.    | Capacity | Cable       | Hook | Thickness |       |
|-------------|----------|-------------|------|-----------|-------|
|             |          |             |      | Handle    | Body  |
| 13101-34000 | 3/4 TON  | ø4mm x 7FT  | 2    | 2.3mm     | 2.3mm |
| 13101-10000 | 1 TON    | ø5mm x 10FT | 2    | 2.6mm     | 2.6mm |
| 13101-15000 | 1.5 TON  | ø5mm x 10FT | 2    | 3.2mm     | 3mm   |

### STANDARD HAND POWER PULLER



- Comfortable hand grip.
- Heavy duty steel stamped ratchet gears, drive pawls and stop pawls for reinforcement.
- Heat treated bolts.
- Drop forged hanging bracket can be opened by 360°.

| Item No.    | Capacity | Cable       | Hook | Thickness |       |
|-------------|----------|-------------|------|-----------|-------|
|             |          |             |      | Handle    | Body  |
| 13100-20000 | 2 TON    | ø5mm x 12FT | 2    | 3.5mm     | 3.5mm |

### PROFESSIONAL HAND POWER PULLER



- Double solid steel gear construction for greater pulling power & safety.
- Large drop forged alloy steel safety hooks.
- Attractive bi-colored grip.
- Cable clamp fixed onto the drum for safety.

| Item No.    | Capacity | Cable       | Hook | Thickness |       |
|-------------|----------|-------------|------|-----------|-------|
|             |          |             |      | Handle    | Body  |
| 13120-25000 | 2.5 TON  | ø5mm x 10FT | 2    | 3.5mm     | 3.5mm |
| 13120-40000 | 4 TON    | ø6mm x 12FT | 2    | 5mm       | 6mm   |
| 13120-40010 | 4 TON    | ø6mm x 10FT | 3    | 5mm       | 6mm   |



# Hand Pullers & Tie Downs

## WEB HAND POWER PULLER



- It is a simple, but labor saving device designed based on the physical principles to help generate maximum pulling force by minimum force.
- It is compact and light-weighted that makes the puller easy to operate and carry.
- Applying to soft webbing instead of wires makes it possible to extend as much the length as needed.
- Better fixation for the fragile surface cargo.
- Non-conductive, Corrosion resistance and high strength strap.

| Item No.    | Capacity | Webbing   | Gear/Pawl | Hook | Thickness |       |
|-------------|----------|-----------|-----------|------|-----------|-------|
|             |          |           |           |      | Handle    | Body  |
| 13103-20000 | 2 TON    | 25mm x 6M | Double    | 2    | 3.5mm     | 3.5mm |
| 13103-20010 | 2 TON    | 25mm x 9M | Double    | 2    | 3.5mm     | 3.5mm |

## PORTABLE PULLER (WIRE)



- Ergonomic detachable handle design.
- Emergency situations:  
As a winch, move, immobilize, tow, rescue vehicles in slopes, hollows, slippery terrain: snow, covered, sandy or muddy road.
- Patents pending in USA, Canada, China and Taiwan.

| Item No.    | Capacity | Cable       | Gear/Pawl | Hook | Thickness |      | Handle type |
|-------------|----------|-------------|-----------|------|-----------|------|-------------|
|             |          |             |           |      | Handle    | Body |             |
| 13104-10000 | 1 TON    | ø5mm x 10FT | Single    | 2    | 3.5mm     | 3mm  | Bi-Color    |
| 13104-10010 | 1 TON    | ø5mm x 10FT | Single    | 2    | 3.5mm     | 3mm  | With Light  |

## PORTABLE PULLER (ROPE)



**Light Handle**  
Light can be used individually



**Bi-color Handle**



- Greatly suitable for boat yards, motorcycles, home, etc.
- Easy operation.
- Unlimited reach.
- Durable and Strong.
- Equipped with non-conductive Polyester rope. (Optional)
- Polyester rope prevents object's surface from damaging or scratching.
- Light weight construction.
- Easy to carry and store.
- Ergonomic detachable handle design (2 types available):  
1. Anatomic bi-color      2. With emergency light

| Item No.    | Capacity | Rope       | Gear/Pawl | Hook | Thickness |      | Handle type |
|-------------|----------|------------|-----------|------|-----------|------|-------------|
|             |          |            |           |      | Handle    | Body |             |
| 13104-10001 | 1 TON    | ø10mm x 6M | Double    | 3    | ø19x 3mm  | 3mm  | Bi-Color    |
| 13104-10011 | 1 TON    | ø10mm x 6M | Double    | 3    | ø19x 3mm  | 3mm  | With Light  |



## A Comprehensive Line of Quality Hand Tools

### STANDARD TRAILER WINCH



- Solid gear construction.
- Black electrostatic discharge coating or zinc plated finish.
- Precise gear tooth engagement.

| Item No.    | Capacity         | Gear Ratio |
|-------------|------------------|------------|
| 13200-06001 | 600lbs / 270kgs  | 3.1:1      |
| 13200-08101 | 850lbs / 385kgs  | 3.1:1      |
| 13200-10001 | 1000lbs / 450kgs | 4:1        |
| 13200-12001 | 1200lbs / 545kgs | 4:1        |
| 13200-14001 | 1400lbs / 636kgs | 4:1        |
| 13200-16001 | 1600lbs / 727kgs | 4:1        |

### PROFESSIONAL TRAILER WINCH



- Solid gear construction.
- Black electrostatic discharge coating or zinc plated finish.
- Precise gear tooth engagement.
- Dual drive enhances pulling ability by distributing the load equally.

| Item No.    | Capacity          | Gear Ratio |
|-------------|-------------------|------------|
| 13220-20021 | 2000lbs / 900kgs  | 4.1:1      |
| 13220-25021 | 2500lbs / 1100kgs | 5.1:1      |

### LASHING STRAP



- Function: for trailers, pickups & cars.

| Item No.    | Description   |             |
|-------------|---------------|-------------|
|             | Capacity (KG) | Webbing     |
| 13300-25250 | 180           | 25mm x 2.5M |
| 13300-25500 | 180           | 25mm x 5M   |

### LASHING STRAP (with Hook)



- Function: for trailers, pickups & cars.

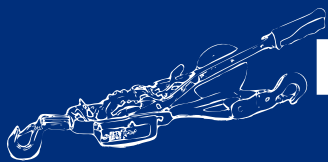
| Item No.    | Description   |           |      |
|-------------|---------------|-----------|------|
|             | Capacity (KG) | Webbing   | Hook |
| 13300-25200 | 450           | 25mm x 2M | 2    |
| 13300-25201 | 450           | 25mm x 2M | 2    |

### RATCHET TIE DOWN



- Function: for trailers, pickups & cars.
- All the capacity stated below mean the breaking capacity.

| Item No.    | Description   |           |      |
|-------------|---------------|-----------|------|
|             | Capacity (KG) | Webbing   | Hook |
| 13310-25500 | 400           | 1" x 5M   | 2    |
| 13310-38600 | 2000          | 1.5" x 6M | 2    |
| 13310-50900 | 5000          | 2" x 9M   | 2    |



# Hand Pullers & Tie Downs

## TOW ROPE



#15140



#30140



#30141

- Tow rope with cover at both ends.
- Rope with HP hooks.

| Item No.    | Description                | Breaking Capacity (Kgs) | Cover at End   |
|-------------|----------------------------|-------------------------|----------------|
| 13301-15140 | 5/8" x 14FT                | 1000                    | PVC            |
| 13301-30140 | 30mm x 14FT (Elastic Rope) | 1000                    | PVC            |
| 13301-30141 | 30mm x 14FT (Elastic Rope) | 1000                    | Weaving Fabric |

## DOUBLE LAYERS WEB SLING



- Webbing 2"(50mm) x 1M~10M with 2 loops.
- Function for hanging heavy machine or equipment.

| Item No.    | Description | Breaking Capacity (Kgs) |
|-------------|-------------|-------------------------|
| 13303-02010 | 2" x 1M     | 7000                    |
| 13303-02020 | 2" x 2M     | 7000                    |
| 13303-02030 | 2" x 3M     | 7000                    |
| 13303-02040 | 2" x 4M     | 7000                    |
| 13303-02050 | 2" x 5M     | 7000                    |
| 13303-02060 | 2" x 6M     | 7000                    |
| 13303-02070 | 2" x 7M     | 7000                    |
| 13303-02080 | 2" x 8M     | 7000                    |
| 13303-02090 | 2" x 9M     | 7000                    |
| 13303-02100 | 2" x 10M    | 7000                    |

## WIRE TOW CABLE



- Wire Cable with 2 hooks.
- Function for towing vehicles.

| Item No.    | Length (FT.) | Wire Dia. | Hook |
|-------------|--------------|-----------|------|
| 13305-05121 | 12 FT        | 5mm       | 2    |
| 13305-05201 | 20 FT        | 5mm       | 2    |
| 13305-06121 | 12 FT        | 6mm       | 2    |
| 13305-06201 | 20 FT        | 6mm       | 2    |
| 13305-08121 | 12 FT        | 8mm       | 2    |
| 13305-08201 | 20 FT        | 8mm       | 2    |

## LUGGAGE CORD



- Applications for auto truck tarpaulins luggage, carriers, trunk lids, tents, sports racks, boat, mooring.

| Item No.    | Length (inch) | Cord Dia. | Hook |
|-------------|---------------|-----------|------|
| 13304-07120 | 12"           | 7mm       | 2    |
| 13304-07180 | 18"           | 7mm       | 2    |
| 13304-07240 | 24"           | 7mm       | 2    |
| 13304-07300 | 30"           | 7mm       | 2    |
| 13304-07360 | 36"           | 7mm       | 2    |
| 13304-07400 | 40"           | 7mm       | 2    |
| 13304-07480 | 48"           | 7mm       | 2    |



## A Comprehensive Line of Quality Hand Tools

### RUBBER STRAPS



- Fastens securely.
- Eliminates load shifts, flapping, sagging.
- Quick & easy to use.
- Built-in hooks, no knots to tie.
- Sturdy construction.
- Special rubber compound and reinforced ends for long life.
- Applications for auto truck tarpaulins luggage, carriers, trunk lids, tents, sports racks, boat, mooring.

| Item No.    | Length (inch) | Strap Width | Thickness |
|-------------|---------------|-------------|-----------|
| 13304-05091 | 9"            | 16mm        | 5.2mm     |
| 13304-05151 | 15"           | 16mm        | 5.2mm     |
| 13304-05211 | 21"           | 16mm        | 5.2mm     |
| 13304-05311 | 31"           | 16mm        | 5.2mm     |
| 13304-05411 | 41"           | 16mm        | 5.2mm     |

### INDUSTRIAL SAFETY HARNESS



- A light-weight, comfortable full body harness featuring fully adjustable mating buckles and one dorsal D Ring attachment.
- Rope lanyard with standard length of 1.3 meter is used for support/restraint applications.

| Item No.    | Description                          |
|-------------|--------------------------------------|
| 13006-00130 | Rope lanyard length 1.3M with D-Ring |

### CARGO NET



- Usage: Car/Truck back cover.
- Plastic hooks.

| Item No.    | Description       | Hook |
|-------------|-------------------|------|
| 13304-05205 | 5.0mm x 36" x 43" | 20   |
| 13304-06285 | 6.0mm x 72" x 96" | 28   |

### ROPE HOIST



- Weather-proof metal pulleys with strong, long-lasting polypropylene rope.
- Welded rings, double-grip safety hooks and rustproof cadmium-plated housings.

| Item No.    | Description  | Lift Ratio | Capacity |
|-------------|--------------|------------|----------|
| 13302-56500 | ø 5mm x 65FT | 1:7        | 1000Lbs  |
| 13302-76500 | ø 7mm x 65FT | 1:7        | 2000Lbs  |



# VDE Series

VDE Series

- 81 PRO-INSULATE SCREWDRIVERS
- 82 VDE COMBINATION PLIERS
- 82 VDE ROUND NOSE PLIERS
- 82 VDE LONG NOSE PLIERS
- 82 VDE FLAT NOSE PLIERS
- 83 VDE WIRE STRIPPING PLIERS
- 83 VDE DIAGONAL CUTTING PLIERS
- 83 VDE WATER PUMP PLIERS
- 83 VDE CABLE CUTTER





EN 60900:2002

## VDE INSULATED SCREWDRIVER



- The insulating material " Polypropylene" has an adequate resistance to conditioning and acts as a fire retardant.
- Thermoplastic Polyester Elastomer handles provide a comfortable and secure grip and prevent unintentional slipping.
- The insulating material applied can safely adhere to conductive parts from -20°C to +70°C.
- Each VDE screwdriver has been individually tested and passed at 10,000V.
- Examination of all screwdrivers is in accordance with "GS" Safety Mark. (EN-60900 insulated up to 1000V)
- Mechanical specifications as per DIN/ISO individually tested.

| Item No.    | Blade<br>Dia. x Length | Tip Size(mm)<br>Thickness x Width |
|-------------|------------------------|-----------------------------------|
| 08110-03100 | 3 x 100mm              | 0.5 x 3.0                         |
| 08110-03110 | 3 x 100mm              | 0.6 x 3.5                         |
| 08110-04100 | 3 x 100mm              | 0.8 x 4.0                         |
| 08110-04120 | 4.5 x 125mm            | 1.0 x 5.5                         |
| 08110-06150 | 6 x 150mm              | 1.2 x 6.5                         |
| 08110-08170 | 8 x 175mm              | 1.2 x 8.0                         |
| 08110-10200 | 8 x 200mm              | 1.6 x 10                          |

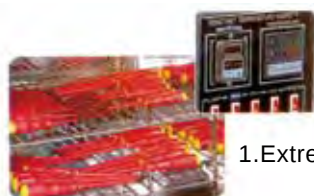


| Item No.    | Blade<br>Dia. x Length | Point Size |
|-------------|------------------------|------------|
| 08210-00020 | 3 x 60mm               | PH#0       |
| 08210-01030 | 4.5 x 80mm             | PH#1       |
| 08210-02040 | 6 x 100mm              | PH#2       |
| 08210-03060 | 8 x 150mm              | PH#3       |



| Item No.    | Blade<br>Dia. x Length | Point Size |
|-------------|------------------------|------------|
| 08710-01030 | 4.5 x 80mm             | PZ#1       |
| 08710-02040 | 6 x 100mm              | PZ#2       |
| 08710-03060 | 8 x 150mm              | PZ#3       |

## Fully Sets for VDE Tests



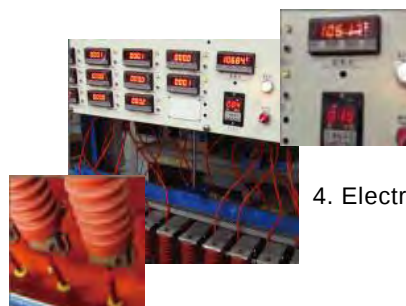
1. Extreme Low Temperature Test



2. Flame Retardancy Test



3. Impact Test



4. Electric Test

## VDE INSULATED SCREWDRIVER 6 IN 1 SET



| Item No.       | Description                                                  | Tip Type | Tip / Point Size (mm) |
|----------------|--------------------------------------------------------------|----------|-----------------------|
| 08310-00060.10 | 6 in 1 Pro-Insulate Screwdriver Set 1/4" hexagon insert bits | ⊖        | 0.8 x 5.5, 1.2 x 6.5  |
|                |                                                              | ⊕        | PH1, PH2              |
|                |                                                              | ⊛        | PZ1, PZ2              |



# VDE Series



1000V  
IEC 60900:2004

## VDE INSULATED COMBINATION PLIERS



- Drop forged Chrome Vanadium steel.
- VDE Certificate approved.
- Ergonomic design for comfortable and strong grip.
- In accordance with DIN standard and insulated to 1000V AC.
- Serrated jaws.

| Item No.    | Overall Length<br>mm / inch | Cutting<br>Wire ømm | Tensile Strength<br>(MPa) |
|-------------|-----------------------------|---------------------|---------------------------|
| 09400-06111 | 160mm / 6"                  | 1.4                 | 1600                      |
| 09400-07111 | 180mm / 7"                  | 1.6                 | 1600                      |
| 09400-08111 | 200mm / 8"                  | 1.6                 | 1600                      |

## VDE INSULATED ROUND NOSE PLIERS



- Drop forged Chrome Vanadium steel.
- VDE Certificate approved.
- Ergonomic design for comfortable and strong grip.
- In accordance with DIN standard and insulated to 1000V AC.

| Item No.    | Overall Length<br>mm / inch |
|-------------|-----------------------------|
| 09220-06116 | 160mm / 6"                  |

## VDE INSULATED LONG NOSE PLIERS



- Drop forged Chrome Vanadium steel.
- VDE Certificate approved.
- Ergonomic design for comfortable and strong grip.
- In accordance with DIN standard and insulated to 1000V AC.
- Serrated jaws.

| Item No.    | Overall Length<br>mm / inch | Cutting<br>Wire ømm | Tensile Strength<br>(MPa) |
|-------------|-----------------------------|---------------------|---------------------------|
| 09201-06111 | 160mm / 6"                  | 1.4                 | 1600                      |
| 09201-08111 | 200mm / 8"                  | 1.6                 | 1600                      |

## VDE INSULATED FLAT NOSE PLIERS



- Drop forged Chrome Vanadium steel.
- VDE Certificate approved.
- Ergonomic design for comfortable and strong grip.
- In accordance with DIN standard and insulated to 1000V AC.

| Item No.    | Overall Length<br>mm / inch |
|-------------|-----------------------------|
| 09240-06111 | 160mm / 6"                  |



1000V  
IEC 60900:2004

## VDE INSULATED WIRE STRIPPING PLIERS



- VDE Certificate approved
- Ergonomic design for comfortable and strong grip
- In accordance with DIN standard and insulated to 1000V AC.

| Item No.    | Overall Length<br>mm / inch |
|-------------|-----------------------------|
| 12300-00160 | 160mm / 6"                  |

## VDE INSULATED HEAVY DUTY DIAGONAL CUTTING PLIERS



- Drop forged Chrome Vanadium steel.
- VDE Certificate approved.
- Ergonomic design for comfortable and strong grip.
- In accordance with DIN standard and insulated to 1000V AC.

| Item No.    | Overall Length<br>mm / inch | Cutting<br>Wire ømm | Tensile Strength<br>(MPa) |
|-------------|-----------------------------|---------------------|---------------------------|
| 09310-06111 | 160mm / 6"                  | 1.6                 | 2150                      |
| 09310-07111 | 180mm / 7"                  | 1.8                 | 2150                      |
| 09310-08111 | 200mm / 8"                  | 2.0                 | 2150                      |

## VDE INSULATED WATER PUMP PLIERS



- Drop forged Chrome Vanadium steel.
- Wide range of jaw adjustment with box joint.
- VDE Certificate approved.
- Ergonomic design for comfortable and strong grip
- In accordance with DIN standard and insulated to 1000V AC.

| Item No.    | Overall Length<br>mm / inch | Jaw Opening<br>mm | Groove<br>Numbers |
|-------------|-----------------------------|-------------------|-------------------|
| 09101-10116 | 250mm / 10"                 | 1~36              | 7                 |

## VDE INSULATED CABLE CUTTER



- VDE Certificate approved.
- Ergonomic design for comfortable and strong grip.
- In accordance with DIN standard and insulated to 1000V AC.

| Item No.    | Overall Length<br>mm / inch | Cutting<br>Wire mm | Cutting Wire<br>area mm <sup>2</sup> |
|-------------|-----------------------------|--------------------|--------------------------------------|
| 06205-06101 | 160mm / 6"                  | 9.5                | 22                                   |
| 06205-08101 | 200mm / 8"                  | 12                 | 38                                   |

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[www.arca-tools.com](http://www.arca-tools.com)

