Grip Forever
Our components, your key
# Index

## Blind Rivet Series

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## Screw Series

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### Power Tools

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</tr>
</tbody>
</table>

### Air Tools

<table>
<thead>
<tr>
<th>Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic Air Riveter</td>
</tr>
</tbody>
</table>
## Hand Tools

- Hand Trucks
- Multi-Function Hand Riveter
- Heavy Duty Long Arm Riveter
- Nut / Thread Setting Hand Riveter
- Folding Heavy Duty Riveter
- Hammer Series
- Utility Knife Series / Pliers Series
- Allen Wrench

## Accessories

- Power Tape Measures
- Bits & Sockets / Drill Bits
- Cutting Wheels & Grinding Wheels
- Level Ruler / Hacksaw Blades
- Waterproof Abrasive Paper / Cable Ties
Nail
Concrete Nails

Hardware
Welding Stud
Welding Series

Door & Windows
Door Closer PC0770
Floor Spring B300 / B330

Packaging

Certifications

* Technical data shown in the specification table is subject to change without prior notice as per continuous product development and improvement.
Grip Forever
Our Components, Your Key

PATTA

Professional
provide expertise and know-how in fastener and construction hardware industry

Active
keep improving quality product and service to customers

Trustworthy
with 30-year experience under well-known “PATTA” brand name

Typical
provide unique fastener problem solving

Ambitious
provide a series of activities to meet customers expectation
Blind Rivets
PADOM
Super High Stregth Blind Rivet

Specification
Dia
Ø4.8, 6.4, 8.0, 9.6, 12.7, 16.0mm
Mandrel    Body
Steel      Carbon or Alloy Steel

Features
Vibration resistance & High tensile performance
Firm, Fast, Safe and Easy installation
Reducing labor time by eliminating secondary operations
No need for special training required for welding work

Applications
· General building
· Truck container
· Bridge construction
· Shaft storage rack
· Rail car assembly
· Aircon equipment

Installation

Setting Diagrams
**QP Open End**

**Material**
- SS
- ST
- AL
- AL

**Advantages**
- Strong but lower cost fastener
- Ideal for a wide range of applications
- Available in a variety of materials
- Dome, countersunk or large flange head styles
- Painted color finishes available to match surrounding

---

**DG Multi-Grip**

**Material**
- AL
- ST

**Advantages**
- Optimum clamp-up force
- Accommodates oversized and irregular sized holes
- High mandrel head retention
- Vibration and moisture resistant
- Reduced inventory. It can replace open type up to the sizes

---

**SE Sealed**

**Material**
- SS
- AL
- CU
- AL
- CU

**Advantages**
- Unique cup shaped end configuration seals tight, preventing passage of vapor or liquid through set rivet.
- Provides greater tensile and shear strength than equivalent open end.
- Mandrel retention
- Available in a variety of materials
- Dome or countersunk head styles

---

**MG Multi-Grip**

**Material**
- SS
- ST

**Advantages**
- Optimum clamp-up force
- Accommodates oversized and irregular sized holes
- High mandrel head retention
- Vibration and moisture resistant
- Reduced inventory. It can replace open type up to the sizes
HK
High Strength HK-Lok

Material
SS  ST

Advantages
- Lock, rattle free mandrel
- Superior shear and tensile strength
- Soft and brittle materials inclusive
- Provides excellent integrity
- Fill irregular holes

IB
Anlock In-Bolt

Material
SS  ST  AL

Advantages
- High shear and tensile strength
- Superior holding power (clamp-up)
- Fastens over wide grip range
- Locking feature prevents loosening of mandrel from vibration

HP
High Strength HK-Lok

Material
ST  AL

Advantages
- Lock, rattle free mandrel
- Superior shear and tensile strength,
- Soft and brittle materials inclusive
- Provides excellent integrity
- Fill irregular holes

GB
Anlock Out-Bolt

Material
ST

Advantages
- High shear and tensile strength
- Superior holding power (clamp-up)
- Fastens over wide grip range
- Locking feature prevents loosening of mandrel from vibration
**BT Bulb Tite**

**Material**
- AL

**Advantages**
- Resists pull-out and cracking the work price
- Excellent for brittle and soft materials like plastics
- Extra large secondary head provides more bearing surface
- With the wide spreading tail, this rivet has a greater tolerance of oversized holes and offers a wide grip range

**PE Peel Blind Rivet**

**Material**
- AL

**Advantages**
- Provide large secondary bearing surface
- Exceptional pull-up / clamp-up properties

**SB Structural Bulb Tite**

**Material**
- AL

**Advantages**
- Airtight and waterproof (with neoprene washer)
- Wide grip range
- High grip strength
- Soft, thin or brittle subject friendly
- Curved or uneven surface

**DR Drive Rivet**

**Material**
- AL

**Advantages**
- Easy to set
- Mandrel is locked in the body
- Various material friendly (wood, plastic, material ... etc)
Open end
**Flat Head**
Round body

**Material**
- SS
- ST
- AL

**Advantages**
- High clamping force
- The loading is spread over a large area
- Application for thin or soft materials

Open end
**Round Body Head**
Round body with knurls

**Material**
- SS
- ST

**Advantages**
- High turning resistance
- Screw length can be varied
- High clamping force
- Application for area where high strength of turning is required

Open end
**Flat Head**
Half hexagon body

**Material**
- SS
- ST

**Advantages**
- High turning resistance
- Screw length can be varied
- High clamping force
- Application for area where high strength of turning is required

Open end
**Flat Head**
Hexagon body

**Material**
- SS
- ST

**Advantages**
- High turning resistance
- Screw length can be varied
- High clamping force
- Application for area where high strength of turning is required
Self Drilling Screws
**Phillips Pan Head**

Plated: **SS** **ZN**

Applications:
- Skin sheet to steel
- Residential steel frame construction
  - for light duty purpose
- Suitable for stitching 1 thick & 1 thin steel plate

**Phillips Countersunk Head**

Plated: **SS** **ZN**

Applications:
- Best choice for fastening in window or door frames purpose
- Using in flat surface required
- Using in per-drilling hole for fitting

**Light Duty Hex Washer Head**

Plated: **SS** **ZN** **YZ**

Applications:
- For medium duty purpose
- Roof deck to steel framing
- Accessories to steel framing

**Medium Duty Hex Washer Head**

Plated: **SS** **ZN** **YZ** **3**

Applications:
- For light duty purpose
- Stitch roof deck and wall panel side laps
- Residential steel frame construction
- Brick ties to steel framing

**Heavy Duty Hex Washer Head**

Plated: **SS** **ZN** **YZ** **5**

Applications:
- For heavy duty purpose
- Metal deck to structural steel or bar joist
- Clip to structural or bar joist
- Longer length fasteners for sheet application

**EPDM Hex Washer Flange**

Plated: **ZN** **YZ** **3**

Applications:
- For medium duty purpose
- Roof deck to steel framing
- Accessories to steel framing
**Farmer Screw**

Plated: ZN  
Point: 2

Applications:
- Effective seal with EPDM
- Fixing on the overlap panel
- Roof and wall etc. No overlap use a driller to fit screws in the valleys

---

**Phillips Bugle Head**

Plated: SS ZN YZ BP  
Point: 3

Applications:
- For using in stitch wood to metal
- Using in flat surface required
- Using in pre-drilled hole for fitting

---

**Phillips Truss Head**

Plated: SS ZN BP

Applications:
- Residential steel frame construction
- For using in object like ploy carbonate
- Sheet shadow cover

---

**410 Stainless Steel**

Applications:
- Architectural moldings and trim
- Excellent corrosion resistance
- Weather resistance, water proof for exterior environment

---

**Phillips Countersunk Wings**

Plated: SS ZN YZ  
Point: 3 4 5

Applications:
- Wood mansard to steel frames
- Plywood fascia to steel frames
- Plywood roof and floor sheet to steel frames

---

**Phillips Wafer Head**

Plated: SS ZN YZ

Applications:
- Roof and skin sheet to steel
- Residential steel frame construction
- For light duty purpose
**Stainless Cap Screw**

- **Plated**: ZN
- **Point**: 2, 3

Applications:
- Prevent rust
- For steel application
- Weather resistance, water proof for exterior environment

**Concrete & Masonry**

Applications:
- Concrete material fixtures
- Flexible flashing
- Suitable for soft brick & masonry work

**Double thread**

- **Plated**: RS, ZN
- **Point**: 5

Applications:
- Roof and wall panel over rigid insulation to steel framing
- Roof panel over spacer block and insulation to eaves purlin

**Wing up with washer**

**Hex Washer Head**

- **Plated**: ZN, YZ
- **Point**: 2

Applications:
- For fiber cement sheet to steel application
- EPDM with good water proof for exterior environment
- Wing up to enhance the drilling performance for fitting in exterior environment

---

**Materials**

- Stainless Steel
- Rustproof Zinc
- Yellow Zinc
- Black phosphate
**NSSC Stainless Steel**

Superior anti-corrosion

- **Salt Spray Test**: 5,000-10,000 hrs
- **Kesternich Test**: 70 cycles

High Hardness

- **HV**: 615-640
- **High Tensile Strength**: 1,800 Mpa.

**Bi-metal**

- High drilling ability and corrosion resistance.
- A2-700N in ISO standard for strength is guaranteed.

---

**High-hardness / High-strength**

Drivability of self-drilling screws

<table>
<thead>
<tr>
<th>Material of Screw</th>
<th>Drivable Steel Sheet Thickness</th>
<th>Tip Hardness (HV)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600</td>
</tr>
<tr>
<td><strong>PATEK</strong></td>
<td>&gt; 5.5mm</td>
<td></td>
</tr>
<tr>
<td>Type 410</td>
<td>&gt; 5.5mm</td>
<td></td>
</tr>
<tr>
<td>Carbon steel</td>
<td>&gt; 5.5mm</td>
<td></td>
</tr>
<tr>
<td>Type 202</td>
<td>1.6mm</td>
<td></td>
</tr>
<tr>
<td>Type 304</td>
<td>&lt; 1.6mm</td>
<td></td>
</tr>
</tbody>
</table>

- Drivable through 10mm thick steel sheet

---

**High Drilling Capacity**

PATEK screw size 5.5 with Tek #5

Stainless steel sheet 3mm thick

Steel sheet 12mm thick

---

**Applications**

---

**Size (mm)**

<table>
<thead>
<tr>
<th>PAN</th>
<th>CSK</th>
<th>TRUSS</th>
<th>HWH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2X13</td>
<td>4.2X16</td>
<td>4.2X13</td>
<td>5.5X25</td>
</tr>
<tr>
<td>4.2X16</td>
<td>4.2X25</td>
<td>4.2X16</td>
<td>5.5X38</td>
</tr>
<tr>
<td></td>
<td>4.2X19</td>
<td></td>
<td>5.5X50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5.5X65</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5.5X75</td>
</tr>
</tbody>
</table>

* Other sizes available upon request
304 Bi-metal

SUS304 Bi-metal screws

combined together two parts by welding, the one consisting of
a stainless head which shall be exposed air and a stainless shank which undergoes
the full-stress after fastened into materials, and the another is a carbon steel hardened
for self-drilling and self-tapping.

Configuration

stainless head & body ·
stainless steel, SUS 304 ·
with corrosion resistance ·
(no case-hardening)

Head, part of torque transfer
and bearing surface

B Thread part for fastening

C Welding part

self-drilling point ·
stainless steel, SUS 410 ·
case-hardened carbon steel ·

D Drilling point

Strength
A - No case-hardening for keeping anti-corrosion high. Surface hardness 350HV
B - Tensile stress value over A2 (700N/mm)
C - Welding strength over the breaking values for torsion and tensile of part B
D - Case-hardening for over 600HV

M5.5 x 25 mm  M5.5 x 38 mm  M5.5 x 50 mm
M5.5 x 65 mm  M5.5 x 75 mm
M5.5 x 100 mm
Self Tapping Screws
**Drywall Screw**
- Bugle head phillips
- Twinfast thread

**Pan Head**
- DIN 7981
- Pan head
- Pan phillips combo

**Drywall Screw**
- Bugle head phillips
- Coarse thread

**Flat Head**
- DIN 7982
- Flat head

**Chipboard Screw**
- Flat head, pozidr recess

**Hex Washer Head**
- Hex washer head
**Oval Head**
- Specification
- DIN 7983 self tapping screw
- Oval phillips

**Truss Screw**
- Specification
- Truss head phillips

**Wood Screw**
- **Hexagon Head**
  - Specification
  - DIN 571
  - Hexagon head

**Confrimat Screw**
- Specification
- Phillips drive or hex

**Wood Screw**
- **Flat Head**
  - Specification
  - DIN 7997
  - Flat head phillips
  - Black oxide / zinc

**Machine Screw**
- Specification
- Flat head phillips
Pan Framing Screw
Specification
- Phillips drive

Concrete Screw
Specification
- Flat torx head

Dowel Screws
Specification
- Dowell screw

Break Machine Screw
Specification
- Phillips
- Pozi drive

Hanger Bolt

Stainless Screw
Specification
- Oval Head
- Flat Head
- Pan Head
- Hex Washer Head
Collated Screws
Phillips
Bugle Head

Twinfoast Thread

<table>
<thead>
<tr>
<th>d</th>
<th>dk (max)</th>
<th>k</th>
<th>z</th>
<th>p</th>
</tr>
</thead>
<tbody>
<tr>
<td>M3.5</td>
<td>8-8.4</td>
<td>0.8</td>
<td>No.2</td>
<td>1.49</td>
</tr>
<tr>
<td>M3.9</td>
<td>8-8.4</td>
<td>0.8</td>
<td>No.2</td>
<td>1.59</td>
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</table>

Coarse Thread

<table>
<thead>
<tr>
<th>d</th>
<th>dk (max)</th>
<th>k</th>
<th>z</th>
<th>p</th>
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<tbody>
<tr>
<td>M3.5</td>
<td>8-8.4</td>
<td>0.8</td>
<td>No.2</td>
<td>2.82</td>
</tr>
<tr>
<td>M3.9</td>
<td>8-8.4</td>
<td>0.8</td>
<td>No.2</td>
<td>2.82</td>
</tr>
</tbody>
</table>

Size

<table>
<thead>
<tr>
<th>mm</th>
<th>[inch]</th>
<th>[50pcs / Belt]</th>
<th>[20Belt (1000pcs) / Box]</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>#6x1&quot;</td>
<td>50pcs / Belt</td>
<td>20Belt (1000pcs) / Box</td>
</tr>
<tr>
<td>32</td>
<td>#6x1-1/4&quot;</td>
<td>50pcs / Belt</td>
<td>20Belt (1000pcs) / Box</td>
</tr>
<tr>
<td>38</td>
<td>#6x1-1/2&quot;</td>
<td>50pcs / Belt</td>
<td>20Belt (1000pcs) / Box</td>
</tr>
<tr>
<td>3.9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>#7x1&quot;</td>
<td>50pcs / Belt</td>
<td>20Belt (1000pcs) / Box</td>
</tr>
<tr>
<td>38</td>
<td>#7x1-1/2&quot;</td>
<td>50pcs / Belt</td>
<td>20Belt (1000pcs) / Box</td>
</tr>
<tr>
<td>50</td>
<td>#7x2&quot;</td>
<td>50pcs / Belt</td>
<td>20Belt (1000pcs) / Box</td>
</tr>
</tbody>
</table>
### Countersunk Wings

<table>
<thead>
<tr>
<th>Size</th>
<th>[mm]</th>
<th>[inch]</th>
<th>50pcs / Belt</th>
<th>20Belt (1000pcs) / Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.9</td>
<td>25</td>
<td>#7x1&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>#7x1-1/2&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>#7x2&quot;</td>
<td></td>
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</tbody>
</table>

### Chipboard Screws

<table>
<thead>
<tr>
<th>Size</th>
<th>[mm]</th>
<th>[inch]</th>
<th>50pcs / Belt</th>
<th>20Belt (1000pcs) / Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5</td>
<td>25</td>
<td>#6x1&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>#6x1-1/4&quot;</td>
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<td></td>
</tr>
<tr>
<td>4.5</td>
<td>35</td>
<td>#6x1-3/8&quot;</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>40</td>
<td>#6x1-5/8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Fixings & Anchors
Nylon Plug

Applications
- Concrete & masonry building materials
- Perforated brick and more....

Nylon Frame Hammer Fixing

Applications
- Concrete
- Sand-Lime solid brick & red solid brick and more....

Hose Clamp

Applications
- Widely used with full size range.
- Easy installation by using flathead screw driver.
- Manufactured in fine procedures to ensure well function.
- Quality zinc-plated surface to enhance anti-rust performance.
- Applications: automotive, vessel and construction applications for binding and fixing functions.
Nylon Frame Anchor

Applications
- Wood, hardboard, plaster, metal
- Cinder block, slate, marble, plastic, glass, concrete and more....

Metal Frame Anchor

Applications
- Plastic, wood, slate, hollow brick
- Plaster, metal, cinder block, marble concrete and more....

Wedge Anchor

Applications
- Cracked concrete
- Non-cracked concrete, and more....

Drop-in Anchor

Applications
- Concrete & natural stone
- Pipes, gratings, ventilation systems, sprinkler systems, suspended ceilings and more....

Shield Anchor

Applications
- Concrete, brickwork, blocks work
- Medium duty fixing, garage door, racking to walls, and more....

Bolt Anchor

Applications
- Cracked and non-cracked concrete
- Natural stone, and more....
**Cut Anchor**

**Applications**
- Concrete & natural stone
- Steel construction, handrails, consoles, ladders, cable trays and more....

**Hammer Drive Anchor**

**Applications**
- Concrete
- Solid brick & natural stone and more....

**Plasterboard Fixing Metal**

**Applications**
- Fiber board
- Single & double plasterboard, rear-insulated plasterboard, and more....

**Sleeve Anchor Flange Nut Type**

**Applications**
- Concrete, brick, block, stone, gates
- Steel construction, elevator, bathing, equipment, and more....

**Plasterboard Fixing Nylon**

**Applications**
- Plasterboard
- Lamp, skirting board, switches, cable ducts, picture frames, and more....

**Hollow Wall Anchor**

**Applications**
- Wall board, plaster, paneling, shelves
- Hollow block, lamps, window elements, fiber cement board, and more....
NSSC Stainless Steel
Superior anti-corrosion
Salt Spray Test  Kesternich Test
5,000-10,000 hrs  70 cycles

Bi-metal
Long lifespan project

Carbon Steel
Enhance the mechanical property by special heating technique

Features
- Tri-lobe drilling tip with special saw tooth leads it into the concrete easily. (For NSSC & Carbon Steel.)
- High hardness. Strong tensile strength.
- No extension transferred to the base material. Avoid complex installation.
- Applicable closer to the edge than traditional expansion anchors.
- Easy maintenance – Disassemble + Removable.
- Performs reliably in cracked and non-cracked concrete.

Size (mm)

<table>
<thead>
<tr>
<th>Size</th>
<th>M6X50</th>
<th>M8X75</th>
<th>M10X75</th>
<th>M12X75</th>
</tr>
</thead>
<tbody>
<tr>
<td>M6X75</td>
<td>M8X100</td>
<td>M10X100</td>
<td>M12X100</td>
<td>M12X150</td>
</tr>
</tbody>
</table>

* Other sizes available upon request

Applications

1. Drill & clean the hole
2. Insert the anchor with socket wrench or an impact driver
3. Tighten the anchor until the fixture is held firm
Bolts & Nuts
Hexagonal Head Bolt
- DIN 933

Hexagon Nut
- DIN 934

Hexagonal Head Bolt
- DIN 931

Wing Nut
- DIN 315

Hexagonal Socket Head Cap Screw
- DIN 912

Threaded Rod
- DIN 975

Mushroom Head Square Neck Bolt
- DIN 603

Hex Nut With Plastic Insert
- DIN 985
Power Tools
**Electric Drill**

**DED18**

18V / 2.5Ah Battery

**Feature**
- Keyless chuck with automatic spindle lock
- 24 position clutch and 2-speed gear box
- Holder for screws and bits placement
- Handling design with ergonomics

---

**Impact Wrench**

**DIW1801**

18V / 2.5Ah Battery

**Feature**
- Up to 3,200 impacts per minute
- 3-Speed selector switch
- Tri-LED light
- Handling design with ergonomics

---

**Impact Wrench**

**DIW1802**

18V / 2.5Ah Battery

**Feature**
- 3-Speed switch to adjust torque
- Holder for screws and bits placement
- Tool-free guard
- Handling design with ergonomics

---

**Rotary Hammer Drill**

**DRHD18**

18V / 2.5Ah Battery

**Feature**
- 3 modes selector-rotary hammer, rotational drilling, chisel mode
- Innovative chisel adjust mode
- Variable speed trigger
- Handling design with ergonomics
Angle Grinder

DAG18

18V / 2.5Ah Battery

Features
- Up to 6,500 rotations per minute
- Easy trigger switch
- Tool-free guard
- Handling design with ergonomics
## Electric Drill

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Power Input</th>
<th>No-load Speed</th>
<th>Max. Drilling Capacity</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AELO3-10</td>
<td>300 W</td>
<td>0-3000 r/min</td>
<td>Steel Φ10 mm</td>
<td>1.5 kg</td>
</tr>
<tr>
<td>AELO3-10L</td>
<td></td>
<td></td>
<td>Wood Φ18 mm</td>
<td></td>
</tr>
<tr>
<td>AELO5-13</td>
<td>500 W</td>
<td>0-1200 r/min</td>
<td>Steel Φ13 mm</td>
<td>2.4 kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Wood Φ20 mm</td>
<td></td>
</tr>
</tbody>
</table>

## Electric Impact Drill

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Power Input</th>
<th>No-load Speed</th>
<th>Rated Impacting Frequency</th>
<th>Max. Drilling Capacity</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AELO2-6A</td>
<td>250 W</td>
<td>0-3800 r/min</td>
<td>0-41500 (…/min)</td>
<td>Steel Φ10 mm</td>
<td>1.2 kg</td>
</tr>
<tr>
<td>AELO2-6AL</td>
<td></td>
<td></td>
<td></td>
<td>Wood Φ13 mm</td>
<td></td>
</tr>
<tr>
<td>AEI05-10</td>
<td>500 W</td>
<td>0-2600 r/min</td>
<td></td>
<td>Concrete Φ13 mm</td>
<td>2.0 kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wood Φ25 mm</td>
<td></td>
</tr>
</tbody>
</table>
# Rotary Hammer

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Power Input</th>
<th>No-load Speed</th>
<th>Max Drilling Capacity</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH09-30</td>
<td>960 W</td>
<td>1000 r/min</td>
<td>Ø30 mm</td>
<td>5.2 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Power Input</th>
<th>No-load Speed</th>
<th>Max Drilling Capacity</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH05-20</td>
<td>500 W</td>
<td>0-850 r/min</td>
<td>Ø20 mm</td>
<td>2.9 kg</td>
</tr>
</tbody>
</table>

# Demolition Hammer

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Power Input</th>
<th>Rated Impacting Frequency</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADH09</td>
<td>1050 W</td>
<td>2900 […]/min</td>
<td>6.8 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Power Input</th>
<th>Rated Impacting Frequency</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADH10</td>
<td>1050 W</td>
<td>3000 […]/min</td>
<td>5.5 kg</td>
</tr>
</tbody>
</table>
## Angle Grinder

### AAG08-125
- **Max. Wheel Diameter**: Φ125 mm
- **Hole Diameter Of Wheel**: Φ22 mm
- **Rated Power Input**: 850 W
- **Rated Speed**: 11800 r/min
- **Net Weight**: 1.8 kg

### AAG07-115
- **Max. Wheel Diameter**: Φ115 mm
- **Hole Diameter Of Wheel**: Φ22 mm
- **Rated Power Input**: 710 W
- **Rated Speed**: 11800 r/min
- **Net Weight**: 1.6 kg

### AAG07-100
- **Max. Wheel Diameter**: Φ100 mm
- **Hole Diameter Of Wheel**: Φ16 mm
- **Rated Power Input**: 710 W
- **Rated Speed**: 13000 r/min
- **Net Weight**: 1.6 kg

### AAG14-150
- **Max. Wheel Diameter**: Φ150 mm
- **Hole Diameter of Wheel**: Φ22 mm
- **Rated Power Input**: 1400 W
- **Rated Speed**: 9000 r/min
- **Net Weight**: 3.3 kg
AAG20-180
Max. Wheel Diameter  Ø180 mm
Hole Diameter of Wheel  Ø22 mm
Rated Power Input  2200 W
Rated Speed  8300 r/min
Net Weight  5.0 kg

AAG20-230
Max. Wheel Diameter  Ø230 mm
Hole Diameter of Wheel  Ø22 mm
Rated Power Input  2200 W
Rated Speed  6600 r/min
Net Weight  6.5 kg

Blower

AAG08-115
Max. Wheel Diameter  Ø115 mm
Hole Diameter of Wheel  Ø22 mm
Rated Power Input  850 W
Rated Speed  11800 r/min
Net Weight  1.8 kg

ABL04-25
Rated Power Input  480 W
No-load Speed  14000 r/min
The Max Gas Volume  2.5 m³/min
Net Weight  1.8 kg
### Electric Cut-off Machine

**ASC20-355**
- Wheel Size: 355 x 3 x 25.4 mm
- Rated Power Input: 2000 W
- No-load Speed: 3800 r/min
- Net Weight: 16 kg

### Marble Cutter

**AMC16-110**
- Blade Diameter: \( \Phi 110 \) mm
- Max. Cutting Capacity: 30 mm
- Rated Power Input: 1600 W
- Bevel Cutting angle: 0°~45°
- No-load Speed: 12000 r/min
- Net Weight: 3.2 kg

### Electric Circular Saw

**ACS11-185**
- Rated Power Input: 1100 W
- No-load Speed: 5600 r/min
- Max. Cutting Capacity: 64 mm
- Max. Cutting Angle: 45°
- Net Weight: 3.6 kg

**ACS20-235**
- Rated Power Input: 2000 W
- No-load Speed: 4100 r/min
- Max. Cutting Capacity: (90°) 65 mm (45°) 60 mm
- Max. Cutting Angle: 50°
- Net Weight: 6.5 kg
Electric Mixer

AEM08-160
Rated Power Input 800 W
No-load Speed 680 r/min
Net Weight 2.4 kg

Heat Gun

AHG20
Rated Power Input 2000 W
Low Temperature 50–400 °C
High Temperature 50–600 °C
Air Flow Low Temperature 210–250 °C
High Temperature 340–380 °C
Net Weight 0.8 kg
# Hydraulic Air Riveter

## PAR-01

<table>
<thead>
<tr>
<th>Stroke</th>
<th>Maximum</th>
<th>14mm</th>
<th>Air consumption</th>
<th>@5.5kgf</th>
<th>1.2L</th>
<th>Alum / Steel</th>
<th>All Steel</th>
<th>Stainless / Steel</th>
<th>All Stainless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pull Force</td>
<td>@5.5bar / 5.5 kgf</td>
<td>6.0kn / 612kgf</td>
<td>per cycle time</td>
<td>@5.5kgf</td>
<td>1.2L</td>
<td>Alum / Steel</td>
<td>All Steel</td>
<td>Stainless / Steel</td>
<td>All Stainless</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
<td>1.7kg</td>
<td>Noise</td>
<td>Below</td>
<td>75dB(A)</td>
<td>Stainless / Steel</td>
<td>All Stainless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cycle Time</td>
<td>Second</td>
<td>0.9s</td>
<td>Vibration</td>
<td>Below</td>
<td>2.5 m/s</td>
<td>All Stainless</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Pressure</td>
<td>Minimum-maximum</td>
<td>5 - 7kgf</td>
<td>(no exceeding 7kgf)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## PAR-02

<table>
<thead>
<tr>
<th>Stroke</th>
<th>Maximum</th>
<th>17mm</th>
<th>Air consumption</th>
<th>@5.5kgf</th>
<th>2.1L</th>
<th>Alum / Steel</th>
<th>All Steel</th>
<th>Stainless / Steel</th>
<th>All Stainless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pull Force</td>
<td>@5.5bar / 5.5 kgf</td>
<td>9.3kn / 953kgf</td>
<td>per cycle time</td>
<td>@5.5kgf</td>
<td>2.1L</td>
<td>Alum / Steel</td>
<td>All Steel</td>
<td>Stainless / Steel</td>
<td>All Stainless</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
<td>2.1kg</td>
<td>Noise</td>
<td>Below</td>
<td>75dB(A)</td>
<td>Stainless / Steel</td>
<td>All Stainless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cycle Time</td>
<td>Second</td>
<td>0.8s</td>
<td>Vibration</td>
<td>Below</td>
<td>2.5 m/s</td>
<td>All Stainless</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Pressure</td>
<td>Minimum-maximum</td>
<td>5 - 7kgf</td>
<td>(no exceeding 7kgf)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## PAR-03

<table>
<thead>
<tr>
<th>Stroke</th>
<th>Maximum</th>
<th>25mm</th>
<th>Air consumption</th>
<th>@5.5kgf</th>
<th>4.3L</th>
<th>Alum / Steel</th>
<th>All Steel</th>
<th>Stainless / Steel</th>
<th>All Stainless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pull Force</td>
<td>@5.5bar / 5.5 kgf</td>
<td>12.9kn / 1316kgf</td>
<td>per cycle time</td>
<td>@5.5kgf</td>
<td>4.3L</td>
<td>Alum / Steel</td>
<td>All Steel</td>
<td>Stainless / Steel</td>
<td>All Stainless</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
<td>2.3kg</td>
<td>Noise</td>
<td>Below</td>
<td>75dB(A)</td>
<td>Stainless / Steel</td>
<td>All Stainless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cycle Time</td>
<td>Second</td>
<td>1.2s</td>
<td>Vibration</td>
<td>Below</td>
<td>2.5 m/s</td>
<td>All Stainless</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Pressure</td>
<td>Minimum-maximum</td>
<td>5 - 7kgf</td>
<td>(no exceeding 7kgf)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For Structural Rivet PAR-04

Recommended for Industrial Production Line
Supported Rivets: • Production line • General Use
## AR-600

**Specialized for** Steel, Aluminum

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Weight</strong></td>
<td>1.5kg</td>
</tr>
<tr>
<td><strong>Operating Air</strong></td>
<td>0.49-0.59MPa (5-6kgf/cm², 71-85psi)</td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td>255x285x80mm</td>
</tr>
<tr>
<td><strong>Air Consumption per rivet</strong></td>
<td>1.5 (0.053)</td>
</tr>
<tr>
<td><strong>Tool Stroke mm (inch)</strong></td>
<td>14 (0.55/64)</td>
</tr>
<tr>
<td><strong>Traction power at 0.59mpa K (kgf)</strong></td>
<td>8 (820)</td>
</tr>
<tr>
<td><strong>Applicable break stem rivet</strong></td>
<td>Φ mm: 3.2, 4.0</td>
</tr>
<tr>
<td></td>
<td>Φ inch: 1/8, 5/32</td>
</tr>
</tbody>
</table>

## AR-800

**Specialized for** Steel, Aluminum

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Weight</strong></td>
<td>2kg</td>
</tr>
<tr>
<td><strong>Operating Air</strong></td>
<td>0.49-0.59MPa (5-6kgf/cm², 71-85psi)</td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td>275x315x90mm</td>
</tr>
<tr>
<td><strong>Air Consumption per rivet</strong></td>
<td>2.9 (0.102)</td>
</tr>
<tr>
<td><strong>Tool Stroke mm (inch)</strong></td>
<td>16 (0.63/64)</td>
</tr>
<tr>
<td><strong>Traction power at 0.59mpa K (kgf)</strong></td>
<td>12 (1,230)</td>
</tr>
<tr>
<td><strong>Applicable break stem rivet</strong></td>
<td>Φ mm: 4.0, 4.8, 6.4</td>
</tr>
<tr>
<td></td>
<td>Φ inch: 5/32, 3/16, 1/4</td>
</tr>
</tbody>
</table>
Hand Tools
Hand Trucks

HT-60
Steel Hand Trucks
- Capacity: 60 kgs
- Overall size: D415 x W395 x H1050mm
- Foldable size: D50 x W385 x H760mm
- Packing: 4 PCS/CTN
- Wheel: 5” TPR wheel
- Nose plate: Aluminum W390 x D280mm
- Net Weight: 41 kg

HT-180
Aluminum Hand Trucks
- Capacity: 180 kgs
- Overall size: D800 x W600 x H1280mm
- Foldable size: D100 x W595 x H102mm
- Packing: 1 PCS / 1 CTN
- Wheel: 8” TPR
- Nose plate: Aluminum W590 x D355mm
- Net Weight: 9.7 kg
HT-100

Steel Hand Trucks

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>100 kgs</td>
</tr>
<tr>
<td>Overall size</td>
<td>D490 x W525 x H1080mm</td>
</tr>
<tr>
<td>Foldable size</td>
<td>D70 x W480 x H840mm</td>
</tr>
<tr>
<td>Packing</td>
<td>4 PCS / 1 CTN</td>
</tr>
<tr>
<td>Wheel</td>
<td>7” TPR wheel</td>
</tr>
<tr>
<td>Nose plate</td>
<td>Aluminum W350 x D485mm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>5.5 kg</td>
</tr>
</tbody>
</table>

HT-250

3 in 1 Aluminum Hand Trucks

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>250kgs (2 wheel) / 350kgs (4 wheel)</td>
</tr>
<tr>
<td>Overall size</td>
<td>D460 x W520 x H1060mm</td>
</tr>
<tr>
<td>Foldable size</td>
<td>D460 x W520 x H1325mm</td>
</tr>
<tr>
<td>Packing</td>
<td>1 PCS / POLYBAG</td>
</tr>
<tr>
<td>Wheel</td>
<td>10” Flat Free Wheel + 4” PU Caster</td>
</tr>
<tr>
<td>Nose plate</td>
<td>W18” x D7.5”</td>
</tr>
<tr>
<td>Net Weight</td>
<td>17.2 kg</td>
</tr>
</tbody>
</table>
# Multi-Function Hand Riveter

## HR-901N
**Specification**
Body made of steel Tool dimension: 10 inch / 250mm

**Supported Rivet**
Specialized for OP type

<table>
<thead>
<tr>
<th>mm</th>
<th>24</th>
<th>3.2</th>
<th>4.0</th>
<th>4.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>inch</td>
<td>3/32</td>
<td>1/8</td>
<td>5/32</td>
<td>3/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alum / Steel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## HR-902N
**Specification**
Aluminum alloy body Tool dimension: 10 inch / 250mm

**Supported Rivet**
Specialized for OP type

<table>
<thead>
<tr>
<th>mm</th>
<th>24</th>
<th>3.2</th>
<th>4.0</th>
<th>4.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>inch</td>
<td>3/32</td>
<td>1/8</td>
<td>5/32</td>
<td>3/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alum / Steel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel / Steel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## HR-908N
**Specification**
Cross pin made by alloy steel Tool Dimension: 10 inches / 250mm

**Supported Rivet**
Specialized for OP type

<table>
<thead>
<tr>
<th>mm</th>
<th>24</th>
<th>3.2</th>
<th>4.0</th>
<th>4.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>inch</td>
<td>3/32</td>
<td>1/8</td>
<td>5/32</td>
<td>3/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alum / Steel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel / Steel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SS / Steel</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>SS / SS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Heavy Duty Long Arm Riveter
HR-701

Specification
Tool Length: 11 inch / 280mm

Supported Rivet
Specialized for OP type

<table>
<thead>
<tr>
<th>mm</th>
<th>Inch</th>
<th>2.4</th>
<th>3/32&quot;</th>
<th>3.2</th>
<th>1/8&quot;</th>
<th>4.0</th>
<th>5/32&quot;</th>
<th>4.8</th>
<th>3/16&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alum / Steel</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel / Steel</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>SS / Steel</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| SS / SS | * | * | * | * | *

Folding Heavy Duty Riveter
HR-8000-1N

Specification
Tool Length: 12 inch / 305mm

Supported Rivet
Specialized for OP type

<table>
<thead>
<tr>
<th>mm</th>
<th>Inch</th>
<th>3.2</th>
<th>1/8&quot;</th>
<th>4.0</th>
<th>5/32&quot;</th>
<th>4.8</th>
<th>3/16&quot;</th>
<th>6.4</th>
<th>1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alum / Steel</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Steel / Steel | * | * | * | * | * | *
| SS / SS | * | * | * | * | *

Heavy Duty Long Arm Riveter
HR-702

Specification
Cross pin made by alloy steel
Tool Dimension: 10 inches / 250mm

Supported Rivet
Specialized for OP type

<table>
<thead>
<tr>
<th>mm</th>
<th>Inch</th>
<th>2.4</th>
<th>3/32&quot;</th>
<th>3.2</th>
<th>1/8&quot;</th>
<th>4.0</th>
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<tr>
<td>Steel / Steel</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
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<tr>
<td>SS / Steel</td>
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<td></td>
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</tr>
</tbody>
</table>
| SS / SS | * | * | * | *

Nut / Thread Setting Hand Riveter
HN-901

Specification
Tool Dimension: 13 inches / 330mm

Mandrel capacity
M3(#6), M4(#8), M5(#10), M6(#1/4), M8(#5/16), M10(#5/8)

Standard accessory
M3(#6), M4(#8), M10(#3/8), M12(#3/8) are also available for order.
**Claw Hammer**

- **in bent head**
  - Item no.: HBH-20008
  - Size: 8oz
  - Item no.: HBH-20016
  - Size: 16oz

- **in straight head**
  - Item no.: HSH-20016
  - Size: 16oz

**Claw Hammer**

- **with magnet in bent head**
  - Item no.: HBH-20016M
  - Size: 16oz

- **with magnet in straight head**
  - Item no.: HSH-20016M
  - Size: 16oz

**Ball Pein Hammer**

- Item no.: HBP-20024
  - Size: 24oz
- Item no.: HBP-20032
  - Size: 32oz
- Item no.: HBP-20040
  - Size: 40oz

**Machinist Hammer**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Size</th>
<th>Item no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMT-G0100</td>
<td>100g</td>
<td>HMT-G0500</td>
<td>500g</td>
</tr>
<tr>
<td>HMT-G0200</td>
<td>200g</td>
<td>HMT-G1000</td>
<td>1000g</td>
</tr>
<tr>
<td>HMT-G0300</td>
<td>300g</td>
<td>HMT-G1500</td>
<td>1500g</td>
</tr>
<tr>
<td>HMT-G0400</td>
<td>400g</td>
<td>HMT-G2000</td>
<td>2000g</td>
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</table>
Cross Ball Pein Hammer

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<tbody>
<tr>
<td>HCB-M0016</td>
<td>16 mm</td>
<td>HCB-M0022</td>
<td>22 mm</td>
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<tr>
<td>HCB-M0018</td>
<td>18 mm</td>
<td>HCB-M0025</td>
<td>25 mm</td>
</tr>
<tr>
<td>HCB-M0020</td>
<td>20 mm</td>
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Stoning Hammer

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<th>Item no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HST-G0800</td>
<td>800g</td>
<td>HST-G2000</td>
<td>2000g</td>
</tr>
<tr>
<td>HST-G1000</td>
<td>1000g</td>
<td>HST-G3000</td>
<td>3000g</td>
</tr>
<tr>
<td>HST-G1500</td>
<td>1500g</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Pick Mattock

<table>
<thead>
<tr>
<th>Item no.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>HPM-G1500</td>
<td>1.5 kg</td>
</tr>
<tr>
<td>HPM-G2000</td>
<td>2 kg</td>
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</tbody>
</table>

Rubber Hammer
in TPE

<table>
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<tr>
<th>Item no.</th>
<th>Size</th>
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<tbody>
<tr>
<td>HRB-Z0008</td>
<td>8 oz</td>
</tr>
<tr>
<td>HRB-Z0012</td>
<td>12 oz</td>
</tr>
<tr>
<td>HRB-Z0016</td>
<td>16 oz</td>
</tr>
</tbody>
</table>

Sledge Hammer

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Size</th>
<th>Item no.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSL-P0002</td>
<td>2LB</td>
<td>HSL-P0012</td>
<td>12LB</td>
</tr>
<tr>
<td>HSL-P0003</td>
<td>3LB</td>
<td>HSL-P0014</td>
<td>14LB</td>
</tr>
<tr>
<td>HSL-P0004</td>
<td>4LB</td>
<td>HSL-P0016</td>
<td>16LB</td>
</tr>
<tr>
<td>HSL-P0006</td>
<td>6LB</td>
<td>HSL-P0018</td>
<td>18LB</td>
</tr>
<tr>
<td>HSL-P0008</td>
<td>8LB</td>
<td>HSL-P0020</td>
<td>20LB</td>
</tr>
<tr>
<td>HSL-P0010</td>
<td>10LB</td>
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</tbody>
</table>

Kitchen Axe

<table>
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<tr>
<th>Item no.</th>
<th>Size</th>
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<tbody>
<tr>
<td>HKA-G0600</td>
<td>600g</td>
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<tr>
<td>HKA-G0800</td>
<td>800g</td>
</tr>
<tr>
<td>HKA-G1000</td>
<td>1000g</td>
</tr>
<tr>
<td>HKA-G1250</td>
<td>1250g</td>
</tr>
<tr>
<td>HKA-G1500</td>
<td>1500g</td>
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</tbody>
</table>

55
Utility Knife Series

0141-C
Aluminum alloy utility knife with rubber case, 1+4 blades, SK4, stainless housing holder
Blade size : T-sharp

0331-S
ABS +TPR Rubber case utility knife, 3 blade, SK4, lock, 18mm width, stainless housing holder
Blade size : 18mm width

0321-C
ABS +TPR Rubber case utility knife, 1 blade, SK4, 18mm width, stainless housing holder, In blister card
Blade size : 18mm width

Pliers Series

Combination Pliers
7" / 8"

Long Nose Pliers
6"

Diagonal Cutting Pliers
6"
Allen Wrench

Features
- The storage holder convenient for taking out and safe keeping tools.
- Keys manufactured from chrome vanadium steel giving additional durability and extended life.
- Professionally treated faces give prolonged product usage.

<table>
<thead>
<tr>
<th>SLC-9A / SMC-9A</th>
<th>BMC-9A / BLC-9A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size [mm]</strong></td>
<td><strong>Size [mm]</strong></td>
</tr>
<tr>
<td>9.0 mm</td>
<td>10 mm</td>
</tr>
<tr>
<td>8.0 mm</td>
<td>8 mm</td>
</tr>
<tr>
<td>7.0 mm</td>
<td>6 mm</td>
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<tr>
<td>5.5 mm</td>
<td>5 mm</td>
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<tr>
<td>5.0 mm</td>
<td>4 mm</td>
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<tr>
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<td>3 mm</td>
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<tr>
<td>3.0 mm</td>
<td>2 mm</td>
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<tr>
<td>2.5 mm</td>
<td>1.5 mm</td>
</tr>
<tr>
<td>PUSH</td>
<td>PUSH</td>
</tr>
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</table>

<table>
<thead>
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<th>3.5</th>
<th>4</th>
<th>4.5</th>
<th>5</th>
<th>5.5</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLC-9A / SMC-9A</td>
<td>91</td>
<td>102</td>
<td>113</td>
<td>127</td>
<td>142</td>
<td>163</td>
<td>184</td>
<td>205</td>
<td>231</td>
</tr>
<tr>
<td>BMC-9A / BLC-9A</td>
<td>L</td>
<td>15</td>
<td>18</td>
<td>20</td>
<td>23</td>
<td>29</td>
<td>32</td>
<td>38</td>
<td>44</td>
</tr>
</tbody>
</table>
Accessories
Power Retracting Tape Measure

- Chrome plated casing.
- Length available: 3M, 5M, 7.5M, 10M
- Heat treated steel tape ensures durability and satisfaction during usage.
- When retracting, used side breaking button to reduce recoil speed.
- Coated steel hook protects and reinforceds tape blade.
- Metallic belt clip for your convenience.
- Equipped with holding strap.
- Equipped with 2-stop mechanism.

Spring loaded for fast, excellent retraction.
With side breaking button to control recoil speed.

Packaging
Bits & Sockets
Iron Work Applications, Made of Alloy Steel

- Phillips
- Square (Roberson)
- Torx
- Pozidriv
- 1/4" Hex Shank, Double-ended Bit
- Nut Setters
  - Magnetic
  - Non-Magnetic

Packaging
# Drill Bits

## HSS Drill Bit

<table>
<thead>
<tr>
<th>Size</th>
<th>Dia (mm)</th>
<th>TL (mm)</th>
<th>WL (mm)</th>
<th>PCS/BOX</th>
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<tbody>
<tr>
<td>2</td>
<td>49</td>
<td>24</td>
<td></td>
<td>10</td>
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<tr>
<td>3</td>
<td>61</td>
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<tr>
<td>4</td>
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<td>5</td>
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<tr>
<td>9</td>
<td>125</td>
<td>81</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>10</td>
<td>133</td>
<td>87</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>12</td>
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<tr>
<td>13</td>
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<td>101</td>
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## MASONRY

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<th>WL (mm)</th>
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<td>45</td>
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<tr>
<td>5</td>
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</tr>
<tr>
<td>10</td>
<td>120</td>
<td>80</td>
<td></td>
<td>30</td>
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## SDS Plus

<table>
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<th>PCS/BOX</th>
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<tbody>
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<td>110</td>
<td>50</td>
<td></td>
<td>30</td>
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<tr>
<td></td>
<td>160</td>
<td>100</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td>6</td>
<td>110</td>
<td>50</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>160</td>
<td>100</td>
<td></td>
<td>30</td>
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<tr>
<td>8</td>
<td>110</td>
<td>50</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>160</td>
<td>100</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td>10</td>
<td>110</td>
<td>50</td>
<td></td>
<td>30</td>
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<tr>
<td></td>
<td>160</td>
<td>100</td>
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<tr>
<td>12</td>
<td>110</td>
<td>50</td>
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<td>30</td>
</tr>
<tr>
<td></td>
<td>160</td>
<td>100</td>
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<td>30</td>
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<td>14</td>
<td>110</td>
<td>50</td>
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<td></td>
<td>160</td>
<td>100</td>
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<td>16</td>
<td>110</td>
<td>50</td>
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<td>160</td>
<td>100</td>
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<td>160</td>
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<tr>
<td>25</td>
<td>410</td>
<td>350</td>
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</table>
Cutting Wheel

Cutting wheel is composed of abrasive grain, and bonded together by phenolic resin and other filler. Reinforced glass fiber is added to strengthen the wheel structure. Cutting wheel must be used in right angle cutting.

Application:
Angle iron cutting, Iron bar cutting, Work piece disassembly.

Grinding Wheel

Grinding wheel is composed of abrasive grain, and bonded together by phenolic resin and filler. Reinforced glass fiber is added to strengthen the wheel structure. The depressed center design reinforces the overall structure to ensure the user’s safety during grinding operation.

Application:
Grinding, Chamfering, Debarring, Welding cleaning.
### Cutting Wheels
**metal cutting - flat center**

<table>
<thead>
<tr>
<th>Size - inch (mm)</th>
<th>Metal</th>
<th>Inox</th>
<th>Aluminum</th>
<th>Cast Iron</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; (105)</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4&quot; (105)</td>
<td></td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5&quot; (115)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7&quot; (180)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9&quot; (230)</td>
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<td>12&quot; (305)</td>
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<td></td>
</tr>
<tr>
<td>14&quot; (350)</td>
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<td>14&quot; (355)</td>
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<tr>
<td>16&quot; (400)</td>
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<tr>
<td>16&quot; (400)</td>
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</tbody>
</table>

### Cutting Wheels
**metal cutting - depressed center**

<table>
<thead>
<tr>
<th>Size - inch (mm)</th>
<th>Metal</th>
<th>Inox</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5&quot; (115)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5&quot; (115)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7&quot; (180)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7&quot; (180)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9&quot; (230)</td>
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<td></td>
</tr>
</tbody>
</table>

### Grinding Wheels
**metal grinding - type 27 depressed center**

<table>
<thead>
<tr>
<th>Size - inch (mm)</th>
<th>Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; (100)</td>
<td></td>
</tr>
<tr>
<td>4.5&quot; (115)</td>
<td></td>
</tr>
<tr>
<td>7&quot; (180)</td>
<td></td>
</tr>
<tr>
<td>9&quot; (230)</td>
<td></td>
</tr>
</tbody>
</table>
Level Ruler

Features
- Powerful magnetic surface for accurate hands-free leveling
- TPR covered handle with ergonomic design and more comfortable grip
- Anti-shock flexible rubber cover
- Sided precision milling [precision up to 0.5mm/m]
- Acrylic precision three-wire vial with magnet
- Patented design for flexible rubber cover of both ends to structure loose
- Clear bottom scale for easy measuring

300mm / 400mm / 500mm
600mm / 800mm / 1000mm
High Speed Steel Bi-Metal
Hacksaw Blades

18T / 24T / 32T

- Saw blade is light with multiple applications.
- High end bi-metal material with three TPI selections.
- An excellent cutting tool auxiliary for professional.

Features
- KWCT teeth geometry design increases cutting speed which is 33% faster than other competitors.
- Bi-Metal hacksaw blade is not easy to break which increase cutting durability and keep work safely.

Application
- Mold / Tooling business
- Door and window decorate.
- Metal processing
- Plumbing
Waterproof Abrasive Paper

Application
- Water resistant
- Paper Sanding Roll for hand sanding and for orbital sander
- Suited for the sanding of extremely hard materials such as stone, glass, perspex, marble, car paint or baked enamel
- Also suitable for wet grinding (without tools)

Grit
60 / 80 / 100 / 120 / 150 /
180 / 220 / 280 / 320
Cable Ties

Made in Taiwan

Features
- Material: UL approved Nylon 6/6
- Flammability: UL 94V-2
- Working Temp.: -40°C to 85°C
- Made to comply with MIL-SPEC M20693B, tensile strength meet or exceed MIL-S 23180E standard

Size (mm)
2.5 x 100 / 3.5 x 150 / 3.5 x 201 / 3.5 x 290
4.6 x 199 / 4.6 x 250 / 4.6 x 302 / 4.6 x 371
7.5 x 370
Concrete Nail

For use on concrete materials, high strength, anti-corrosion

Application
Decorating, Hard Wood, Brick Wall, Concrete Wall.

Angular Spiral Shank
Twilled Shank

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0</td>
<td>1&quot; 25 mm</td>
</tr>
<tr>
<td>3.2</td>
<td>1½&quot; 38 mm</td>
</tr>
<tr>
<td>3.6</td>
<td>2&quot; 50 mm</td>
</tr>
<tr>
<td>4.0</td>
<td>2½&quot; 65 mm</td>
</tr>
<tr>
<td>4.2</td>
<td>3&quot; 75 mm</td>
</tr>
<tr>
<td>4.5</td>
<td>4&quot; 100 mm</td>
</tr>
<tr>
<td>4.5</td>
<td>5&quot; 125 mm</td>
</tr>
<tr>
<td>4.5</td>
<td>6&quot; 150 mm</td>
</tr>
</tbody>
</table>

Smooth Shank

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>3/4&quot; 19 mm</td>
</tr>
<tr>
<td>2.0</td>
<td>1&quot; 25 mm</td>
</tr>
<tr>
<td>2.0</td>
<td>1½&quot; 32 mm</td>
</tr>
<tr>
<td>2.0</td>
<td>1½&quot; 38 mm</td>
</tr>
</tbody>
</table>
Weld Stud

Material

Brass
Aluminum
Stainless Steel

Application

- No drilling or tapping
- No cleanup
- Will not vibrate lose
- No weld fillet
Welding Series

Mild Steel
AWS E6013 SMAW

2.5(3/32"), 3.2(1/8"), 4.0(5/32") 350L
5kg/Box, 20kgs / Carton, 960kgs / Pallet

High Tensile
AWS E7018 SMAW

3.2(1/8"), 4.0(5/32") 350L
5kg/Box, 20kgs / Carton, 960kgs / Pallet

Stainless Steel
AWS E308L-16 SMAW

2.5(3/32") 300L
4kg/Box, 16kgs / Carton, 576kgs / Pallet

Flux Cored Wires
AWS A5.20 E71T-1C/1M FCAW

3.2(1/8") 350L
5kg/Box, 20kgs / Carton, 720kgs / Pallet

1.2, 1.4, 1.6
15kg/Box, 720Box/Pallet

ABS, Lloyd’s Register, ClassNK
Door & Windows
Door Closer
**PC0770**

**Features**
- Selectable position power size 2-4.
- Adjustable closing & latching speed.
- Standard arm mechanism.

**Application**
- Non-handed installation.

**Finishes**
- Painted-Silver, Brown, Black, White, Gray, Red-Brown

**Packaging**
- 1 pc / box
- 10 boxes / carton
- 15 cartons / pallet

**Made in Taiwan**
Floor Spring B300
No pre-set on the floor

-powered by-

Glass Door

Power Size

<table>
<thead>
<tr>
<th>ANSI EN5</th>
<th>Max. Door Width (mm)</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Max. Door Weight (kgs)</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Available glass thickness</td>
<td>8~13</td>
</tr>
</tbody>
</table>

New Floor Spring B300

- No pre-set on the floor
- Complex construction

Application

- Suitable for single & double action door
- Available for light & medium duty door
- Adjustable Closing & Latching Speed
- Two non-critical control valves provide dual speed hydraulic closing

Features

- Just to drill 4 holes
- Easy to apply
- Shorten the construction time

⏰ 15~30 mins
Floor Spring **B330**

No pre-set on the floor

---

**Power Size**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Door Width (mm)</td>
<td>1000</td>
</tr>
<tr>
<td>Max. Door Weight (kgs)</td>
<td>100</td>
</tr>
<tr>
<td>Minimum timber door thickness (mm)</td>
<td>40</td>
</tr>
</tbody>
</table>

According to EN115A testing regulation, the door weight over 60kg may not fully comply with the EN115A standard.

**Application**

Suitable for double action door
Available for light & medium duty door

---

**New Floor Spring B330**

- No pre-set on the floor
- Complex construction

**Features**

- Just to drill 4 holes
- Easy to apply
- Shorten the construction time
- 15~30 mins

Made in Taiwan
PATTAA
New Packaging
Certifications
Quality assurance is our promise to every customer

ISO 9001

ISO 9001

ISO 14001
CE Marking

TS 16949