We, IZUMI, are a manufacture of tools for the electric utility industry.

With our company policy “quality is life of the company”, we are committed to provide safe and high quality products that meet a wide range of customer’s demands.

PRODUCTS
- Cutters for electrical wiring
- Compression and crimping tools for wire connecting
- A full line of steel punches for sheet metal and angle bars.
- Pipe Benders
- High Pressure hydraulic pumps

ALL IZUMI TOOLS ARE BACKED BY ISO 9001.
Our factory has been certified by ISO 9001. ISO 9001 is Quality Management system which is the most stringent of universally accepted international quality standards.
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○ Enerprom-Mikuni, ZAO
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URL: http://www.mcwade.co.za

ASIA PACIFIC

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○ SPECIALISED FORCE PTY. LTD.
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○ Guangdong Superpower Electrical Equipment Co., Ltd.
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URL: http://www.gd-juji.com

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E-mail: dickchang86@gmail.com
URL: http://www.chungtie.com.tw

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○ CRIMP TECHNIQUES INC.
B-203, SAROJ, DHURI COMPLEX, OM NAGAR, AMBADI ROAD, VASAI ROAD, THANE DISTRICT. MAHARASHTRA, INDIA.
PIN CODE: 401202. INDIA
Tel.91-250-2349610 Fax.91-250-2335239
CELL: 09422074408 CUSTOMER SERVICE NO: 9320074408
E-mail: crimp@vsnl.com
URL: http://www.crimptechniques.com

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○ WMM PRECISION ENTERPRISE SDN. BHD.
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Tel.60-3-5633-4712 Fax.60-3-5633-7929
E-mail: wmm@tm.net.my
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NOTE: IZUMI reserves the right to change specification of products without notice.
World wide Multi-voltage Charger (100-240V)

BP-14LN Lithium-Ion battery provides more cycles per charge in comparison with our Ni-cad and Ni-metal battery

Well balanced design

New Slide in battery connection system
**MODEL No.**

**BP-14LN**

**BP-14LN High Capacity Battery**

**Designed for exclusive use on all LIC series tools**

**3.0 Ah Capacity**

**FEATURES**

The BP-14LN is developed for IZUMI LIC-Series.

Environmentally friendly: contains no hazardous substances.

Light weight: weighs only 65% compared with BP-70EI Ni-Cad battery.

No memory effect: it can be charged at anytime.

Low self discharge rate: Longer shelf life because of low self discharge rate.

New slide in battery installation: gives more secure connection with the tool and quick and easy connection and removal.

BP-14LN life expectancy is more than 300% in comparison with Ni-Cad and Ni-metal battery, BP-70E, BP-70MH etc.

BP-70E: 600 recharges
BP-70MH: 600 recharges
BP-14LN: more than 1800 recharges.

**SPECIFICATIONS**

Output voltage: 14.4 VDC

Capacity: 3.0 Ah

Type: Lithium Ion

Charge time:
- 25 min (80% capacity)
- 40 min (100% capacity)

**SIZE**

107 (L) x 63 (H) x 80 (W) mm

**WEIGHT**

570 g

**REMINDERS**

- The battery has a limited life. When capacity becomes about 1/2 of the original capacity, the battery should be replaced.

- If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.

- When the battery is used for the first time, the battery will need to be fully charged before use.

- Cycles per charge will vary depending on the type and size of the material being cut or compressed.
MODEL No.
CH-25LNW

Multi-voltage Battery Charger (100-240V)

SPECIFICATIONS
Input Voltage: 100-240V AC (50/60Hz)
145VA (100V) – 148VA (240V)

SIZE
230 (L) X 80 (H) X 145 (W) mm

WEIGHT
1.6 kg

CHARGE TIME FOR BP-14LN
25min. (80% capacity)
40min. (100% capacity)

FEATURES
Multi voltage and quick charger (100V-240V) for Lithium-Ion battery BP-14LN.
It takes only 40min to charge 100% capacity.
CH-25LNW is an EMC approved charger in accordance with related CE and EMC directive.

REMARKS
Stand by-Red blinking
80% completion-Green blinking
Completion-Orange blinking
Auxiliary charging-Green blinking
High or low temperature-Red lighting
Impossible to charge-Red blinking
Charges BP-14LN only
Cannot charge BP-70R, BP-70I, BP-70E, BP-70EI and BP-70MH

CH-25LNW with RP-14LN
**MODEL No.**

**LIC-558U**

Accepts Burndy W type dies and Kearney/Blackburn O type dies

---

**FEATURES**

The LIC-558U is a compression tool operated by eco-friendly Li-Ion battery. This tool accepts Bundy W type dies and Kearney/Blackburn O type dies.

Electronic circuit board with LED indicates compression status and battery capacity. The LIC-558U has electronic memory function to record repair history by connecting optional “ROBO-RW” analyzer.

It squeezes commonly used service entrance connectors, lugs, sleeves, H and C taps. It can be easily carried and used in limited access areas because of its swivel head and compact design.

Attached quick release pins make changing between compression head and cutting head a one minute job, with no pins or springs to lose! This revolutionary design eliminates the need for multiple tools at one job site.

The 25CAT cutter attachment can slice nonferrous cables up to 25mm.

---

**SPECIFICATIONS**

- Ram stroke: 13 mm
- Motor: 14.4 VDC
- Reservoir capacity: 100 cc
- Force at die face: 54 kN
- BP-14LN Battery use only.

**SIZE**

332 (L) x 295 (H) x 84 (W) mm

**WEIGHT**

3.4 kg (less battery)

**ACCESSORIES**

Double molded carrying case, Shoulder Strap, Battery and charger

**REMARKS**

Dies are sold separately. Specify the manufacturer’s die and connector numbers. Specify charger input voltage.

- Battery operated compression tool
- Detachable latch type H framed tool head
- 25CAT cutter attachment as an optional accessory
- LED lights when battery capacity becomes low
- Light weight and slim design
- Pistol type, well balanced design
- Right or Left handed operation
- Accepts both Burndy and Kearney type dies (W and O type dies)
- D3 Saddle dies
- 180 degree swivel head
- Optional DC charger
- Quality backed by ISO9001
Accepts Beku type dies widely used in European countries
Applicable range: up to 150mm² Cu connectors
(Approx. 20mm across vertex of hexagon)

**SPECIFICATIONS**
- Ram stroke: 15 mm
- Motor: 14.4 VDC
- Reservoir capacity: 100 cc
- Force at die face: 52 kN
- BP-14LN Battery use only.

**SIZE**
- 322 (L) × 294 (H) × 84 (W) mm

**WEIGHT**
- 3.2 kg (less battery)

**ACCESSORIES**
- Shoulder strap,
- Double molded carrying case,
- Battery and charger

**FEATURES**
The LIC-551F is an environment friendly Li-ion battery operated compression tool accepts BEKU type dies widely used in European countries, applying compression fitting to copper aluminum and ACSR conductors widely used in the industry.

Light weight and slim design is ideal for close quarter application such as connection in the switch box. Also easy latch type closed head provides easy insertion and removal of connectors.

Electronic circuit board with LED indicates compression status and battery capacity.

The LIC-551F has electronic memory function to read repair history by connecting optional "ROBO-RW" analyzer.

**REMARKS**
- Dies are sold separately.
- Specify the manufacturer's die and connector numbers.
- Specify charger input voltage.
- Battery operated compression tool
- Latch type H framed tool head
- Light weight and slim design
- Pistol type, well balanced design
- 14.4VDC powerful motor
- Right or left handed operation
- Accepts Beku type dies
- 180 degree swivel head
- Optional DC charger
- Quality backed by ISO 9001
Accepts existing **12 ton** U-type dies

**SPECIFICATIONS**
- Ram stroke: 31 mm
- Motor: 14.4 VDC
- Reservoir capacity: 135 cc
- Force at die face: 106 kN
- BP-14LN Battery use only.

**SIZE**
- 392 (L) x 315 (H) x 84 (W) mm

**WEIGHT**
- 6.1 kg (less battery)

**ACCESSORIES**
- Shoulder strap, Double molded carrying case, Battery and charger

**FEATURES**
The LIC-5431 is a 12 ton class compression tool operated by eco-friendly Li-Ion battery. This tool accommodates 12 ton U-type dies for applying compression fittings to copper, aluminum and ACSR conductors widely used in the industry.

Pistol type 12 ton tool makes it easier for working in tight space or in the control box.

The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.

The LIC-5431 has electronic memory function to record repair history by connecting optional "ROBO-RW" analyzer.

**REMARKS**
- Dies are sold separately.
- Specify the manufacturer’s die and connector numbers.
- Specify charger input voltage.
  - Battery operated pistol type compression tool
  - Rapid ram advance mechanism
  - Well balanced design
  - 31 mm Jaw opening C head
  - 14.4VDC powerful motor
  - Right or Left handed operation
  - Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
  - Optional DC charger
  - Quality backed by ISO9001
MODEL No. LIC-5510

Accepts existing 12 ton U-type dies

**FEATURES**

The LIC-5510 is an environment friendly Li-Ion battery operated 12 ton class compression tool to accommodate 12 ton U-type dies for applying compression fittings to copper, aluminum and ACSR conductors, widely used in the industry.

Pistol type 12 ton tool made it easier for working in tight space or in the control box.

The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.

The LIC-5xxx series tool has electronic memory function to record repair history by connecting optional “ROBO-RW” analyzer.

**SPECIFICATIONS**

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<tbody>
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<td>Ram stroke</td>
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<tr>
<td>Motor</td>
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</tr>
<tr>
<td>Reservoir capacity</td>
<td>135cc</td>
</tr>
<tr>
<td>Force at die face</td>
<td>106 kN</td>
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<tr>
<td>BP-14LN Battery use only</td>
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**SIZE**

419 (L) x 320 (H) x 84 (W) mm

**WEIGHT**

7.1 kg (less battery)

**ACCESSORIES**

Shoulder Strap
Double molded carrying case, Battery and charger

**REMARKS**

Dies are sold separately.
Specify Charger input voltage.

- Battery operated pistol type compression tool
- Rapid ram advance mechanism
- Well balanced design
- 42mm Jaw opening C head
- 14.4VDC powerful motor
- Right or Left handed operation
- Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
- 350 degree swivel head
- Optional DC charger
- Quality backed by ISO9001
LITHIUM ION BATTERY OPERATED TOOLS

MODEL No.
LIC-5630

Up to 32mm outer diameter connector

SPECIFICATIONS
- Ram stroke: 29 mm
- Opening between nibs: 32 mm
- Reservoir capacity: 100 cc
- Output force: 60 kN
- BP-14LN Battery use only.

SIZE
- 368 (L) x 272 (H) x 71 (W) mm

WEIGHT
- 4.7 kg (less battery)

ACCESSORIES
- Shoulder strap,
- Double molded carrying case,
- Battery and charger

FEATURES
The LIC-5630 is an environment friendly Li-Ion battery operated hand held dieless crimping tool used to compress Anderson type connectors up to 500KCM.

Three movable nibs push connectors against the top fixed nib. As a result, four indentations are made into the connector.

This tool is designed to install Anderson type connectors. Consult your connector manufacturer for dieless applications.

REMARKS
- Specify charger input voltage.
- * Battery operated dieless crimping tool
- * Rapid ram advance mechanism
- * Light weight aluminum forged head
- * LED lights when battery capacity becomes low
- * Light weight and slim design
- * Pistol type housing
- * 14.4VDC powerful motor
- * Right or Left handed operation
- * 360 degree swivel head
- * Optional DC charger

LIC-5630 shown with BP-14LN
The new powerful magnetic motor with high torque offers superior performance to the REC-50.

The LIC-50 was specifically designed for cutting the toughest copper and aluminum cables in a limited amount of space. Cuts are clean with minimal cable distortion and comfortably fits into a gloved hand. Repetitive ratcheting movement is entirely eliminated. Just a squeeze of the rocker arm trigger is all it takes to cut.

This powerful gear reduction motor pulls a movable blade through tough copper cable.

It is equipped with an electronic circuit for overloading protection.

**SPECIFICATIONS**

- Drive unit: 14.4V DC Motor
- Maximum cutting diameter:
  - Nonferrous 50 mm
  - BP-14LN Battery use only.

**SIZE**

- 84 (L) x 365 (H) x 130 (W) mm

**WEIGHT**

- 2.1 kg (less battery)

**ACCESSORIES**

- Steel carrying case, Battery and charger

**FEATURES**

- Cutting capacity: # of cuts

<table>
<thead>
<tr>
<th>Material</th>
<th>BP-14LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene cable</td>
<td>180</td>
</tr>
<tr>
<td>600V-CV325 mm² (31 mm OD)</td>
<td>180</td>
</tr>
<tr>
<td>600V-CV150 mm² x 3 (46 mm OD)</td>
<td>110</td>
</tr>
<tr>
<td>600V-CV500 mm² (38 mm OD)</td>
<td>110</td>
</tr>
<tr>
<td>6KV-CV1500 mm² (45 mm OD)</td>
<td>90</td>
</tr>
<tr>
<td>Multi-core vinyl insulation cable</td>
<td>80</td>
</tr>
<tr>
<td>VVR150 mm² (47 mm OD) 3 core</td>
<td>80</td>
</tr>
<tr>
<td>Soft copper cable</td>
<td>140</td>
</tr>
<tr>
<td>IV500 mm² (35 mm OD)</td>
<td>140</td>
</tr>
<tr>
<td>Hard copper cable</td>
<td>270</td>
</tr>
<tr>
<td>150 mm² (21 mm OD)</td>
<td>270</td>
</tr>
</tbody>
</table>
MODEL No.  
LIC-S524

Cuts steel materials as well as cables

SPECIFICATIONS
Ram stroke: 24 mm  
Motor: 14.4 VDC  
Reservoir capacity: 100 cc  
Output force: 84 kN

BP-14LN Battery use only.

SIZE
315 (L) x 304 (H) x 84 (W) mm

WEIGHT
4.4 kg (less battery)

ACCESSORIES
Shoulder strap, Double molded carrying case, Battery and charger.

FEATURES
The LIC-S524 is a cable cutter operated by eco-friendly Li-Ion battery to cut the toughest steel used in construction today.

With the pull of the trigger, you can cut ACSR cables up to 24mm, and guy wires to 20mm.

The specially designed flip-top latch and rotating head provide exceptional ease of use and maneuverability in tight working quarters.

The LIC-S524 has an overload bypass which will kick out when tool reaches 84 kN of output.

REMARKS
Specify charger input voltage.
Cutting capacity: # of cuts

<table>
<thead>
<tr>
<th>Material</th>
<th>BP-14LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope 6x7</td>
<td>18mm</td>
</tr>
<tr>
<td>Wire rope 6x12</td>
<td>24mm</td>
</tr>
<tr>
<td>Wire rope 6x19</td>
<td>24mm</td>
</tr>
<tr>
<td>Soft steel bar</td>
<td>20mm</td>
</tr>
<tr>
<td>Re-bar</td>
<td>16mm</td>
</tr>
<tr>
<td>Cu strands</td>
<td>24mm</td>
</tr>
<tr>
<td>Al strands</td>
<td>24mm</td>
</tr>
<tr>
<td>ACSR</td>
<td>24mm</td>
</tr>
<tr>
<td>Guy wire 1x7</td>
<td>20mm</td>
</tr>
<tr>
<td>Guy wire 1x19</td>
<td>20mm</td>
</tr>
<tr>
<td>CCP cable</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Cuts steel materials as well as cables.

**SPECIFICATIONS**
- Ram stroke: 40 mm
- Motor: 14.4 VDC
- Reservoir capacity: 135cc
- Output force: 68 kN

BP-14LN Battery use only.

**SIZE**
441 (L) x 325 (H) x 85 (W) mm

**WEIGHT**
6.1 kg (less battery)

**ACCESSORIES**
Shoulder strap, Double molded carrying case, Battery and charger

**FEATURES**
The LIC-S540 is a cable cutter operated by eco-friendly Li-Ion battery to cut the ACSR cables used in transmission line construction work. It is now equipped with rapid ram advance mechanism for faster operation.

With the pull of the trigger, you can cut ACSR cables up to 38mm, guy wires to 20mm, and wire ropes to 22mm.

The rotating head provides exceptional ease of use and maneuverability in tight working quarters.

The lock pin type head allows the cutter head to open widely for easy insertion of cutting material.

The LIC-S540 has an overload bypass which will kick out when tool reaches 68kN of output.

**REMARKS**
Specify charger input voltage.

**Cutting capacity : # of cuts**

<table>
<thead>
<tr>
<th>Material</th>
<th>BP-14LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope 6 x 7</td>
<td>22mm</td>
</tr>
<tr>
<td>6 x 12</td>
<td>22mm</td>
</tr>
<tr>
<td>6 x 19</td>
<td>22mm</td>
</tr>
<tr>
<td>Soft steel bar</td>
<td>20mm</td>
</tr>
<tr>
<td>Re-bar</td>
<td>16mm</td>
</tr>
<tr>
<td>Cu strands</td>
<td>40mm</td>
</tr>
<tr>
<td>Al strands</td>
<td>40mm</td>
</tr>
<tr>
<td>ACSR</td>
<td>38mm</td>
</tr>
<tr>
<td>Guy wire 1 x 7</td>
<td>15mm</td>
</tr>
<tr>
<td>1 x 19</td>
<td>20mm</td>
</tr>
<tr>
<td>CCP cable</td>
<td>N/A</td>
</tr>
</tbody>
</table>
MODEL No. LIC-585YC

Cuts CCP cables up to 85 mm
CU and AL strands up to 60 mm

SPECIFICATIONS
- Ram stroke: 44 mm
- Motor: 14.4 VDC
- Reservoir capacity: 135 cc
- Output force: 80 kN
- BP-14LN Battery use only.

SIZE
- 517 (L) x 325 (H) x 86 (W) mm

WEIGHT
- 6.4 kg (less battery)

ACCESSORIES
- Shoulder strap, Grip, Steel carrying case, Battery and charger

FEATURES
- The LIC-585YC is a scissors type cable cutter operated by Li-Ion battery to cut various cables used in the industry today. It is equipped with rapid ram advance mechanism for faster operation.

- With a pull of the trigger, you can cut Cu and Al cables up to 60mm and CCP cables up to 85mm.

- The scissors type cutter head provides exceptional ease of use and maneuverability when making many cuts.

- The LIC-585YC has an overload bypass which will kick out when the tool reaches 80kN of output.

REMARKS
- Specify charger input voltage.
- Cutting capacity: # of cuts

<table>
<thead>
<tr>
<th>Material</th>
<th>BP-14LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene cable</td>
<td></td>
</tr>
<tr>
<td>600V-CV325mm²</td>
<td></td>
</tr>
<tr>
<td>(60mm OD) 3 core</td>
<td>22</td>
</tr>
<tr>
<td>600V-CV150mm²</td>
<td></td>
</tr>
<tr>
<td>(46mm OD) 3 core</td>
<td>60</td>
</tr>
<tr>
<td>600V-CV500mm²</td>
<td></td>
</tr>
<tr>
<td>(38mm OD)</td>
<td>45</td>
</tr>
<tr>
<td>Multi-core vinyl insulation cable</td>
<td></td>
</tr>
<tr>
<td>VVR150mm²</td>
<td></td>
</tr>
<tr>
<td>(47mm OD) 3 core</td>
<td>60</td>
</tr>
<tr>
<td>CCP Cable (85mm OD)</td>
<td></td>
</tr>
<tr>
<td>Lead sheathed cable (85mm OD)</td>
<td></td>
</tr>
<tr>
<td>BP-14LN Battery use only</td>
<td></td>
</tr>
</tbody>
</table>
LIC-5200MX is a multipurpose tool operated by eco-friendly Li-Ion battery. This tool is suitable for various types of crimping, cutting, punching and etc.

Available attachments are 8 kinds and the LIC-5200MX comes standard with rotary type crimping head, 200 mm² Yoke-nest and indentors suitable for up to 200 mm² crimping terminals.

Attachments are mounted on the tool head by inserting two lock pins located at the cylinder head for easy changeover.

The control buttons are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.

**SPECIFICATIONS**
- **Ram stroke**: 17 mm
- **Motor**: 14.4 VDC
- **Reservoir capacity**: 100 cc
- **Force at die face**: 127 kN
- **BP-14LN Battery use only.**

**SIZE**
- **356 (L) x 306 (H) x 84 (W) mm**

**WEIGHT**
- **5.1 kg (less battery)**

**ACCESSORIES**
- Shoulder strap,
- Plastic carrying case,
- Indenting dies,
- Nest : Nest wheel & 200 die
- Indentor : 14, 22, 38-70, 80-150, 200 (5) pieces
- Battery and Charger

**FEATURES**

**REMARKS**
Specify charger input voltage.

Following attachments are available separately

- **200AT-13WT**: Threaded bar cutting attachment
- **200AT-S16**: Rebar cutting attachment
- **200AT-50YC**: Cable cutting attachment
- **200AT-16B**: T connector compression dies
- **200AF-HEX**: Hexagonal compression Dies
- **200AT-9PD**: Knock out punching attachment
- **200AT-AP18**: Angle beam punching attachment
- **(200AT-DCM)**: Raceway cutting attachment
  - **(200AT-DCM)**: Raceway cutting attachment
  - **+200AD-DCM**
MODEL No. 200AT-50YC  Cable Cutter
Cutting capacity: up to 50mm cable (including insulation)

<table>
<thead>
<tr>
<th></th>
<th># of cuts/charge (BP-14LN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cu 3 × 150mm² (46mmOD)</td>
<td>40</td>
</tr>
<tr>
<td>Cu 500mm² (45mmOD)</td>
<td>34</td>
</tr>
</tbody>
</table>

REMARKS
Cuts nonferrous cables only.

MODEL No. 200AT-S16  Re-bar Cutter
Cutting capacity:  

<table>
<thead>
<tr>
<th></th>
<th># of cuts/charge (BP-14LN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16mm rebar</td>
<td>120</td>
</tr>
<tr>
<td>16mm soft steel bar</td>
<td>120</td>
</tr>
<tr>
<td>13mm stainless steel bar</td>
<td>105</td>
</tr>
</tbody>
</table>

MODEL No. 200AT-13WT  Threaded bar Cutter
Cutting capacity:  

<table>
<thead>
<tr>
<th></th>
<th># of cuts/charge (BP-14LN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>W3/8&quot;Soft steel (ss)</td>
<td>105</td>
</tr>
<tr>
<td>Stainless</td>
<td>52</td>
</tr>
<tr>
<td>W1/2&quot;Soft steel (ss)</td>
<td>82</td>
</tr>
<tr>
<td>stainless</td>
<td>42</td>
</tr>
</tbody>
</table>

※ Comes with W3/8" Die Only. W1/2" Die sold separately.
### MODEL No. 200AT-DCM (150AT-DCM+200AD-DCM) \*Raceway Cutter

- **Applicable raceway**: D-1, S-D1, P-1, D-2
- **Size**: 176 (H) x 200 (W) x 108 (D) mm
- **Weight**: 4.5 kg
- **# of cutting/charge**: 165/BP-70MH
- **Cutting speed**: 3 sec.

### MODEL No. 200AT-9PD \*Knock out Puncher

- **Punching capacity**: up to B104 (115.5mm) diameter hole on 3.2mm thickness mild steel
- **34/charge (BP-14LN)**

### REMARKS

- Punch & die, Set bolts, Collars are the same as those used for SH-10.
- 200AT-9PD comes with Set bolts and Collars.
- Punch and die are sold separately. (See SH-10 page)

### MODEL No. 200AT-AP18 \*Angle Steel Puncher

- **Punching capacity**: \( \phi \) 10.5, \( \phi \) 13.5, \( \phi \) 17.5 mm holes on 6mm thickness steel
- **Size**: 186 x 130 x 67 mm
- **Weight**: 3.8 kg
- **# of punching/charge**: 82 (BP-14LN)
### MODEL No. 200AT-Hex

**Hexagonal Compression Dies**

**Compression Dies & # of compression per charge**

<table>
<thead>
<tr>
<th>Size</th>
<th>Across vertex</th>
<th>Die width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cu8 ~ 14-12</td>
<td>12</td>
<td>18.4</td>
</tr>
<tr>
<td>Cu22 ~ 38-14</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Cu45 ~ 70-19</td>
<td>19</td>
<td>11</td>
</tr>
<tr>
<td>Cu75 ~ 100-23</td>
<td>23</td>
<td>9</td>
</tr>
<tr>
<td>Cu110 ~ 125-26</td>
<td>26</td>
<td>11</td>
</tr>
<tr>
<td>Cu150-29</td>
<td>29</td>
<td>10</td>
</tr>
<tr>
<td>Cu180 ~ 200-32</td>
<td>32</td>
<td>10</td>
</tr>
</tbody>
</table>

**REMARKS**

# of compression for Cu180 ~ 200-32 : 35 (BP-14LN)

---

### MODEL No. 200AT-16B

**Dies for C-connectors**

**Compression Dies & # of compression per charge. (BP-14LN)**

<table>
<thead>
<tr>
<th>Size</th>
<th>Size</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-11</td>
<td>T44</td>
<td>T122</td>
</tr>
<tr>
<td>T-16</td>
<td>T60</td>
<td>T154</td>
</tr>
<tr>
<td>T-20</td>
<td>T76</td>
<td>T190</td>
</tr>
<tr>
<td>T-26</td>
<td>T98</td>
<td>T240</td>
</tr>
</tbody>
</table>

**REMARKS**

Dies are the same as those of #16B tool.

# of compression for T-240 : 40 (BP-14LN)
**MODEL No.**

ECO-50

---

**Battery Operated Compression Tool**

---

**SPECIFICATIONS**

- Ram stroke : 15 mm
- Motor : 14.4 VDC
- Applicable Hex Compression : Max. 150mm² Cu Lugs
- Force at die face : 52 kN

---

**SIZE**

- 397 (L) x 79 (H) x 70 (W) mm

---

**WEIGHT**

- 2.3kg (less battery)
- 3.1kg (with battery)

---

**ACCESSORIES**

- Double molded carrying case, Battery and charger
  (See selection Battery & Compatibility Chart)

---

**FEATURES**

The ECO-50 is a stick type battery operated compression tool accepts BEKU type dies up to Cu150mm² of hexagonal compression.

This portable lightweight rechargeable compression tool is easier to access tight cable joints in narrow control panel.

The number of crimps per charge for 150mm² terminal : 67 crimps / BP-70MH.

---

**REMARKS**

- Dies are sold separately.
- * Fully automatic, self-contained
- * Battery Operated Compression Tool
- * In-line design for one hand operation
- * 14.4 VDC powerful motor
- * Right or Left handed operation
- * Accepts Beku type dies
- * Optional DC charger
- * Quality backed by ISO9001
MODEL No. **REC-551F**

Accepts Beku type dies widely used in European countries
Applicable range: up to 150mm² Cu connectors
(Approx. 20mm across vertex of hexagon)

**SPECIFICATIONS**
- Ram stroke: 15 mm
- Motor: 14.4 VDC
- Reservoir capacity: 100 cc
- Force at die face: 52 kN

**SIZE**
- 323 (L) x 253 (H) x 70 (W) mm

**WEIGHT**
- 3.2 kg (less battery)

**ACCESSORIES**
- Shoulder strap,
- Double molded carrying case,
- Battery and charger
(See selection Battery & Compatibility Chart)

**FEATURES**
- The REC-551F accepts BEKU type dies widely used in European countries.
- Light weight and slim design is ideal for close quarter application such as connection in the switch box. Also easy latch type closed head provides easy insertion and removal of connectors.
- Electronic circuit board with LED indicates compression status and battery capacity.
- The REC-551F has electronic memory function to read repair history by connecting optional "ROBO-RW" analyzer.
- The number of crimps per charge for 150mm² terminal: 67 crimps / BP-70MH

**REMARKS**
- Dies are sold separately.
- Specify the manufacturer's die and connector numbers.
- Specify charger input voltage.
- * Battery operated compression tool
- * Latch type H framed tool head
- * Light weight and slim design
- * Pistol type, well balanced design
- * 14.4VDC powerful motor
- * Right or left handed operation
- * Accepts Beku type dies
- * 180 degree swivel head
- * Optional DC charger
- * Quality backed by ISO 9001
Accepts Burndy W type dies and Kearney/Blackburn O type dies

**SPECIFICATIONS**
- Ram stroke: 13 mm
- Motor: 14.4 VDC
- Reservoir capacity: 100 cc
- Force at die face: 54 kN

**SIZE**
- 333(L) x 253(H) x 59(W) mm

**WEIGHT**
- 3.4 kg (less battery)

**ACCESSORIES**
- Double molded carrying case,
- Shoulder Strap
- Battery and charger
  (See selection Battery & Compatibility Chart)

**FEATURES**
- Electronic circuit board with LED indicates compression status and battery capacity. The REC-558U has electronic memory function to record repair history by connecting optional “ROBO-RW” analyzer.
- It squeezes commonly used service entrance connectors, lugs, sleeves, H and C taps. It can be easily carried and used in limited access areas because of its swivel head and compact design.
- Attached quick release pins make changing between compression head and cutting head a one minute job, with no pins or springs to lose! This revolutionary design eliminates the need for multiple tools at one job site.
- The 25CAT cutter attachment can slice nonferrous cables up to 25mm.
- The number of crimps for maximum size conductor: 100 crimps/ BP-70MH

**REMARKS**
- Dies are sold separately.
- Specify the manufacturer’s die and connector numbers.
- Specify charger input voltage.
  - * Battery operated compression tool
  - * Detachable latch type H framed tool head
  - * 25CAT cutter attachment as an optional accessory
  - * LED lights when battery capacity becomes low
  - * Light weight and slim design
  - * Pistol type, well balanced design
  - * Right or Left handed operation
  - * Accepts both Burndy and Kearney type dies (W and O type dies)
  - * D3 Saddle dies
  - * 180 degree swivel head
  - * Optional DC charger
  - * Quality backed by ISO9001
MODEL No.

**REC-5431**

Accepts existing **12 ton** U-type dies

---

**SPECIFICATIONS**

- **Ram stroke**: 31 mm
- **Motor**: 14.4 VDC
- **Reservoir capacity**: 135 cc
- **Force at die face**: 106 kN

**SIZE**

- 392 (L) x 343 (H) x 70 (W) mm

**WEIGHT**

- 5.9 kg (less battery)

**ACCESSORIES**

- Shoulder strap,
- Double molded carrying case,
- Battery and charger
(See selection Battery & Compatibility Chart)

**FEATURES**

The REC-5431 is a battery operated 12 ton class compression tool to accommodate 12 ton U-type dies for applying compression fittings to copper aluminum and ACSR conductors widely used in the industry.

- **Pistol type 12 ton tool** makes it easier for working in tight space or in the control box.

- The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

- **Electronic circuit board with LED** indicates compression status and battery capacity.

- The REC-5431 has **electronic memory function** to record repair history by connecting optional "ROBO-RW" analyzer.

- The number of crimps per charge for maximum size conductor: **60 crimps / BP-70MH**

---

**REMARKS**

- Dies are sold separately.
- Specify the manufacturer's die and connector numbers.
- Specify charger input voltage.

- * Battery operated pistol type compression tool
- * Rapid ram advance mechanism
- * Well balanced design
- * 31 mm Jaw opening C head
- * 14.4VDC powerful motor
- * Right or Left handed operation
- * Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
- * Optional DC charger
- * Quality backed by ISO9001
MODEL No.

REC-5510

Accepts existing **12 ton** U-type dies

**SPECIFICATIONS**

- Ram stroke : 42 mm
- Motor : 14.4 VDC
- Reservoir capacity : 135cc
- Force at die face : 106 kN

**SIZE**

421(L) x 286(H) x 78(W) mm

**WEIGHT**

7.1 kg (less battery)

**ACCESSORIES**

- Shoulder Strap
- Double molded carrying case, Battery and charger
  (See selection Battery & Compatibility Chart)

**FEATURES**

The REC-5510 is a battery operated 12 ton class compression tool to accommodate 12 ton U-type dies for applying compression fittings to copper, aluminum and ACSR conductors, widely used in the industry.

Pistol type 12 ton tool made it easier for working in tight space or in the control box.

The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.

The REC-5000 series tool has electronic memory function to record repair history by connecting optional "ROBO-RW" analyzer.

**REMARKS**

Dies are sold separately.
Specify Charger input voltage.

- Battery operated pistol type compression tool
- Rapid ram advance mechanism
- Well balanced design
- 42mm Jaw opening C head
- 14.4VDC powerful motor
- Right or Left handed operation
- Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
- 350 degree swivel head
- Optional DC charger
- Quality backed by ISO9001
MODEL No. REC-H5130

Accepts existing 12 ton U-type dies, dies for deep indent crimps

**FEATURES**

The REC-H5130 is a battery operated 12 ton class compression tool to accommodate 12 ton U-type dies and dies for deep indent crimps widely used in the industry.

This H head tool makes it easier to access to tight cable joints particularly in the control box.

The trigger switch and return button are activated by only one hand so that other hand is always free to hold working material.

The number of crimps per charge for maximum size conductor: 60 crimps / BP-70MH

This tool was designed to accommodate shell type dies for applying compression fittings to copper, aluminum and ACSR conductors.

**SPECIFICATIONS**

- Ram stroke: 30 mm
- Motor: 14.4 VDC
- Reservoir capacity: 135 cc
- Force at die face: 120 kN

**SIZE**

402 (L) x 256 (H) x 78 (W) mm

**WEIGHT**

5.6 kg (less battery)

**ACCESSORIES**

Shoulder strap,
Double molded carrying case,
Battery and charger
(See selection Battery & Compatibility Chart)

**REMARKS**

Dies are sold separately.
Specify the manufacturer’s die and connector numbers.
Specify charger input voltage.

* Battery operated pistol type compression tool
* Rapid ram advance mechanism
* Well balanced design
* 25 mm Jaw opening H head
* 14.4VDC powerful motor
* Right or Left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton compressors, as well as dies for deep indent crimps.
* 350 degree swivel head
* Optional DC charger
* Quality backed by ISO9001
BATTERY OPERATED COMPRESSION TOOLS

MODEL No.

REC-3410

Accepts existing 12 ton U-type dies

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ram stroke</td>
<td>25 mm (Jaw opening)</td>
</tr>
<tr>
<td>Motor</td>
<td>14.4 VDC</td>
</tr>
<tr>
<td>Reservoir capacity</td>
<td>170 cc</td>
</tr>
<tr>
<td>Force at die face</td>
<td>106 kN</td>
</tr>
<tr>
<td>Size</td>
<td>395 (L) x 275 (H) x 90 (W) mm</td>
</tr>
<tr>
<td>Weight</td>
<td>7.5 kg (less battery)</td>
</tr>
<tr>
<td>Accessories</td>
<td>Shoulder strap, Carrying case, Battery and charger (See selection Battery &amp; Compability Chart)</td>
</tr>
</tbody>
</table>

FEATURES

The REC-3410 is the battery operated 12 ton tool to accommodate 12 ton U-type dies widely used in the industry.

Portability and handling are improved and it now features a larger handle opening with a rocker type advance/retract switch located on top of the handle for 1-finger operation. It also incorporates a built-in foot base with finger indents for easier handling when working overhead or under-ground.

The rapid advance system reduces tool run time, giving you more crimp cycles per battery charge.

The number of crimps per charge for maximum conductor:

55 crimps / BP-70MH

This tool is designed to accommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductors.

REMARKS

Dies are sold separately. Specify the manufacturer's die and connector numbers. Specify charger input voltage.

- Battery operated compression tool
- 25 mm jaw opening C head
- LED lights when battery capacity becomes low
- Well balanced & compact design
- Larger handle opening with rocker-type switch
- Built-in foot base with finger indents
- New rapid advance system
- 14.4 VDC powerful motor
- Right or left handed operation
- Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
- 360 degree swivel head
- Optional DC charger
- Quality backed by ISO9001
MODEL No.
REC-3430

Accepts existing 12 ton U-type dies

**SPECIFICATIONS**
- Ram stroke: 30 mm (Jaw opening)
- Motor: 14.4 VDC
- Reservoir capacity: 170 cc
- Force at die face: 106 kN

**SIZE**
- 410 (L) x 275 (H) x 90 (W) mm

**WEIGHT**
- 7.8 kg (less battery)

**ACCESSORIES**
- Shoulder strap, Carrying case, Battery and charger
- (See selection Battery & Compability Chart)

**FEATURES**
- The REC-3430 is the battery operated 12 ton class compression tool to accommodate 12 ton U-type dies widely used in the industry.
- Portability and handling are improved and it now features a larger handle opening with a rocker type advance/retract switch located on top of the handle for 1-finger trigger operation. The handle opening and rocker type switch is large enough for gloved hands. It also incorporates a built-in foot base with finger indents for easier handling when holding the tool with both hands.
- The number of crimps per charge for maximum size conductor: 55 crimps / BP-70MH
- This tool is designed to accommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductors.

**REMARKS**
- Dies are sold separately.
- Specify the manufacturer's die and connector numbers.
- Specify charger input voltage.
- * Battery operated compression tool
- * 30 mm jaw opening C head
- * LED lights when battery capacity becomes low
- * Well balanced & compact design
- * Larger handle opening with rocker-type switch
- * Built-in foot base with finger indents
- * New rapid advance system
- * 14.4 VDC powerful motor
- * Right or left handed operation
- * Accepts all dies used for Alcoa, Bumdy, T&B, Klauke, Cembre and Blackburn 12 ton U-type dies
- * 350 degree swivel head
- * Optional DC charger
- * Quality backed by ISO9001
The REC-3510 is the third generation of this model ROBO tool and has the largest jaw opening of all of our battery operated 12 ton compression tools.

The opening is 42 mm which will accept mid-span copper and aluminum sleeves and cables up to 750 KCM. This tool accepts all "U" type dies available on the market.

Portability and handling are made easier because the REC-3510 system is self-contained and compact. It features a larger handle opening with a rocker-type advance/retract switch located on top of the handle for 1-finger trigger operation.

The number of crimps per charge for maximum size conductor: 55 crimps / BP-70MH

This tool is designed to accommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductors.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ram stroke</td>
<td>42 mm (Jaw opening)</td>
</tr>
<tr>
<td>Motor</td>
<td>14.4 VDC</td>
</tr>
<tr>
<td>Reservoir capacity</td>
<td>170 cc</td>
</tr>
<tr>
<td>Force at die face</td>
<td>106 kN</td>
</tr>
</tbody>
</table>

SIZE

440 (L) x 275 (H) x 90 (W) mm

WEIGHT

8.5 kg (less battery)

ACCESSORIES

Shoulder strap, Carrying case, Battery and Charger
(See selection Battery & Compatibility Chart)

FEATURES

Dies are sold separately. Specify charger input voltage.

* Battery operated compression tool
* 42 mm jaw opening C head
* LED lights when battery capacity becomes low
* Well balanced & compact design
* Larger handle opening with rocker-type switch
* Built-in foot base with finger indents
* New rapid advance system
* 14.4 VDC powerful motor
* Right or left handed operation
* Accepts all dies used for Alcoa, Burndy, T&B, Klaueke, Cembre and Blackburn 12 ton U-type dies
* 360 degree swivel head
* Optional DC charger
* Quality backed by ISO9001

REMARKS
**MODEL No.**

**REC-3610**

Accepts existing 15 ton P type dies as well as 12 ton U-type dies

---

**FEATURES**

The REC-3610 has the largest output and piston travel among all of our battery operated compression tools.

The piston travel is 54mm which accepts mid-span copper and aluminum sleeves and cables up to 1,500 KCM. This tool accepts all "U" type dies when used with an adapter.

Portability and handling are made easier because the REC-3610 system is self-contained and compact. It features a new, larger handle opening with a rocker type advance/retract switch located on top of the handle for one finger trigger operation.

The number of crimps per charge for maximum size conductor: 55 crimps / BP-70E

---

**SPECIFICATIONS**

- **Ram stroke**: 50mm
- **Motor**: 14.4 VDC
- **Reservoir capacity**: 170cc
- **Force at die face**: 134 kN

---

**SIZE**

480 (L) x 275 (H) x 90 (W) mm

---

**WEIGHT**

10.0 kg (less battery)

---

**ACCESSORIES**

Shoulder strap, Steel carrying case, Battery and Charger (See selection Battery & Compatibility Chart)

---

**FEATURES**

- Battery operated compression tool
- 50mm Jaw opening closed head
- LED lights when battery capacity becomes low
- Well balanced & compact design
- Larger handle opening with rocker-type switch
- Built-in foot base with finger indents
- New rapid advance system
- 14.4 VDC powerful motor
- Right or Left handed operation
- Accepts 15 ton Burndy P type dies
- Accepts 12 ton U-type dies when used with die adapter
- 180 degree swivel head
- Optional DC charger
- Quality backed by ISO9001

---

**REMINDERS**

Dies are sold separately. Specify charger input voltage.

---

**DIMENSIONS**

480 (L) x 275 (H) x 90 (W) mm

---

**WEIGHT**

10.0 kg (less battery)

---

**ACCESSORIES**

Shoulder strap, Steel carrying case, Battery and Charger (See selection Battery & Compatibility Chart)
MODEL No. 
**REC-5200MX**

Non-insulated terminals: 14, 22, 38, 60, 70, 80, 100, 150, 200 mm²

Angle beam fabricating attachments and many other attachments

---

**SPECIFICATIONS**

- Ram stroke: 17 mm
- Motor: 14.4 VDC
- Reservoir capacity: 100 cc
- Force at die face: 127 kN

**SIZE**

356 (L) x 326 (H) x 70 (W) mm

**WEIGHT**

5.1 kg (less battery)

---

**ACCESSORIES**

- Shoulder strap
- Plastic carrying case
- Indenting dies
- Nest: Nest wheel & 200 die
- Indentor: 14, 22, 38-70, 80-150, 200 (5) pieces
- Battery and Charger
  (See selection Battery & Compatibility Chart)

---

**FEATURES**

The REC-5200MX is a multipurpose battery operated tool suitable for various types of crimping, cutting, punching and etc.

Available attachments are 8 kinds and the REC-5200MX comes standard with rotary type crimping head, 200 mm² Yoke-nest and indentors suitable for up to 200 mm² crimping terminals.

Attachments are mounted on the tool head by inserting two lock pins located at the cylinder head for easy changeover.

The control buttons are activated by only one hand so that other hand is always free to hold working material.

Electronic circuit board with LED indicates compression status and battery capacity.

---

**REMINDERS**

Specify charger input voltage.

Following attachments are available separately. See LIC-5200MX attachment page.

- 200AT-13WT: Threaded bar cutting attachment
- 200AT-S16: Rebar cutting attachment
- 200AT-50YC: Cable cutting attachment
- 200AT-16B: T connector compression dies
- 200AF-HEX: Hexagonal compression Dies
- 200AT-9PD: Knock out punching attachment
- 200AT-AP18: Angle beam punching attachment
- 200AT-DCM: Raceway cutting
**MODEL No.**

**REC-55PDF**

Punching capacity: 3.2 mm thick mild steel or 1.6 mm stainless steel with 104 mm (4") holes

**SPECIFICATIONS**

- Ram stroke: 22 mm
- Motor: 14.4 VDC
- Reservoir capacity: 100 cc
- Output force: 73 kN

**SIZE**

328 (L) x 254 (H) x 70 (W) mm

**WEIGHT**

3.8 kg (less battery)

**ACCESSORIES**

- Standard Accessories: Shoulder strap, Double molded carrying case, Setting threads (3/4 and 3/8), Punches are sold separately, Collar (L, M, S, SS)
- Battery and charger. (See selection Battery & Compatibility Chart)

※ Punch set is sold separately.

**FEATURES**

The REC-55PDF is a battery operated punch driver with swivel head for easy access to tight enclosed control panels. It gives clean perforation through 3.2mm thick mild steel or 1.6mm stainless steel with 104mm (4") holes.

This tool is ideal for working on control panels.

See SH-10(A)P and SH-10(B)P page 92 for punch sizes.

The number of perforations per charge for 3" hole on 3.2mm steel: 52 perforations / BP-70MH

**REMARKS**

Specify charger input voltage.

Ordering information:

- REC-55PDF standard accessories only
- REC-55PDF(A) above plus A19 to A51 punch set
- REC-55PDF(B) above plus B16 to B54 punch set

Detail information of punch is shown on page of SH-10 (Page 100)
Cuts steel materials as well as cables

**SPECIFICATIONS**
- Ram stroke: 24 mm
- Motor: 14.4 VDC
- Reservoir capacity: 100 cc
- Output force: 84 kN

**SIZE**
- 316 (L) x 263 (H) x 70 (W) mm

**WEIGHT**
- 4.4 kg (less battery)

**ACCESSORIES**
- Shoulder strap,
- Double molded carrying case,
- Battery and charger,
  (See selection Battery & Compatibility Chart)

**FEATURES**
- The REC-S524 was designed to cut the toughest steel used in construction today.

- With the pull of the trigger, you can cut ACSR cables up to 24mm, and guy wires to 20mm.

- The specially designed flip-top latch and rotating head provide exceptional ease of use and maneuverability in tight working quarters.

- The REC-S524 has an overload bypass which will kick out when tool reaches 84kN of output.

**REMARKS**
- Specify charger input voltage.
- Cutting capacity: # of cuts

<table>
<thead>
<tr>
<th>Material</th>
<th>BP-70MH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope 6x7</td>
<td>18mm 82</td>
</tr>
<tr>
<td>6x12</td>
<td>24mm 105</td>
</tr>
<tr>
<td>6x19</td>
<td>24mm 67</td>
</tr>
<tr>
<td>Soft steel bar</td>
<td>20mm 90</td>
</tr>
<tr>
<td>Re-bar</td>
<td>16mm 120</td>
</tr>
<tr>
<td>Cu strands</td>
<td>24mm 120</td>
</tr>
<tr>
<td>Al strands</td>
<td>24mm 150</td>
</tr>
<tr>
<td>ACSR</td>
<td>24mm 142</td>
</tr>
<tr>
<td>Guy wire 1x7</td>
<td>20mm 127</td>
</tr>
<tr>
<td>1x19</td>
<td>20mm 120</td>
</tr>
<tr>
<td>CCP cable</td>
<td>N/A</td>
</tr>
</tbody>
</table>
MODEL No.
REC-S540

Cuts steel materials as well as cables.

**SPECIFICATIONS**

- Ram stroke : 40 mm
- Motor : 14.4 VDC
- Reservoir capacity : 135cc
- Output force : 70 kN

**SIZE**

442 (L) x 351 (H) x 78 (W) mm

**WEIGHT**

6.1 kg (less battery)

**ACCESSORIES**

- Shoulder strap,
- Double molded carrying case,
- Battery and charger

(See selection Battery & Compatibility Chart)

**FEATURES**

The REC-S540 was designed to cut the ACSR cables used in transmission line construction work. It is now equipped with rapid ram advance mechanism for faster operation.

With the pull of the trigger, you can cut ACSR cables up to 38mm, guy wires to 20mm, and wire ropes to 22mm.

The rotating head provides exceptional ease of use and maneuverability in tight working quarters.

The lock pin type head allows the cutter head to open widely for easy insertion of cutting material.

The REC-S540 has an overload bypass which will kick out when tool reaches 68kN of output.

**SPECIFICATIONS**

- Cutting capacity : # of cuts

<table>
<thead>
<tr>
<th>Material</th>
<th>BP-70MH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope 6 x 7</td>
<td>22mm</td>
</tr>
<tr>
<td>6 x 12</td>
<td>22mm</td>
</tr>
<tr>
<td>6 x 19</td>
<td>22mm</td>
</tr>
<tr>
<td>Soft steel bar</td>
<td>20mm</td>
</tr>
<tr>
<td>Re-bar</td>
<td>16mm</td>
</tr>
<tr>
<td>Cu strands</td>
<td>40mm</td>
</tr>
<tr>
<td>Al strands</td>
<td>40mm</td>
</tr>
<tr>
<td>ACSR</td>
<td>38mm</td>
</tr>
<tr>
<td>Guy wire 1 x 7</td>
<td>15mm</td>
</tr>
<tr>
<td>1 x 19</td>
<td>20mm</td>
</tr>
<tr>
<td>CCP cable</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**REMARKS**

Specify charger input voltage.
**MODEL No.**

**REC-530Y**

Al strands : 28mm(240mm²)
Cu strands : 28mm(250mm²)
ACSR : 19mm(120mm²) (Single strand steel core)

**SPECIFICATIONS**

- Ram stroke : 21mm
- Motor : 14.4 VDC
- Reservoir capacity : 100cc
- Output force : 60 kN

**SIZE**

372(L) x 265(H) x 70(W) mm

**WEIGHT**

4.1kg (less battery)

**ACCESSORIES**

- Shoulder strap,
- Plastic carrying case,
- Battery and charger
  (See selection Battery & Compatibility Chart)

**FEATURES**

The REC-530Y is a scissors type cutter used to cut ACSR cables up to 556KCM, as well as copper cables to 750KCM and aluminum cables up to 30mm outer diameter.

All cuts are clean with a minimal amount of cable distortion, which allows for easy connector installation on cables.

The head can be rotated 180 degrees for greater maneuverability in working quarters.

The keeper plate prevents jaws from spreading apart when cutting ACSR.

The number of cuts per charge for 19mm ACSR (336 KCM) :
230 cuts/BP-70MH

**REMARKS**

Specify charger input voltage.

- Battery operated scissors type cutter
- LED lights when battery capacity becomes low
- Light weight and slim design
- Pistol type design
- 14.4VDC powerful motor
- Right or Left handed operation
- 180 degrees swivel head
- Optional DC charger
- Quality backed by ISO9001
MODEL No. REC-585YC

Cuts CCP cables up to 85 mm
CU and AL strands up to 60 mm

SPECIFICATIONS
- Blade opening: 85 mm
- Motor: 14.4 VDC
- Reservoir capacity: 135 cc
- Output force: 80 kN

SIZE
- 518(L) x 340(H) x 87(W) mm

WEIGHT
- 6.4 kg (less battery)

ACCESSORIES
- Shoulder strap, Grip,
- Steel carrying case,
- Battery and charger
(See selection Battery & Compatibility Chart)

FEATURES
The REC-585YC scissors type cutter was designed to cut various cables used in the industry today. It is equipped with rapid ram advance mechanism for faster operation.

With a pull of the trigger, you can cut Cu and Al cables up to 60 mm and CCP cables up to 85 mm.

The scissors type cutter head provides exceptional ease of use and maneuverability when making many cuts.

The REC-585YC has an overload bypass which will kick out when the tool reaches 80 kN of output.

REMARKS
Specify charger input voltage.
Cutting capacity: # of cuts

<table>
<thead>
<tr>
<th>Material</th>
<th>BP-70MH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene cable</td>
<td></td>
</tr>
<tr>
<td>600V-CV325 mm²</td>
<td></td>
</tr>
<tr>
<td>[60 mm OD] 3 core</td>
<td>22</td>
</tr>
<tr>
<td>600V-CV150 mm²</td>
<td></td>
</tr>
<tr>
<td>[46 mm OD] 3 core</td>
<td>60</td>
</tr>
<tr>
<td>600V-CV500 mm²</td>
<td></td>
</tr>
<tr>
<td>[38 mm OD]</td>
<td>45</td>
</tr>
<tr>
<td>Multi-core vinyl insulation cable</td>
<td></td>
</tr>
<tr>
<td>VVR150 mm²</td>
<td></td>
</tr>
<tr>
<td>[47 mm OD] 3 core</td>
<td>60</td>
</tr>
<tr>
<td>CCP Cable (85 mm OD)</td>
<td>45</td>
</tr>
<tr>
<td>Lead sheathed cable (85 mm OD)</td>
<td>45</td>
</tr>
</tbody>
</table>
MODEL No. REC-S3550

Cuts steel materials as well as cables up to 54mm

SPECIFICATIONS
- Ram stroke: 56 mm
- Motor: 14.4 VDC
- Reservoir capacity: 280 cc
- Output force: 120 kN

SIZE
- 490 (L) x 275 (H) x 90 (W) mm

WEIGHT
- 9.6 kg (less battery)

ACCESSORIES
- Shoulder strap,
- Steel carrying case,
- Battery and charger
  (See selection Battery & Compatibility Chart)

FEATURES
- The REC-S3550 is designed to cut the toughest steel used in construction today
- Portability and handling are made easier because the REC-S3550 is self-contained and compact. It features a new, larger handle opening with a rocker-type advance/retract switch located on top of the handle for 1-finger operation
- Guillotine type cutting for less jamming than shear type cutting
- 180 degree rotating head allows for easy cutting positions
- Lock pin type cutter head

REMARKS
- Cutting of piano wire is prohibited.
- Cutting capacity
  - Wire rope 6x7: 25mm
  - Wire rope 6x12: 30mm
  - Wire rope 6x19: 30mm
  - Soft steel bar: 22mm
  - Reinforcing rod: 19mm
  - Cu strands: 54mm
  - Al strands: 54mm
  - ACSR: 54mm
  - Guy wire 1x7: 15mm
  - Guy wire 1x9: 20mm
  - CCP cable: N/A
- LED indicates when battery capacity becomes low
- Well balanced & compact design
- Built-in foot base with finger indents
- New rapid advance system
- Larger handle opening with finger rocker-type switch
- Right or left handed operation
- Optional DC charger
- Quality backed by ISO9001
MODEL No.

REC-50

Maximum cutting diameter : Nonferrous 50 mm

SPECIFICATIONS

Drive unit : 14.4V DC Motor

SIZE

105 (L) x 375 (H) x 115 (W) mm

WEIGHT

2.0 kg (less battery)

ACCESSORIES

Steel carrying case, Battery and charger
(See selection Battery & Compability Chart)

FEATURES

The REC-50 was specifically designed for cutting the toughest copper and aluminum cables in a limited amount of space. Cuts are clean with minimal cable distortion and comfortably fits into a gloved hand. Repetitive ratcheting movement is entirely eliminated. Just a squeeze of the rocker arm trigger is all it takes to cut your toughest copper cable.

It is a heavy duty cable cutter for nonferrous cables up to 50 mm O.D.. A powerful gear reduction motor pulls a movable blade through the toughest copper cable. It is equipped with a circuit breaker for overloading protection.

REMARKS

Cutting capacity : # of cuts

Material | BP-70MH
---|---
Polyethylene cable | 600V-CV325 mm² (31 mm OD) : 142
600V-CV500 mm² (38 mm OD) : 60
6KV-CVT500mm² (45 mm OD) : 45
Multi-core vinyl insulation cable | VVR150 mm² (47 mm OD) 3 core : 75
Soft copper cable | IV500 mm² (35 mm OD) : 75
Hard copper cable | 150 mm² (21 mm OD) : 240
Maximum cutting diameter: Nonferrous 54 mm and Steel supported 400 pair telecom cable

SPECIFICATIONS
- Drive unit: 14.4V DC Motor

SIZE
- 105 (L) x 410 (H) x 115 (W) mm

WEIGHT
- 2.5 kg (less battery)

ACCESSORIES
- Steel carrying case, Battery and charger (See selection Battery & Compability Chart)

FEATURES
- The REC-54 was designed to cut SS cable or overhead CCP cable with Steel strand Support.
- It cuts both nonferrous cables and steel strands. Like the REC-50, cuts are clean with minimal cable distortion.
- A circuit breaker for overloading protection prevents motor overheating when attempting to cut the material over its capacity.

REMARKS
- Cutting capacity: # of cuts

<table>
<thead>
<tr>
<th>Material</th>
<th>BP-70MH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene cable</td>
<td>600V-CV325 mm² (31 mm OD)</td>
</tr>
<tr>
<td>Multi-core vinyl insulation cable</td>
<td>VVR150 mm² (47 mm OD) 3 core</td>
</tr>
<tr>
<td>Hard aluminum cable</td>
<td>SB-ACSR120 mm² (18.6 mm OD)</td>
</tr>
<tr>
<td>Hard copper cable</td>
<td>HAL-OC400 mm² (31.9 mm OD)</td>
</tr>
<tr>
<td>SS cable</td>
<td>OE-OC150 mm² (21 mm OD)</td>
</tr>
<tr>
<td>0.4 mm 400 CCP-F-SS(CR) cable</td>
<td>SS cable</td>
</tr>
<tr>
<td>LCCP cable without support wire</td>
<td>54 mm outer diameter</td>
</tr>
</tbody>
</table>
**MODEL No.**  
**REC-54AC**

Maximum cutting diameter: Nonferrous 54 mm

**FEATURES**

The REC-54AC was specifically designed for cutting the toughest copper and aluminum cables in a limited amount of space. Cuts are clean with minimal cable distortion. Repetitive ratcheting movement is entirely eliminated. Just a squeeze of the rocker arm trigger is all it takes to cut your toughest copper cable.

It is a heavy duty cable cutter for nonferrous cables up to 54 mm O.D.. A powerful gear reduction motor pulls a movable blade through the toughest copper cable. It is equipped with a circuit breaker for overloading protection.

**SPECIFICATIONS**

- Drive unit: 14.4V DC Motor

**SIZE**

- 105 (L) x 410 (H) x 115 (W) mm

**WEIGHT**

- 2.5 kg (less battery)

**ACCESSORIES**

- Steel carrying case, Battery and charger
  (See selection Battery & Compatibility Chart)

**REMARKS**

- Cutting capacity: # of cuts

<table>
<thead>
<tr>
<th>Material</th>
<th>Material</th>
<th># of cuts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene cable</td>
<td>BP-70MH</td>
<td>142</td>
</tr>
<tr>
<td>600V-CV325 mm² (31 mm OD)</td>
<td></td>
<td>142</td>
</tr>
<tr>
<td>600V-CV150 mm² (46 mm OD) 3 core</td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>600V-CV500 mm² (38 mm OD)</td>
<td></td>
<td>60</td>
</tr>
<tr>
<td>6KV-CVT500 mm² (45 mm OD)</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Multi-core vinyl insulation cable</td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>VVR150 mm² (47 mm OD) 3 core</td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>Soft copper cable</td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>IV500 mm² (35 mm OD)</td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>Hard copper cable</td>
<td></td>
<td>225</td>
</tr>
<tr>
<td>150 mm² (21 mm OD)</td>
<td></td>
<td>225</td>
</tr>
</tbody>
</table>
MODEL No. REC-5630

Up to 32mm outer diameter connector

SPECIFICATIONS
- Ram stroke: 29 mm
- Opening between nibs: 32 mm
- Reservoir capacity: 100 cc
- Output force: 60 kN

SIZE
- 369(L) x 280(H) x 70(W) mm

WEIGHT
- 4.7kg (less battery)

ACCESSORIES
- Shoulder strap
- Double molded carrying case
- Battery and charger
  (See selection Battery & Compatibility Chart)

FEATURES
- The REC-5630 is a battery operated hand held dieless crimping tool used to compress Anderson type connectors up to 500KCM.
- Three movable nibs push connectors against the top fixed nib. As a result, four indentations are made into the connector.
- This tool is designed to install Anderson type connectors. Consult your connector manufacturer for dieless applications.
- The number of crimps per charge for 500KCM connector: 120 crimps / BP-70MH

REMARKS
- Specify charger input voltage.
- * Battery operated dieless crimping tool
- * Rapid ram advance mechanism
- * Light weight aluminum forged head
- * LED lights when battery capacity becomes low
- * Light weight and slim design
- * Pistol type housing
- * 14.4VDC powerful motor
- * Right or Left handed operation
- * 360 degree swivel head
- * Optional DC charger
MODEL No. REC-5750

Up to 750KCM Anderson type connector

FEATURES

The REC-5750 is a flip-top, battery operated, hand held dieless crimping tool used to compress Anderson type connectors up to 750KCM.

The flip top latch opens to allow for easy cable positioning and removal.

Three movable nibs push connectors against the top fixed nib. As a result, four indentations are made into the connector.

Since this tool is designed to install Anderson type connectors, it is highly recommended to consult with connector manufacturer for dieless applications.

The number of crimps per charge for 600KCM copper connector: 97 crimps / BP-70MH

SPECIFICATIONS

- Ram stroke: 31.5 mm
- Opening between nibs: 36 mm
- Reservoir capacity: 100 cc
- Output force: 60 kN

SIZE

- 383(L) x 340(H) x 75 (W) mm

WEIGHT

- 4.7 kg (less battery)

ACCESSORIES

- Shoulder strap
- Double molded carrying case
- Battery and charger (See selection Battery & Compatibility Chart)

REMARKS

- Specify charger input voltage.
- Battery operated dieless crimping tool
- Rapid ram advance mechanism
- Light weight aluminum forged head
- LED lights when battery capacity becomes low
- Light weight and slim design
- Pistol type housing
- 14.4VDC powerful motor
- Right or Left handed operation
- 360 degree swivel head
- Optional DC charger
MODEL No. REC-P2

68.5 Mpa battery operated hydraulic pump with remote control

**SPECIFICATIONS**

Motor: 28.8 VDC

Oil delivery:
- Low pressure: 1.8 liter / min
- High pressure: 0.4 liter / min

Reservoir volume: 1,000 cc (60 cubic inch)

Oil pressure: 68.5 Mpa or 10,000 PSI

**SIZE**

272 (L) x 304 (H) x 143 (W) mm

**WEIGHT**

14.0 kg (less battery)

**ACCESSORIES**

Remote control switch, 2 meter wire wound rubber hose, Battery and charger

OT-MWB: Lithium Ion Battery 28V 3.0Ah

OT-MWC: Lithium Ion Charger 220V-240V

**FEATURES**

The REC-P2 is a battery powered hydraulic pump which has a 1,000cc or 60 cubic inch reservoir capacity. Its performance is powerful and closer to AC powered pump R14E-F1.

Quiet and powerful 28.8 VDC motor provides intermittent duty hydraulic power source to a remote head up to 60 ton capacity.

The remote control permits operator to advance, retract and stop the piston at any desired position.

1,000 cc of reservoir volume is sufficient enough to operate a 60 ton compression head with optional 3 meter hose.

OT-MWB 28VDC Lithium ion Battery warrants 2 year or 2,000 cycle charges.

**REMARKS**

- Adjustable output pressure to 68.5 Mpa
- 360 degree swivel joint for hose maneuverability
- Durable steel cover
- Wired remote control switch
**MODEL No.**
**SB-3UK**

**Shear Bolt Impact Wrench**

**FEATURES**

The SB-3UK is a battery operated impact wrench especially designed to torque down the shear bolts for electrical connection use.

The tool features a unique shape to reduce its length for easy access to tight space.

It develops 196 N·m or 143 ft·lbs of torque and features variable speed to 2,200 rpm.

As it was designed for electrical work, there is no opening for air circulation. Continuous use will overheat and damage the tool. Rest the tool after 20 bolts are sheared.

**SPECIFICATIONS**

- **Torque**: 196 N.m
- **Speed**: 0~2,200 rpm
- **Motor**: 14.4 VDC
- **Socket Retainer**: 1/2"

**SIZE**

- **350 (L) x 180 (H) x 75 (W) mm**

**WEIGHT**

- **1.6 kg (less battery)**

**ACCESSORIES**

Double molded carrying case, Battery and charger
(See selection Battery & Compatibility Chart)

**REMARKS**

Specify charger input voltage.

* Battery operated impact wrench for shear bolts
* 196 N·m or 143 ft·lbs torque
* Variable speed to 2,200 rpm
* 1/2" square drive
* Short body length for tight space application
* Well balanced and light weight
* Regular E-Robo series 14.4 V battery
* Quality backed by ISO 9001 Quality Management System
MODEL No. BP-70I

Compatible with all 14.4V E-Robo series tools
1.3Ah Capacity

**SPECIFICATIONS**
- Output voltage: 14.4 VDC
- Capacity: 1.3Ah
- Type: Nickel Cadmium
- Charge time: 15 min with CH-35R or CH-35EMC
- LED indicator: Capacity, recharge cycles

**SIZE**
- 100 (L) x 137 (H) x 75 (W) mm

**WEIGHT**
- 750 g

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**FEATURES**

"Smart" Replacement Battery

The BP-70I intelligent battery is the same as the BP-70R with the addition of LED display. The LED on the side of the battery allows the user to monitor the status of the battery's total life and power in between charges.

It also allows visual evaluation of battery power while in use.

When not used with the tool, just press the check button to get an instant read-out of charge remaining.

**REMARKS**

* The battery has a limited life. When capacity becomes about 1/2 of the original capacity, the battery should be replaced.
* If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.
* The battery will need to be fully charged before first time use.
* Remaining battery capacity level: To check remaining battery capacity level, press the check button. The remaining battery capacity level is displayed for about 5 seconds. Recharge the battery when the bottom light starts to blink.
* Charging level: While the battery is charged, the indicator lights up as the capacity level increases.
* Number of charges: Keep pressing the check button for 10 seconds to show number of charges performed. LED pattern shows number in binary system.
MODEL No. BP-70E

Compatible with all 14.4V E-Robo series tools
1.9 Ah Capacity

SPECIFICATIONS
Output voltage : 14.4 VDC
Capacity : 1.9 Ah
Type : Nickel Cadmium
Charge time :
25 min with CH-35R or CH-35EMC

SIZE
100 (L) x 137 (H) x 70 (W) mm

WEIGHT
800 g

FEATURES
Standard Replacement Battery

The BP-70E is a standard replacement battery with high capacity of 1,900 mAh. Comparing with our BP-70R, it has 46% more of capacity. It means 46% more of crimp cycles and cutting cycles per charge.

The battery’s life expectancy is approximately 600 recharges.

REMARKS

* The battery has a limited life. When capacity becomes about 1/2 of the original capacity, the battery should be replaced.

* If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.

* When the battery is used for the first time, the battery will need to be fully charged before use.

* Cycles per charge will vary depending on the type and size of the material being cut or compressed.
MODEL No.  
BP-70EI  
Compatible with all 14.4V E-Robo series tools
1.9 Ah Capacity

SPECIFICATIONS
Output voltage : 14.4VDC
Capacity : 1.9Ah
Type : Nickel Cadmium
Charge time :
25 min with CH-35R or CH-35EMC
LED indicator : Capacity, recharge cycles

SIZE
100 (L) x 137 (H) x 75 (W) mm

WEIGHT
820 g

FEATURES
The BP-70EI intelligent battery is the same as the BP-70E with the addition of LED display. The LED on the side of the battery allows the user to monitor the status of battery's total life and power in between charges.

Comparing with our BP-70R, it has 46% more of capacity. It means 46% more of crimp cycles and Cutting cycles per charge.

It also allows visual evaluation of battery power while in use or without use. When not used with the tool, just press the check button to get an instant read-out of charge remaining.

REMARKS
* The battery has a limited life. When capacity becomes about 1/2 of the original capacity, the battery should be replaced.
* If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.
* When the battery is used for the first time, the battery will need to be fully charged before use.
* Remaining battery capacity level To check remaining battery capacity level, press the check button. The remaining battery capacity level is displayed for about 5 seconds. Recharge the battery when the bottom light starts to blink.
* Charging level While the battery is charged, the indicator lights up as the capacity level increases.
* Number of charges Keep pressing the check button for 10 seconds to show number of charges performed. LED pattern shows number in binary system.

Output voltage : 14.4VDC
Capacity : 1.9Ah
Type : Nickel Cadmium
Charge time :
25 min with CH-35R or CH-35EMC
LED indicator : Capacity, recharge cycles

SIZE
100 (L) x 137 (H) x 75 (W) mm

WEIGHT
820 g
BP-70MH

Compatible with all 14.4 V E-Robo series tools
3.0Ah Capacity (Nickel-metal hydride battery)

**SPECIFICATIONS**
Output voltage : 14.4 VDC
Capacity : 3.0 Ah
Type : Nickel-metal hydride battery
Charge time : 40 min with CH-35R or CH-35EMC

**SIZE**
100(L) x 140(H) x 70(W) mm

**WEIGHT**
850g

**FEATURES**
High Capacity Nickel metal hydride battery.

The BP-70MH is a standard replacement battery with high capacity of 3,000 mAh. Comparing with our BP-70R, it has 230% more of capacity. It means 230% more of crimp cycles and cutting cycles per charge. The battery's life expectancy is approximately 600 recharges.

**REMARKS**
* The battery has a limited life. When capacity becomes about 1/2 of the original capacity, the battery should be replaced.
* If the battery is stored without being charged, natural drainage will cause the power to be reduced. Be sure to charge the battery every 3 months.
* The battery will need to be fully charged before first time use.
* Cycles per charge will vary depending on the type and size of the material being cut or compressed.
**MODEL No.**

**CH-3FC2**

Regular battery charger

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**SPECIFICATIONS**

- **Input voltage:** CH-3TC (120V), CH-3FC2 (220V / 240V switchable)
- **Capacity:** 50VA
- **Charge time:**
  - 1 hour for BP-70R or BP-70I.
  - 90 minutes for BP-70E or BP-70EI.
  - 3 hours for BP-250R1

**SIZE**

- 212 (L) x 95 (H) x 105 (W) mm

**WEIGHT**

- 1.9 kg

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**FEATURES**

Standard One Hour Battery Charger

The CH-3FC2 is one hour charger for the BP-70R and BP-70I.

For the BP-70E and BP-70EI, charge time is 90 minutes.

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**REMARKS**

- The LED indicator lights up and stays while charging.
- The indicator will go out when completed.
- It charges the BP-70R, BP-70I, BP-70E, BP-70EI only.
  Do not use the charger for any other devices.
MODEL No.

**CH-35R or CH-35EMC**

40 minutes quick charger for BP-70MH

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Input voltage:</th>
<th>CH-35R (120V)</th>
<th>CH-35EMC (230V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity:</td>
<td>CH-35R (220VA)</td>
<td>CH-35EMC (230VA)</td>
</tr>
</tbody>
</table>

**SIZE**

200(L) x 95(H) x 115(W) mm

**WEIGHT**

900g

**FEATURES**

40 Minutes Charger for High capacity battery, BP-70MH.

It also charges BP-70E and BP-70EI in 25 minutes.

CH-35R is UL and CSA listed.

CH-35EMC is an EMC approved charger in accordance with related CE and EMC directives.

**REMARKS**

Stand by - RED Blinking

Under charging - GREEN Lighting

Completion - ORANGE Lighting

High or Low temperature - RED Lighting

Refresh charging - GREEN Blinking

Life end of battery - RED fast Blinking

Charger out of order - NO Lighting

* It charges BP-70R, BP-70I, BP-70E, BP-70EI, BP-70MH only.

* Charge time
  15 min for BP-70R or BP-70I
  25 min for BP-70E or BP-70EI
  40 min for BP-70MH

* Refresh Charge time
  6 hours for BP-70R or BP-70I
  8 hours for BP-70E or BP-70EI
  10 hours for BP-70MH

* Do not use charger for any other devices.
DC charger for E-Robo series batteries

**SPECIFICATIONS**

Input voltage : 12VDC or 24 VDC  
Rated input : 39 Watts

**SIZE**

200 (L) x 95 (H) x 115 (W) mm

**WEIGHT**

640 g

**FEATURES**

CH-70DCH is a 12/24V DC charger

Can be plugged directly into an automotive cigarette lighter socket and has a built in overload fuse protector

Engine should be running while charging the battery

**REMARKS**

* LED indicator lights up and stays on while charging

* Indicator will go out when completed

* Charges batteries BP-70R, BP-70I, BP-70E, BP-70EI, BP-70MH.  
  Do not use the charger for any other devices

* Charge time  
  BP-70R, BP-70I : 45 minutes  
  BP-70E, BP-70EI : 70 minutes  
  BP-70MH : 100 minutes

* Quality backed by ISO 9001
Non-insulated terminals: 14, 22, 38, 60, 70, 80, 100, 150 mm²

**SPECIFICATIONS**
- Two stage pumping
- Relief value
- Reservoir capacity: 83cc
- Output force: 90 kN

**SIZE**
512 (L) mm

**WEIGHT**
3.7 kg

**ACCESSORIES**
Dedicated Indentor: 14, 22, 38-70, 80-150 mm² (4 pieces), Double molded carrying case

**FEATURES**
The EP-150A is a hydraulic indenting tool for non-insulated terminals and sleeves up to 150mm².

When rolled-and-blazed connectors are installed, indenting crimp is applied. Indentation is made on the seam of connector for appropriate mechanical and electric characteristics of connected conductors.

The EP-150A is so designed that connected conductors meet JIS requirement as well as requirement for the tool itself.

**REMARKS**
- Unique two stage pumping for rapid ram advance
- Rotary nest for easy setting
MODEL No. 12A

Non-insulated terminals: 8, 14, 22, 38, 60, 70, 80, 100, 150, 180, 200, 325 mm²

SPECIFICATIONS
- Maximum input pressure: 700 bar
- Oil volume required: 90 cc
- Output force: 226 kN

SIZE
- 280 (L) mm

WEIGHT
- 7.5 kg

ACCESSORIES
- Steel carrying case with die tray

FEATURES
- The 12A is a hydraulic indenting head for non-insulated terminals and sleeves up to 325 mm².
- When rolled-and-blazed connectors are installed, indenting crimp is applied. Indentation is made on the seam of connector for appropriate mechanical and electric characteristics of connected conductors.
- The 12A is designed so that connected conductors meet JIS requirement as well as requirement for the tool itself.
- This tool requires an external 700 bar hydraulic pump.

REMARKS
- Standard dies included in the set:
  - Indentor: 22-60, 70-100, 150-325 mm² (3 pieces)
  - Nest: 60, 80, 100, 150, 180, 200, 325 mm² (7 pieces)
- Optional dies sold separately:
  - Indentor: 8-14 mm²
  - Nest: 8, 14, 22, 38, 70 mm²
MODEL No. 

AC-5ND

Insulated terminals : 2.0 mm² (blue)

SPECIFICATIONS

Applicable air pressure : 0.48-0.58 Mpa
Air consumption : 34 liters/min at 30 crimps/min
Output force : 12.7 kN at 0.48 Mpa air pressure

SIZE

215 (L) x 135 (H) x 90 (W) mm

WEIGHT

2.7 kg with Foot pedal

ACCESSORIES

Standard foot pedal
Jaws are sold separately

FEATURES

* Capable of crimping several types of terminals up to 5.5 mm² with interchangeable jaws.

* Bench mounted, air operated AC-5ND is suitable for continuous crimping for production line.

AF2 foot pedal adjusts jaw butting time by air timer so that butting time is regulated regardless of operator. This will prevent spring back of cramped terminal and maintain constant crimp heights.

REMARKS

Optional Jaw

Jaw #  Applicable terminals

# 1 Jaw : Non-insulated 1.25, 2, 5.5 mm²
# 3 Jaw : Insulated 1.25 mm²
# 4 Jaw : Insulated 2 mm²
# 5 Jaw : Insulated 5.5 mm²
# 7A Jaw : Closed End 1.3-3, 2-6 mm²
F-200 Jaw : Tab 0.5-1.25, 2 mm²
Cutter Jaw : Cu, Al wire 7 mm O.D.
### FEATURES

The 15B hand hydraulic tool was designed to accommodate compressing Izumi C-Connectors up to T-122. Light weight, slim design allows installation of C-Connectors in tight quarters. Two stage pumping system minimizes pumping operation. Rubber protected C Head and pump handle as well as fiberglass handle protect from accidental flash over.

### REMARKS

Dies for smaller size connectors and non-insulated terminals available.

- Two stage pumping action for rapid ram advance
- Rubber C head cover for protection of accidental flash over
- Fiberglass handle (Body handle)
- Rubber protected pump handle
- 180 degree swivel head

* Optional dies:
  1 Dies for C-Connectors T-11 and T-16
  2 Dies for non-insulated terminals

Indentors : 8-14, 22-60mm²
Nest : 8, 14, 22, 38, 60mm²

### SPECIFICATIONS

- Two stage Pumping
  - Reservoir capacity : 83 cc
  - Ram stroke : 15 mm
- Force at die face : 59 kN

### SIZE

- 465 (L) mm

### WEIGHT

- 3.0 kg

### ACCESSORIES

- T-20, T-26, T-44, T-60, T-76, T-98, T-122 dies
- Double molded carrying case
MODEL No. 16B

T-20 to T-365 Izumi C-Connectors

**SPECIFICATIONS**

- Oil volume required: 44 cc
- Ram stroke: 25 mm
- Force at die face: 118 kN

**SIZE**

- 286 (L) mm

**WEIGHT**

- 4.5 kg

**ACCESSORIES**

- Steel carrying case

**FEATURES**

- Dies for smaller size C-Connectors and non-insulated terminals available.

Optional dies:
1 Dies for C-Connectors
   - T-20, T-26, T-44, T-60, T-76, T-98, T-122

2 Dies for non-insulated terminals
   - Indenter: 8-14, 22-60, 70-100 mm²
   - Nest: 8, 14, 22, 38, 60, 80, 100 mm²

**REMARKS**

- The #16B is a compression head designed to compress Izumi C-Connectors.
- It has a 12 metric ton output suitable to compress C-Connectors up to T-365 (365 mm²).
- An external 700 bar or 10,000 PSI pumping source is required for operation.
- It comes with 5 sets of dies.
  - (T-154, T-190, T-240, T-288 and T-365)
MODEL No. CN-58A

Accepts BURNDY W dies

The CN-58A was designed to accept both Burndy MD6 W insert dies and Kearney / Blackburn O type / OD58 insert dies.

C framed head allows side loading of connectors and will accommodate conductors up to 24 mm outer diameter.

Saddle dies are Kearney / Blackburn D insert or BURNDY MD6 D3 fixed. These dies can be changed with other Kearney/Blackburn dies.

If Burndy W dies are used, simply slip the Burndy W dies over the saddle dies D3.

SPECIFICATIONS

- Ram stroke: 19 to 24 mm adjustable
- Reservoir capacity: 60cc
- Force at die face: 54 kN

SIZE

- 525 (L) x 130 (W) mm

WEIGHT

- 3.2 kg

ACCESSORIES

- Double molded carrying case

FEATURES

- Light weight
- Slim design
- Adjustable ram stroke for smaller connectors
- Positive die hold screws
- Two speed pumping for rapid ram advance
- Built-in bypass relief valve for audible click when maximum pressure is reached

REMARKS

- Dies are sold separately.

CN-58A shown with carrying case
MODEL No. **EP-50**

Accepts BEKU type dies
Up to 150 mm² Cu lug

**FEATURES**

The EP-50 was designed to accept dies for BEKU type mechanical tool widely used in European countries.

The light weight and slim design is ideal for close quarter application such as connection in the switch box.

Easy latch type closed head provides easy insertion and removal of connectors.

The spring loaded pump handle allows one hand pumping until lower die holds connector between dies.

**SPECIFICATIONS**

- Ram stroke : 15 mm
- Reservoir capacity : 60cc
- Force at die face : 52 kN

**SIZE**

- 370 (L) x 130 (W) mm

**WEIGHT**

- 2.0 kg

**ACCESSORIES**

- Double molded carrying case

**REMARKS**

- Dies are sold separately.
- * Light weight, compact and slim design
- * Accepts BEKU type dies
- * Yoke and Latch type head for easy die changeover and easy removal of jointed conductor
- * Adjustable ram stroke, 10 - 15mm to minimize pumping action
- * Built-in bypass relief valve
- * Small handle spread
MODEL No.

EP-410

Accepts existing 12 ton U-type dies

SPECIFICATIONS

Ram Stroke : 25 mm
Reservoir Capacity : 124 cc

Force at die face : 106 kN

SIZE

585 (L) x 150 (W) mm

WEIGHT

6.0 kg

ACCESSORIES

Double molded carrying case

FEATURES

The EP-410, hand operated compression tool features a two stage rapid advance pumping system. It accepts all U type dies currently manufactured for 12 ton tools on the market.

Consult your connector manufacturer for exact cable, connector and die combinations.

When ordering dies, specify the manufacturer’s die and connector numbers.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductor.

REMARKS

Dies are sold separately.
Specify the manufacturer's die and connector numbers.

* Two stage pumping action for rapid ram advance to the connector hold position with minimum pumping action
* Replaceable Dropout bypass valve cartridge for easy repair
* Fiberglass handles
* 180 degree swivel head
* Twist handle pressure release
* Accepts all dies used for Alcoa, Burndy, T&B, Klaue, Cembre and Blackburn 12 ton compressors
* Comes complete with double molded carrying case
MODEL No.

**EP-H130**

Accepts existing **12 ton** U-type dies, dies for deep indent crimps

---

**SPECIFICATIONS**

- **Ram stroke:** 28 mm
- **Oil volume required:** 51 cc
- **Force at die face:** 120 kN

**SIZE**

317 (L) mm

**WEIGHT**

4.2 kg

**ACCESSORIES**

Steel carrying case with die tray

**FEATURES**

The EP-H130H is a H-head with a one inch jaw opening. It accepts all shell type dies and dies for deep indent crimps currently used in 12 ton tool on today's market.

A 68.5Mpa (10,000 PSI) external pump is required to operate this tool.

Consult your connector manufacturer for exact cable, connector and die combinations.

**REMARKS**

Dies are sold separately.
Specify the manufacturer's die and connector numbers.

* 25mm jaw opening

* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton compressors, as well as dies for deep indent crimps.

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Example of dies

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EP-H130H
### FEATURES

The EP-431 is unique in that it has a large jaw opening of 31mm, and is able to splice 31mm outer diameter conductors.

This tool was designed for the electrical contractor and electric utility lineman who is confronted with larger cable diameter and larger connectors.

Most of the internal hydraulic components are the same as the EP-410 and the EP-510C.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductor.

### SPECIFICATIONS

- **Ram stroke**: 31 mm
- **Reservoir capacity**: 145 cc
- **Force at die face**: 106 kN

### SIZE

- **610 (L) x 150 (W) mm**

### WEIGHT

- **6.4 kg**

### ACCESSORIES

- Double molded carrying case

### REMARKS

- Dies are sold separately.
- Specify the manufacturer’s die and connector numbers.

  * Two stage pumping action for rapid ram advance to the connector hold position with minimum pumping action

  * Replaceable Dropout bypass valve cartridge for easy repair

  * Fiberglass handles

  * 180 degree swivel head

  * Twist handle pressure release

  * Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre and Blackburn 12 ton compressors

  * Comes complete with double molded carrying case
Accepts existing 12 ton U-type dies

**SPECIFICATIONS**
- Ram stroke: 42 mm
- Reservoir capacity: 200 cc
- Force at die face: 118 kN

**SIZE**
- 644 (L) x 150 (W) mm

**WEIGHT**
- 8.0 kg

**ACCESSORIES**
- Double molded carrying case

**FEATURES**

The EP-510C, hand operated compression tool features a two stage rapid advance pumping system. It accepts all U-type dies currently manufactured for 12 ton tools on the market.

The jaw opening of 42mm can accept larger splice up to 750KCM. Mid-span sleeve connection can be installed on larger cables and the cable can then be removed through the jaw opening.

Consult your connector manufacturer for exact cable, connector and die combinations.

Specify the manufacturer’s die and connector numbers.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum and ACSR conductor.

**REMARKS**

Dies are sold separately.
Specify the manufacturer’s die and connector numbers.

* Two stage pumping action for rapid ram advance to the connector hold position with minimum pumping action
* Replaceable Dropout bypass valve cartridge for easy repair
* Fiberglass handles
* 180 degree swivel head
* Twist handle pressure release
* Accepts all dies used for Alcoa, Bumdy, T&B and Blackburn 12 ton compressors
* Comes complete with double molded plastic case
MODEL No. 
UC-6B

**Up to 500KCM Anderson type connector**

### FEATURES

The UC-6B dieless crimping tool was designed to install Anderson type connectors up to 500 KCM.

Three movable indenting nibs push connectors against the top fixed nib. As a result, four indentations are made into the connector.

### SPECIFICATIONS

- **Ram stroke**: 29mm
- **Opening between nibs**: 32 mm
- **Output force**: 60 kN

### SIZE

- **563 (L) mm**

### WEIGHT

- **5.0 kg**

### ACCESSORIES

- Steel carrying case

### REMARKS

- Replaceable bypass cartridge
- External pressure adjustment
- Swivel head
- Fiberglass handles

**NOTE:**
The UC-6B was designed to crimp Anderson type connectors. Consult your connector manufacturer for dieless applications.
**MODEL No.**

**UC-6FT2**

**Up to 750KCM Anderson type connector**

**SPECIFICATIONS**

- Ram stroke : 31.5 mm
- Opening between nibs : 36 mm
- Output force : 60 kN

**SIZE**

- 580 (L) mm

**WEIGHT**

- 5.6 kg

**ACCESSORIES**

Steel carrying case

**FEATURES**

The UC-6FT2 flip-top dieless crimping tool was designed to install Anderson type connectors up to 750 KCM.

Three movable indenting nibs push connectors against the top fixed nib. As a result, four indentations are made into the connector.

Larger cables can be inserted and removed by opening the flip-top head.

**REMARKS**

- * Replaceable Bypass cartridge
- * External pressure adjustment
- * Flip Top Head
- * Fiberglass handles

**NOTE :**

The UC-6FT2 was designed to crimp Anderson type connectors. Consult your connector manufacturer for dieless applications.
**FEATURES**

The EP-50H was designed to accept dies for BEKU type mechanical tool widely used in European countries.

The light weight and slim design is ideal for close quarter application such as connection in the switch box. (Only 1.6 kg)

Positive latch type closed head provides easy insertion and removal of connectors.

This tool requires an external 68.5Mpa hydraulic pump.

**SPECIFICATIONS**

- Ram stroke : 15 mm
- Oil volume required : 18 cc
- Force at die face : 52 kN

**SIZE**

250 (L) mm

**WEIGHT**

1.6 kg

**ACCESSORIES**

Steel carrying case with die tray

**REMARKS**

Dies are sold separately

* Light weight, compact and slim design
* Accepts BEKU type dies
* Yoke and Latch type head for easy die changeover and easy removal of jointed conductor
* Adjustable ram stroke: 10 - 15 mm
* Single acting 68.5Mpa hydraulic power source required
## HYDRAULIC COMPRESSION TOOLS

### MODEL No. EP-410H

**Accepts existing 12 ton U-type dies**

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### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Ram stroke</th>
<th>25 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil volume required</td>
<td>42 cc</td>
</tr>
<tr>
<td>Force at die face</td>
<td>114 kN</td>
</tr>
</tbody>
</table>

### SIZE

- 285 (L) mm

### WEIGHT

- 3.6 kg

### ACCESSORIES

- Steel carrying case with die tray

---

### FEATURES

The EP-410H is a traditional C-head with a one inch jaw opening. It accepts all U-type dies currently used in 12 ton tool on today’s market.

A 68.5Mpa or 10,000 PSI external pump is required to operate this tool.

Consult your connector manufacturer for exact cable, connector and die combinations.

This tool was designed to accommodate shell type dies for applying compression fittings to copper, aluminum, and ACSR conductor.

---

### REMARKS

- Dies are sold separately
- Specify the manufacturer's die and connector numbers.
  * 25mm jaw opening
  * Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre, and Blackburn 12 ton compressors

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<table>
<thead>
<tr>
<th>SIZE</th>
<th>Width</th>
<th>Height</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>60</td>
<td>125</td>
<td>258</td>
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</tbody>
</table>

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**Example of dies**

**EP-410H shown with carrying case**
Accepts existing **12 ton** U-type dies, dies for deep indent crimps

**FEATURES**

The EP-H130H is a H-head with a one inch jaw opening. It accepts all shell type dies and dies for deep indent crimps currently used in 12 ton tool on today's market.

A 68.5Mpa (10,000 PSI) external pump is required to operate this tool.

Consult your connector manufacturer for exact cable, connector and die combinations.

**REMARKS**

Dies are sold separately. Specify the manufacturer's die and connector numbers.

* 25mm jaw opening

* Accepts all dies used for Alcoa, Burndy, T&B, Klaueke, Cembre and Blackburn 12 ton compressors, as well as dies for deep indent crimps.

**SPECIFICATIONS**

- Ram stroke : 28 mm
- Oil volume required : 51 cc
- Force at die face : 120 kN

**SIZE**

- 317 (L) mm

**WEIGHT**

- 4.2 kg

**ACCESSORIES**

- Steel carrying case with die tray
MODEL No. EP-431H

Accepts existing **12 ton** U-type dies

SPECIFICATIONS

- Ram stroke : 31 mm
- Oil volume required : 50 cc
- Force at die face : 106 kN

SIZE

- 340 (L) mm

WEIGHT

- 4.6 kg

ACCESSORIES

- Steel carrying case with die tray

FEATURES

The EP-431H is a remote C-head that requires an external 68.5Mpa or 10,000 PSI pumping source for operation. This unit has a larger jaw opening than the EP-410H and EP-H130H.

The 31mm opening allows the user to compress larger splices up to 600KCM.

Consult your connector manufacturer for exact cable, connector and die combinations.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum, and ACSR conductor.

REMARKS

- Dies are sold separately. Specify the manufacturer's die and connector number.
- * 31mm jaw opening
- * Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre, and Blackburn 12 ton compressors
Accepts existing 12 ton U-type dies

**FEATURES**

The EP-510HC is a remote C-head that requires an external 68.5Mpa or 10,000 PSI pumping source. It accepts all U type dies used with conventional 12 ton compression tools.

The larger jaw opening of 42mm accepts conductors and mid-span sleeve connections up to 750KCM.

Consult your connector manufacturer for exact cable, connector and die combinations.

This tool was designed to accommodate U-type dies for applying compression fittings to copper, aluminum, and ACSR conductor.

**SPECIFICATIONS**

- Ram stroke: 42 mm
- Oil volume required: 77 cc
- Force at die face: 118 kN

**SIZE**

420 (L) mm

**WEIGHT**

5.7 kg

**ACCESSORIES**

Steel carrying case with die tray

**REMARKS**

Dies are sold separately. Specify the manufacturer's die and connector numbers.

* 42mm jaw opening

* Accepts all dies used for Alcoa, Burndy, T&B, Klaeue, Cembre, and Blackburn 12 ton compressors
MODEL No. EP-610HS2

Accepts BURNDY P dies as well as 12 ton U-type dies

SPECIFICATIONS
Ram stroke : 50 mm (45 mm with die adapter)
Oil volume required : 100 cc
Force at die face : 139 kN

SIZE
375 (L) mm

WEIGHT
6.9 kg

ACCESSORIES
Steel carrying case with die tray

FEATURES
The EP-610HS2 is a remote C-head that requires an external 68.5Mpa or 10,000 PSI pumping source.

It accepts Burndy P-type dies used in the Y46. When used with PU-Adapter, it will accept all U-type dies used with any 12 ton tool.

Consult your connector manufacturer for exact cable, connector and die combinations.

REMARKS
Dies are sold separately. Specify the manufacturer’s die and connector numbers.

* 50mm jaw opening

* Accepts Burndy P type dies

* Accepts all dies used for Alcoa, Burndy, T&B, Klauke, Cembre, and Blackburn 12 ton compressors when used with P-U Adapter
The LP-430B hydraulic tool is directly powered by PTO (Power Take Off) from utility bucket trucks or any vehicle with a low pressure hydraulic circuit having line pressure of 13.7Mpa or 2,000 PSI and a maximum flow of 35 liters/min or 9 GPM.

The LP-430B is designed to operate with either Open-Center or Closed Center hydraulic system by rotating the head to the position.

The LP-430B has the same compression head as the EP-431 so that dies are interchangeable with all 12 ton U-type dies.

It has built-in relief valve to prevent overloading the tool from more than 13.7Mpa or 2,000 PSI of input pressure.

LP-430B is fitted with a two step safety trigger to assist in eliminating accidental operation.

Trigger guard is rubber coated to protect user against sharp edges.

**SPECIFICATIONS**

Jaw Opening: 30mm

Force at die face: 110 kN

**SIZE**

127 (Dia) x 557 (L) mm

**WEIGHT**

8.4 kg

**FEATURES**

- Low pressure hydraulic compression tool
- Direct power input from truck PTO
- Relief setting at 13.7Mpa (2,000 PSI)
- Suitable for bucket truck use
- Specify the manufacturer’s die and connector numbers

**REMARKS**

Accepts existing 12 ton U-type dies
MODEL No. EP-520C

Up to 500 mm² Copper Conductor, 590mm² Aluminum Conductor

SPECIFICATIONS

- Ram stroke : 26mm between dies
- Oil volume required : 132 cc
- Output Force : 294 kN

SIZE

- 125 (Dia) x 380 (H) mm

WEIGHT

- 17.5 kg

ACCESSORIES

- Steel Carrying case
- Die case

FEATURES

- The EP-520C is a single acting, 294kN press that is designed to compress Aluminum sleeves and lugs up to 590mm².
- The EP-520C remote head requires an external 68.5Mpa or 10,000 PSI pumping source.
- Simple and rigid frame type construction makes the press lighter yet durable.
- Dies are sold separately.

REMARKS

- * Specify the manufacturer's die and connector numbers.
- * Simple and compact design
- * Yoke type head
- * 30 metric ton output
- * Positive die locking mechanism
Accepts existing 60 ton U-type dies  
Max. connector diameter: Approx. 60mm

**SPECIFICATIONS**
- Ram stroke: 38.5 mm
- Oil volume required: 303 cc
- Force at die face: 540 kN (60 short ton) at 68.5Mpa (10,000 PSI) of oil pressure

**SIZE**
146 (Dia) x 450 (H) mm with Ground stand

**WEIGHT**
22.0 kg

**ACCESSORIES**
- Steel carrying case, Ground stand
  - Option: Die adapter for 12 ton U-type dies

**FEATURES**
The EP-60S compression head was designed as a portable tool for installing compression sleeves and terminals for transmission construction and maintenance work.

- It operates in any position and gives 540 kN of working force to accept commercial compression joints used for transmission construction.

**REMARKS**
- Dies are sold separately.
  - * Accepts all dies used for Alcoa, 60 ton compressors
  - * Specify the manufacturer's die and connector numbers
  - * Portable and light weight
    - * Detachable ground stand as a standard accessory
    - * Large handle for easy carrying
    - * Single acting hydraulic pump required.
Accepts existing **60 ton** U-type dies
Max. connector diameter : Approx. 60mm

**FEATURES**

The EP-60D is a double acting 60 ton press. The benefits of double acting tools are fast ram retraction and elimination of the possibility of the tool jamming.

Double acting means hydraulically advancing and retracting the ram. When retracting the ram, a 4-way valve reroutes the hydraulic path to the retracting chamber.

It ensures the ram retracts hydraulically. As a result, the possibility of connector jamming is eliminated and at the same time the ram is retracted much faster. Ram retracting time is 1/3 of spring return EP-60S.

**SPECIFICATIONS**

Ram stroke : 38.5 mm
Oil volume required : 303 cc
Force at die face : 517kN at 68.5Mpa (10,000 PSI) of oil pressure

**SIZE**

260 (Dia) x 446 (H) mm with Ground stand

**WEIGHT**

23.0 kg

**ACCESSORIES**

Steel carrying case, Ground stand

Option : Die adapter for 12 ton U-type dies

**FEATURES**

The EP-60D is a double acting 60 ton press. The benefits of double acting tools are fast ram retraction and elimination of the possibility of the tool jamming.

Double acting means hydraulically advancing and retracting the ram. When retracting the ram, a 4-way valve reroutes the hydraulic path to the retracting chamber.

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**SPECIFICATIONS**

Ram stroke : 38.5 mm
Oil volume required : 303 cc
Force at die face : 517kN at 68.5Mpa (10,000 PSI) of oil pressure

**SIZE**

260 (Dia) x 446 (H) mm with Ground stand

**WEIGHT**

23.0 kg

**ACCESSORIES**

Steel carrying case, Ground stand

Option : Die adapter for 12 ton U-type dies

**FEATURES**

The EP-60D is a double acting 60 ton press. The benefits of double acting tools are fast ram retraction and elimination of the possibility of the tool jamming.

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**SPECIFICATIONS**

Ram stroke : 38.5 mm
Oil volume required : 303 cc
Force at die face : 517kN at 68.5Mpa (10,000 PSI) of oil pressure

**SIZE**

260 (Dia) x 446 (H) mm with Ground stand

**WEIGHT**

23.0 kg

**ACCESSORIES**

Steel carrying case, Ground stand

Option : Die adapter for 12 ton U-type dies

**FEATURES**

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**SPECIFICATIONS**

Ram stroke : 38.5 mm
Oil volume required : 303 cc
Force at die face : 517kN at 68.5Mpa (10,000 PSI) of oil pressure

**SIZE**

260 (Dia) x 446 (H) mm with Ground stand

**WEIGHT**

23.0 kg

**ACCESSORIES**

Steel carrying case, Ground stand

Option : Die adapter for 12 ton U-type dies

**FEATURES**

The EP-60D is a double acting 60 ton press. The benefits of double acting tools are fast ram retraction and elimination of the possibility of the tool jamming.

Double acting means hydraulically advancing and retracting the ram. When retracting the ram, a 4-way valve reroutes the hydraulic path to the retracting chamber.

It ensures the ram retracts hydraulically. As a result, the possibility of connector jamming is eliminated and at the same time the ram is retracted much faster. Ram retracting time is 1/3 of spring return EP-60S.

**SPECIFICATIONS**

Ram stroke : 38.5 mm
Oil volume required : 303 cc
Force at die face : 517kN at 68.5Mpa (10,000 PSI) of oil pressure

**SIZE**

260 (Dia) x 446 (H) mm with Ground stand

**WEIGHT**

23.0 kg

**ACCESSORIES**

Steel carrying case, Ground stand

Option : Die adapter for 12 ton U-type dies

**FEATURES**

The EP-60D is a double acting 60 ton press. The benefits of double acting tools are fast ram retraction and elimination of the possibility of the tool jamming.

Double acting means hydraulically advancing and retracting the ram. When retracting the ram, a 4-way valve reroutes the hydraulic path to the retracting chamber.

It ensures the ram retracts hydraulically. As a result, the possibility of connector jamming is eliminated and at the same time the ram is retracted much faster. Ram retracting time is 1/3 of spring return EP-60S.
Max connector outer diameter : Approx. 75 mm

**100 ton** class compression head

**SPECIFICATIONS**
- Ram stroke : 22 mm
- Oil volume required : 230 cc
- Output force : 980 kN

**SIZE**
- 200 (Dia) x 359 (H) mm

**WEIGHT**
- 32.0 kg

**FEATURES**
- The EP-100W is a 100 ton class compression head for full tension, transmission and substation connections and require an external double acting 68.5Mpa pumping source.
- Double acting means hydraulically advancing the ram to build proper tonnage, then the hydraulic pressure is reversed to retract the ram. It expedites ram retracting time.
- Removable die cap design helps operator with easy insertion and removal of the connector.
- Dies are exclusive to this model not interchangeable with other make.

**REMARKS**
- Dies are sold separately.
- * Specify the manufacturer's die and connector numbers.
- * Light weight
- * Removable die cap for easy connector positioning
- * Simple design for easy maintenance
- * Double acting hydraulic pump required
- * The HPE-4 or HEP-4M Engine driven hydraulic pump is recommended to operate the EP-100W
MODEL No. EP-200W

Max connector outer diameter: Approx. 100 mm
200 ton class compression head

SPECIFICATIONS
Ram stroke: 40 mm
Oil volume required: 1,134 cc
Output force: 1,960 kN

SIZE
270 (Dia) x 415 (H) mm

WEIGHT
86.0 kg

FEATURES
The EP-200W is a 200 ton class compression head which accepts shell type dies exclusively designed for the EP-200W. It requires an external double acting 68.5Mpa pumping source.

Double acting means hydraulically advancing the ram to build proper tonnage, then the hydraulic pressure is reversed to retract the ram. It expedites ram retracting time as well as connector binding between dies.

Removable die cap design helps operator an easy insertion and removable of the connector.

REMARKS
Dies are sold separately.

* Specify the manufacturer's die and connector numbers.
* Light weight
* Removable die cap for easy connector positioning
* Simple design for easy maintenance
* Double acting hydraulic pump required
* The HPE-4 or HPE-4M Engine driven hydraulic pump is recommended to operate the EP-200W
S-200

Cuts steel materials as well as cables up to 20 mm

FEATURES

Light weight portable hydraulic cutter features:

* Guillotine type cutting for less jamming than shear type cutting
* No set-up time required
* Blades are easily replaceable
* 180 degree swivel and latch type head allows easy cutting position

SPECIFICATIONS

Maximum handle load: 235 N
Single stage pumping
Relief valve is not equipped
Reservoir capacity: 60 cc
Maximum opening: 22 mm
Pumping cycles when no load: 39 times

Output force: 66 kN

SIZE

400 (L) mm

WEIGHT

3.0 kg

ACCESSORIES

Carrying bag

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

<table>
<thead>
<tr>
<th>Material</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope 6 x 7</td>
<td>16 mm</td>
</tr>
<tr>
<td>Wire rope 6 x 12</td>
<td>20 mm</td>
</tr>
<tr>
<td>Wire rope 6 x 19</td>
<td>20 mm</td>
</tr>
<tr>
<td>Soft steel bar</td>
<td>16 mm</td>
</tr>
<tr>
<td>Reinforcing rod</td>
<td>13 mm</td>
</tr>
<tr>
<td>Cu strands</td>
<td>20 mm</td>
</tr>
<tr>
<td>Al strands</td>
<td>20 mm</td>
</tr>
<tr>
<td>ACSR</td>
<td>21 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 7</td>
<td>16 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 19</td>
<td>16 mm</td>
</tr>
<tr>
<td>CCP cable</td>
<td>N/A</td>
</tr>
</tbody>
</table>
MODEL No.  
S-240

Cuts steel materials as well as cables up to 24 mm

**SPECIFICATIONS**

- Maximum handle load: 226 N
- Two stage pumping
- Relief valve is not equipped
- Reservoir capacity: 120 cc
- Maximum opening: 24 mm
- Pumping cycles when no load: 13 times

- Output force: 84 kN

**SIZE**

- 475 (L) mm

**WEIGHT**

- 4.9 kg

**ACCESSORIES**

- Carrying bag

**FEATURES**

- Light weight portable hydraulic cutter features:
  - Two stage pumping for rapid blade advance
  - Guillotine type cutting for less jamming than shear type cutting
  - No set-up time required
  - Blades are easily replaceable
  - 180 degree swivel and latch type head allows easy cutting position

**REMARKS**

- Cutting of piano wire is prohibited.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>WEIGHT</th>
<th>ACCESSORIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>475 (L) mm</td>
<td>4.9 kg</td>
<td>Carrying bag</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light weight portable hydraulic cutter features:</td>
<td>Cutting of piano wire is prohibited.</td>
</tr>
<tr>
<td>- Two stage pumping for rapid blade advance</td>
<td></td>
</tr>
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<td>- Guillotine type cutting for less jamming than shear type cutting</td>
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</tr>
<tr>
<td>- No set-up time required</td>
<td></td>
</tr>
<tr>
<td>- Blades are easily replaceable</td>
<td></td>
</tr>
<tr>
<td>- 180 degree swivel and latch type head allows easy cutting position</td>
<td></td>
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</tbody>
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<tr>
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<th>REMARKS</th>
</tr>
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<tbody>
<tr>
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<td>REMARKS</td>
</tr>
<tr>
<td>Wire rope 6 x 7 : 18 mm</td>
<td>Wire rope 6 x 12 : 24 mm</td>
</tr>
<tr>
<td>Wire rope 6 x 19 : 24 mm</td>
<td>Wire rope 6 x 19 : 24 mm</td>
</tr>
<tr>
<td>Soft steel bar : 20 mm</td>
<td>Soft steel bar : 20 mm</td>
</tr>
<tr>
<td>Reinforcing rod : 16 mm</td>
<td>Reinforcing rod : 16 mm</td>
</tr>
<tr>
<td>Cu strands : 24 mm</td>
<td>Cu strands : 24 mm</td>
</tr>
<tr>
<td>Al strands : 24 mm</td>
<td>Al strands : 24 mm</td>
</tr>
<tr>
<td>ACSR : 24 mm</td>
<td>ACSR : 24 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 7 : 20 mm</td>
<td>Guy wire 1 x 19 : 20 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 19 : 20 mm</td>
<td>CCP cable : N/A</td>
</tr>
</tbody>
</table>
MODEL No.  
S-320

Cuts heavy steel materials up to 32 mm

FEATURES
Light weight portable hydraulic cutter features:

* Two stage pumping for rapid blade advance
* Safety relief valve for overload protection
* Guillotine type cutting for less jamming than shear type cutting
* No set-up time required
* Blades are easily replaceable
* 180 degree swivel and latch type head allows easy cutting position

SPECIFICATIONS
- Maximum handle load: 276 N
- Two stage pumping
- Relief valve is equipped
- Reservoir capacity: 202 cc
- Maximum opening: 35 mm
- Pumping cycles when no load: 20 times
- Output force: 194 kN

SIZE
- 580 (L) mm

WEIGHT
- 12.0 kg

ACCESSORIES
- Carrying bag

REMARKS
Cutting of piano wire is prohibited.

Cutting capacity
- Wire rope 6 x 7: 32 mm
- Wire rope 6 x 12: 32 mm
- Wire rope 6 x 19: 32 mm
- Soft steel bar: 25 mm
- Reinforcing rod: 25 mm
- Cu strands: 32 mm
- Al strands: 32 mm
- ACSR: 32 mm
- Guy wire 1 x 7: 32 mm
- Guy wire 1 x 19: 32 mm
- CCP cable: N/A
**MODEL No.**

**S-400**

Cuts steel materials as well as cables up to 41 mm

**SPECIFICATIONS**

- Maximum handle load: 196 N
- Two stage pumping
- Relief valve is not equipped
- Reservoir capacity: 120 cc
- Maximum opening: 42 mm
- Pumping cycles when no load: 17 times
- Output force: 55 kN

**SIZE**

- 575 (L) mm

**WEIGHT**

- 5.8 kg

**ACCESSORIES**

- Carrying bag

**FEATURES**

Light weight portable hydraulic cutter features:

- Two stage pumping for rapid blade advance
- Guillotine type cutting for less jamming than shear type cutting
- No set-up time required
- Blades are easily replaceable
- 180 degree swivel and lock pin type head allows easy cutting position

**REMARKS**

Cutting of piano wire is prohibited.

Cutting capacity:

<table>
<thead>
<tr>
<th>Material</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope 6 x7</td>
<td>22 mm</td>
</tr>
<tr>
<td>Wire rope 6 x12</td>
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</tr>
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</tr>
<tr>
<td>Cu strands</td>
<td>41 mm</td>
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<tr>
<td>Al strands</td>
<td>41 mm</td>
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<tr>
<td>ACSR</td>
<td>38 mm</td>
</tr>
<tr>
<td>Guy wire 1 x7</td>
<td>15 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 19</td>
<td>20 mm</td>
</tr>
<tr>
<td>CCP cable</td>
<td>N/A</td>
</tr>
</tbody>
</table>
MODEL No.  
**S-550**

Cuts steel materials as well as cables up to 54 mm

### FEATURES

Light weight portable hydraulic cutter features:

- Two stage pumping for rapid blade advance
- Safety relief valve for overload protection
- Guillotine type cutting for less jamming than shear type cutting
- No set-up time required
- Blades are easily replaceable
- 180 degree swivel and lock pin type head allows easy cutting position

### SPECIFICATIONS

- Maximum handle load: 276 N
- Two stage pumping
- Relief valve is equipped
- Reservoir capacity: 202 cc
- Maximum opening: 54 mm
- Pumping cycles when no load: 25 times
- Output force: 124 kN

### SIZE

- 625 (L) mm

### WEIGHT

- 10.0 kg

### ACCESSORIES

- Carrying bag

### REMARKS

Cutting of piano wire is prohibited.

Cutting capacity:

- Wire rope 6 x 7: 25 mm
- Wire rope 6 x 12: 30 mm
- Wire rope 6 x 19: 30 mm
- Soft steel bar: 22 mm
- Reinforcing rod: 20 mm
- Cu strands: 54 mm
- Al strands: 54 mm
- ACSR: 54 mm
- Guy wire 1 x 7: 15 mm
- Guy wire 1 x 19: 20 mm
- CCP cable: N/A
MODEL No. 850

Cuts cables up to 85 mm

SPECIFICATIONS

Maximum handle load: 196 N
Two stage pumping
Relief valve is not equipped
Reservoir capacity: 120 cc
Maximum opening: 88 mm
Pumping cycles when no load: 20 times

Output force: 39 kN

SIZE

710 (L) mm

WEIGHT

8.2 kg

ACCESSORIES

Carrying bag

FEATURES

Light weight portable hydraulic cutter features:

* Two stage pumping for rapid blade advance

* Guillotine type cutting for less jamming than shear type cutting

* No set-up time required

* Blades are easily replaceable

* 180 degree swivel and lock pin type head allows easy cutting position

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity:

Cu strands: 28 mm
Al strands: 38 mm
CCP cable: 85 mm

Wire rope 6 x 7: N/A
Wire rope 6 x 12: N/A
Wire rope 6 x 19: N/A
Soft steel bar: N/A
Reinforcing rod: N/A
ACSR: N/A
Guy wire 1 x 7: N/A
Guy wire 1 x 19: N/A
MODEL No. SP-20A

Cuts steel materials as well as cables up to 20 mm

SPECIFICATIONS
Maximum input pressure: 68.5 Mpa
Oil volume required: 18 cc
Output force: 44 kN

SIZE
240 (L) mm

WEIGHT
2.3 kg

ACCESSORIES
Carrying bag

FEATURES
The SP-20A hydraulic cutter head features:

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Flip-top latch for easy insertion of cutting material

REMARKS
Cutting of piano wire is prohibited.

Cutting capacity

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<thead>
<tr>
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<tbody>
<tr>
<td>Wire rope 6 x 7</td>
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<td>CCP cable</td>
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</table>

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>Maximum input pressure</td>
<td>68.5 Mpa</td>
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<tr>
<td>Oil volume required</td>
<td>18 cc</td>
</tr>
<tr>
<td>Output force</td>
<td>44 kN</td>
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</tbody>
</table>

SIZE

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
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<td>Length</td>
<td>240 mm</td>
</tr>
</tbody>
</table>

WEIGHT

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>2.3 kg</td>
</tr>
</tbody>
</table>

ACCESSORIES

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrying bag</td>
<td>Carrying bag</td>
</tr>
</tbody>
</table>
MODEL No. SP-24

Cuts steel materials as well as cables up to 24 mm

SPECIFICATIONS
Maximum input pressure: 68.5 Mpa
Oil volume required: 33 cc
Output force: 86 kN

SIZE
245 (L) mm

WEIGHT
3.1 kg

ACCESSORIES
Carrying bag

FEATURES
The SP-24 hydraulic cutter head features:

* Fast cutting with remote operation

* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)

* Equipped with PT 3/8" threaded Izumi high pressure couplers

* PT-NPT adapters are available on request for NPT 3/8" threaded couplers

* Blades are easily replaceable

* Flip-top latch for easy insertion of cutting material

REMARKS
Cutting of piano wire is prohibited.

Cutting capacity

| Wire rope 6 x 7 | 18 mm |
| Wire rope 6 x 12 | 24 mm |
| Wire rope 6 x 19 | 24 mm |
| Soft steel bar | 20 mm |
| Reinforcing rod | 16 mm |
| Cu strands | 24 mm |
| Al strands | 24 mm |
| ACSR | 24 mm |
| Guy wire 1 x 7 | 20 mm |
| Guy wire 1 x 19 | 20 mm |
| CCP cable | N/A |
MODEL No. SP-32

Cuts heavy duty steel materials up to 32 mm

SPECIFICATIONS
Maximum input pressure: 68.5 Mpa
Oil volume required: 135 cc
Output force: 250 kN

SIZE
300 (L) mm

WEIGHT
10.0 kg

ACCESSORIES
Carrying bag

FEATURES

The SP-32 hydraulic cutter head features:

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Flip-top latch for easy insertion of cutting material

REMARKS
Cutting of piano wire is prohibited.

Cutting capacity

<table>
<thead>
<tr>
<th>Material</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope 6 x 7</td>
<td>32 mm</td>
</tr>
<tr>
<td>Wire rope 6 x 12</td>
<td>32 mm</td>
</tr>
<tr>
<td>Wire rope 6 x 19</td>
<td>32 mm</td>
</tr>
<tr>
<td>Soft steel bar</td>
<td>25 mm</td>
</tr>
<tr>
<td>Reinforcing rod</td>
<td>25 mm</td>
</tr>
<tr>
<td>Cu strands</td>
<td>32 mm</td>
</tr>
<tr>
<td>Al strands</td>
<td>32 mm</td>
</tr>
<tr>
<td>ACSR</td>
<td>32 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 7</td>
<td>32 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 19</td>
<td>32 mm</td>
</tr>
<tr>
<td>CCP cable</td>
<td>N/A</td>
</tr>
</tbody>
</table>
MODEL No. SP-40A

Cuts steel materials as well as cables up to 41 mm

SPECIFICATIONS

- Maximum input pressure: 68.5 Mpa
- Oil volume required: 50 cc
- Output force: 68 kN

SIZE

- 340 (L) mm

WEIGHT

- 4.0 kg

ACCESSORIES

- Carrying bag

FEATURES

- Fast cutting with remote operation
- It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
- Equipped with PT 3/8" threaded Izumi high pressure couplers
- PT-NPT adapters are available on request for NPT 3/8" threaded couplers
- Blades are easily replaceable
- Lock pin type cutter head

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity:

<table>
<thead>
<tr>
<th>Material</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope 6 x 7</td>
<td>22 mm</td>
</tr>
<tr>
<td>Wire rope 6 x 12</td>
<td>25 mm</td>
</tr>
<tr>
<td>Wire rope 6 x 19</td>
<td>25 mm</td>
</tr>
<tr>
<td>Soft steel bar</td>
<td>20 mm</td>
</tr>
<tr>
<td>Reinforcing rod</td>
<td>16 mm</td>
</tr>
<tr>
<td>Cu strands</td>
<td>41 mm</td>
</tr>
<tr>
<td>Al strands</td>
<td>41 mm</td>
</tr>
<tr>
<td>ACSR</td>
<td>38 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 7</td>
<td>15 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 19</td>
<td>20 mm</td>
</tr>
<tr>
<td>CCP cable</td>
<td>N/A</td>
</tr>
</tbody>
</table>
MODEL No. SP-55A

Cuts steel materials as well as cables up to 55 mm

FEATURES

The SP-55A hydraulic cutter head features:

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Lock pin type cutter head

SPECIFICATIONS

Maximum input pressure : 68.5 Mpa
Oil volume required : 120 cc
Output force : 118 kN

SIZE

415 (L) mm

WEIGHT

9.0 kg

ACCESSORIES

Carrying bag

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

<table>
<thead>
<tr>
<th>Material</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire rope 6 x 7</td>
<td>25 mm</td>
</tr>
<tr>
<td>Wire rope 6 x 12</td>
<td>30 mm</td>
</tr>
<tr>
<td>Wire rope 6 x 19</td>
<td>30 mm</td>
</tr>
<tr>
<td>Soft steel bar</td>
<td>22 mm</td>
</tr>
<tr>
<td>Reinforcing rod</td>
<td>19 mm</td>
</tr>
<tr>
<td>Cu strands</td>
<td>50 mm</td>
</tr>
<tr>
<td>Al strands</td>
<td>50 mm</td>
</tr>
<tr>
<td>ACSR</td>
<td>50 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 7</td>
<td>15 mm</td>
</tr>
<tr>
<td>Guy wire 1 x 19</td>
<td>20 mm</td>
</tr>
<tr>
<td>CCP cable</td>
<td>N/A</td>
</tr>
</tbody>
</table>
MODEL No. P-60

Cuts Al & Cu cables up to 60 mm

**SPECIFICATIONS**
- Maximum input pressure: 68.5 Mpa
- Oil volume required: 71 cc
- Maximum opening: 60 mm
- Output force: 79 kN

**SIZE**
- 410 (L) mm

**WEIGHT**
- 5.2 kg

**ACCESSORIES**
- Carrying bag

**FEATURES**
- Fast cutting with remote operation
- Guillotine type cutting for less jamming than shear type cutting
- It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
- Equipped with NPT 3/8" threaded Parker type high pressure coupler
- Blades are easily replaceable
- Lock pin type cutter head

**REMARKS**
- Cutting of piano wire is prohibited.

**Cu strands**: 60 mm
**Al strands**: 60 mm
**CCP cable**: 60 mm

**Wire rope 6 x 7**: N/A
**Wire rope 6 x 12**: N/A
**Wire rope 6 x 19**: N/A
**Soft steel bar**: N/A
**Reinforcing rod**: N/A
**ACSR**: N/A
**Guy wire 1 x 7**: N/A
**Guy wire 1 x 19**: N/A
MODEL No. P-85

Cuts Al & Cu cables up to 85 mm

FEATURES

The P-85 hydraulic cutter head features:

* Fast cutting with remote operation
* It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with PT 3/8" threaded Izumi high pressure couplers
* PT-NPT adapters are available on request for NPT 3/8" threaded couplers
* Blades are easily replaceable
* Lock pin type cutter head

SPECIFICATIONS

Maximum input pressure: 68.5 Mpa
Oil volume required: 65 cc
Output force: 40 kN

SIZE

460 (L) mm

WEIGHT

7.2 kg

ACCESSORIES

Carrying bag

REMARKS

Cutting of piano wire is prohibited.

Cutting capacity

<table>
<thead>
<tr>
<th></th>
<th>Cu strands</th>
<th>Al strands</th>
<th>CCP cable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>28 mm</td>
<td>38 mm</td>
<td>85 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Wire rope 6 x 7</th>
<th>Wire rope 6 x 12</th>
<th>Wire rope 6 x 19</th>
<th>Soft steel bar</th>
<th>Reinforcing rod</th>
<th>ACSR</th>
<th>Guy wire 1 x 7</th>
<th>Guy wire 1 x 19</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
MODEL No. P-100A

Cuts Al & Cu cables up to 100 mm

SPECIFICATIONS
- Maximum input pressure: 68.5 Mpa
- Oil volume required: 140 cc
- Output force: 74 kN

SIZE
- 590 (L) mm

WEIGHT
- 13.2 kg

ACCESSORIES
- Carrying bag

FEATURES
- Fast cutting with remote operation
- It can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
- Equipped with PT 3/8" threaded Izumi high pressure couplers
- PT-NPT adapters are available on request for NPT 3/8" threaded couplers
- Blades are easily replaceable
- Lock pin type cutter head

REMARKS
- Cutting of piano wire is prohibited.

Cutting capacity
- Cu strands: 42 mm
- Al strands: 46 mm
- CCP cable: 100 mm
- Wire rope 6 x 7: N/A
- Wire rope 6 x 12: N/A
- Wire rope 6 x 19: N/A
- Soft steel bar: N/A
- Reinforcing rod: N/A
- ACSR: N/A
- Guy wire 1 x 7: N/A
- Guy wire 1 x 19: N/A

SPECIFICATIONS

SIZE

WEIGHT

ACCESSORIES
**MODEL No.**
P-132

Cuts insulated cables up to 132 mm

**FEATURES**

P-132 hydraulic cutter head features:

* Cuts underground or armored cables (depends on type)
* Fast cutting with remote operation
* Guillotine type cutting for less jamming than shear type cutting
* 132mm jaw opening accepts larger size cables
* Can be operated by any hydraulic pump with rated oil pressure of 68.5 Mpa (10,000 PSI)
* Equipped with NPT 3/8” threaded Parker type high pressure couplers
* Blades are easily replaceable
* Lock pin type cutter head

**SPECIFICATIONS**

Maximum input pressure : 68.5Mpa (10,000 PSI)
Oil volume required : 220 cc
Output force : 95 kN

**SIZE**

630 (L) mm

**WEIGHT**

12.0 kg

**ACCESSORIES**

Carrying bag

**REMARKS**

Cutting of piano wire is prohibited.

Cutting capacity

<table>
<thead>
<tr>
<th>Cu strands</th>
<th>42 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al strands</td>
<td>46 mm</td>
</tr>
</tbody>
</table>

| Wire rope 6x7 | N/A |
| Wire rope 6x12 | N/A |
| Wire rope 6x19 | N/A |
| Soft steel bar | N/A |
| Reinforcing rod | N/A |
| ACSR | N/A |
| Guy wire 1x7 | N/A |
| Guy wire 1x19 | N/A |

*Quality backed by ISO 9001
MODEL No.  
YSP-30B

Al strands : 28 mm (240 mm²) 
Cu strands : 28 mm (250 mm²) 
ACSR: 19 mm (120 mm²) (Single strand steel core)

YSP-30B with 3-60mm² cables

FEATURES
The YSP-30B hydraulic scissors type cutter head is ideal for close quarter work and bucket truck applications where the open jaw cutter can easily grab and cut the cables.

Scissors type cutting gives clean cut with a minimal amount of cable distortion, which allows for easy connector installation on cables.

The YSP-30B remote head requires an external, high pressure, 68.5Mpa (10,000 PSI) pumping source.

SPECIFICATIONS
- Maximum input pressure : 68.5 Mpa
- Oil volume required : 18 cc
- Output force : 63 kN

SIZE
320 (L) mm

WEIGHT
3.2 kg

ACCESSORIES
Carrying bag

REMARKS
* Scissors type cutter
* Fast remote operation
* Light weight and compact
* 30mm opening between blades
Cuts electric cables up to 85 mm

**SPECIFICATIONS**
- Maximum input pressure: 68.5 Mpa
- Oil volume required: 50 cc
- Ram stroke: 43.5 mm
- Output force: 73.5 kN

**SIZE**
- 455 (L) x 200 (H) x 120 (W) mm

**WEIGHT**
- 4.8 kg

**ACCESSORIES**
- Carrying bag

**FEATURES**
The P-85YC scissors type cutter head was designed to cut various cables used in the industry today.

It can cut Cu and Al cables up to 60mm and CCP cables up to 85mm.

The scissors type cutter head provides exceptional ease of use and maneuverability when making many cuts. It can cut the cables with a minimum amount of distortion.

The P-85YC remote head requires an external, high pressure, 68.5 Mpa (10,000 PSI) pumping source.

**REMARKS**
- Cutting capacity:
  - Material
  - Polyethylene cable 600V-CV325 mm² (60 mm OD) 3 core
  - 600V-CV150 mm² (46 mm OD) 3 core
  - 600V-CV500 mm² (38 mm OD) 3 core
  - Multi-core vinyl insulation cable VVR150 mm² (47 mm OD) 3 core
  - CCP Cable (85 mm OD)
  - Lead sheathed cable (85 mm OD)
MODEL No. **S-32CC1**

Soft steel bar : 19 mm  Re-bar : 19 mm
Al or Cu rod : 25 mm

**FEATURES**

The S-32CC1 hydraulic cutter was specially designed to cut the toughest EHS guy wire, ground and anchor rods.

The anvil style, center cut blades eliminate jamming problems common to shear type cutters, and the blades are easily replaced in the field.

The tool is made of high grade steel and has rubber handle grips.

A flip-top latch opens the tool jaw to accept material to cut easily.

**SPECIFICATIONS**

Maximum handle force : 284 N
Reservoir capacity : 165 cc
No relief value equipped
Output force : 191 kN

**SIZE**

685 (L) mm

**WEIGHT**

10.2 kg

**ACCESSORIES**

Carrying bag

**REMARKS**

* Heavy duty head design
* Easily replaceable blades
* Butting type cut for solid materials (Chain, Steel bar, Guy wire, Re-bar)
* Flip-top latch for easy insertion of cutting material
MODEL No.
HP-180N

Rated pressure: 0 - 59 Mpa

**FEATURES**

The HP-180N is ideal for SH-10 Punch driver or any small remote heads requiring less than 180 cc of oil volume.

Since the HP-180N does not have a relief valve, it cannot be used with any compression heads which require a relief valve to ensure a constant compression every time.

**SPECIFICATIONS**

- Oil delivery: 0.9 cc / stroke
- Reservoir capacity: 180 cc

**SIZE**

- 320 (L) x 80 (W) x 120 (H) mm

**WEIGHT**

- 3.7 kg

**ACCESSORIES**

- 1 m hydraulic hose attached

**REMARKS**

- Relief valve not equipped.
  - *Bladder type oil reservoir allows operation in any position*
  - *Single stage pumping*
MODEL No.

HP-700A

Rated pressure: 68.5 Mpa or 10,000 PSI

FEATURES

The HP-700A hand pump has a two speed pump piston for rapid advance and an external adjustable pressure setting up to 68.5 Mpa.

Our exclusive replaceable, bypass cartridge is standard in the HP-700A.

An internal oil bladder allows the HP-700A to be used in any position. (Even pump head upward)

SPECIFICATIONS

Oil delivery:
10.5 cc / stroke at low pressure
1.5 cc / stroke at high pressure

Reservoir capacity: 720 cc

SIZE

590 (L) x 130 (W) x 160 (H) mm

WEIGHT

9.6 kg

ACCESSORIES

2 m hydraulic hose attached

REMARKS

* Two stage pumping action for rapid ram advance
* Replaceable Dropout bypass valve cartridge for easy repair
* Economical yet dependable hand hydraulic pump
MODEL No. FP-700A

Rated pressure: 68.5 Mpa or 10,000 PSI

FEATURES
The FP-700A foot pump has a two speed pump piston for rapid advance and an external adjustable pressure setting up to 68.5Mpa.

Our exclusive replaceable, bypass cartridge is standard in the FP-700A.

An internal oil bladder allows the FP-700A to be used in any position. (Even pump head upward)

SPECIFICATIONS
Oil delivery:
10.5 cc / stroke at low pressure
1.5 cc / stroke at high pressure

Reservoir capacity: 720 cc

SIZE
690 (L) x 150 (W) x 180 (H) mm

WEIGHT
10.8 kg

REMARKS
Hydraulic hose sold separately.

* Two stage pumping action for rapid ram advance
* Replaceable Dropout bypass valve cartridge for easy repair
* Economical yet dependable foot operated hydraulic pump
The R14E-F1 remote operated pump gives the operator complete control. Push buttons permit the operator to advance and retract at will. The operator is never committed to a full cycle, and can always back off at any time during the advance even under pressure. This feature increases efficiency because cuts and crimps can be adjusted as necessary, simply by stopping the advance or retract mode.

The electric motor shuts off when UP button is released and the pressure reaches to preset valve, of 68.5Mpa. The ram can be retracted while DOWN button is depressed.

A 3 meter remote control cable provides both safety and convenience. The operator can set up an operation and then move away from the work site before engaging the tool.

**SPECIFICATIONS**

- Oil delivery (50Hz):
  - 2.9 liter / min at low pressure
  - 0.3 liter / min at high pressure

- Input: Single phase 50 / 60 Hz 120 V or 220 V 340 W motor

- Reservoir capacity: 2 liter

**SIZE**

- 250 (L) x 160 (W) x 355 (H) mm

**WEIGHT**

- 16.5 kg (14.5 kg dry)

**ACCESSORIES**

- 2 m hydraulic hose attached

**FEATURES**

- Two stage pumping system for rapid advance
- Adjustable output pressure to 68.5 Mpa
- 360 degree swivel joint for hose maneuverability
- Visual oil level
- Durable steel cover
- Wired remote control
**FEATURES**

The R14E-A1 is a fully remote controlled, single acting, 68.5 Mpa, electric pump. The two button hand held remote control allows the operator to advance, hold or retract at any time. When 68.5 Mpa is reached, the pump will automatically shut off and hold the pressure until the operator pushes the release button to retract the tool.

There is an auto cycle switch that allows the operator to push the advance button once and the pump automatically advances, runs to 68.5 Mpa, and releases. This feature is convenient where operation is repeated several times.

**SPECIFICATIONS**

- **Oil delivery (50Hz):**
  - 1.7 liter / min at low pressure
  - 0.4 liter / min at high pressure

- **Input:** Single phase 50 / 60 Hz 120 V or 220 V 550 W motor

- **Reservoir capacity:** 3 liter

**SIZE**

- 350 (L) x 330 (W) x 420 (H) mm

**WEIGHT**

- 32.5 kg (29.5 kg dry)

**ACCESSORIES**

- Remote control switch

**REMARKS**

Hydraulic hose sold separately.

- Fully remote controlled
- Visual oil level
- 3/4 HP heavy duty motor
- Durable steel construction with built-in carrying handle
- Auto cycle mode
- Low amperage requirement
The HPE-2A single acting gasoline engine driven hydraulic pump is the most sophisticated engine pump on today's market. It builds pressure to 68.5 Mpa automatically and returns engine RPM to an idle. Wired remote control allows operator complete control. Oil volume is large enough to operate a 60 ton class single acting compression head.

The FUJI HEAVY’S four cycle engine EH09-2D is used with this Pump. This engine meets emission control in accordance with EPA Phase2 and CARB Tier2. And this engine improves fuel cost by 15% in comparison with former EY08D engine on the HPE-1A.

FEATURES

SPECIFICATIONS

Oil delivery:
2.6 liter / min at low pressure
0.5 liter / min at high pressure

Engine:
Air cooled
4 cycle gasoline engine
1.5kw (2.0 ps) / 3,600 rpm, leadfree gasoline

Reservoir capacity: 2.2 liter

SIZE

470 (L) x 330 (W) x 443 (H) mm

WEIGHT

33.5kg (30kg dry)

ACCESSORIES

Remote control switch,
Spark plug wrench

REMARKS

Hydraulic hose sold separately.

* Remote control operation
* Pole mounting bracket as a standard accessory
* Visual oil level
* External air vent and oil level
* Compact design
* Dependable Fuji Heavy's engine
* For single acting tools
Rated pressure: 68.5 Mpa or 10,000 PSI

**FEATURES**

The HPE-2D double acting gasoline engine driven hydraulic pump is the most sophisticated pump on today's market. It builds pressure to 68.5 Mpa automatically and returns engine RPM to an idle.

Wired remote control allows operator complete control. Oil volume is large enough to operate a 100 ton class double acting compression head for intermittent use.

The FUJI HEAVY'S four cycle engine EH09-2D is used with this Pump. This engine meets emission control in accordance with EPA Phase2 and CARB Tier2.

And this engine improves fuel cost by 15% in comparison with former EY08D engine on the HPE-1D.

**SPECIFICATIONS**

- Oil delivery:
  - 2.6 liter / min at low pressure
  - 0.35 liter / min at high pressure

- Engine: Air cooled
  - 4 cycle gasoline engine
  - 1.5kw (2.0 ps) / 3,600 rpm, leadfree gasoline
  - Reservoir capacity: 2.2 liter

- Oil delivery:
  - 2.6 liter / min at low pressure
  - 0.35 liter / min at high pressure

- Engine: Air cooled
  - 4 cycle gasoline engine
  - 1.5kw (2.0 ps) / 3,600 rpm, leadfree gasoline
  - Reservoir capacity: 2.2 liter

**SIZE**

- 530 (L) x 330 (W) x 443 (H) mm

**WEIGHT**

- 37.5 kg (34.0 kg dry)

**ACCESSORIES**

- Remote control switch,
- Spark plug wrench

**REMARKS**

- Hydraulic hose sold separately.
  - Remote control operation
  - Visual oil level
  - External air vent and oil level
  - Compact design
  - Solenoid operated 4 way valve (For double acting tools)
  - Dependable Fuji Heavy's engine
**MODEL No.**

**HPE-4**

Rated pressure: 68.5 Mpa or 10,000 PSI

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**FEATURES**

The HPE-4 is a **double acting** engine driven hydraulic pump suitable for double acting presses for transmission line use.

This pump is one of the most sophisticated on today's market. It builds pressure to 68.5 Mpa automatically, and returns the engine RPM to an idle. The push button will control the fluid flow at the discretion of the operator. There is also a manual mode on the pump that can be used to override the remote control.

Electric circuit boards are completely modulated for easy replacement and repair.

The FUJI HEAVY’S four cycle engine EX-13 is used with this Pump. This engine meets emission control in accordance with EPA Phase2 and CARB Tier2. And this engine reduces level by 2 dBA in comparison with former EY15 engine on the HPE-3.

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**SPECIFICATIONS**

- **Oil delivery:**
  - 7.5 liter / min at low pressure
  - 1.2 liter / min at high pressure

- **Engine:**
  - Air cooled 4 cycle gasoline engine
  - 2.2kw (3.0 ps) / 3,600 rpm, leadfree gasoline
  - Reservoir capacity: 10 liter

- **Oil delivery:**
  - 7.5 liter / min at low pressure
  - 1.2 liter / min at high pressure

- **Engine:**
  - Air cooled 4 cycle gasoline engine
  - 2.2kw (3.0 ps) / 3,600 rpm, leadfree gasoline
  - Reservoir capacity: 10 liter

---

**SIZE**

665 (L) x 405 (W) x 445 (H) mm

**WEIGHT**

60.0 kg (50.0 kg dry)

**ACCESSORIES**

- Remote control switch
- Spark plug wrench

**REMARKS**

- Hydraulic hose sold separately.

- Wired remote control operation with manual control lever

- Auto operation allows fully automatic compression work, advance-68.5 Mpa-retraction of ram, by just pressing UP button once on the remote control switch

- Compression counter to monitor compression cycles for the remainder of maintenance schedule

- Pressure gauge for easy output confirmation

- Reliable output by FUJI HEAVY’s engine

- For double acting tools
MODEL No.
HPE-4M

Rated pressure : 68.5 Mpa or 10,000 PSI
Engine Driven Pump for 60,100 & 200 ton presses

SPECIFICATIONS
Oil delivery :
7.5 liter/min at low pressure
1.2 liter/min at high pressure

Engine : Air cooled
4 cycle gasoline engine
2.2kw (3.0 ps) / 3,600 rpm, leadfree gasoline
Reservoir capacity : 10 liter

FEATURES
The HPE-4M is a manual controlled engine driven hydraulic pump suitable for single and double acting presses for transmission line use.

- The manual control valve permits the user to advance, hold and retract the ram at will. It works for both single and double acting presses.
- Simple design and positive manual control valve is ideal for high voltage construction site where electric magnetic field becomes concern.

Valve Mode & Operation
UP: the ram advances and pressure goes up to 68.5Mpa. Then the relief valve functions.
NEUTRAL: the ram stops and holds its position
DOWN: the ram retracts to its lowest point.
(Single and double acting presses) Then the pump builds up pressure to 13.7Mpa and the relief valve functions.
(Double acting press)

The FUJI HEAVY’S four cycle engine EX-13 is used with this Pump. This engine meets emission control in accordance with EPA Phase2 and CARB Tier2. And this engine reduces level by 2 dBA in comparison with former EY15 engine on the HPE-3M.

SIZE
670(L) x 405(W) x 475(H) mm

WEIGHT
60 kg (50 kg dry)

ACCESSORIES
Spark plug wrench

REMARKS
Hydraulic hose sold separately.
- For double and single acting tools
- Positive manual control valve
- Relief valve for advance (68.5Mpa) and retract (13.7Mpa)
- Pressure gauge for easy output confirmation
- Reliable output by FUJI HEAVY’S engine
- Maximum hose length 20 meter
- Relief valve setting
  - UP: 68.5Mpa
  - DOWN:13.7Mpa
MODEL No.

**SH-10(A)P**

**SH-10(B)P**

Up to 104 mm diameter hole perforation on 3.2 mm thickness mild steel

### FEATURES

Selection Chart:

<table>
<thead>
<tr>
<th>SH-10 (A) P</th>
<th>SH-10 (B) P</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 HP-180N Hand Pump</td>
<td>1 HP-180N Hand Pump</td>
</tr>
<tr>
<td>2 Setting threads (3/8&quot; &amp; 3/4&quot;)</td>
<td>2 Setting threads (3/8&quot; &amp; 3/4&quot;)</td>
</tr>
<tr>
<td>3 Collar (Large, Medium, Small)</td>
<td>3 Collar (Large, Medium, Small)</td>
</tr>
<tr>
<td>4 Steel carrying case</td>
<td>4 Steel carrying case</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- Punching capacity
  - Stainless Steel: 1.6 mm plate thickness
  - Mild steel: 3.2 mm plate thickness
  - Hole diameter:
    - up to 104 mm (4 inch) es

- Ram Stroke: 25 mm
- Oil volume required: 35 cc
- Output force: 81 kN at 68.5 Mpa pressure

### SIZE

- 63 (Dia) x 125 (H) mm

### WEIGHT

- 1.9 kg

### ACCESSORIES

- Milli size punch sets are available on request:
  - M15, 16, 25, 30, 35, 40, 45, 50, 55, 57, 67, 70, 80, 82, 87, 95, 100, 108, 110

### REMARKS

Punching size

<table>
<thead>
<tr>
<th>Punch</th>
<th>Hole size</th>
</tr>
</thead>
<tbody>
<tr>
<td>A15*</td>
<td>17.6 mm</td>
</tr>
<tr>
<td>A19 (3 / 4)</td>
<td>19.8 mm</td>
</tr>
<tr>
<td>A25 (1)</td>
<td>26.1 mm</td>
</tr>
<tr>
<td>A31 (1 1/4)</td>
<td>32.5 mm</td>
</tr>
<tr>
<td>A39 (1 1/2)</td>
<td>38.7 mm</td>
</tr>
<tr>
<td>A51 (2)</td>
<td>51.6 mm</td>
</tr>
<tr>
<td>A63 (2 1/2)*</td>
<td>64.4 mm</td>
</tr>
<tr>
<td>A75 (3)*</td>
<td>77.2 mm</td>
</tr>
<tr>
<td>B16 (1 / 2)</td>
<td>21.8 mm</td>
</tr>
<tr>
<td>B22 (3 / 4)</td>
<td>27.6 mm</td>
</tr>
<tr>
<td>B28 (1)</td>
<td>34.1 mm</td>
</tr>
<tr>
<td>B36 (1 1/4)</td>
<td>42.7 mm</td>
</tr>
<tr>
<td>B42 (1 1/2)</td>
<td>48.7 mm</td>
</tr>
<tr>
<td>B54 (2)</td>
<td>60.5 mm</td>
</tr>
<tr>
<td>B70 (2 1/2)*</td>
<td>76.1 mm</td>
</tr>
<tr>
<td>B82 (3)*</td>
<td>88.9 mm</td>
</tr>
<tr>
<td>B92 (3 1/2)*</td>
<td>102.8 mm</td>
</tr>
<tr>
<td>B104 (4)*</td>
<td>115.5 mm</td>
</tr>
</tbody>
</table>

(*>) marks show optional punch set available

---

**SH-10 (A)P** shown with carrying case
**MODEL No.**

**SH-5PDG**

Punching capacity: 115.5mm diameter hole on 3.2mm thickness mild steel

**SPECIFICATIONS**

- Reservoir capacity: 40 cc
- Output force: 50 kN

**SIZE**

353 (L) mm

**WEIGHT**

2.4 kg

**ACCESSORIES**

Steel carrying case.

**FEATURES**

The SH-5PDG is a portable hand hydraulic punch with swivel head for easy access to tight quarters.

It gives clean perforation through 3.2mm thick mild steel with a 4 inch hole.

**SH-5PDG CONTENTS**

1. SH-5PDG Hand hydraulic punch
2. Set bolts (3/8", 3/4")
3. Collars (Large, Medium, Small, Ex-small)
4. Steel carrying case

**SH-5PDG PUNCH SET**

1. SH-5PDG (A) SET: with A19-51 punch
2. SH-5PDG (B) SET: with B16-51 punch

**REMARKS**

* Self-contained hand hydraulic punch
* Punching head rotates through 360 degrees for easy access in tight quarters
* Slim design
* Details information of punch is shown on page of SH-10

**APPLICABLE PUNCH**

* A19-A75
* B16-B104
MODEL No. **SH-70B**

**Punching capacity:** 20.5 mm diameter hole on 13 mm thickness mild steel

**SPECIFICATIONS**
- **Throat depth:** 70 mm
- **Oil volume required:** 82 cc
- **Output force:** 304 kN at 68.5 Mpa pressure

**SIZE**
- 360 (H) x 210 (W) x 95 (D) mm

**WEIGHT**
- 14.0 kg

**ACCESSORIES**
- Punch & Die for mild steel: 10.5, 13.5, 17.5, 20.5 mm diameter, Hand pin, Steel carrying case

**FEATURES**
- The portable SH-70B punch was designed to punch holes through 13 mm mild steel, aluminum and copper.

- A stripper guide extends on either side of the ram to strip the material after punching. This powerful punch will operate from any 68.5Mpa (10,000 PSI) hydraulic pump.

- The SH-70B comes complete with four sets of punch and die sizes for 3/8", 1/2", 5/8" and 3/4" bolts, hand pin, carrying case.

**REMARKS**
- * Powerful perforation up to 13 mm thick mild steel with a 20.5 mm maximum hole
- * Recommended for angle iron, plates, beams and bus bars
- * Stripper guide extends to grip material before punching so that bending and binding or slippage can be avoided
- * Stripper guide clamps punch in place to free operator’s hands
- * 70 mm throat depth allows commonly used angle iron
- * New fixed Support stand

**Optional punch & die**
- For copper & Aluminum: Cu6, Cu7, Cu8, Cu9, Cu10, Cu10.5, Cu11, Cu12, Cu13.5, Cu17.5, Cu20.5
- For mild steel (every other mm): S6-S19
**MODEL No.**
PB-10N

**Thin steel conduit (A):**
- A15 (5/8) - A75 (3)

**Thick steel conduit (B):**
- B16 (1/2) - B82 (3)

**Gas pipe (SGP):**
- SGP15 (1/2) - SGP65 (2 1/2)

---

**FEATURES**

The PB-10N was designed to bend various sizes and various thickness of steel pipes without wrinkles.

An aluminum alloy frame makes this bender lighter so that it can be easily carried to the job site.

Bending shoes are designed to bend JIS standardized conduit pipe and gas pipe listed in left chart. If the pipe outer diameter being bent is equivalent to the one from the chart, the shoe can be used for the application.

---

**SPECIFICATIONS**

- Oil volume required: 400 cc
- Output force: 108 kN
- Ram stroke: 250mm

---

**SIZE**

780 (W) mm

**WEIGHT**

15 kg: W/O PIVOT SHOES and BENDER SHOE

---

**ACCESSORIES**

Frame, Cylinder, Pivot shoes (2 pieces), Angle gauge

---

**REFERENCES**

Hydraulic pump & Bending shoes are sold separately.

**REMARKS**

Bending Shoe
- Thin conduit (A)
- Thick conduit (B)
- Gas pipe (SGP)

<table>
<thead>
<tr>
<th>Size</th>
<th>Pipe dia</th>
<th>Size</th>
<th>Pipe dia</th>
</tr>
</thead>
<tbody>
<tr>
<td>A15</td>
<td>15.9</td>
<td>B42</td>
<td>47.8</td>
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<tr>
<td>A19</td>
<td>19.1</td>
<td>B54</td>
<td>59.6</td>
</tr>
<tr>
<td>A25</td>
<td>25.4</td>
<td>B70</td>
<td>75.2</td>
</tr>
<tr>
<td>A31</td>
<td>31.8</td>
<td>B82</td>
<td>87.9</td>
</tr>
<tr>
<td>A39</td>
<td>38.1</td>
<td>SGP-15</td>
<td>21.7</td>
</tr>
<tr>
<td>A51</td>
<td>50.8</td>
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<td>33.3</td>
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</tr>
<tr>
<td>B36</td>
<td>41.9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MODEL No. **PB-15N**

**Thin steel conduit (A)**: A15 (5/8) - A75 (3)
**Thick steel conduit (B)**: B16 (1/2) - B104 (4)
**Gas pipe (SGP)**: SGP15 (1/2) - SGP100 (4)

---

**EXAMPLE OF BENDING SHOES**

**Thin steel conduit (A)**
- A15: 15.8 mm
- A19: 19.1 mm
- A25: 25.4 mm
- A31: 31.8 mm
- A39: 38.1 mm
- A51: 50.8 mm
- A63: 63.5 mm
- A75: 76.2 mm

**Thick steel conduit (B)**
- B16: 21.0 mm
- B22: 26.5 mm
- B28: 33.3 mm
- B36: 41.9 mm
- B42: 47.8 mm
- B54: 59.6 mm

**Gas pipe (SGP)**
- SGP-15: 15.9 mm
- SGP-20: 20.8 mm
- SGP-25: 25.4 mm
- SGP-32: 32.2 mm
- SGP-40: 40.6 mm
- SGP-50: 50.8 mm
- SGP-65: 65.0 mm
- SGP-80: 80.6 mm
- SGP-90: 90.4 mm
- SGP-100: 100.7 mm

---

**SPECIFICATIONS**

- Oil volume required: 595 cc
- Output force: 162 kN
- Ram stroke: 250 mm

**SIZE**

- 900 (W) mm

**WEIGHT**

- 23 kg: W/O PIVOT SHOES and BENDER SHOE

**ACCESSORIES**

- Frame, Cylinder, Pivot shoes (2 pieces), Angle gauge

---

**FEATURES**

The PB-15N was designed to bend various sizes and various thickness of steel pipes without wrinkles.

An aluminum alloy frame makes this bender lighter so that it can be easily carried to the job site.

Bending shoes are designed to bend JIS standardized conduit pipe and gas pipe listed in right chart. If the pipe outer diameter being bent is equivalent to the one from the chart, the shoe can be used for the application.

---

**REMARKS**

Hydraulic pump & Bending shoes are sold separately

Bending Shoe
- Thin conduit (A)
- Thick conduit (B)
- Gas pipe (SGP)

<table>
<thead>
<tr>
<th>Size</th>
<th>Pipe dia</th>
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</tr>
</thead>
<tbody>
<tr>
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<td>19.1</td>
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<td>B104</td>
<td>113.4</td>
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<tr>
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<td>38.1</td>
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<tr>
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<td>SGP-25</td>
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<td>33.3</td>
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<td>76.3</td>
</tr>
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<td>B36</td>
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<td>89.1</td>
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<td>B42</td>
<td>47.8</td>
<td>SGP-90</td>
<td>101.6</td>
</tr>
<tr>
<td>B54</td>
<td>59.6</td>
<td>SGP-100</td>
<td>114.3</td>
</tr>
</tbody>
</table>

---

Example of bending shoes
Peels insulation jacket of the conductor

SPECIFICATIONS
10 mm to 32 mm O.D. insulated cable (Vinyl or polyethylene jackets) with insulation thickness of 1.5 mm to 3 mm

SIZE
80 (W) x 200 (L) mm

WEIGHT
740 g

FEATURES
The NP-400 can peel insulation from a conductor with an O.D. of 10 to 32 mm and a maximum insulation thickness of 3 mm.

This tool will not work on semiconductors since the cutting blade uses a scoop design to pull insulation away from the wire strands.

It is most commonly used on jacketed aluminum and copper cables for both underground and overhead.

The NP-400 can handle mid-span peeling as well as cable end preparation. A simple rotation and hand force is all it takes to remove the jacket.

REMARKS
It is necessary to change the blade depth according to the insulation thickness.

Operating instructions:
1 Set the blade depth by rotating the adjusting knob.
2 Set the conductor in the peeler.
3 Start peeling by rotating the peeler around the conductor.
4 Apply hand force against the peeling direction to end the peeling.
MODEL No.
IZ-325A

Maximum cutting diameter: Nonferrous 33mm or 325mm² Cu Cable

**SPECIFICATIONS**

- Cuts up to 325mm² Cu cable
  - Light weight and compact
  - Clean square cutting
  - Easy cutting operation
  - Durable construction
  - Forged cutting cable
  - Reverse operation allowed

**SIZE**

- 260 (L) mm

**WEIGHT**

- 610 g

**FEATURES**

*IZ-325A shown with CV 325mm² Cu Cable*

IZ-325A Moving Blade Opened

The IZ-325A Ratchet Cable Cutter was designed to cut up to 325mm² or 33mm outer diameter Cu Cable.

The IZ-325A features light weight, easy to use and clean cutting of the material.

The cutter is equipped with the release mechanism so that the cutting can be backed out when necessary.

This economical ratchet cutter is ideal for an electrician's wiring preparation tool.

**REMARKS**

Cutting capacity:
- Nonferrous cables only.

Cutting material:
- Polyethylene cable
  - 600V-CV325mm² (31mm OD)
  - 600V-CV60mm² X 3 core (32mm OD)
- Multi-core vinyl insulation cable
  - VVR 60mm² X 3 core (33mm OD)
  - IV325mm² (29mm OD)

To release ratchet, push release lever downward.
Blade moves freely.
MODEL No. PG-325

Applicable to check inner pressure of hydraulic system

FEATURES
The PG-325 is the inline pressure gauge to check inline pressure of the hydraulic system.

It is placed between the hydraulic head and the pump by means of coupler connection.

When the hydraulic pump is activated, inner pressure increases and direct reading of inner pressure is obtained.

SPECIFICATIONS
Dial face up to 100 Mpa

SIZE
195 (L) x 105 (W) x 45 (D) mm

WEIGHT
1.5 kg

ACCESSORIES
Steel carrying case

REMARKS
IMPORTANT NOTE
Pressure adjustment of tools require calibrated pressure gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors or not cutting specified materials.
MODEL No.
PG-58

Applicable to check inner pressure of battery operated pistol type REC-5XXX series tools

SPECIFICATIONS
Dial face up to 100 MPa

SIZE
195 (L) x 105 (W) x 45 (D) mm

WEIGHT
1.0 kg

ACCESSORIES
Steel carrying case

FEATURES
The PG-58 was designed to measure the inner pressure of battery operated pistol type REC-5XXX series tools.

It is attached to the top of hydraulic body by removing the plug and replacing it with the PG-58.

When the tool is activated, inner pressure increases and direct reading of inner pressure is obtained.

Applicable Tools:
REC-S524, REC-S540, REC-585YC, REC-55PDF, REC-5630, REC-530Y, REC-5750, LIC-S524, LIC-S540, LIC-585YC, LIC-5630

REMARKS
IMPORTANT NOTE
Pressure adjustment of tools require calibrated pressure gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors or not cutting specified materials.
Applicable to check output force of:
6ton hydraulic compression tools.

**SPECIFICATIONS**

Dial face up to 80 kN

**SIZE**

250 (L) x 105 (W) x 45 (D) mm

**WEIGHT**

2.0 kg

**ACCESSORIES**

Steel carrying case
Test dies for REC-551F and CN-58A

**FEATURES**

The PG-15F force test gauge was designed to check output force of 6 ton compression tools. It comes complete with necessary test dies for force measurement.

Applicable Tools:
- ECO-50, REC-551F, 15B, CN-58A,
- REC-558U
- LIC-551F, LIC-558U

**REMARKS**

**IMPORTANT NOTE**
Output force adjustment of tools requires calibrated force test gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors.
MODEL No.  
PG-610B

Applicable to check output force of;  
12 ton and 15 ton hydraulic compression tools

**SPECIFICATIONS**

Dial face up to 176 kN

**SIZE**

250 (L) x 105 (W) x 25 (D) mm

**WEIGHT**

1.5 kg

**ACCESSORIES**

Steel carrying case  
Test dies (Blank dies for EP-410)

**FEATURES**

The PG-610B force test gauge was designed to measure output force up to 15 ton. It is used to calibrate 12 ton and 15 ton tools. It was designed to fit in all brand 12 ton tools, and is supplied with U type test dies. When 15 ton tool, EP-610HS2, is calibrated, U die adapter is necessary to adapt test dies.

The PG-610B comes complete with U type test dies and steel carrying case.

Applicable Tools:
EP-610HS-2, LP-430B  
REC-3410, REC-3430, REC-3510,  
REC-3610, REC-5431, REC-5510  
LIC-5431, LIC-5510

**REMARKS**

**IMPORTANT NOTE**
Output force adjustment of tools requires calibrated force test gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors.
Applicable to check output force of:
Dieless hydraulic crimping tools

**SPECIFICATIONS**
Dial face up to 80 kN

**SIZE**
250 (L) x 105 (W) x 45 (D) mm

**WEIGHT**
2.0 kg

**ACCESSORIES**
Steel carrying case
Height spacer for group of models

**FEATURES**
The PG-UC6 force test gauge was designed to check direct output force of dieless hydraulic crimping tools. It comes complete with height spacer for different models.

Applicable Tools:
- UC-6B, UC-6FT2
- REC-5630, REC-5750
- LIC-5630

**REMARKS**

**IMPORTANT NOTE**
Output force adjustment of tools requires calibrated force test gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of crimped connectors.
MODEL No.
PG-H130

Applicable to check output force of:
12ton type compression tools.

SPECIFICATIONS
Dial face up to 130 kN

SIZE
250 (L) x 105 (W) x 25 (D) mm

WEIGHT
1.5 kg

ACCESSORIES
Steel carrying case
Test dies

FEATURES
The PG-H130 force test gauge was designed to measure output force up to 12 ton. It is used to calibrate 12 ton tools. It was designed to fit in all brand 12 ton tools, and is supplied with U type test dies.

The PG-H130 comes complete with test dies and steel carrying case.

Applicable Tools:
EP-H130,
EP-H130H,
REC-3410, REC-3430, REC-3510,
REC-H5130, REC-5431,
REC-5510
LIC-5431, LIC-5510

REMARKS
IMPORTANT NOTE
Output force adjustment of tools requires calibrated force test gauge and appropriate tools to adjust the relief valve.

Improper adjustment may result in too high or too low of inner pressure.

Higher pressure may cause damage to the tool or seals.

Lower pressure results in insufficient tool output causing improper connection of compressed connectors.
Selection of Battery

All IZUMI battery tools can be custom ordered to include batteries and/or chargers.

See selection chart as below to specify selection code when ordering.
Ex. REC-5431
   Selection Code "CC"
   - CH-35EMC or CH-35R (1 piece)
   - BP-70E (2 pieces)

Selection Chart

<table>
<thead>
<tr>
<th>Battery</th>
<th>Charger</th>
<th>Quick Charger</th>
<th>Standard Charger</th>
<th>Quick DC Charger</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>CH-35R / CH-35EMC</td>
<td>CH-3FC2</td>
<td>CH-70DCH</td>
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<tr>
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</table>

Battery Charger and Battery Pack Compatibility chart. (Charge Time)

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<thead>
<tr>
<th>Input Voltage</th>
<th>BP-70E</th>
<th>BP-70EI</th>
<th>BP-70MH</th>
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<tbody>
<tr>
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Selection Chart of Compression Tools (6-15 ton)

Designed to accommodate hexagonal, circular shell and indent type dies for applying compression fittings to copper, aluminum and ACSR conductors.

<table>
<thead>
<tr>
<th>Category</th>
<th>6 ton</th>
<th>12 ton</th>
<th>15 ton</th>
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<tbody>
<tr>
<td>Ram Stroke (Jaw Opening)</td>
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<tr>
<td>BOARD OPERATED</td>
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<td>EP-510C</td>
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<td>REC-558U</td>
<td>REC-551F</td>
<td>REC-H5130</td>
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<td>P-DIES</td>
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<td>APPLICABLE COMPRESSION RANGE *</td>
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<td>Accepts Burndy W type dies and Keaney / Blackburn O type dies</td>
<td>&lt;Copper&gt; 10 to 150mm²</td>
<td>&lt;Copper Conductor&gt; upto 250mm²</td>
<td>&lt;Copper Conductor&gt; upto 400mm²</td>
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<tr>
<td>Accepts Burndy P dies &amp; U dies with P-U Adapter</td>
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IZUMI Compression Tools (30-200 ton class)

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<th>200 ton</th>
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<td>DOUBLE ACTING</td>
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<td>Dies</td>
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<tr>
<td>Compression Range</td>
<td>&lt;Copper&gt; 8mm² to 500mm²</td>
<td>up to 60mm O.D. Sleeve</td>
<td>&lt;Copper&gt; up to 64mm O.D. Sleeve</td>
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<td></td>
<td>&lt;Aluminum&gt; 30mm² to 590mm²</td>
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<td>&lt;Aluminum&gt; up to 71mm O.D. Sleeve</td>
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<td>&lt;Steel&gt; up to 32mm O.D. Sleeve</td>
<td>&lt;Steel&gt; up to 50mm O.D. Sleeve</td>
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<td>HPE-2D, HPE-4, HPE-4M</td>
<td>HPE-4, HPE-4M</td>
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# SELECTION CHART 《Maximum Cutting Capacity》

## Hand Hydraulic Cable Cutter

Cutting Capacity (Outer Diameter / mm)

<table>
<thead>
<tr>
<th>Model</th>
<th>Output (kN)</th>
<th>Wire Rope (Hemp-core)</th>
<th>Bars</th>
<th>Strands</th>
<th>Other Cables</th>
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<tr>
<td></td>
<td>6X7</td>
<td>6X12</td>
<td>6X19</td>
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<td>Soft Aluminium</td>
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* Single strand steel core only.
## Hand Hydraulic Cable Cutter

**Cutting Capacity (Outer Diameter / mm)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Output (kN)</th>
<th>6X7 (mm)</th>
<th>6X12 (mm)</th>
<th>6X19 (mm)</th>
<th>Soft Copper</th>
<th>Soft Aluminium</th>
<th>Soft Steel</th>
<th>Reinforcing</th>
<th>Bare Copper</th>
<th>Bare Aluminium</th>
<th>ACSR</th>
<th>1x7 Guy Steel Wire</th>
<th>1x19 Guy Steel Wire</th>
<th>Telephone cable (CCP)</th>
<th>Lead sheathed Cable (Telephone Cable)</th>
<th>Under ground cable</th>
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* Single strand steel core only.
## Hydraulic Hose Selection Chart

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= Applicable  
= Not Applicable
## Size of Conduit JIS standard type

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<th>② Inner Diameter</th>
<th>③ Wall Thickness</th>
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### Thick Conduit (B)

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(Conduit)
HYDRAULIC TOOL MECHANISM

1. Hand Hydraulic

Hand hydraulic tools function using the mechanism described below.

1. By raising the pump handle, the small piston draws oil from the reservoir into the small chamber. The amount of oil drawn from the reservoir is the same volume as the small piston displaces.

2. By lowering the pump handle, the same amount of oil drawn from the reservoir goes into the large chamber.

3. By repeating this operation, bigger piston moves upward.

1. By raising the pump handle, the small piston draws oil from the reservoir into the small chamber. The amount of oil drawn from the reservoir is the same volume as the small piston displaces.

2. By lowering the pump handle, the same amount of oil drawn from the reservoir goes into the large chamber.

3. By repeating this operation, bigger piston moves upward.

NOW LET'S CHECK THE OUTPUT DEVELOPED BY HANDLE FORCE \( f \)

Fig 2 describes Pascal's law and shows force acts on the small piston \( F' \) creates intensified force \( F \) at large piston.

The pressure inside of the vessel is the same at any location and shown as follows.

\[
P = \frac{\text{Force}}{\text{Area}} = \frac{F}{\frac{\pi D^2}{4}} = \frac{\pi D^2}{4} \frac{F'}{d^2}
\]

So, \( F \) is now shown as

\[
F = \frac{D^2}{d^2} F' \quad \cdots \cdots \quad (A)
\]

Now let's go back to Fig1 and apply Pascal's law.
Force acts on the small piston \( F' \) is shown as follows.

\[
F' \times L_1 = f \times L_2 \quad \text{so that} \quad F' = \frac{L_2}{L_1} f \quad \cdots \cdots \quad (B)
\]

And therefore, the developed force \( F \) of the large piston is shown below.

\[
F = \frac{D^2}{d^2} \frac{L_2}{L_1} f
\]
NOW LET’S CHECK THE PISTON MOVEMENT PER HANDLE STROKE

1. The oil volume suctioned by the small piston
   \( \frac{\pi}{4} d^2 \times \text{small piston movement} \)

2. This suctioned oil goes into the large chamber when the pump handle is lowered.
   (The amount of oil moved from the small to large chamber is the same.)
   \( \frac{\pi}{4} d^2 \times \text{small piston movement} = \frac{\pi}{4} D^2 \times \text{large piston movement} \)

Therefore, the large piston movement is shown below.

\[
\text{Large piston movement} = \frac{D^2}{d^2} \times \text{small piston movement}
\]

2. Remote Head (Pump Separate Type/Spring Return Type)

Remote head type hydraulic tools do not have a pumping mechanism, therefore, they require separate hydraulic pumps.

![Fig 3](image)

The output force of the head is determined by pump output pressure and all Izumi hydraulic pumps have an output pressure of 700 kgf/cm².

**TOOL OUTPUT FORCE = PISTON AREA X PUMP OUTPUT PRESSURE**

\[
\text{OUTPUT (kN)} = \frac{\pi D^2 \text{ (cm}^2\text{)}}{10} \times 68.5\text{Mpa}
\]

where \( D \) = piston diameter

3. Double Acting Tool

Double acting cylinder has no spring for piston retraction but has a pulling chamber. By supplying oil into the pulling chamber, the piston is forcibly retracted. The advantage of the double acting tool is this forced retracting mechanism and it has the following features.

![Fig 4](image)

1. Faster piston retraction compared to spring return system
2. No jamming for cutters
3. No connector binding for compression tools

To operate double acting tools, a hydraulic pump must have a 4 way 3 position directional control valve to change its oil flow. (For piston advancement the control valve sets the oil path to the pushing chamber, for piston retraction the control valve sets the path to the pulling chamber.)
4. The Relief Valve (Bypass Valve)

Most of our hydraulic tools are equipped with a relief valve except hand hydraulic cutters. This relief valve functions when oil pressure reaches 68.5 Mpa and bypasses oil to the reservoir. So, it regulates tool output each time tool functions.

For some compression tools and pumps, the relief valve is made into a cassette style so that a whole cassette can be replaced without disassembling the tool.

A schematic of the relief valve is shown in Fig 5.

5. Double Speed Pumping (Two Stage Pumping)

As mentioned in 1. Hand hydraulic, the piston movement is very little per handle stroke and it is sometimes very time consuming.

However, until the piston reaches the object being cut or compressed, there is not much force required. Therefore, the small piston(pump piston) can be made larger to advance the piston rapidly.

For this reason, there is a system called double speed pumping in which small and large pistons are made into one solid pump piston.

A schematic of the double pump piston is shown in Fig 6.

In Fig 6, the Control Valve is shown. This control valve is needed when the pumping stage changes from the large-pump-piston-stage to the small-pump-piston-stage.

When the pressure developed by the large pump piston reaches the preset pressure of the control valve, the valve(Ball) opens and oil drawn by the large pump piston bypasses to the reservoir through this valve. From this point on, no pumping is done by the large pump piston. Then only the small pump piston draws oil and starts building pressure to the high stage.

If the control valve does not exist, then pressure is built up in the large pump piston and it will reach a point that handle force will become greater than humanly possible.
BATTERY OPERATED HYDRAULIC TOOLS

Years of hydraulic crimping and cutting technology at Izumi invented a line of battery operated hydraulic tools. Izumi is the world’s first manufacturer to make hydraulic tools powered by rechargeable Ni-Cd battery. Mechanism of battery operated hydraulic tools is very simple. Manual pumping is replaced by reciprocating motion of pump piston driven by DC motor using cam action. Below diagram shows groups of parts consist of E-Robo tools.

APPLICATION HEAD: Application heads are usually the same heads used for hand hydraulic units like EP-410, 15B, 9H-150, S-20A etc. As a concept of REC tools, many of commonly used application heads will be adapted for REC tools to replace hand hydraulic units.

HYDRAULIC BODY: Hydraulic Body is to create 68.5 Mpa or 10,000 PSI of oil pressure in the cylinder to develop designated output tonnage of 5 to 12 tons. Hydraulic body has following four major valves as described in HYDRAULIC MECHANISM section in this catalogue. Suction, Exhaust, Release and Relief Valve. When repairing Hydraulic Body, keep in mind function of those four valves.

PUMP PISTON: Pump Piston connects Hydraulic body and Reduction Gear. And it receives reciprocation movement. Pumping is done by this Pump Piston reciprocation just like other hand hydraulic tools.

REDUCTION GEAR: Reduction Gear is driven by DC motor and reduces RPM to create sufficient force to push Pump Piston.

MOTOR: 14.4 Volt DC motor is powered by battery pack.

CIRCUIT BOARD: Circuit board senses supplied voltage and if it is too low, LED lights up to signal few crimp cycles remain by the battery. For 12 ton models, circuit board also controls release mechanism to push release valve electrically by cam action driven by separate drive motor.

SWITCH(ES): Switch(es) functions to turn the motor ON and OFF.

BATTERY: Nickel Cadmium battery.

Nickel-metal hydride battery.
Compression dies are a critical part of compressor component since they influence electric characteristics of jointed conductors. As a compression tool manufacturer, we are also involved with die making. However, due to various standards and various fittings by each manufacturer, we do not have our own standard to meet each manufacturer's fittings. With detailed customer's information, we try our best to make suitable dies.

The following is example of information we need to make custom dies.

1. Fitting catalog number as well as conductor size.
2. Recommended die number already exists by fitting manufacturer.
3. Fitting outer diameter and inner diameter.
4. Type of conductor to be jointed (Aluminum, Copper, ACSR, AAAC etc.)
5. Drawing of dies, groove dimension etc.

Usually fittings are compressed in an inscribed hexagon so that die across vertex distance equals to fitting outer diameter.

And compression ratio can be shown below.

\[
\text{Compression ratio: } \frac{\frac{3}{8} \sqrt{3} D^2}{\frac{\pi}{4} D^2} = 0.827
\]

However, there are many other ways of compression defined by each fitting manufacturer and some have their complete line of dies.
If customers wish to machine their own grooves, we are also ready to supply blank dies.

In any case dies are a very important part of compression tools. Please be aware of suggested die number by fitting manufacturer when fittings are purchased.

Next 6 pages show the list of dies available from Izumi. Equivalents indicated are closest equivalents and does not infer that they are identical, interchangeable or exact duplicates.

Izumi does not assume responsibility for error, omissions or subsequent changes.

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**EP-50 DIES**

**HEXAGONAL DIES FOR COPPER & ALUMINUM TERMINALS**
(Suitable for DIN 46235 TERMINALS)

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### EP-410 Dies [Hexagonal Dies]

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(Suitable for DIN 46235 TERMINALS)

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**HEXAGONAL DIES**  
(Suitable for TERMINALS wall thickness little less than DIN 46235 terminals)

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**HEXAGONAL DIES FOR COPPER TERMINALS**  
(Suitable for TERMINALS commonly used in South Asia)

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EP-60S DIES
ALCOA TYPE DIES (HEXAGONAL)

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<th>DIE NO.</th>
<th>A</th>
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<th>C</th>
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<tr>
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EP-610HS DIES

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<th>B</th>
<th>C</th>
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<tr>
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<td>28.4</td>
<td>29.4</td>
<td>12.49</td>
</tr>
<tr>
<td>HT31BR</td>
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<td>HT61BU</td>
<td></td>
<td>36.7</td>
<td>37.8</td>
<td>15.89</td>
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<tr>
<td>HT61BV</td>
<td></td>
<td>41.2</td>
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<td>18.49</td>
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HEXAGONAL DIES
FOR COPPER TERMINALS
Suitable Terminals wall thickness little less than Din 46235 Terminals.

<table>
<thead>
<tr>
<th>DIE NO.</th>
<th>Conductor size</th>
<th>O.D. of Lug</th>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>500</td>
<td>Cu 500</td>
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<td>Cu 630</td>
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DIES FOR H TYPs
Following Dies for H-TAP use are available.

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<th>N58</th>
<th>EP-410</th>
<th>EP-610HS1</th>
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<tr>
<td>HT58G (WBG)</td>
<td>HT41G (UBG)</td>
<td>HT61AC (PKR)</td>
</tr>
<tr>
<td>HT58AK (WO)</td>
<td>HT41AK (UO)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HT41V (UD)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HT41X (UD3)</td>
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<td></td>
<td>HT41AJ (UN)</td>
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128
EP-520C DIES [Hexagonal Dies]

DIES FOR COPPER CONDUCTOR (Suitable for JIS C2804 Terminals)

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<th>Die NO.</th>
<th>EP-520C</th>
<th>EP-1000A</th>
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</thead>
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<tr>
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<td>B</td>
</tr>
<tr>
<td>1000-64</td>
<td>64</td>
<td>27.71</td>
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<tr>
<td>725-850-56</td>
<td>56</td>
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<td>600-51</td>
<td>51</td>
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<td>400-500-47</td>
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<td>20.35</td>
<td>15</td>
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<tr>
<td>325-42</td>
<td>42</td>
<td>18.19</td>
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<td>15.59</td>
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<td>150-29</td>
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<td>12.56</td>
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<td>110-125-26</td>
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<td>11.26</td>
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<tr>
<td>75-100-23</td>
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<td>31</td>
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<tr>
<td>45-70-19</td>
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<td>8.23</td>
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DIES FOR ALUMINUM CONDUCTOR (Suitable for JIS C2804 Terminals)

<table>
<thead>
<tr>
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<th>EP-1000A</th>
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<tbody>
<tr>
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<td>30,38-16</td>
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DIE NO. has a following meaning.
(500–590-52 : 500–590 mm² conductor use, die across vertex distance is 52mm)
EP-100W/EP-200W DIES

FOR COPPER LUGS

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<tr>
<td>C19</td>
<td>19</td>
<td>8.2</td>
<td>60 –</td>
</tr>
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<td>C23</td>
<td>23</td>
<td>10.0</td>
<td>60 –</td>
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<tr>
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<td>26</td>
<td>11.3</td>
<td>60 –</td>
</tr>
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<td>C29</td>
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<td>12.6</td>
<td>60 –</td>
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<td>C32</td>
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</tr>
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<td>15.6</td>
<td>55 –</td>
</tr>
<tr>
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<td>16.5</td>
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FOR STEEL SLEEVES

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</tr>
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<td>S12</td>
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<td>40 –</td>
</tr>
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<td>S16</td>
<td>16</td>
<td>6.9</td>
<td>40 –</td>
</tr>
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<td>S18</td>
<td>18</td>
<td>7.8</td>
<td>35 –</td>
</tr>
<tr>
<td>S20</td>
<td>20</td>
<td>8.7</td>
<td>35 –</td>
</tr>
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<td>S22</td>
<td>22</td>
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<td>S23</td>
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FOR ALUMINUM SLEEVES

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<td>12.5</td>
<td>75/128</td>
</tr>
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<td>14.2</td>
<td>75/128</td>
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<td>A38</td>
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<td>16.0</td>
<td>75/128</td>
</tr>
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<td>42</td>
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<tr>
<td>A100</td>
<td>100</td>
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<td>– 128</td>
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</table>
To branch conductor from main run, compress IZUMI TAP-OFF CONNECTORS (C-CONNECTORS) by IZUMI COMPRESSION TOOLS exclusively designed for TAP-OFF purpose.

**COMPRESSION TOOLS FOR TAP-OFF CONNECTORS**

**No. 15B**
for up to T-122

**No. 16B**
for up to T-365

**EP-520C**
for up to T-700

---

### TECHNICAL DATA

<table>
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<tr>
<th>MODEL</th>
<th>TYPE</th>
<th>OUTPUT (kN)</th>
<th>WEIGHT (kgs)</th>
<th>LENGTH (mm)</th>
<th>APPLICABLE RANGE</th>
<th>DIES</th>
<th>STANDARD ACCESSORIES</th>
<th>REMARKS</th>
</tr>
</thead>
</table>

(*) Marks show OPTIONAL DIES (Available on request)
IZUMI TAP-OFF CONNECTOR (C-CONNECTOR)

The range of C-CONNECTORS are manufactured in ‘C’ shaped copper section for connection of main and tap copper conductors.

- Approved by NTT corporation
- Reliability is ensured by passing tests specified by JIS C 2810
- Suitable for connecting copper conductors in both indoor and outdoor such as wiring in building or wiring in tunnel
- Tin plated to avoid rusting

C-CONNECTOR SPECIFICATIONS

<table>
<thead>
<tr>
<th>Connector Size</th>
<th>Dimensions (mm)</th>
<th>Installation</th>
<th>Total sectional area of applicable wire</th>
<th>Per Package</th>
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<td>H2</td>
<td>W</td>
<td>L</td>
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<td>13</td>
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<td>10.9</td>
<td>16</td>
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<td>20</td>
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COMBINATION CHART (Applicable range & Tool to be used)

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Figures in Table show Connector Size T-

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