

# PVX1300

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- crimping tool on the next level, the crimping head is made from 100% recycled steel



**PVX1300**

The PVX1300 crimp pistol is the latest tool equipped with Elpress's patented DUAL technology. The tool is 100% reverse compatible and has been tested and approved for use together with Elpress B-dies and DUAL dies. One feature of the pistol is a display that gives you valuable information about your tool, e.g. number of performed crimps, battery status, service intervals, etc. The PVX1300 comes with a new ergonomic design & crimping head that offers you, the user, enhanced performance. The fork is made from 100% recycled steel and has been tested for quality and safety. The tool is supplied with a 2-year guarantee\*. There is also the possibility to set a "safety start"\*\*\* on the tool.

| PVX1300 contact crimps     |                        |                       |
|----------------------------|------------------------|-----------------------|
| Cu-conductor               | Al-conductor           | C-sleeves             |
| 10-400 mm <sup>2</sup> *** | 16-400 mm <sup>2</sup> | 6-120 mm <sup>2</sup> |

PVX1300 is available in different versions;

- PVX1300, delivered in a standard bag
- PVX1300DB (two batteries) delivered in a standard bag
- PVX1300-ADV, delivered in a easier-to-handle and shock-resistant bag.
- PVX1300DB-ADV (two batteries), delivered in a easier-to-handle and shock-resistant bag.
- CASE ADVANCED only the carry case



## PARTICULARS

- Better protection against dirt and dust ingress through tool chassis
- Ergonomic design that optimizes the balance of the tool in the users hand
- Rotatable crimp fork
- Crimp pressure control by electronic pressure monitoring
- Single handed grip for easy operation
- LED indication of charge status
- DUAL crimp technique
- "Quick boost" for more efficient crimping
- Digital display with information about the tool and service interval
- Tested together with Elpress B-dies (Bxx, 13Bxx) and DUAL-dies (13DBxx)
- Pressure monitoring information with signal and warning light (LED) when a correct pressure/full pressure is not achieved

## Elpress patented DUAL crimp technique

- The DUAL technique is to be used in demanding applications such as truck, wind turbine or train where the connectors except for electrical properties also shall fulfill demands of corrosion, mechanical strength and vibration.
- Meets the requirements of corrosion according to DIN V 40 046, part 37
- Static loads - Swedish Standard SEN 245010 provides relatively high loadlimits and is therefore useful in these applications
- Meets the requirements of vibration according to EN 50 155



\* 2-year guarantee if service/calibration is performed after the first year (or max. 10,000 cycles) at one of Elpress's authorised service stations.

\*\* Adjustable crimping operation start with optional one or two 'click' trigger for safer handling of the tool.

\*\*\* DV250 crimping head used for DUAL crimping 400 mm<sup>2</sup>.

# Accessories for crimping of Cu with PVX1300

## Crimp dies for hexagonal crimping of Cu terminals and connectors

Supplied as a pair. All dies type 13DBxx (DUAL) and 13Bxx are used without die holder.

All dies type Bxx are used with inner die holder V1316, and outer die holder V1318.

| KRF/KSF         |           |               |       |               |                 |               |
|-----------------|-----------|---------------|-------|---------------|-----------------|---------------|
| mm <sup>2</sup> | DUAL Dies | No. of crimps | Dies  | No. of crimps | Integrated dies | No. of crimps |
| 10              | 13DB8     | 1             | B8    | 1             | 13B8            | 1             |
| 16              | 13DB9     | 1             | B9    | 1             | 13B9            | 1             |
| 25              | 13DB11    | 1             | B11   | 1             | 13B11           | 1             |
| 35              | 13DB13    | 1             | B13   | 1             | 13B13           | 1             |
| 50              | 13DB14,5  | 1             | B14,5 | 1             | 13B14,5         | 1             |
| 70              | 13DB17    | 1             | B17   | 1             | 13B17           | 1             |
| 95              | 13DB20    | 1             | B20   | 1             | 13B20           | 1             |
| 120             | 13DB22    | 2             | B22   | 1             | 13B22           | 2             |
| 150             | 13DB25    | 2             | B25   | 1             | 13B25           | 2             |
| 185             | 13DB27    | 2             |       |               | 13B27           | 2             |
| 240             | 13DB30    | 2             |       |               | 13B30           | 2             |
| 300             | 13DB32    | 2             |       |               | 13B32           | 2             |
| 400             |           |               |       |               | 13B38           | 3             |



Die pair 13DB20



Integrated dies 13B38

| KRD/KSD         |      |               |                 |               | KRT/KST |               |                 |               |
|-----------------|------|---------------|-----------------|---------------|---------|---------------|-----------------|---------------|
| mm <sup>2</sup> | Dies | No. of crimps | Integrated dies | No. of crimps | Dies    | No. of crimps | Integrated dies | No. of crimps |
| 16              | B8   | 1             | 13B8            | 1             | B8,5    | 1             | -               | -             |
| 25              | B9   | 1             | 13B9            | 1             | B10     | 1             | 13B10           | 1             |
| 35              | B11  | 1             | 13B11           | 1             | B12     | 1             | 13B12           | 1             |
| 50              | B12  | 1             | 13B12           | 1             | B14     | 1             | 13B14           | 1             |
| 70              | B14  | 1             | 13B14           | 1             | B16     | 1             | 13B16           | 1             |
| 95              | B16  | 1             | 13B16           | 1             | B18     | 1             | 13B18           | 1             |
| 120             | B19  | 1             | 13B19           | 1             | B19     | 1             | 13B19           | 1             |
| 150             | B22  | 1             | 13B22           | 2             | B22     | 1             | 13B22           | 2             |
| 185             |      |               | 13B25           | 2             | B24     | 1             | 13B24           | 2             |
| 240             |      |               | 13B27           | 2             |         |               | 13B26           | 2             |
| 300             |      |               | 13B30           | 2             |         |               | 13B30           | 2             |
| 400             |      |               | 13B32           | 2             |         |               | 13B32           | 2             |



Die holder V1318 and V1316 with B-dies

## For oval crimping of Cu branch connectors (C-sleeves)

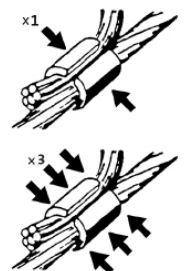
Supplied as a pair. All dies type BCxx are used with inner die holder V1316, and outer die holder V1318.

All dies type 13BCxx are used without die holder.

| Through conductor mm <sup>2</sup> | Branch mm <sup>2</sup> | mm <sup>2</sup> | Dies   | No. of crimps |
|-----------------------------------|------------------------|-----------------|--------|---------------|
| 6-16                              | 6-16                   | Total: 12-26    | BC5    | 1             |
| 5-25                              | 5-25                   | Total: 30-50    | BC6    | 1             |
| 6-50                              | 6-50                   | Total: 50-100   | BC8-9  | 1             |
| 25-120                            | 25-120                 | Total: 95-190   | 13BC13 | 3             |
| 25-185                            | 25-185                 | Total: 175-240  | 13BC15 | 3             |



Outer die holder V1318, BC-dies, inner die holder V1316.

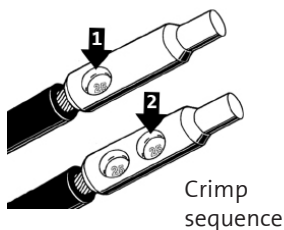


One and three crimps.

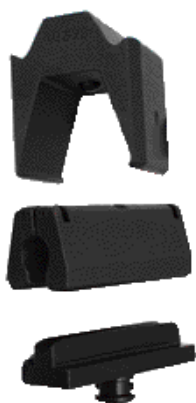
# Accessories for crimping of Al with PVX1300



Matrix holder V1320, matrix P13M, punch P13D.



Crimp sequence



Matrix holder V1320, matrix R6MR, punch 13R6DR.



Outer die holder V1318, BNP dies, inner die holder V1316.

## Punch and Matrix

For indent crimping of Al terminals and connectors.

For 16-150 (185 solid) mm<sup>2</sup>, matrix holder V1320, is used.

| Stranded mm <sup>2</sup> | Solid mm <sup>2</sup> | Matrix  | Punch |
|--------------------------|-----------------------|---------|-------|
| 16                       | 16(+25)               | P13M    | P13D  |
| 25                       | 35                    | P13M    | P13D  |
| 35                       | 50                    | P20M    | P20D  |
| 50                       | 70                    | P20M    | P20D  |
| 70                       | 95                    | P20M    | P20D  |
| 95                       | 120                   | P25M    | P25D  |
| 120                      | 150                   | P25M    | P25D  |
| 150                      | 185                   | P25M    | P25D  |
| 185                      | 240                   | 13P32M* | P32D  |
| 240                      |                       | 13P32M* | P32D  |

\*Used without matrix holder.

For indent crimping of Al terminals type AKKxxxB/AKSxxxB and connector type ASxxxB.

| Stranded mm <sup>2</sup> | Matrix  | Punch  |
|--------------------------|---------|--------|
| 300                      | 13P37M* | 13P37D |
| 400**                    | 13P37M* | 13P37D |

\*Used without matrix holder. \*\*XLPE-insulated cables must be reduced down to a maximum Ø32,5 mm by shaving or stripping. Always make two crimps.

For prerounding of sector shaped Al conductors.

Use matrix holder V1320.

| Stranded mm <sup>2</sup> | Solid mm <sup>2</sup> | Matrix  | Punch   |
|--------------------------|-----------------------|---------|---------|
| 16                       | 16(+25)               | R6MR    | 13R6DR  |
| 25                       | 35                    | R7MR    | 13R7DR  |
| 35                       | 50                    | R8MR    | 13R8DR  |
| 50                       | 70                    | R9MR    | 13R9DR  |
| 70                       | 95                    | R12MR   | 13R12DR |
| 95                       | 120                   | R13MR   | 13R13DR |
| 120                      | 150                   | R15MR   | 13R15DR |
| 150                      | 185                   | R16MR   | 13R16DR |
| 185                      | 240                   | 13R18MR | 13R18DR |
| 240                      |                       | 13R20MR | 13R20DR |

## Crimp dies

Supplied as a pair. For hexagonal crimping of connectors for overhead conductors of AlMgSi (Super B) and Al59.

| mm <sup>2</sup> | Inner die holder | Outer die holder | Dies   | No. of crimps |
|-----------------|------------------|------------------|--------|---------------|
| 31-62           | V1316            | V1318            | B16NP  | 2x5           |
| 99              | V1316            | V1318            | B20NP  | 2x5           |
| 157             |                  |                  | 13B26* | 2x16          |
| 241             |                  |                  | 13B32* | 2x16          |

\*Used without die holder.

Supplied as a pair. For hexagonal crimping of connectors for overhead ACSR conductors. Use inner die holder V1316 and outer die holder V1318.

| mm <sup>2</sup> | Dies steel connector | Dies Al-connector | No. of crimps |
|-----------------|----------------------|-------------------|---------------|
| 62              | B6FE                 | B16NP             | 2x5           |
| 99              | B8FE                 | B20NP             | 2x5           |