ELPRESS DUAL

PVX1300

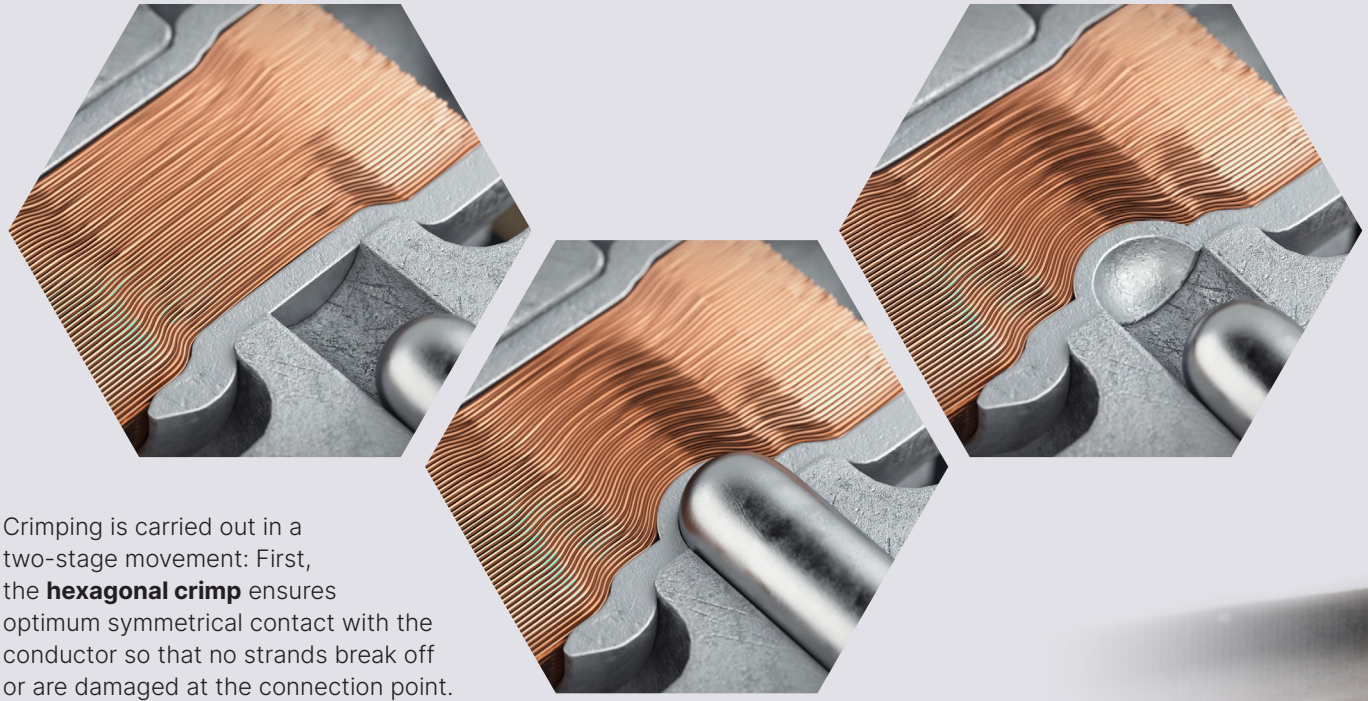
Power. Precision. Performance.

ELPRESS

DUAL - Developed and originally patented by Elpress.

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 - SEN 245010 provides relatively high loadlimits and is therefore useful in these applications
- Meets the requirements of vibration according to EN 50 155



Crimping is carried out in a two-stage movement: First, the **hexagonal crimp** ensures optimum symmetrical contact with the conductor so that no strands break off or are damaged at the connection point.

This is followed by the indent crimp, which improves the electrical properties by **up to 30%**.

PVX1300

The PVX1300 is a high-performance crimping tool built for professionals who value precision, durability and efficiency. Equipped with Elpress's DUAL technology, it delivers consistent crimping results and full compatibility with both Elpress **B-dies and DUAL dies**.

The ergonomic design and optimized crimping head offer outstanding balance and comfort in every application.
The fork, made from 100% recycled steel, is rigorously tested to meet Elpress's standards for quality and safety.

PVX1300 CONTACT CRIMPS

B-dies	10-400 mm²
DUAL	10-300 mm²
C-sleeves	6-185 mm²
Al contact crimping	16-400 mm²
Al pre-rounding	10-240 mm²

Why choose Elpress PVX1300

- ✓ display with information about the tool and service intervals
- ✓ crimp force control using pressure monitoring
- ✓ crimp monitoring with warning lamp (LED)
- ✓ crimp force 124 kN (13 ton)
- ✓ DUAL crimp technology
- ✓ ergonomic design
- ✓ fast-forward feed
- ✓ swivel fork

Standard solutions for PVX1300

mm² (Cu)	mm² (Stranded Al)	mm² (Solid Al)	Name	Crimp geometry	Note
10-400	16-400	16-240	PVX1300	Punch, Dual, Hexagonal, Oval	Delivered in Standard case
10-400	16-400	16-240	PVX1300DB	Punch, Dual, Hexagonal, Oval	Delivered in Standard case with 2 batteries
10-400	16-400	16-240	PVX1300-WOBC	Punch, Dual, Hexagonal, Oval	Delivered in Standard case without battery/charger
10-400	16-400	16-240	PVX1300-ADV	Punch, Dual, Hexagonal, Oval	Delivered in Case Advanced
10-400	16-400	16-240	PVX1300DB-ADV	Punch, Dual, Hexagonal, Oval	Delivered in Case Advanced with 2 batteries
10-400	16-400	16-240	PVX1300-WOBC-ADV	Punch, Dual, Hexagonal, Oval	Delivered in Case Advanced without battery/ charger

PVX1300

Delivered in Standard case.

PVX1300DB

Delivered in Standard case with 2 batteries.

PVX1300-WOBC

Delivered in Standard case without battery/charger.

PVX1300-ADV

Delivered in Case Advanced.

PVX1300DB-ADV

Delivered in Case Advanced with 2 batteries.

PVX1300-WOBC-ADV

Delivered in Case Advanced without battery/charger.

CASE ADVANCED

- Handles can withstand up to 30 kg.
- Compartment for easy storage of dies, matrices and punches.
  - Dies, matrices and punches are stored in an upper layer that is easily raised to access the crimping tool.
- Withstands temperatures from -30 °C up to +90 °C.
- The case can be locked with double padlocks.
- Pressure equalisation valve.
- IP67 (fully waterproof to a depth of 1 metre).
- STANAG4280, DEF-STAN 81-41 Certification.

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

mm²	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

Die holder V1318 and V1316 with B-dies

Integrated dies 13B38

KRD/KSD

mm²	Dies	No. of crimps	Integrated dies	No. of crimps
16	B8	1	13B8	1
25	B9	1	13B9	1
35	B11	1	13B11	1
50	B12	1	13B12	1
70	B14	1	13B14	1
95	B16	1	13B16	1
120	B19	1	13B19	1
150	B22	1	13B22	2
185			13B25	2
240			13B27	2
300			13B30	2
400			13B32	2

KRT/KST

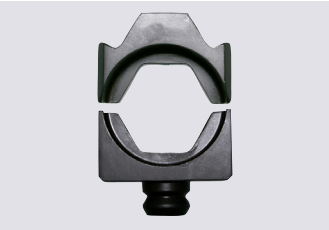
Dies	No. of crimps	Integrated dies	No. of crimps
B8,5	1	-	-
B10	1	13B10	1
B12	1	13B12	1
B14	1	13B14	1
B16	1	13B16	1
B18	1	13B18	1
B19	1	13B19	1
B22	1	13B22	2
B24	1	13B24	2
		13B26	2
		13B30	2
		13B32	2

DIN 46235

mm²	Dies	No. of crimps
10	B6DIN	1
16	B8DIN	1
25	B10DIN	1
35	B12DIN	1
50	B14DIN	1
70	B16DIN	1
95	B18DIN	1
120	B20DIN	1
150	B22DIN	1
185	13B25DIN	2
240	13B28DIN	2
300	13B32DIN	3

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

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



13BXXDIN

C-sleeves

Through conductor mm²	Branch mm²	mm²	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

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.

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

Accessories for crimping of Al with PVX1300

Punch and Matrix

For indent crimping of Al terminals and connectors.
For 16-150 (185 solid) mm², matrix holder V1320, is used.

Stranded mm²	Solid mm²	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.

Matrix holder V1320, matrix P13M, punch P13D.

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

Stranded mm²	Matrix	Punch
300	13P37M*	13P37D
400	13P37M*	13P37D

*Used without matrix holder.

Matrix 13P37M, punch 13P37D.

For prerounding of sector shaped Al conductors.
Use matrix holder V1320.

Stranded mm²	Solid mm²	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

Matrix holder V1320, matrix R6MR, punch 13R6DR.

Elpress AB . P.O. Box 186, SE-872 24 KRAMFORS, Sweden
Tel: +46 612-71 71 00
E-mail: sales@elpress.se | www.elpress.net

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