

DUAL SYSTEM for crimping flexible conductors in KRF/KSF terminals for demanding applications 10-400 mm²

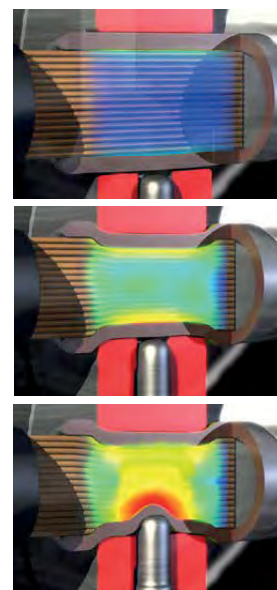


Properties:

- patented crimping
- for crimping of flexible Cu conductors according to IEC 60228, type class 5
- used with Elpress KRF/KSF terminals
- for extra harsh environments such as cars and trains, where the terminals in addition to electrical properties are also exposed to, for example, corrosion, mechanical durability and vibration
- meets IEC/EN 61238:1
- meets corrosion requirements according to DIN V 40 046-37
- meets the requirements for vibration according to EN 50 155
- meets the requirements of mechanical strength according to SEN 24 50 10

Crimping sequence

Contact crimping takes place in a two-stage movement, first a hexagonal crimping that provides optimal symmetrical contact with the conductor, which means that no wires are broken or come apart in the edge facing the connector. This is followed by indent crimping, which provides 30% better electrical properties.



PVX1300/PVX1300DB

Tested and certified battery-powered crimp gun for contact crimping Cu-terminals, type KR/KRT 10 mm², KS/KST 10 mm², KRF/KRD/KRT 16-400 mm², KSF/KSD/KST 16-400 mm², Al-terminals 16-400 mm² (-240 solid), DIN 46235 10-300 mm², C sleeves up to 240 mm² total area (C95-120).

Properties:

- ergonomic design ensures optimum balance in the user's hand
- crimp monitoring with warning light and signal when the correct pressure/full crimp is not achieved
- LED work lighting
- possibility of documentation of each crimp for unique service control
- crimp force 124 kN (13 tonnes)
- crimps/charging: 60-120 depending on size and temperature
- crimp time: 4-12s depending on size
- usage temperature -20°C to +40°C
- Li-Ion Makita, 5.0 Ah, 18V
- charger Li-Ion Makita, charging time 22 min 110-240VAC 50-60Hz
- DUAL: 10 - 300 mm²



90



Crimp geometries



mm ² (Cu)	mm ² (Stranded Al)	mm ² (Solid Al)	Name	Crimp geometry	Net weight (kg)	Length mm	Width	Height	Note
10-400	16-400	16-240	PVX1300	Punch, Dual, Hexagonal, Oval	6,7	412	319	75	Delivered in standard case
10-400	16-400	16-240	PVX1300DB	Punch, Dual, Hexagonal, Oval	7,3	412	319	75	Delivered with 2 batteries
10-400	16-400	16-240	PVX1300-ADV	Punch, Dual, Hexagonal, Oval	14,2	412	319	75	Delivered in CASE ADV.
10-400	16-400	16-240	PVX1300DB-ADV	Punch, Dual, Hexagonal, Oval	14,2	412	319	75	Delivered with 2 batteries and CASE ADV.
10-400	16-400	16-240	PVX1300-WOBC-ADV	Punch, Dual, Hexagonal, Oval	12,4	412	319	75	Delivered in CASE ADV. and without Battery/Charger
10-300	16-400	16-240	PVX1300-US	Punch, Dual, Hexagonal, Oval	6,7	412	319	75	Delivered with battery and US-charger
10-300	16-400	16-240	PVX1300DB-US	Punch, Dual, Hexagonal, Oval	7,3	412	319	75	Delivered with 2 batteries and US-charger
10-400	16-400	16-240	PVX1300-WOBC	Punch, Dual, Hexagonal, Oval	4,8	412	319	75	Delivered without Battery/Charger

Accessories for crimping Cu flexible conductors with DUAL system DV1300, DV1300C2, PVX1300, PVX1300C2 and DV250

Crimp dies for DV1300 och PVX1300

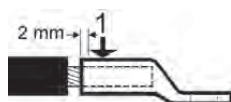
Supplied in pairs.

For Cu-terminals, type KR/KRF and KS/KSF and flexible Cu conductors.

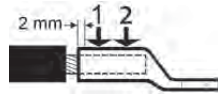
No die holders are needed.



Die pair 13DB20.



Crimp sequence for one crimp.



Crimp sequence for two crimps.

mm ²	Name	Number of crimps	Net weight (kg)
10	13DB8	1	0,448
16	13DB9	1	0,447
25	13DB11	1	0,462
35	13DB13	1	0,477
50	13DB14,5	1	0,480
70	13DB17	1	0,486
95	13DB20	1	0,484
120	13DB22	2	0,441
150	13DB25	2	0,440
185	13DB27	2	0,443
240	13DB30	2	0,453
300	13DB32	2	0,428

Crimp dies for DV1300C2 and PVX1300C2

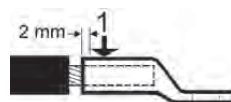
Supplied in pairs.

For Cu-terminals, type KR/KRF and KS/KSF and flexible Cu conductors.

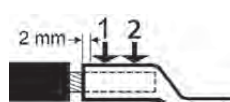
No die holders are needed.



Die pair 13DCB20.



Crimp sequence for one crimp.



Crimp sequence for two crimps.

mm ²	Name	Number of crimps	Net weight (kg)
10	13DCB8	1	0,456
16	13DCB9	1	0,440
25	13DCB11	1	0,465
35	13DCB13	1	0,486
50	13DCB14,5	1	0,497
70	13DCB17	1	0,503
95	13DCB20	1	0,507
120	13DCB22	2	0,450
150	13DCB25	2	0,498
185	13DCB27	2	0,514
240	13DCB30	2	0,534
300	13DCB32	2	0,490

Accessories for crimping Cu with V1300, V1311-A and PVX1300

The B dies below are intended for Cu-terminals, type KR/KRF and KS/KSF, together with both stranded, multi-stranded and very flexible Cu conductors of Class 2, 5 and 6 respectively according to IEC 60228. For multi-stranded (Class 5) Cu conductors, crimping is recommended with the Dual system. KR/KSD and KRT/KST are only used for stranded (Class 2) Cu conductors.

Crimp dies for KRF/KSF

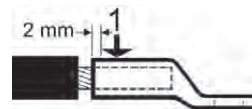
For Cu-terminals, hexagonal crimping. Supplied in pairs.
The B dies below are intended for Cu-terminals, type KR/KRF and KS/KSF, together with Cu conductors according to IEC 60228. For multi-stranded (Class 5) and very flexible (Class 6) Cu conductors, crimping with the Dual system is recommended.
Use inner die holder **V1316** and outer die holder **V1318**.



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



Integrated dies 13B32.



Crimp sequence for one crimp.

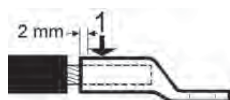
mm ²	Name	Number of crimps	Net weight (kg)
10	B8	1	0,101
16	B9	1	0,103
25	B11	1	0,109
35	B13	1	0,113
50	B14,5	1	0,111
70	B17	1	0,107
95	B20	1	0,115
120	B22	1	0,148
150	B25	1	0,135

Crimp dies for KRF/KSF (integrated)

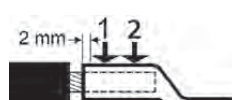
For Cu-terminals, hexagonal crimping. Supplied in pairs.
The integrated B dies below are intended for Cu-terminals, type KR/KRF and KS/KSF, together with Cu conductors according to IEC 60228.
For multi-stranded (Class 5) and very flexible (Class 6) Cu conductors, crimping with the Dual system is recommended.
Used without a die holder.



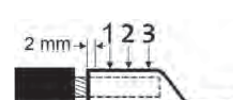
Integrated dies 13B32.



Crimp sequence for one crimp.



Crimp sequence for two crimps.



Crimp sequence for three crimps.

mm ²	Name	Number of crimps	Net weight (kg)
10	13B8	1	0,438
16	13B9	1	0,445
25	13B11	1	0,460
35	13B13	1	0,475
50	13B14,5	1	0,471
70	13B17	1	0,465
95	13B20	1	0,473
120	13B22	2	0,421
150	13B25	2	0,422
185	13B27	2	0,419
240	13B30	2	0,413
300	13B32	2	0,408
400	13B38	3	0,308

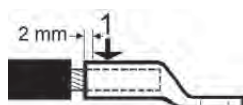
96

Crimp dies for KRD/KSD

For Cu-terminals, hexagonal crimping. Supplied in pairs.
The B dies below are intended for Cu-terminals, type KRD and KSD, together with Cu conductors class 2 according to IEC 60228.
Use inner die holder **V1316** and outer die holder **V1318**.



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



Crimp sequence for one crimp.

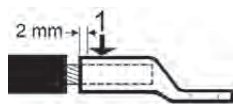
mm ² KRD/KSD	Name	Number of crimps	Net weight (kg)	Die holder required
16	B8	1	0,101	Yes
25	B9	1	0,103	Yes
35	B11	1	0,109	Yes
50	B12	1	0,108	Yes
70	B14	1	0,112	Yes
95	B16	1	0,107	Yes
120	B19	1	0,118	Yes
150	B22	1	0,148	Yes

Crimp dies for KRD/KSD (integrated)

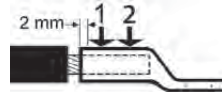
For Cu-terminals, hexagonal crimping. Supplied in pairs.
The integrated B dies below are intended for Cu-terminals, type KRD and KSD, together with Cu conductors Class 2 according to IEC 60228. Used without a die holder.



Integrated dies 13B32.



Crimp sequence for one crimp.



Crimp sequence for two crimps.

mm ² KRD/KSD	Name	Number of crimps	Net weight (kg)
16	13B8	1	0,438
25	13B9	1	0,445
35	13B11	1	0,460
50	13B12	1	0,457
70	13B14	1	0,471
95	13B16	1	0,466
120	13B19	1	0,476
150	13B22	2	0,421
185	13B25	2	0,422
240	13B27	2	0,419
300	13B30	2	0,413
400	13B32	2	0,408

Crimp dies for KRT/KST

For Cu-terminals, hexagonal crimping. Supplied in pairs.
The B dies below are intended for Cu-terminals, type KRT and KST, together with Cu conductors class 2 according to IEC 60228. Use inner die holder **V1316** and outer die holder **V1318**.



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



Crimp sequence for one crimp.

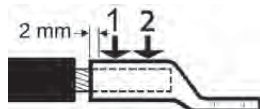
mm ² KRT/KST	Name	Number of crimps	Net weight (kg)
10	B7	1	0,101
16	B8,5	1	0,101
25	B10	1	0,106
35	B12	1	0,108
50	B14	1	0,112
70	B16	1	0,107
95	B18	1	0,120
120	B19	1	0,118
150	B22	1	0,148
185	B24	1	0,139

Crimp dies for KRT/KST (integrated)

For Cu-terminals, hexagonal crimping. Supplied in pairs.
The integrated B dies below are intended for Cu-terminals, type KRT and KST, together with Cu conductors Class 2 according to IEC 60228. Used without a die holder.



Integrated dies 13B32.



Crimp sequence for two crimps.

mm ² KRT/KST	Name	Number of crimps	Net weight (kg)
25	13B10	1	0,451
35	13B12	1	0,457
50	13B14	1	0,471
70	13B16	1	0,466
95	13B18	1	0,480
120	13B19	1	0,476
150	13B22	2	0,421
185	13B24	2	0,001
240	13B26	2	0,420
300	13B30	2	0,413
400	13B32	2	0,408

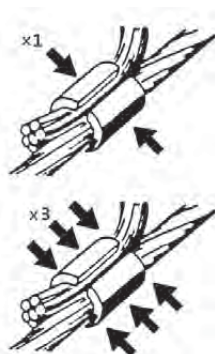
96

Crimp dies for C-sleeves

For Cu branching with C-sleeves, oval crimping.
Unless otherwise stated, use inner die holder V1316, and outer die holder V1318.



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



One and three crimps.

Through conductor mm ²	Branching mm ²	mm ²	Name	Number of crimps	Net weight (kg)	Die holder required
6-16	6-16	Total: 12-26	BC5	1	0,112	Yes
5-25	5-25	Total: 30-50	BC6	1	0,149	Yes
6-50	6-50	Total: 50-100	BC8-9	1	0,138	Yes
25-120	25-120	Total: 95-190	13BC13	3	0,410	
25-185	25-185	Total: 175-240	13BC15	3	0,404	

Die holders for the 1300 system

Outer and inner holder for the 1300 system.



Outer die holder V1318



Inner die holder V1316

Name	Net weight (kg)
V1316	0,197
V1318	0,309



CASE ADVANCED

A safer, more durable and easier to handle case for Elpress crimping tools, PVX1300 and PVX1300C2. CASE ADVANCED can handle the most demanding conditions. The case is IP67 rated, withstands dust and heavy impacts. Pull handles and wheels make it easier for the user to transport the tool and the right accessories.



Properties:

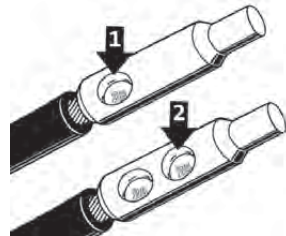
- lifetime warranty.
- handles can withstand up to 30 kg.
- compartment for easy storage of dies, matrices and punches.
- withstands temperatures from -30 °C up to +90 °C.
- the case can be locked with double padlocks.
- pressure equalisation valve.
- IP67 (fully waterproof to a depth of 1 metre).
- STANAG4280, DEF-STAN 81-41 Certification.

Name	Net weight (kg)
PVX1300-CASE-ADV	7,6

Accessories for crimping Al with V1300, V1311-A and PVX1300

Punch and Matrix for indent crimping

For Al-terminals, indent crimping. For the indent crimping of Al-terminals, two crimps are always required. For 16-150 (185 solid) mm² use matrix holder V1320.



Matrix holder V1320, matrix P13M, punch P13D.

Crimp sequence

Stranded Al mm ²	Solid Al mm ²	Matrix	Punch	Number of crimps	Matrix holder required	Punch holder required	Note
16-25	16-35	P13M	P13D	2	Yes	No	
35-70	50-95	P20M	P20D	2	Yes	No	
95-150	120-185	P25M	P25D	2	Yes	No	
185-240	240	13P32M	P32D	2	No	No	
300-400		13P37M	13P37D	2	No	No	

Matrix with safety line. For Al-terminals, type AKKxxxB/AKSxxxB and sleeves type ASxxxB.

Punch and Matrix for pre-rounding

For Al conductors, pre-rounding. Use matrix holder V1320.



Matrix holder V1320, matrix R6MR, punch 13R6DR.

Stranded Al mm ²	Solid Al mm ²	Matrix	Punch	Number of crimps	Matrix holder required	Punch holder required
16	16 (+25)	R6MR	13R6DR	1	Yes	No
25	35	R7MR	13R7DR	1	Yes	No
35	50	R8MR	13R8DR	1	Yes	No
50	70	R9MR	13R9DR	1	Yes	No
70	95	R12MR	13R12DR	1	Yes	No
95	120	R13MR	13R13DR	1	Yes	No
120	150	R15MR	13R15DR	1	Yes	No
150	185	R16MR	13R16DR	1	Yes	No
185	240	13R18MR	13R18DR	1	Yes	No
240		13R20MR	13R20DR	1	Yes	No

Matrix holder for the 1300 system

Matrix holder for non-integrated matrix. Punch holder not required for the 1300 system.



Stranded Al mm ²	Solid Al mm ²	Name	Net weight (kg)
16-150	16-185	V1320	0,367

MultiCrimp punch and matrix for indent crimping

For Al-terminals 50-240 mm², indent crimp, both round- and sector shaped conductors. Without need for pre-rounding of sector shaped conductors. Used without matrix holder.



96



Stranded Al mm ²	Matrix	Punch	Number of crimps	Net weight (kg)
50-95	13P5095M	13P5095D	1	0,394
120-150	13P120150M	13P120150D	1	0,394
185-240	13P185240M	13P185240D	2	0,394

Accessories for crimping overhead lines with V1300, V1311-A and PVX1300

Crimp dies for AlMgSi (Super B) and Al59

Supplied in pairs. Hexagonal crimping. Use inner die holder V1316, and outer die holder V1318.



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

mm ² Overhead line	Name	Number of crimps	Net weight (kg)	Die holder required	Note
31-62	B16NP	2x5	0,118	Yes	AlMgSi 31-62 mm ² , FeAL: 62 mm ² , ALUS 50 mm ²
99	B20NP	2x5	0,126	Yes	AlMgSi 99 mm ² , FeAL: 99 mm ²
157	13B26	2x16	0,420	No	Overhead line: 157 mm ² (2x16 crimps)
241	13B32	2x16	0,408	No	Overhead line: 241 mm ² (2x16 crimps)

Crimp dies for overhead lines FeAl

Supplied in pairs. BxxFE dies are used for steel sleeves and BxxNP dies are used for Al-sleeves. Use inner die holder V1316 and outer die holder V1318.



Die pair B16NP

mm ²	Die Fe	Die Al	Number of crimps
62	B6FE	B16NP	2x5
99	B8FE	B20NP	2x5