
Tools



Tools



Crimping Tools **162**



Contact Removal Tools **166**



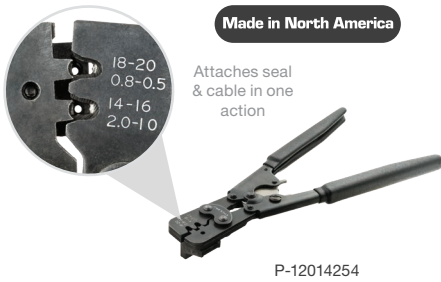
Workshop Tools **170**



Cable Insertion Tools **174**



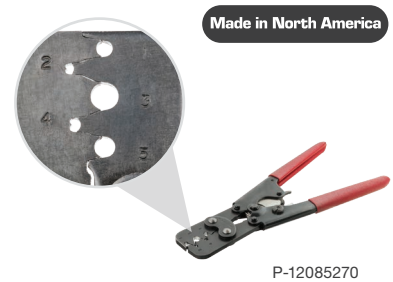
- A wide range of crimping tools to suit popular terminals and connectors.
- Tight, complete crimp with minimal effort.
- HDT-48-00 crimps a wide range of contact sizes with no need to change out dies or locators.
- Tools to suit TE DEUTSCH, Packard™ Weather Pack, Micro-Pack and Metri-Pack contacts.
- D2682 features fine blanked, high carbon steel dies.
- HT-K2680 set features 5 different crimping tools in handy tool chest storage tray.



P-12014254



P-12071687



P-12085270

Crimping Tools – Packard™ Contacts

Part No.	Description	Crimp Range (mm ²)
P-12014254	Ratcheting. Attaches seal & cable in one action	0.5–0.8, 1.0–2.0
P-12071687	480 & 630 Series	3.0–5.0
P-12085270	Ratcheting	0.5–0.8, 1.0–2.0

5 Piece Tool Set for Packard™ Contacts

The HT-K2680 set contains tools for:

- Weather Pack — 20, 18, 16, 14, 12 and 10 AWG contacts.
- Micro-Pack — .64, 100 & 100W and GT 150, 280, 630 contacts.
- Metri-Pack — 150, 280, 480 & 630.
- All housed in a handy storage tray.

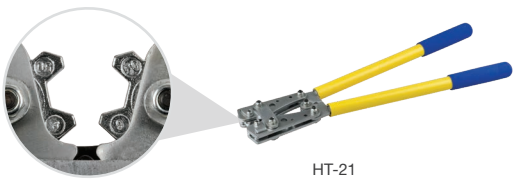
Also included in the set is a 32 page instruction manual detailing tool specifications as well as an OEM contact number/tool number matrix.

All tools in set are premium quality – made in the USA.



IONNIC Crimping Tool Set – Packard™ Contacts

Part No.	Description
HT-K2680	5 Piece crimping tool set for Packard™ contacts, includes instruction manual



HT-21



HT-22

Crimping Tools – Crimp Battery Terminals

Part No.	Description	Crimp Range (mm ²)
HT-21	Heavy-duty hex crimper. Rotating die with 6 sizes. 450mm long	6, 10, 16, 25, 35, 50
HT-22	Extra heavy-duty hex crimper. Rotating die with 7 sizes. 650mm long	25, 35, 50, 70, 95, 120, 150



DET48



HDT-04-08



DET12, DET16, DET20



D2682



HDT-48-00



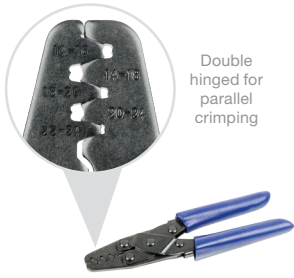
HDT-50-00

Crimping Tools – TE DEUTSCH Solid Contacts

Part No.	Description	Contact Size (TE DEUTSCH)	Notes
DET48	Removable dies	8, 4	
HDT-04-08	Removable dies	8, 4	
DET12	Ratcheting	12	
DET16	Ratcheting	16	
DET20	Ratcheting	20	
D2682	Ratcheting	20, 16, 12	
HDT-48-00	Ratcheting	20, 16, 12	HDT-48-00 has a 90 day warranty.
HDT-50-00	Ratcheting	20, 16, 12	



Tools



Double hinged for parallel crimping

HT-4220



Double hinged for parallel crimping

HT-4300



Double hinged for parallel crimping

HT-4301



HT-4560



D7000

D7000
6 Removable Dies

Die 1 14, 12 AWG	Die 2 10, 12 AWG
Die 3 18, 16, 14 AWG	Die 4 20, 18, 16 AWG
Die 5 20, 18-16 AWG	Die 6 16, 14, 12 AWG

Crimping Tools – Stamped & Formed (F-Crimp) Contacts

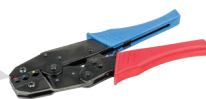
Part No.	Description	Crimp Range (mm ²)
HT-4220	Parallel crimping	0.2–0.3, 0.3–0.5, 0.5–0.8, 0.8–1.3, 1.3–2.0
HT-4300	Parallel crimping	0.35, 0.5–0.8, 1.0–2.0, 3.0
HT-4301	Parallel crimping	0.35–0.5, 0.75, 1.0, 1.5
HT-4560	Ratcheting	0.5–1, 1.5–2.5, 4–6
D7000	Ratcheting crimp tool set with 6 removable dies	

AWG to mm²

American Wire Gauge (AWG)	Diameter (mm)	Nominal Area (mm ²)	American Wire Gauge (AWG)	Diameter (mm)	Nominal Area (mm ²)	American Wire Gauge (AWG)	Diameter (mm)	Nominal Area (mm ²)
4	5.19	21.14	12	2.05	3.31	20	0.81	0.52
6	4.11	13.29	14	1.63	2.08	22	0.65	0.33
8	3.26	8.36	16	1.29	1.31	24	0.51	0.20
10	2.59	5.26	18	1.02	0.82			



HT-0060



HT-0560

Crimping Tools – Crimp Terminals (Insulated)

Part No.	Description	Crimp Range
HT-0060	Ratcheting. Suits Insulated Flag Terminals	Red & Blue
HT-0560	Ratcheting	Red, Blue & Yellow



HT-4023



HT-4510

Crimping Tools – Cable Lugs

Part No.	Description	Crimp Range (mm ²)
HT-4023	Ratcheting	0.3–2.5, 4–6, 10, 16
HT-4510	Ratcheting	0.25–1.5, 2.5–4, 6–8, 10

Crimping Tools – Misc.

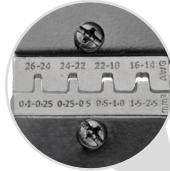
Part No.	Description	Crimp Range (mm ²)
HT-0460	Ratcheting. Suits Coax Cable RG58, Mini59 & RG174	—
HT-0580	Ratcheting. Pre-insulated end sleeve (bootlace) ferrules	0.25–6
HT-4305	Ratcheting. Suits Wire Splice	0.1–0.25, 0.25–0.5, 0.5–1.0, 1.5–2.5



HT-0460



HT-0580



HT-4305





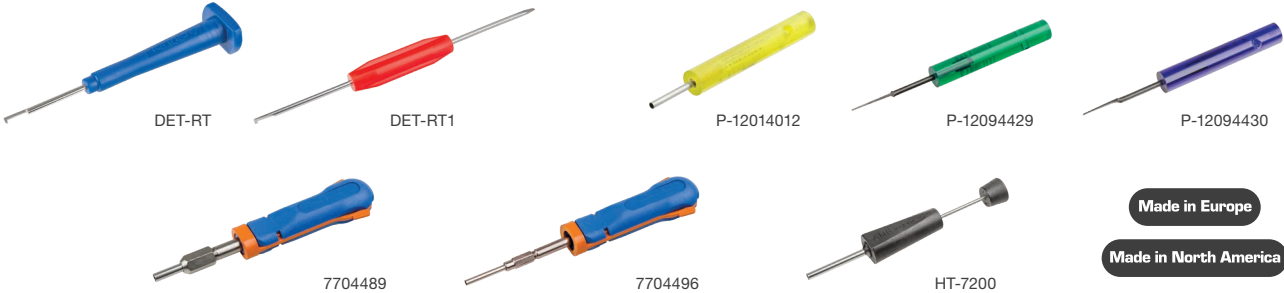
- Removes contact from connector without damage to the wire, insulation, connector seals, or connector body.
- Simplifies contact removal and field service.
- Compact and easy to use.

Made in North America



Contact Removal Tools – TE DEUTSCH

Part No.	Colour	Contact Size (TE DEUTSCH)	Wire Gauge Size (AWG)	Seal Type	Notes
114009	White	4	6	Normal Wall (N-Seal)	
114008	Green	8	10, 8	Normal Wall (N-Seal)	
0411-353-0805	Green	8	10, 8	Normal Wall (N-Seal)	Extended barrel
114010	Yellow	12	12	Normal Wall (N-Seal)	
0411-337-1205	Orange	12	14, 12	Extra Thin Wall (E-Seal)	
0411-291-1405	Green	16	16, 14	Normal Wall (N-Seal)	
0411-310-1605	Light Blue	16	18, 16	Thin Wall (T-Seal)	
0411-204-1605	Dark Blue	16	18, 16	Normal Wall (N-Seal)	
0411-336-1605	Blue	16	20, 16	Extra Thin Wall (E-Seal)	
0411-240-2005	Red	20	22, 16	Normal Wall (N-Seal)	

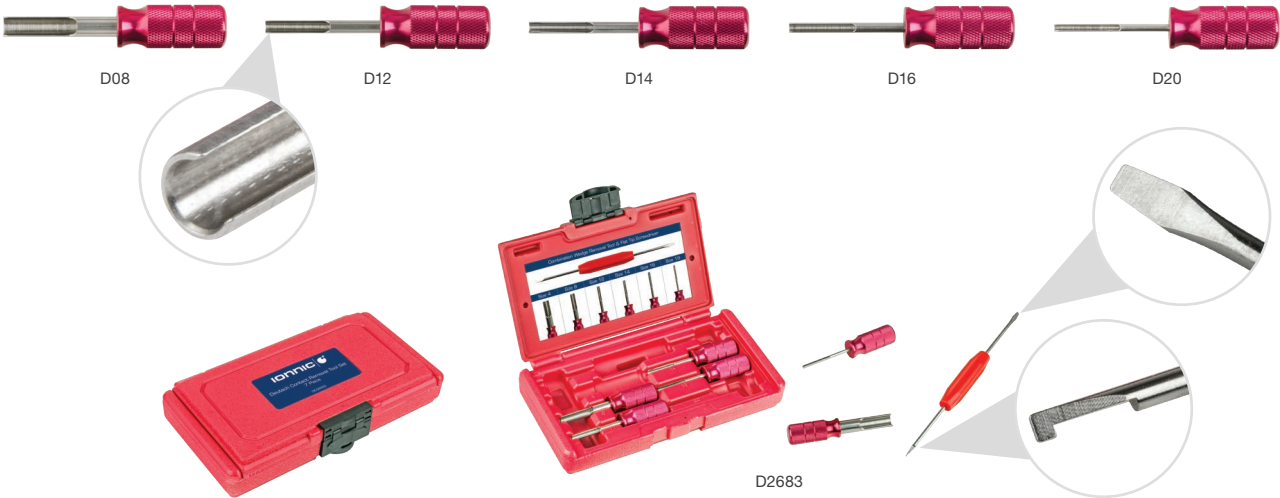
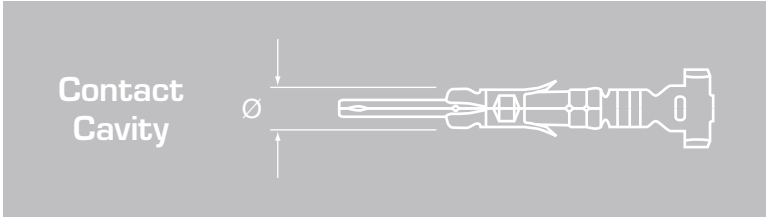


Made in Europe

Made in North America

Contact Removal Tools – Generic

Part No.	Description
DET-RT	Multi-use Hook Tool
DET-RT1	Multi-use hook tool & flat-head blade
P-12014012	Weather-Pack Pin Extraction Tool
P-12094429	Metri-Pack Removal Tool – GT150, GT280, 150, 280, 630 Pull-to-Seat
P-12094430	Metri-Pack Removal Tool – 280, 480, 630, 800 Series Pin Tangless
7704489	Ø Contact Cavity 5.2mm
7704496	Ø Contact Cavity 3.3mm
HT-7200	Ø Contact Cavity 2.9mm

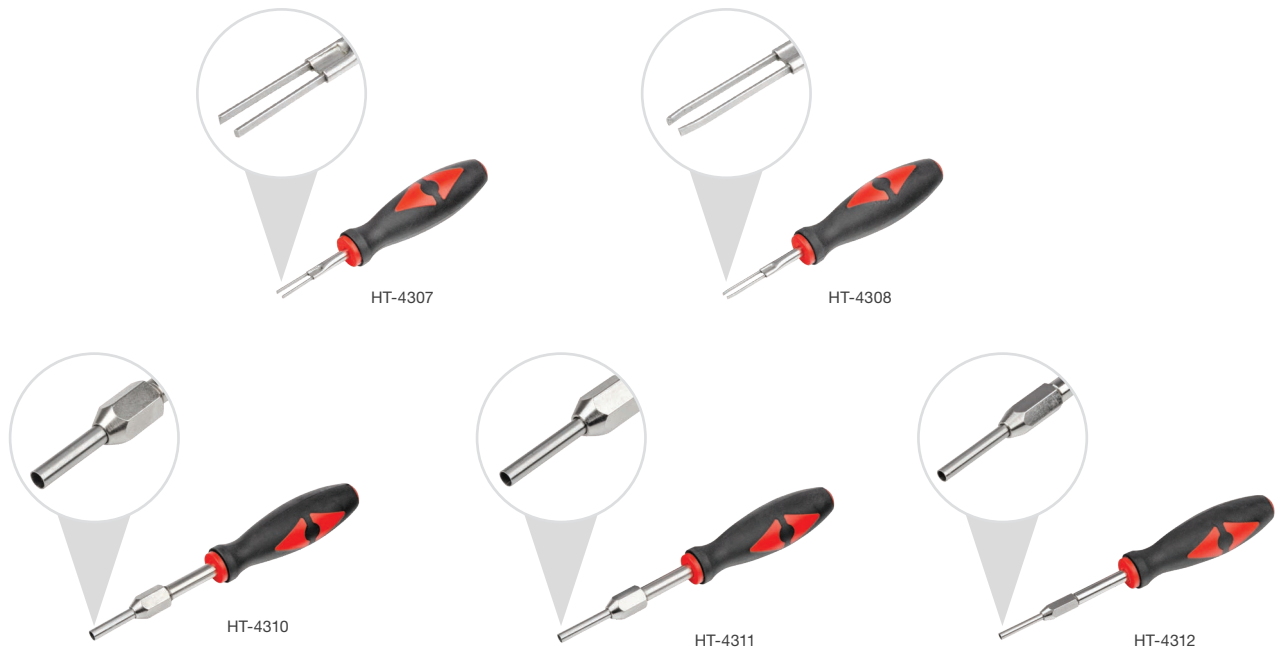


Contact Removal Tools – Heavy-duty

Size 8	Size 12	Size 14	Size 16	Size 20
D08	D12	D14	D16	D20
D2683	Removal tool set including multi-use hook tool & flat-head blade. Removal tool for sizes 4, 8, 12, 14, 16, 20			

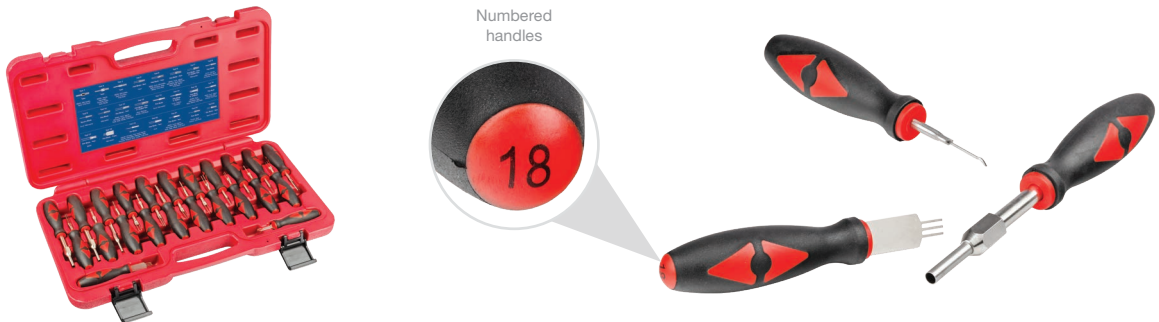


Tools



Contact Removal Tools – Set Components













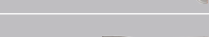






Part No.	Tool Number	Description
HT-4307	6	Flat Blade – Twin – 1.55mm x 17mm. Suits TE MCP 2.8mm Series
HT-4308	7	Flat Blade – Twin with Angled Tips – 1.6mm x 20mm. Suits TE MCP 4.8mm & 6.3mm Series
HT-4310	1	Tube – 4.3mm Inside Ø
HT-4311	2	Tube – 3.7mm Inside Ø
HT-4312	3	Tube – 2.6mm Inside Ø



Contact Removal Tools – Complete Set

Part No.	Description
HT-4306	23 Piece Set. Refer to table on opposite page for details.

HT-4306 Contact Removal Tools – Complete Set

Tool Number	Type	Size		Application
1	Tube	4.3mm Inside Ø		BMW, Mercedes, Opel, VW/Audi
2	Tube	3.7mm Inside Ø		BMW, Jaguar, Mercedes, Porsche, Saab, Seat, Skoda
3	Tube	2.6mm Inside Ø		BMW, Mercedes, Opel, Porsche, VW/Audi
4	Flat Blade – Twin	1.6mm x 15mm		Ford
5	Flat Blade – Twin	1.55mm x 20mm		BMW, Ford, Mercedes, Opel, Porsche, Seat, Skoda, VW/Audi
6	Flat Blade – Twin	1.55mm x 17mm		BMW, Ford, Jaguar, Mercedes, Opel, Porsche, Saab, Seat, Skoda, VW/Audi
7	Flat Blade – Twin with Angled Tips	1.6mm x 20mm		Mercedes
8	Flat Blade	1.8mm x 18mm		Ford, Jaguar, Mercedes, Opel, Porsche, VW/Audi
9	Square Blade	1mm x 18mm		Ford, Mercedes
10	Flat Blade	1.15mm x 18mm		Mercedes
11	Flat Blade – Twin	1.6mm 65mm		BMW, Ford, Jaguar, Mercedes, Opel, Porsche, Saab, Seat, Skoda, VW/Audi
12	Flat Blade – Twin with Angled Tips	1.65mm x 23mm		Opel, Renault, Skoda, VW/Audi
13	Flat Blade	3mm x 18.5		Ford, Mercedes
14	Flat Blade – with Notch	1mm x 18mm		Ford, Jaguar, Porsche
15	Flat Blade – with U-Notch	1mm x 24mm		BMW, Ford, Mercedes, Opel, Seat, Skoda, VW/Audi
16	Flat Blade	1.8mm x 18mm		BMW, Ford, Jaguar, Mercedes, Opel, Porsche, VW/Audi
17	Flat Blade – Twin	1.6mm x 25mm		BMW
18	Flat Blade – Triple	1mm x 9mm		Mercedes
19	Pin Blade	0.9mm x 19mm		Citroen, Chrysler, Fiat, Ford, Honda, Mazda, Mercedes, Mitsubishi, Opel, Porsche, Renault, Seat, Toyota, VW/Audi
20	Flat Blade – Twin	1.6mm x 20mm		Ford
21	Flat Blade – Twin	0.9mm x 15mm		BMW, Ford, Jaguar, Mercedes, Opel, Porsche, Saab, Seat, Skoda, VW/Audi
22	Pick Blade	1mm x 19mm		Honda, Opel, Toyota, VW/Audi
23	Flat Blade – Twin	0.9mm x 13mm		Opel, VW/Audi





HT-15



HT-6180

- Wide range of workshop tools including:
 - Cable cutters.
 - Wire strippers.
 - Multimeter.
 - Compartment boxes and more.



HT-6180



HT-6325

Multimeters

Part No.	Description
HT-6180	Mid range. 2.5" display. Voltage AC/DC (non-contact AC). Current AC/DC. VFC, resistance, diode, capacitance, frequency, temperature (°C & °F)
HT-6325	Lead kit.



Workshop Tools

Part No.	Description
HT-2400	Contact cleaner "IPA"
HT-2449	Butane gas refill
HT-2495	Pro torch. Includes detachable base
HT-2490	Soldering iron – gas powered (cordless). 30–125W. 250°C ~ 550°C. ~120mins
HT-6200	Digital vernier caliper – hardened stainless. Supplied with case. Max. length 150mm
HT-6500	Test light. 12V. 1.2m cable
HT-6600	LED test light. 12V. 1.5m cable. Heavy-duty
EGG50	Senson electro guard grease. 50ml
HT-6000	Harness tool set



SOLDERC0.7



SOLDERAC3.2



SOLDERSTICK

Solder

Part No.	Ø (mm)	Weight (g)	Description
SOLDERC0.7	0.7	500	Resin core
SOLDERC1.6	1.6	500	Resin core
SOLDERC2.3	2.3	500	Resin core
SOLDERC3.2	3.2	500	Resin core
SOLDERAC3.2	3.2	500	Acid core
SOLDERSTICK	6	—	400mm cut length



Tools



HT-10



HT-11



HT-12



HT-14



HT-15



HT-16



HT-30



HT-31



HT-34

Cable/Wire Tools

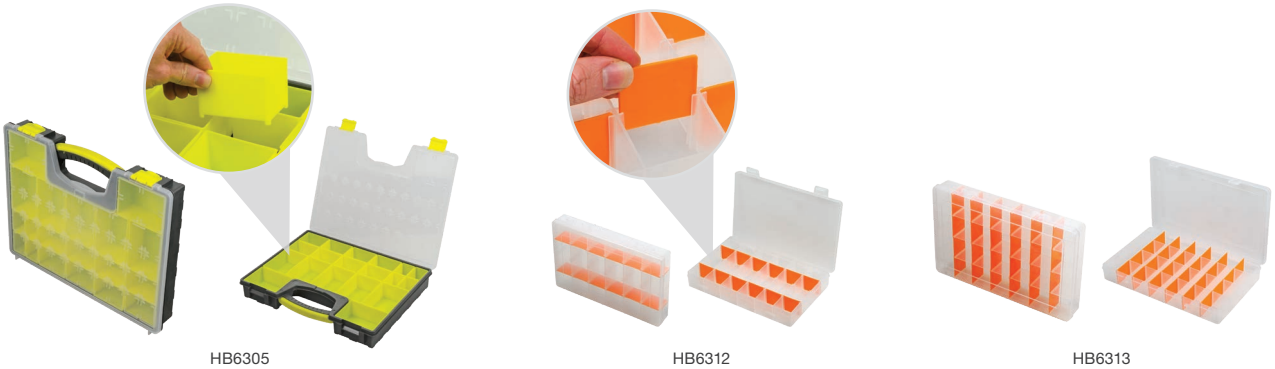
Part No.	Description
HT-10	Cable cutter – Up to 35mm ²
HT-11	Cable cutter – Up to 70mm ²
HT-12	Cable cutter – Up to 300mm ²
HT-14	Side cutters – Knipex – 250mm
HT-15	Side cutters – Knipex – 180mm
HT-16	Side cutters – 115mm
HT-30	Wire stripper/cutter
HT-31	Wire stripper/cutter – heavy-duty
HT-34	Cable tie gun heavy-duty – metal. Cuts 2.5mm – 4.8mm width



RC001-CASE

RCPLD

RC003-CASE



HB6305

HB6312

HB6313



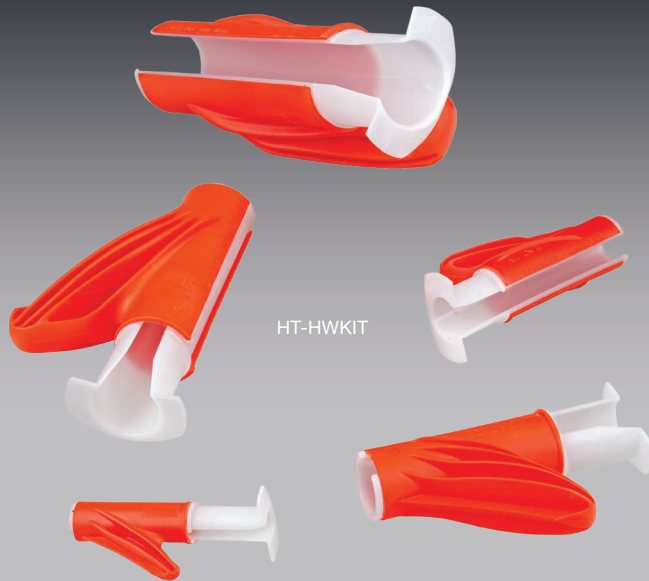
HB9025A

HB9025C

Compartment Boxes

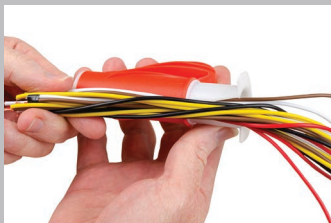
Part No.	Description	Height (mm)	Width (mm)	Depth (mm)
RC001-CASE	Rola-Case®. Removable dividers	85	370	370
RCPLD	Single Rola-Case® divider. Suits RC001-CASE			
RC003-CASE	Rola-Case®	130	370	370
HB6305	Compartment Box. Removable compartments	50	420	320
HB6312	Compartment Box. Removable dividers	40	275	170
HB6313	Compartment Box. Removable dividers	45	350	220
HB9025A	Compartments: 20 x small, 1 x large	45	370	250
HB9025C	Compartments: 16 x small, 2 x shallow, 1 x large shallow	45	370	250





- 5 piece set suiting cable bundles from 9.5mm to 31mm in diameter.
- Quick and easy method of inserting cable bundles into conduit or wrap style harness protection.
- Protects cables from abrasion damage while inserting into sleeving/conduit.
- HT-HWKIT ideal for use with the IONNIC range of ION-Guard™ Guard-Wrap sleeving, for more info see page 55.

Using Insertion Tools



1. Rotate inner white section to open position to allow the insertion of cable bundle.



2. Rotate inner white section so cables can not fall out.



3. Slide the open end of wrap over the point of the insertion tool.



4. Hold cable and wrap together at one end and pull tool down along cable bundle.

Individual Tool Sizes

Suits cable bundles up to the following sizes:



Ø 9.5mm.
Matching Guard-Wrap
SSV-005, SSV-008,
SSV-010.



Ø 16mm.
Matching Guard-Wrap
SSV-013.



Ø 20mm.
Matching Guard-Wrap
SSV-016.



Ø 24.5mm.
Matching Guard-Wrap
SSV-019.



Ø 31mm.
Matching Guard-Wrap
SSV-025.

Cable Insertion Tools – 5 Piece Set

Part No.	Description
HT-HWKIT	5 piece set suiting cable bundles from Ø9.5mm to Ø31mm

Made in Europe



9001511



9001520



9001543



9001550

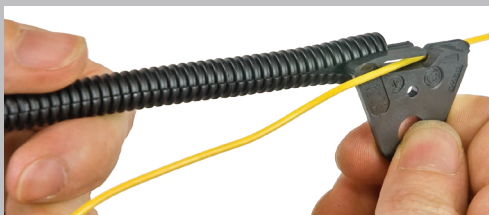
Cable Insertion Tools – Conduit

Part No.	Description	Suitable Conduit Size (NW)
9001511	Single cable insertion tool	6 – 13
9001520	Universal cable insertion tool with offset flange	10 – 26
9001543	Universal cable insertion tool – small	8.5 – 12
9001550	Universal cable insertion tool – large	13 – 26

Using Conduit Cable Insertion Tools



Single Cable Insertion Tool



Insert the point of the single cable insertion tool into end of conduit with cable as shown.



While holding end of conduit with cable, pull the insertion tool down the length of conduit.



Universal Cable Insertion Tool



Insert tool wedge containing wires into conduit split.



Drag insertion tool down the length of conduit whilst holding cables.

