

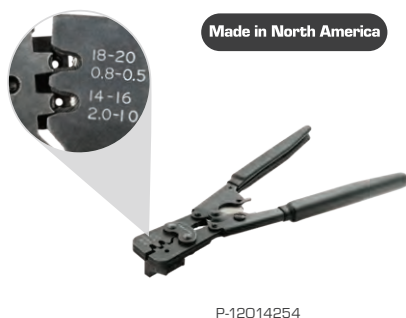


Tools

Crimping Tools	146
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Cable Insertion Tool Set	157



- 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.



Made in North America

P-12014254

P-12085270 Crimper Cavities

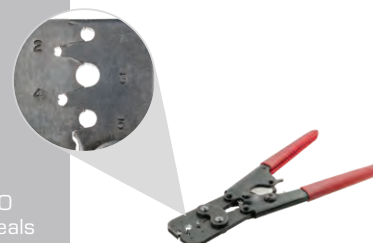
Cavity 2
0.5–0.8mm²

Cavity 4
1.3–2.0mm²

Cavity 1
150 Series
Metri-Pack Seals

Cavity 3
480 & 630 Series
Metri-Pack Seals

Cavity 5
Weather-Pack & 280
Series Metri-Pack Seals



Made in North America

P-12085270

Crimping Tools – Packard™ Contacts

Part No.	Description	Crimp Range
P-12014254	Ratcheting. Attaches seal & cable in one action	0.8–0.5mm ² (20–18 AWG), 1.0–2.0mm ² (16–14 AWG)
P-12085270	Ratcheting. Attaches seal & cable in two actions	0.8–0.5mm ² (20–18 AWG), 1.0–2.0mm ² (16–14 AWG)

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.



Made in North America

IONNIC Crimping Tool Set – Packard™ Contacts

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

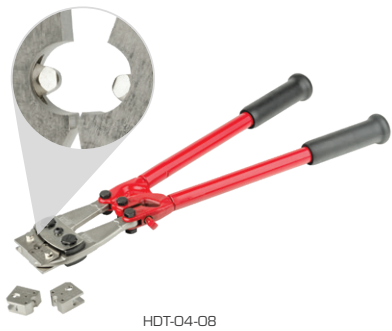


D7000
6 Removable Dies

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

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

Part No.	Description	Crimp Range (AWG)
DTT-16-00 NEW	Ratcheting. 1 indent crimper “U” crimp	16 & 14
D7000	Ratcheting crimp tool set with 6 removable dies. 1 indent crimper “U” crimp	

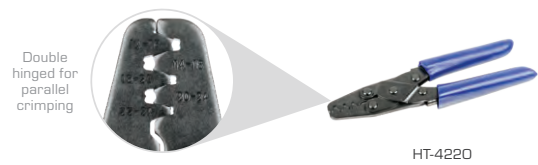


Crimping Tools – TE DEUTSCH Solid Contacts

Part No.	Description	Contact Size (TE DEUTSCH)	Crimp Style
DET48 NEW	Two handed	8, 4	2 indent
HDT-04-08	Two handed	8, 4	2 indent
DET12*	Ratcheting	12	4 indent
DET16*	Ratcheting	16	4 indent
DET20*	Ratcheting	20	4 indent
D2681	Ratcheting	20, 16, 12	2 indent
D2682	Ratcheting	20, 16, 12	2 indent
HDT-50-00	Ratcheting	20, 16, 12	1 indent
HDT-48-00	Ratcheting	20, 16, 12	4 indent

* Not made in North America.





Crimping Tools – F-Crimp Contacts (Non-Insulated)

Part No.	Description	Crimp Range
HT-4220	Parallel crimping	22–24, 20–24, 18–20, 14–18, 14–16 AWG
HT-4560	Ratcheting	0.5–1mm², 1.5–2.5mm², 4–6mm²



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



Crimping Tools – Cable Lugs

Part No.	Description	Crimp Range (mm²)
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 – Crimp Battery Terminals

Part No.	Description	Crimp Range (mm²)
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



Crimping Tools – Schlemmer Contacts

Part No.	Description	Crimp Range (mm²)	Ø Contact Cavity (mm)
7814145	Ratcheting	0.75–1.5	4
7814147	Ratcheting	0.5–1.0 & 1.5–2.5	5.2
7814146	Ratcheting	0.5–1.0 & 1.5–2.5	6.7



Crimping Tools – Misc.

Part No.	Description	Crimp Range
HT-0460	Ratcheting. Suiting Coax Cable RG58, Mini59 & RG174	—
HT-0580	Ratcheting. Pre-insulated end sleeve (bootlace) ferrules	0.25–6mm² (23–10 AWG)

AWG to mm²

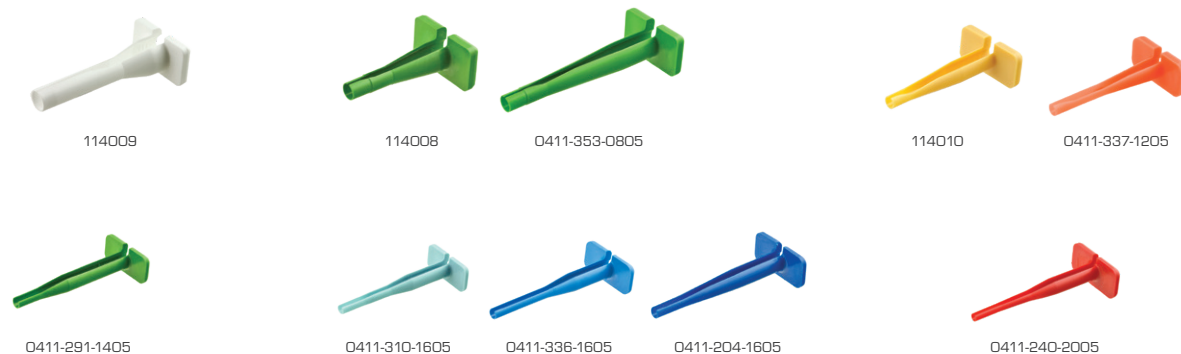
American Wire Gauge (AWG)	Diameter (mm)	Nominal Area (mm²)	American Wire Gauge (AWG)	Diameter (mm)	Nominal Area (mm²)	American Wire Gauge (AWG)	Diameter (mm)	Nominal Area (mm²)
4	5.19	21.14	12	2.05	3.31	20	0.81	0.52
6	4.11	13.29	14	1.63	2.08	22	0.65	0.33
8	3.26	8.36	16	1.29	1.31	24	0.51	0.20
10	2.59	5.26	18	1.02	0.82			





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

Made in North America



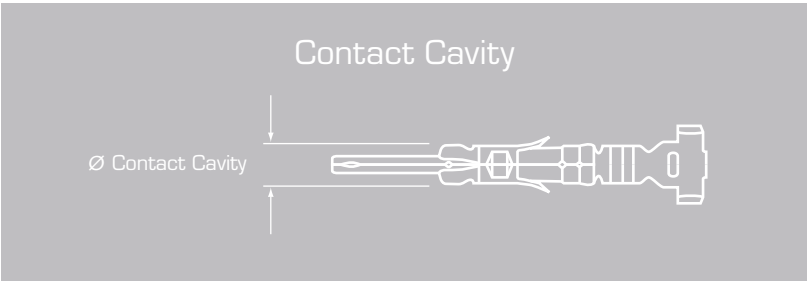
TE DEUTSCH Contact Removal Tools

Part No.	Contact Size (TE DEUTSCH)	Wire Gauge Size (AWG)	Colour	Notes
114009	4	6	White	
114008	8	8, 10	Green	
0411-353-0805	8	8, 10	Green	Extended
114010	12	12	Yellow	
0411-337-1205	12	12, 14	Orange	Extra Thin Wall (E-Seal)
0411-291-1405	14	14, 16	Green	
0411-310-1605	16	16, 18	Light Blue	
0411-336-1605	16	16, 18	Blue	
0411-204-1605	16	16, 18	Dark Blue	Extra Thin Wall (E-Seal)
0411-240-2005	20	20, 24	Red	



Contact Removal Tools – Generic

Part No.	Description
DET-RT	Multi-use Hook Tool
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



TE DEUTSCH Contact Removal Tool Set

Part No.	Contact Size (TE DEUTSCH)
D2683	4, 8, 12, 14, 16, 20



Tools



HT-15



HT-6130

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



HT-6100



HT-6130



HT-6180



HT-6325

Multimeters

Part No.	Description
HT-6100	Multimeter Voltage AC/DC. Current DC. Overload alarm. Auto power off
HT-6130	High range. 3" display. Supplied with case Voltage AC/DC (non-contact AC). Current AC/DC. Data hold VFC, resistance, diode, capacitance, frequency, temperature (°C & °F)
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. Suits HT-6100, HT-6130 and HT-6180



Workshop Tools

Part No.	Description
HT-2400	Contact cleaner "IPA"
HT-2449	Butane gas refill
HT-2495	Pro torch
HT-2496	Pro torch tip replacement
HT-2490	Soldering iron – gas powered (cordless). 30–125W. 250°C ~ 550°C. ~120mins
HT-6200	Digital vernier caliper – carbon fibre. 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



Solder

Part No.	Ø (mm)	Weight (g)	Description
SOLDERRC0.7	0.7	500	Resin core
SOLDERRC1.6	1.6	500	Resin core
SOLDERRC2.3	2.3	500	Resin core
SOLDERRC3.2	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



Compartment Boxes

Part No.	Description	Height (mm)	Width (mm)	Depth (mm)
RC001-CASE	Rola-Case®. Removable dividers	85	370	370
RCPLD	Rola-Case® Divider (individual). 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 NEW	Compartments: 20 x smaller, 1 x large	45	370	250
HB9025C NEW	Compartments: 16 x small, 2 x shallow, 1 x large shallow	45	370	250



Made in Europe



Fig 1



Fig 2



Fig 3



Fig 4

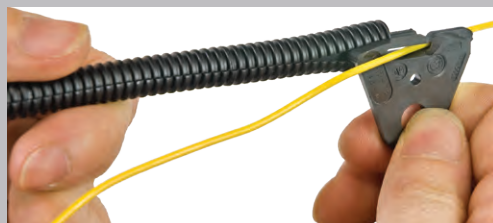
Conduit Tools

Part No.	Description	Suitable Conduit Size (NW)	Suits	Fig
9001511	Single cable insertion tool	6 – 13	Lockable & Split	1
9001520	Universal cable insertion tool with offset flange	10 – 26	Lockable & Split	2
9001543	Universal cable insertion tool – small	8.5 – 12	Lockable & Split	3
9001550	Universal cable insertion tool – large	13 – 26	Lockable & Split	3
9001558	Closing tool for PPmod Lockable conduit – Black	8.5 V	Lockable	4
9001561	Closing tool for PPmod Lockable conduit – Grey	11 V	Lockable	4
9001552	Closing tool for PPmod Lockable conduit – Blue	13 V	Lockable	4
9001567	Closing tool for PPmod Lockable conduit – Yellow	15 V	Lockable	4
9001555	Closing tool for PPmod Lockable conduit – Green	19 V	Lockable	4
9001564	Closing tool for PPmod Lockable conduit – Red	26 V	Lockable	4

Using Conduit Tools



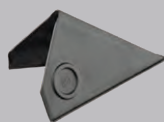
Single Cable Insertion Tool



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.



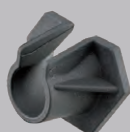
Universal Cable Insertion Tool



Insert tool wedge containing wires into conduit split.



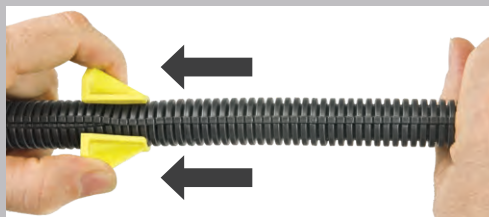
Drag insertion tool down the length of conduit whilst holding cables.



Closing Tool



Pinch one end of PPmod Lockable conduit closed and squeeze on closing tool.



While holding one end pull the locking tool down the length of conduit.

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



Material : Outer Polypropylene RMS-268
Inner Polyacetal RMS-267

Using Wrap 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 Tool Set NEW

Part No.	Description
HT-HWKIT	5 piece set suiting cable bundles from Ø 9.5mm to Ø 31mm

