

Tools

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HDT-48-00



DE-D2682



DE-DET12

- 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 Deutsch, Packard™ Weather Pack, Micro-Pack and Metri-Pack contacts.
- DE-D2682 features fine blanked, high carbon steel dies.
- HT-K2680 set features 5 different crimping tools in handy tool chest storage tray.



HDT-04-08



DE-DET12, DE-DET16, DE-DET20

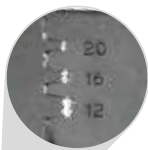
Crimp Style

1 Indent "U" Crimp

2 Indent Crimp



4 Indent Crimp



DE-D2681



DE-D2682



HDT-50-00



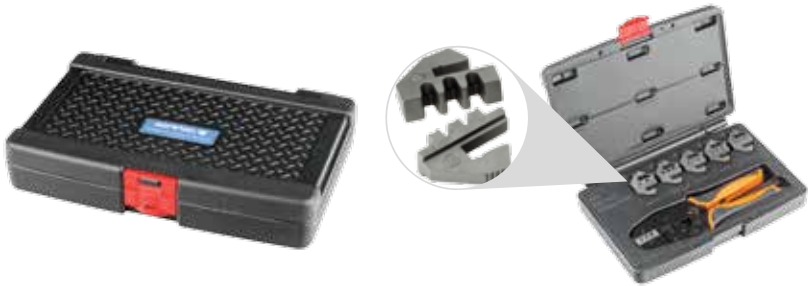
HDT-48-00

Crimping Tools – Deutsch Solid Contacts

Part No.	Description	Crimp Range	Crimp Style
HDT-04-08	—	4 & 8	2 indent
DE-DET12	Ratcheting	12	4 indent
DE-DET16	Ratcheting	16	4 indent
DE-DET20	Ratcheting	20	4 indent
DE-D2681	Ratcheting	12, 16 & 20	2 indent
DE-D2682	Ratcheting	12, 16 & 20	2 indent
HDT-50-00	Ratcheting	12, 16 & 20	1 indent
HDT-48-00	Ratcheting	12, 16, 20 & 22	4 indent

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 Tool Set – Deutsch Stamped & Formed (F-Crimp) Contacts

Part No.	Description
DE-D7000	Ratcheting Crimp tool set with 6 removable dies

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

12014254

12085270 Crimper Cavities

- **Cavity 1**
150 Series Metri-Pack Seals
- **Cavity 2**
0.5–0.8mm²
- **Cavity 3**
480 & 630 Series Metri-Pack Seals
- **Cavity 4**
1.3–2.0mm²
- **Cavity 5**
Weather-Pack & 280 Series Metri-Pack Seals

12085270

Crimping Tools – Packard™ Contacts

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



Tools



HT-4220

HT-4560

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

Part No.	Description	Crimp Range
HT-4220	—	22-24, 20-24, 18-20, 14-18, 14-16AWG
HT-4560	Ratcheting	0.5-1mm ² , 1.5-2.5mm ² , 4-6mm ²



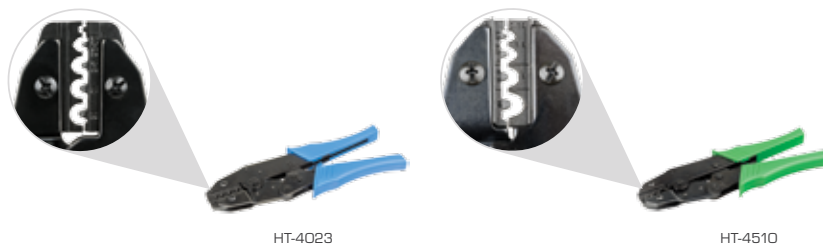
HT-0060

HT-0203

HT-0560

Crimping Tools – Crimp Terminals (Insulated)

Part No.	Description	Crimp Range
HT-0060	Ratcheting. Suits Insulated Flag Terminals	Red & Blue
HT-0203	AMP multi-use tool	Red, Blue & Yellow
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



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



7814145



7814147



7814146

Crimping Tools – Schlemmer Contacts

Part No.	Description	Crimp Range (mm ²)	∅ 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



HT-0460



HT-0580

Crimping Tools – Misc.

Part No.	Description	Crimp Range
HT-0460	Ratcheting. Suiting Coax Cable RG58, Mini59 & RG174	NA
HT-0580	Ratcheting. Pre-insulated end sleeve (bootlace) ferrules	0.25–6mm ² (23–10AWG)

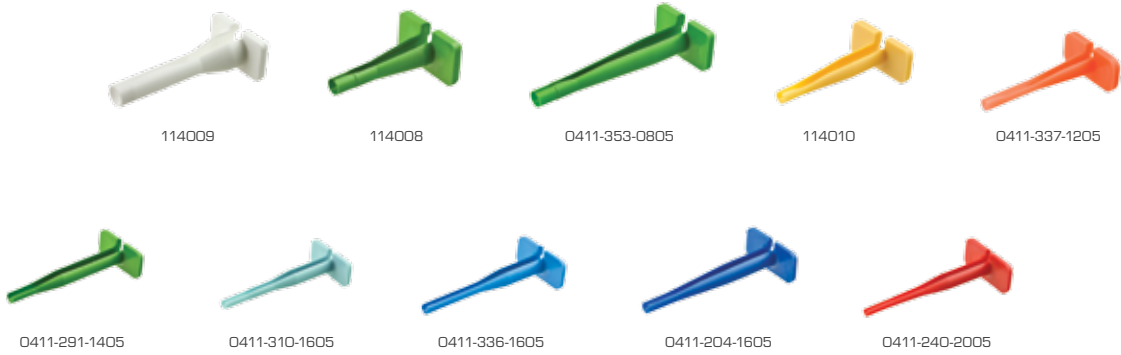
AWG to mm²

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			





- 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.



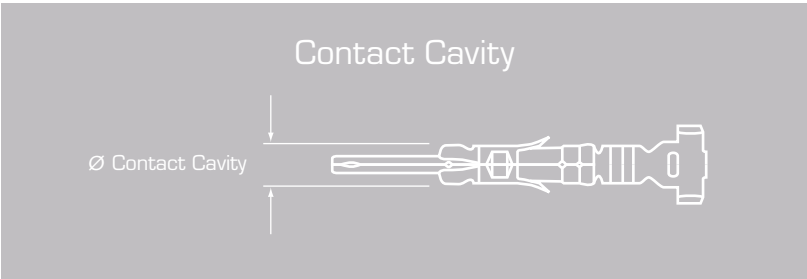
Deutsch Contact Removal Tools

Part No.	Contact Size	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	



Removal Tools – Generic

Part No.	Description
DE-DET-RT	Multi-use Hook Tool
2014012	Weather-Pack Pin Extraction Tool
2094429	Metri-Pack Removal Tool – GT150, GT280, 150, 280, 630 Pull-to-Seat
2094430	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



Deutsch Contact Removal Tool Set

Part No.	Wire Gauge Size (AWG)
DE-D2683	4, 8, 12, 14, 16, 20





- Wide range of workshop tools including cable cutters and wire strippers, Multimeters, compartment boxes and more.



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



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-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



Multimeters

Part No.	Description
HT-6100	Multimeter
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



Tools



Fig 1

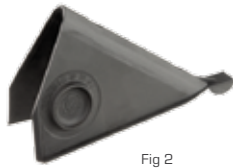


Fig 2



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

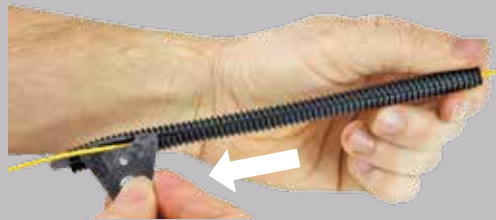
Using Conduit Tools



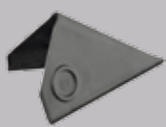
Single Cable Insertion Tool



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.



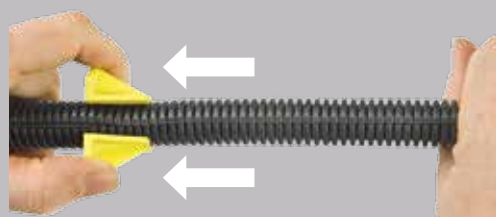
Drag insertion tool down the length of conduit whilst holding cables.



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.



Compartment Boxes

Part No.	Description	Height (mm)	Width (mm)	Depth (mm)
RC001	Rola Case®. Removable dividers	85	370	370
RCPLD	Rola Case® Divider (individual). Suits RC001			
RC003	Rola Case®	130	370	370
HB6305	Compartment Box. Removable compartments	50	420	320
HB6312	Compartment Box. Removable dividers	45	350	220
HB6313	Compartment Box. Removable dividers	40	275	170



SOLDERRC0.7



SOLDERAC3.2



SOLDERSTICK

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

