RENNSTEIG

Always a good connection.

Quality tools
for aviation

Specialist catalogue

SelectorCrimp 4/8 indent crimping tool for aviation contacts

· Special crimping tool for crimping turned pin and socket contacts, primarily according to AS39029 and EN3155
· Crimp indenters, adapter ring and selector stages comply with specifications from the AS22520 aviation standard
· Use of locators according to the AS22520 aviation standard and structurally identical models easily possible
· For details, please see the 'Locators and positioning guides for aviation contacts' section
· Checking of default setting using go/no-go gauges
· Reliable crimping with forced-lock completion of crimping operation and synchronous closing of crimp indenters
· Optimised opening width, ergonomic design, reduced hand force
· Approved by the Airbus Group (AIPI07–03–001)

Art. No.	EAN 4049002	Finish	Illustration	Capacity	Max. contact Ø mm	Acc. to	←→ mm	⚖ g
8728 0000 6	101281	Pliers without locator, Plastic-coated grips		AWG 28 – 16	4.0	AS22520/7-01	175	295
8738 0000 6	104381	Pliers without locator, Plastic-coated grips		AWG 32 – 20	3.6	AS22520/2-01	175	295
8758 0000 6	097331	Pliers without locator, Plastic-coated grips		AWG 26 – 12	5.5	AS22520/1-01	230	553
8752 0000 6	111174	Pliers without locator, 2-component grips		AWG 26 – 12	5.5	AS22520/1-01	230	582
8791 0303 01	114267	Go-Nogo-Testing Gauges for 8728 0000 6				AS22520/3-03	76.5	25
8791 0301 01	114250	Go-Nogo-Testing Gauges for 8738 0000 6, 8758 0000 6 and 8752 0000 6				AS22520/3-01	76.5	25

Art. No. 8738 0000 6

Selector position readable on both sides of the tool

Art. No. 8728 0000 6

Adapter ring for RENNSTEIG single locators and positioners acc. to AS2520/7-01 and AS22520/2-01

Art. No. 8758 0000 6

Adapter ring for RENNSTEIG multi pin locators and positioners acc. to AS22520/1-01

Info

RENNSTEIG   Quality tools for aviation

4/8-indent crimping tool DigiCrimp® for aviation contacts

patented

· Suitable for crimping turned pin and socket contacts, primarily according to AS39029 and EN3155
· Crimp indenter geometry and adapter ring fulfil specifications from the AS22520 aviation standard
· Crimp indenter closing can be adjusted in steps of 0.01 mm and can be viewed digitally
· Multifunctional digital display, setting in mm, inches or comparable selector positions according to AS22520 aviation standard
· Checking of default setting with enclosed test gauge
· Recalibration function
· Electronic wear monitoring (patented) with warning function
· Reliable crimping with forced-lock completion of crimping operation and synchronous closing of crimp indenters
· Various setting functions accessible (remaining life, number of calibrations, serial number)
· RENNSTEIG positioning guides and/or locators can be used according to aviation standard

Art. No. 8726 0000 6

Art. No. 8756 0000 6

XVII. Thuringian Innovation
Award 2014

XVII. Innovationspreis Thüringen 2014

Art. No.	EAN 4049002	Finish	Illustration	Profile	Capacity	Max. contact Ø mm	Acc. to	←→ mm	⚖ g
8726 0000 61	095931	Pliers in plastic case without locator			0.08 – 2.5 mm² / AWG 28 – 16	4.0	AS22520/7-01	260	820
8736 0000 61	056956	Pliers in plastic case without locator			0.03 – 0.5 mm² / AWG 32 – 20	3.6	AS22520/2-01	260	820
8756 0000 61	057687	Pliers in plastic case without locator			0.14 – 6.0 mm² / AWG 26 – 12	5.5	AS22520/1-01	270	1,160

Battery-powered HC 20.2 hydraulic powered crimper

· Powered hydraulic hand tool for crimping turned pin and socket contacts
· Crimping force 19 kN
· Crimp cycle 2.8 seconds
· Approx. 300 crimps achievable on one battery charge (with average load)
· Charging time <30 min for lithium-ion battery
· 4/8 indent crimping units usable, rotates by 360°
· Crimp pin closing can be adjusted in steps of 0.01 mm and can be viewed digitally (mm, inches or selector positions)
· Integrated wear monitoring
· Recalibration function
· Checking of default setting with enclosed test gauge

Art. No. 6702 0100 1

Art. No.	EAN 4049002	Finish	Profile	Capacity	Max. contact Ø	←→ mm	⚖ g
6702 0100 1	149467	Basic crimping device in a case with battery 12V / 2.0 Ah and charger EU (without crimping unit)				500 x 420 x 125	4.200
6756 0000 6	097171	Crimping unit, indenters fullfill requirements of AS22520 /1-01	✳	0.14 – 6.0 mm² / AWG 26 – 12	5.5 mm	160 x 130 x 60	1,060
6370 0002 0	098369	Li-Ion battery 12V / 2.0 Ah				50 x 55 x 90	180
6370 0004 0	149177	Li-Ion battery 12V / 4.0 Ah				50 x 55 x 90	400
6700 0001 0	061912	Bench mount for HC 20 / HC 20.2				115 x 100 x 75	450

Crimping machine CM 25-3

· For crimping turned male and female contacts
· 4-indent units with crimping indenters fullfill requirements of MIL/SAE AS22520
· Indents adjustable in 0.01 mm increments through digital display
· Calibration by means of enclosed go–no go gauge
· Electronic wear monitoring (patented) with warning function
· Setting functions in mm, inch or positions acc. to MIL/SAE AS22520
· Compatible with numerous locators (see pages 5)

Art. No.	EAN 4049002	Finish	Profile	Capacity	Max. contact Ø	←→ mm	⚖ g
636 025-3	029561	CM25-3 crimping machine without crimping unit, without positioning guide				325 x 280 x 500	31,800
636 0726 3 0	146008	Crimping Unit 8.72-6 with Digital Display for Aviation Turned Contacts according to Standard AS22520/7-01	✳	0.08 – 2.5 mm²	4 mm	87 x 43 x 72	600
636 0736 3 0	114823	Crimping Unit 8.73-6 with Digital Display for Aviation Turned Contacts according to Standard AS22520/2-01	✳	0.03 – 0.5 mm²	3,6 mm	87 x 43 x 72	600
636 0756 3 0	145360	Crimping Unit 8.75-6 with Digital Display for Aviation Turned Contacts according to Standard AS22520/1-01	✳	0.14 – 6.0 mm²	5,5 mm	100 x 43 x 76	600

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Art. No.	EAN 4049002	Reference acc. to.	Type	Color-Code	For Selector Crimp	For Digi-Crimp	For HC 20	For CM 25-3 crimping unit	⚖ g
8728 0902 0	114021	AS22520/7-02	Single locator		8728 0000 6	8726 0000 6, 8726 0000 61		636 0726 3 0	10
8728 0903 0	114038	AS22520/7-03	Single locator		8728 0000 6	8726 0000 6, 8726 0000 61		636 0726 3 0	30
8728 0904 0	114045	AS22520/7-04	Single locator		8728 0000 6	8726 0000 6, 8726 0000 61		636 0726 3 0	30
8728 0905 0	114052	AS22520/7-05	Single locator		8728 0000 6	8726 0000 6, 8726 0000 61		636 0726 3 0	30
8728 0906 0	114069	AS22520/7-06	Single locator		8728 0000 6	8726 0000 6, 8726 0000 61		636 0726 3 0	30
8728 0907 0	114076	AS22520/7-07	Single locator		8728 0000 6	8726 0000 6, 8726 0000 61		636 0726 3 0	30
8728 0908 0	114083	AS22520/7-08	Single locator		8728 0000 6	8726 0000 6, 8726 0000 61		636 0726 3 0	30
8728 0920 0	114090	AS22520/7-14	Single locator		8728 0000 6	8726 0000 6, 8726 0000 61		636 0726 3 0	30
8738 1202 0	114106	AS22520/2-02	Single locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	10
8738 1206 0	114120	AS22520/2-06	Single locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	30
8738 1207 0	114137	AS22520/2-07	Single locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	30
8738 1208 0	114144	AS22520/2-08	Single locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	30
8738 1209 0	114151	AS22520/2-09	Single locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	30
8738 1210 0	114168	AS22520/2-10	Single locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	30
8738 1211 0	114175	AS22520/2-11	Single locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	30
8738 1215 0	114182	AS22520/2-15	Single locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	30
8738 1223 0	114199	AS22520/2-23	Single locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	30
8728 1407 0	134333	AS22520/7-02, AS22520/7-03, AS22520/7-04, AS22520/7-05	Multi pin locator		8728 0000 6	8726 0000 6, 8726 0000 61		636 0726 3 0	81
8738 1514 0	134326	AS22520/2-02, AS22520/2-06, AS22520/2-08, AS22520/2-09	Multi pin locator		8738 0000 6	8736 0000 6, 8736 0000 61		636 0736 3 0	80
8758 2202 0	148750	AS22520/1-02	Multi pin locator		8758 0000 6, 8752 0000 6	8756 0000 6, 8756 0000 61		636 0756 3 0	70
8758 2204 0	148767	AS22520/1-04	Multi pin locator		8758 0000 6, 8752 0000 6	8756 0000 6, 8756 0000 61	6756 0000 6	636 0756 3 0	70
8758 2100 0	149214	AS22520/1-05	Universal locator		8758 0000 6, 8752 0000 6	8756 0000 6, 8756 0000 61	6756 0000 6		73
8758 2101 0	148552		Universal locator		8758 0000 6, 8752 0000 6	8756 0000 6, 8756 0000 61	6756 0000 6	636 0756 3 0	114

Other customer-specific locators available on request.

Art. No.
8728 0902 0

Art. No.
8738 1202 0

Art. No. 8728 1407 0

Art. No. 8738 1514 0

Art. No. 8758 2202 0

Art. No. 8758 2101 0

Crimp System Tool PEW 12

· Special crimping tool for crimping virtually any recent type of crimp connector
· Guarantees exact, solder-free electrical connections
· Parallel crimping jaw closing action
· Optimum leverage
· Forced-lock completion of crimping process to ensure reliable crimping results (with emergency release)
· User-friendly with ergonomic centre of gravity
· One- and two-handed operation
· Wide range of possible combinations

Art. No. 624 000 3

Art. No. 624 000 6

Art. No.	EAN 4049002	Description	←→ mm	⚖ g
624 000 3	014000	Crimp System Tool PEW 12, black-oxide finish, without die set, without positioning guide	200	620
624 000 6	014017	Crimp System Tool PEW 12, chrome plated, without die set, without positioning guide	200	620
624 101 3	016172	Crimp System Tool PEW 12 in plastic case, black-oxide finish, without die set, without positioning guide	265 x 220 x 50	1,030
624 101 6	014789	Crimp System Tool PEW 12 in plastic case, chrome plated, without die set, without positioning guide	265 x 220 x 50	1,030
624 40098 3	058196	Tabletop mount for PEW 12	190	200

Highly efficient crimping for multiple systems.
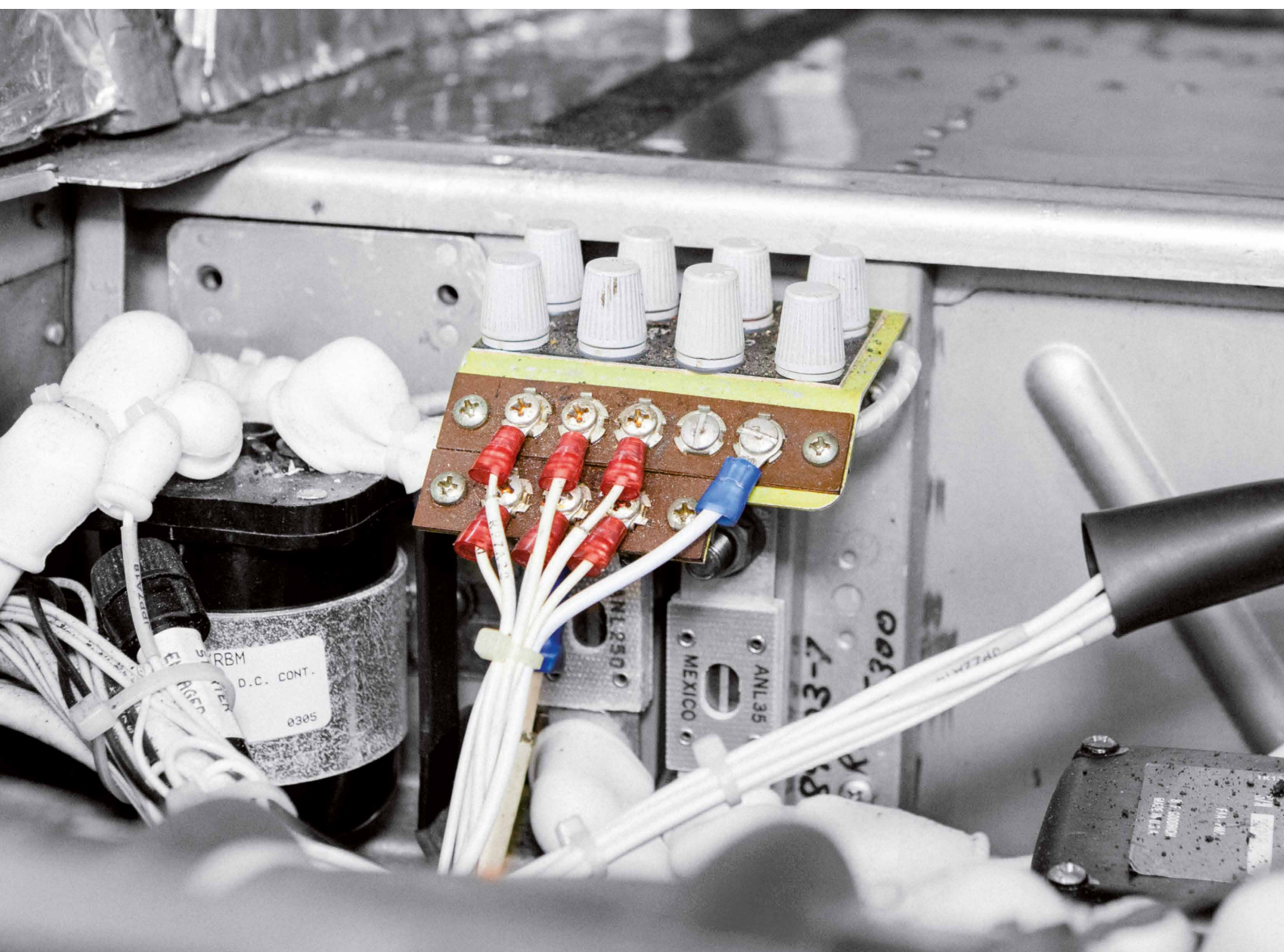
Supplied in plastic case
Art. No. 624 101 3 / 624 101 6

Basic equipment:
· Crimping tool without crimp insert or locator
· Assembly accessories

Up to seven crimp inserts and four locators can be added to the set
at user request.

Art. No.	Range of applications			Connector	Capacity		Die set	Locator
	Tool burnished	Die set	Locator		mm²	AWG		
624 060 3	●	●			0.5–1.0 1.5–2.5 4.0–6.0	—		—
624 060 3 0		●						
624 691 3	●	●		conical ISO-Crimp	0.5–1.0 1.5–2.5 4.0–6.0	—		
624 691 3 1	●	●	●					
624 691 3 0		●						
624 691 0 01			●					
624 380 3 23	●	●	●		—	20–26 16–20 12–16		
624 380 3 0		●						
624 380 0 023			●					

Airline Service Kit

· Rugged plastic case includes: tools for cutting, stripping and crimping, insertion/removal tools, plug gauges and accessories for the maintenance and repair of aluminium cabling as used in aviation for the A380, A350 and A400M aircraft
· Special crimping tools for crimping turned pin and socket contacts (ABS1380 and ABS1381) with flexible aluminium cable, AWG 24 to 12 (ABS 0949)
· Consecutively completion of conductor and insulation crimp
· Conductor crimp is completed as a four or 4/8 indent crimp, the insulation crimp is performed simultaneously as a hex (AWG 24/18) or 12x (AWG 16/14/12) crimp

Airline Service Kit
Art. No. 8500 0001 61 / 8500 0005 61

· Tools to cut, strip and crimp, extraction and insertion tools, gauges and accessories for maintenance and repair of aircraft aluminium wiring
· Safely stored in a protective plastic case
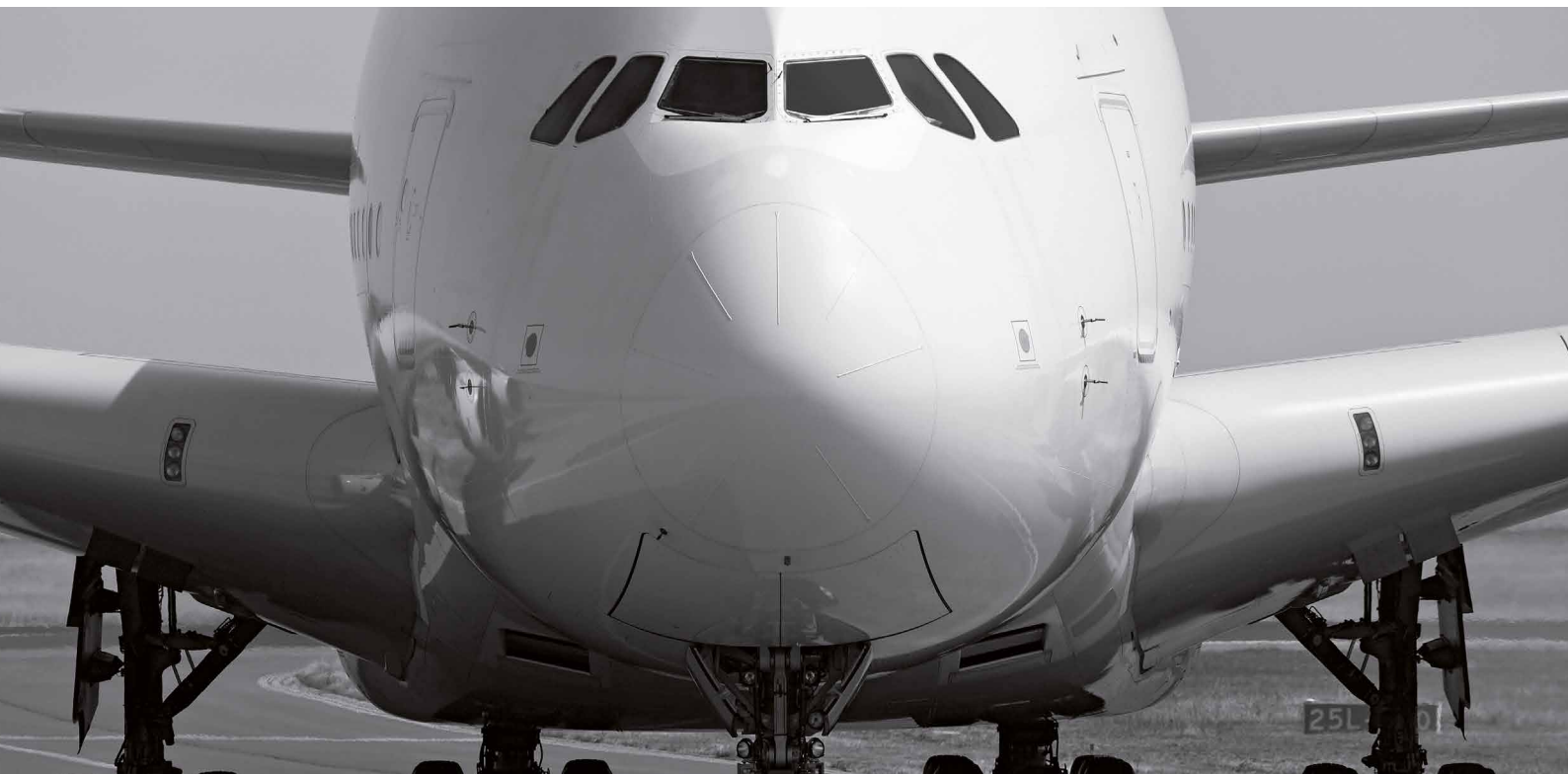
Insulation stripper for special applications

· Special hand tool with length stop for high-quality stripping and dismantling of single and multi-wire cables ranging from 0.03 to 16 mm^2
· Applicable for a great variety of insulations of differing hardness
· No pinching or deforming of cable ends, thanks to a special cutting mode
· Blades for different wire ranges, customized blade designs on request
· Automatic release after operation
· Tool with black-oxide finish and ergonomically designed 2-component grips

Art. No. 708 200 3

Position cable at length stop

Stripping with profile blades

Automatic removal of insulation

Art. No.	Range of applications	Capacity	Strip dimensions mm	Cable cross section	Stripper blade pairs
708 212 3	Tool for special cable with PTFE insulation and Kapton® Foil	AWG 20–10	Ø 1.0 / Ø 1.2 / Ø 1.4 / Ø 1.8 / Ø 2.4 / Ø 2.8		
708 236 3	Tool for PTFE insulated cables	AWG 6 AWG 4	Ø 5.5 Ø 6.2		
708 260 3	Tool for PTFE insulated cables	AWG 24–14	Ø 0.7 / Ø 0.9 Ø 1.1 / Ø 1.3 Ø 1.5 / Ø 1.9		
708 262 3	Tool for PTFE insulated cables	AWG 10–6	Ø 3.5 Ø 4.2 Ø 5.5		

A wide range of special tools for various cable cross-sections and insulation types is available. The tools shown here are merely a representative selection of available products.

Info

MultiStrip® 16

· Self-adjusting to cross-sections ranging from 0.08 mm² to 16 mm² without blade change
· Ergonomic design, comfortable grip distance (65 mm) and low weight
· Blade block can be replaced by hand – no other tools needed
· Low manual effort required, even at maximum capacity setting
· Non-destructive stripping with adjustable cut penetration depth
· Multi-functional, with integrated cable snips, capacity multi-stranded cable up to 16 mm² and solid up to 6 mm²
· Rugged, glass fibre-reinforced housing with two-component grip and eyelet for fall protection
· Stripping length using length stop (metric and imperial) can be adjusted precisely
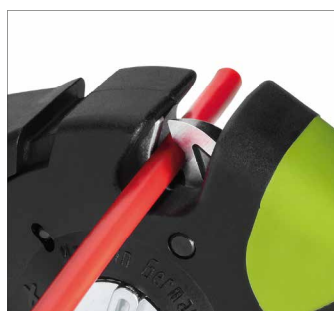· Grip can be personalised with company branding

YouTube

patented

Art. No. 707 040

Trim cable

Strip to set length – for a wide range of cable cross-sections and types of insulation

Art. No.	EAN 4049002	Description		←→ mm	⚖ g
707 040	144301	0.08 – 16.0 mm² / AWG 28 – 6		195	185
707 041	144318	Spare Blade Set 0.08–16.0 mm²		40	10
707 042 01	146664	Optional Spare Blade Set for Halogen-free Cable 4–16 mm²		40	10
707 022	026218	Length Stop			1

Microstrip for PTFE insulation

· For stripping PTFE-insulated copper cables with ultra-fine cores and cross-sections of AWG 40–26 (roughly equivalent to 0.005–0.14 mm²)
· Fixed end stop for cross-section ranges AWG 36/34 and 40/38 (roughly equivalent to 0.01–0.02 mm² and 0.005–0.008 mm²)
· End stop can be activated for cross-section ranges AWG 28/26 and 32/30 (roughly equivalent to 0.08–0.14 mm² and 0.03–0.06 mm²)
· Two laser-marked stripping positions on each of the front and rear sides

Art. No. 8007 5001 3

Art. No.	EAN 4049002	Description	Capacity	←→ mm	⚖ g
8007 5001 3	024610	black-oxide finish, 2-component grips	0.005 – 0.14 mm² / AWG 40 – 26	135	91

⟁ RENNSTEIG Quality tools for aviation

Miniature wire cutter and strand trimming tool

· Cable shears with a capacity of AWG 26 to 16, according to aviation standard AS6173/1A
· For cutting tin-, nickel- and silver-coated high-strength copper conductors and with a high-strength copper alloy according to AS22759
· Suitable for use in cramped working conditions

Art. No. 8000 1001 3

Art. No.	EAN 4049002	Description	Capaity	←→ mm	⚖ g
8000 1001 3	098437	black-oxide finish, 2-component grips	0.14 – 1.5 mm² / AWG 26 – 16	135	86

Cable shears D15 and D20

· Easy, clean cut with one-hand operation
· No crushing or deformation of cables
· Not for steel wire, wire cable or hard-drawn copper cable

YouTube

Cable shears D15
· Cable cutter with a special cutting geometry
· Also meets aerospace specification AS6173/3
· For tin-, nickel- and silver-coated copper cables of high firmness and high strength copper alloy according to specification AS22759, to be used, also on aluminum cables
· Capacity: Ø 15 mm

Art. No. 700 016 36

Cable shears D20
· For cutting single-strand, multi-strand and fine-wire aluminum and copper cables
· Initial and final cut (1st and 2nd blades) allow cable diameter up to 20 mm respectively AWG 2/0 to be cut
· Various handle options

Art. No. 700 020 36

Art. No.	EAN 4049002	Finish	Ø mm	Cutting capactiy mm²			←→ mm	⚖ g
				●	⊙	⊛		
Cable shears D15 acc. to AS6173/3								
700 015 3	007668	black-oxide finish, plastic-coated grips	15	Cu 16 / Al 35	Cu 50 / Al 50	Cu 70	170	229
700 015 36	007675	black-oxide finish, reinforced plastic grips	15	Cu 16 / Al 35	Cu 50 / Al 50	Cu 70	170	264
700 016 3	008399	black-oxide finish, plastic-coated grips, opening spring	15	Cu 16 / Al 35	Cu 50 / Al 50	Cu 70	170	230
700 016 36	009228	black-oxide finish, reinforced plastic grips, opening spring	15	Cu 16 / Al 35	Cu 50 / Al 50	Cu 70	170	270
Cable shears D20								
700 020 3	006630	black-oxide finish, plastic-coated grips	20	Cu 16 / Al 50	Cu 70 / Al 70	Cu 95	200	300
700 020 36	007156	black-oxide finish, reinforced plastic grips	20	Cu 16 / Al 50	Cu 70 / Al 70	Cu 95	200	350

Hamburg

Berlin

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Frankfurt

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50° 40' 18" N
10° 33' 18" E

München

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