

Quality  
Made in  
Germany



**GLOBACO**®  
**GmbH**

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## Material-Code, z. B. bei Modell 5a:

<b>5a</b>	Stahl vernickelt bzw. blank eingeölt <i>Carbon Steel, nickel-plated or oiled</i>
<b>5a S</b>	Rostfreier Chromstahl, gehärtet <i>Stainless Chrome-Steel, hardened</i>
<b>5a SA</b>	Chrom/Nickel-Edelstahl, Rostfrei, antimagnetisch und bedingt säurebeständig <i>Chrome/Nickel-Steel, Stainless, anti-magnetic and anti-acid</i>
<b>5a SA-T</b>	dto., jedoch ganz Teflon beschichtet <i>same, but tips coated with Teflon (PTFE)</i>
<b>5a SA-PVD</b>	dto., jedoch komplett mit PVD-Beschichtung <i>same, but completely PVD-coated</i>
<b>5a SA-ESD</b>	<i>Schutz vor elektronischer Überbelastung bei Bauteilen, elektrostatisch hoch-ohmig ableitend, mit TÜV-Zertifikat ESD.</i> <i>Protection against electronic overload as far as chip components are concerned, electrostatic OHM-conductive, with TÜV-Certificate ESD.</i>
<b>R5a SA</b>	dto, jedoch als selbstklemmende, durchgesteckte Kreuzpinzette <i>same, but manufactured as reversible Tweezer (box-joint)</i>
<b>5a TA</b>	Titan <i>Titanium</i>
<b>5a NS</b>	Neusilber <i>German Silver</i>
<b>5a CA</b>	Spezialstahl, Rostfrei, un-magnetisch und super-säurebeständig <i>Special alloy, stainless, non-magnetic and super-acid-resistant</i>
<b>5a ALU</b>	Aluminium <i>Aluminium</i>
<b>5a M</b>	Messing <i>Brass</i>

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Alle Preise zuzüglich der gesetzlichen Mehrwertsteuer

Das Eigentumsrecht an der Bild-Preisliste bleibt vorbehalten.

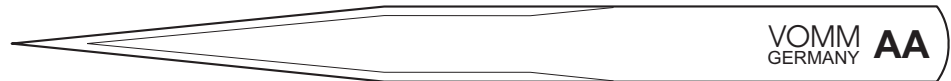
Alle Zeichnungen sind so naturgetreu wie möglich, aber unverbindlich.

Modelländerungen vorbehalten.



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54	Griffe, Teleskopgriffe, Spiegel



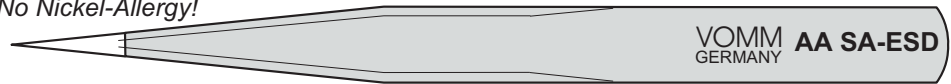
<b>AA</b>	9184	<b>8,46</b>
<b>AA S</b>	9284	<b>9,84</b>
<b>AA SA</b>	9384	<b>10,40</b>
<b>AA M</b>	9484	<b>13,46</b>

Universalpinzette, sehr populär  
*Universal Tweezer, very popular*

130 mm



No Nickel-Allergy!

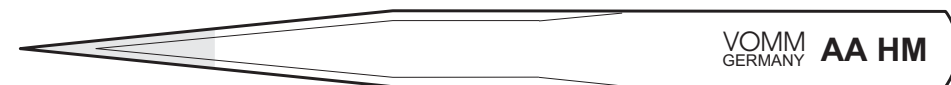


<b>AA SA-ESD</b>	3616	<b>10,34</b>
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Wie AA SA, jedoch ESD-beschichtet  
*Same as AA SA, but ESD-coated*



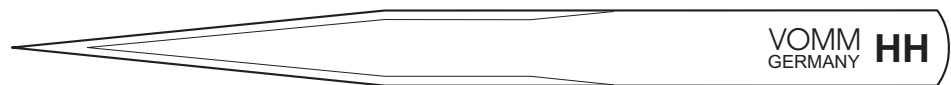
130 mm



<b>AA HM</b>	8400	<b>56,58</b>
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Wie AA S, jedoch mit Hartmetall bestückt  
*Same as AA S, but tips fitted with Hardmetal*

128 mm



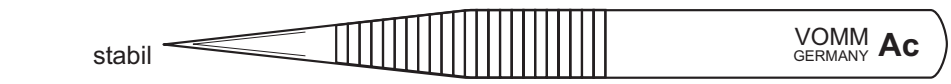
<b>HH</b>	8184	<b>9,44</b>
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Universalpinzette, sehr populär *Universal Tweezer, very popular*

120 mm

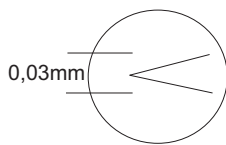
<b>Ac</b>	9000	<b>13,30</b>
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stabil  
*heavy*



VOMM GERMANY **Ac**

110 mm



<b>BB</b>	9390	<b>9,18</b>
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Leichte Hohlpinzette, Spitze mit Ansatz  
*Light-weight and hollow, structured point*



VOMM GERMANY **BB**

115 mm



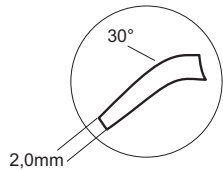
<b>F SA</b>	9382	<b>14,42</b>
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Flache Spitzen wie 2a, jedoch eckig  
*Flat tips as 2a, but square*



VOMM GERMANY **F SA**

120 mm



**Fb SA** 9640 17,10



Flach-eckige Spitzen wie F, jedoch gebogen  
*Flat square tips as F, but bent*

117 mm

**GG SA** 9388 19,18



Amerikanische Form  
*American Style*

130 mm



*No Nickel-Allergy!*

**GG SA-ESD** 3617 13,58



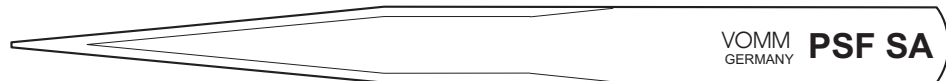
Wie GG SA, jedoch ESD-beschichtet  
*Same as GG SA, but ESD-coated*

130 mm



**PSF SA** 9389 13,00

Wie AA, jedoch eckig-breite Spitze mit Zahnung  
*Same as AA, but fine square tips with serration*



Wie AA, jedoch eckig-breite Spitze ohne Zahnung  
*Same as AA, but fine square tips without serration*

130 mm

**PSF SA** 9385 11,34

**RR** 9015 14,04

Breit und stark  
*Broad and strong*



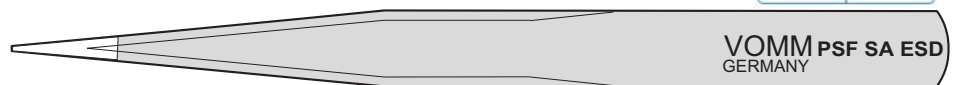
145 mm



*No Nickel-Allergy!*

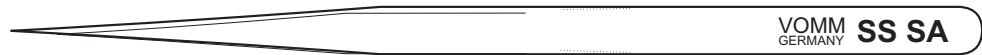
**PSF SA-ESD** 3615 12,74  
 3633 13,44

Wie PSF SA, jedoch ESD-beschichtet *Same as PSF SA, but ESD-coated*  
 Wie PSF SA- ESD, jedoch mit Zahnung *Same as PSF SA - ESD, but serrated*

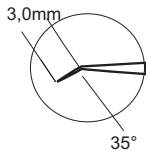


130 mm





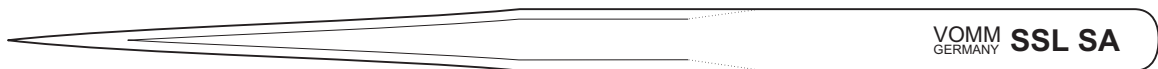
**SS SA** 9387 14,22 Schlank und schwach  
*Narrow, low resilience* 135 mm



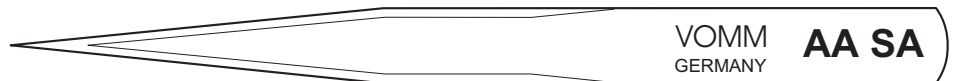
**SSbb SA** 6971 16,54 Wie SS, jedoch Spitze kurz gebogen  
*Same as SS, but tips short bent* 133 mm




Schlank und schwach  
*Narrow, low resilience*  
**SS SA-ESD** 3619 15,08 Wie SS SA, jedoch ESD-beschichtet *Same as SS SA, but ESD-coated*  
**SSbb SA-ESD** 3613 16,70 Wie SSbb SA, jedoch ESD-beschichtet *Same as SSbb SA, but ESD-coated*  
 No Nickel-Allergy!



**SSL SA** 9487 18,10 Länger und stärker als SS  
*Longer and stronger than SS* 160 mm



**AA SA** 9386 11,22 Wie AA, jedoch mit Zahnung  
*Same as AA, but with serration* 130 mm



VOMM GERMANY **00 SA**

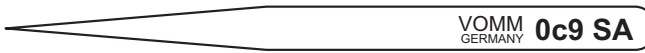
**00 SA** 8700 16,16 Dick, mittelfeine Spitzen *Thick, semi-pointed tips* 120 mm




VOMM GERMANY **00 SA-ESD**

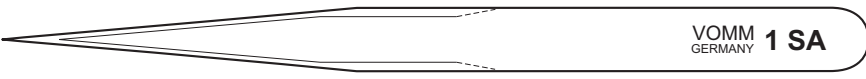
**00 SA-ESD** 3629 17,74 Wie 00 SA, jedoch ESD-beschichtet *Same as 00 SA, but ESD-coated*

No Nickel-Allergy!

VOMM GERMANY **0c9 SA**

**0c9 SA** 8710 13,30 schmal, glatt *narrow, smooth* 90 mm



VOMM GERMANY **1 SA**

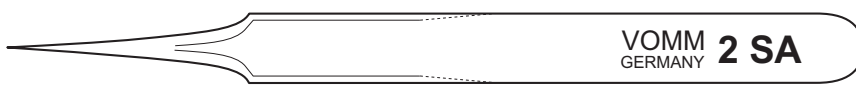
**1 SA** 8980 13,46 Universell einsetzbar *All Purpose Tweezer* 120 mm




VOMM GERMANY **1 SA-ESD**


**1 SA-ESD** 3628 13,60 Wie 1 SA, jedoch ESD-beschichtet *Same as 1 SA, but ESD-coated* 120 mm

No Nickel-Allergy!

VOMM GERMANY **2 SA**

**2 SA** 9381 14,24 Mittelfeine Spitzen *Semi-pointed tips* 120 mm





VOMM GERMANY **2 SA-ESD**

**2 SA-ESD** 3609 12,30 Wie 2 SA, jedoch ESD-beschichtet *Same as 2 SA, but ESD-coated* 120 mm

No Nickel-Allergy!

Mittelfeine Spitzen *Medium-fine tips*

VOMM GERMANY **2a SA**

**2a SA** 9378 14,24 Flach-runde Spitzen *Flat-round tips* 120 mm



VOMM 2a SA-T  
GERMANY anti-allergy

**2a SA-T** 9478 21,88

Wie 2a SA, jedoch mit PTFE beschichtet  
Same as 2a SA, but coated with PTFE

120 mm



No Nickel-Allergy!

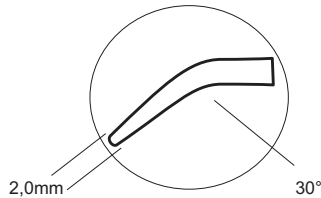


VOMM 2a SA-ESD  
GERMANY

120 mm

**2a SA-ESD** 3611 12,94

Wie 2a SA, jedoch ESD-beschichtet  
Same as 2a SA, but ESD-coated

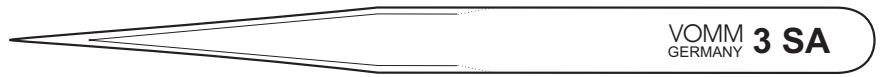


VOMM 2ab SA  
GERMANY

**2ab SA** 9368 17,72

Spitze wie 2a, jedoch winklig gebogen  
Same tips as 2a, bent

117 mm



VOMM 3 SA  
GERMANY

**3 SA** 9383 14,42  
**3M** 9483 18,84

Spitz  
Pointed

120 mm



No Nickel-Allergy!

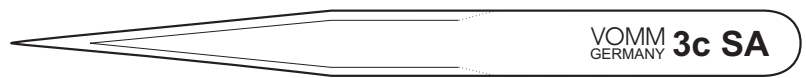


VOMM 3 SA-ESD  
GERMANY

120 mm

**3 SA-ESD** 3608 13,14

Wie 3 SA, jedoch ESD-beschichtet  
Same as 3 SA, but ESD-coated



VOMM 3c SA  
GERMANY

**3c S** 9683 14,60

Rostfrei  
Stainless

110 mm

**3c SA** 9783 14,42

Wie 3, jedoch kürzer  
Same as 3, but shorter

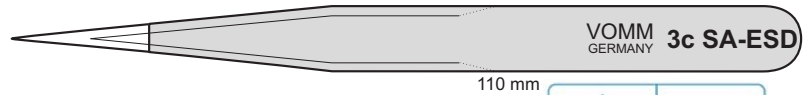
110 mm





No Nickel-Allergy!

**3c SA-ESD** 3610 13,14



Wie 3c SA, jedoch ESD-beschichtet

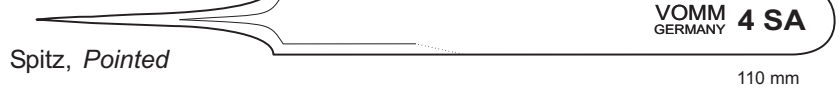
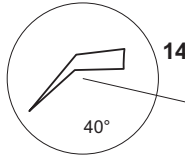
Same as 3c SA, but ESD-coated



**4 S** 9679 15,12

Rostfreier Chromstahl gehärtet Stainless Chrome-Steel hardened 110 mm

**4 SA** 9779 14,42



Spitz, Pointed

VOMM GERMANY 4 SA

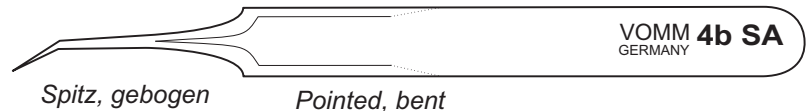
110 mm

**4b S** 9280 17,16

Rostfreier Chromstahl gehärtet Stainless Chrome-Steel hardened 110 mm

**4b SA** 9380 15,22

Chrom / Nickel - Edelstahl Chrome / Nickel - Steel hardened 110 mm



Spitz, gebogen Pointed, bent

VOMM GERMANY 4b SA

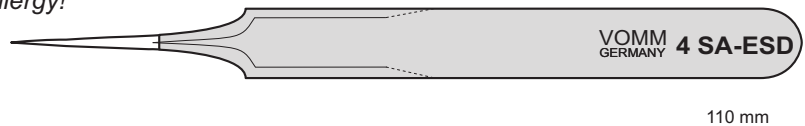


No Nickel-Allergy!

**4 SA-ESD** 3618 13,58

Wie 4 SA, jedoch ESD-beschichtet

Same as 4 SA, but ESD-coated



VOMM GERMANY 4 SA-ESD

110 mm



**MF 5 SA** 9379.1 19,46

Chrom / Nickel - Edelstahl 110 mm

Very pointed Sehr spitz



anti-acid STAINLESS-ANTIMAGNETIC

VOMM GERMANY 5 SA

**5 S** 9279 14,36

Rostfreier Chromstahl gehärtet Stainless Chrome-Steel hardened 110 mm

**5 SA** 9379 14,42

Chrom / Nickel - Edelstahl Chrome / Nickel - Steel hardened 110 mm



No Nickel-Allergy!

**5 SA-ESD** 3604 13,58

Wie 5 SA, jedoch ESD-beschichtet

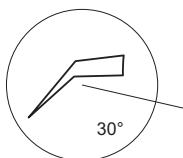
Same as 5 SA, but ESD-coated



anti-acid STAINLESS-ANTIMAGNETIC

VOMM GERMANY 5 SA-ESD

110 mm



**5bb SA** 6972 16,16

Sehr spitz, kurz gebogene Spitze, 3mm lang Very pointed, short bent tips, 3mm long



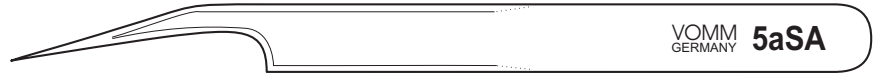
anti-acid STAINLESS-ANTIMAGNETIC

VOMM GERMANY 5bb SA

107 mm

**5bb SA-ESD** 3627 16,28

Wie 5bb SA, jedoch ESD-beschichtet Same as 5bb SA, but ESD-coated

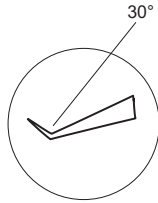


**5a SA**

9377 **15,02**

Spitz  
*Pointed*

120 mm



**5abb SA**

6970 **17,10**

Feine, kurz gebogene Spitze

*Fine, short bent tips*

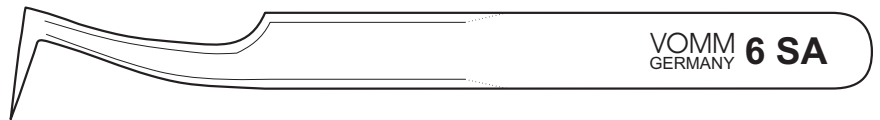
117 mm

**5abb SA-ESD**

3625 **18,10**

Wie 5abb SA, jedoch ESD-beschichtet

*Same as 5abb SA, but ESD-coated*

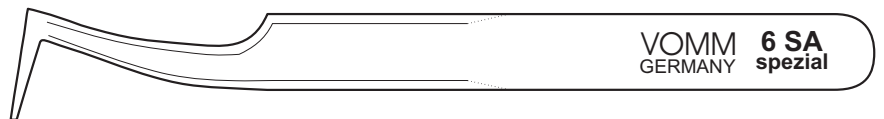
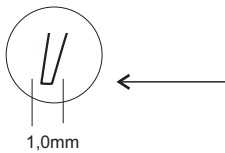


**6 SA**

6987 **16,92**

Feine Hakenspitze  
*Fine, hooked tips*

120 mm

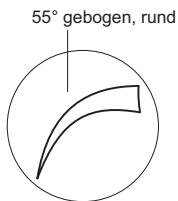


**6 spez. SA**

6986 **17,08**

Wie 6 SA, jedoch eckige Spitze  
*Same as 6 SA, but square tips*

115 mm



**7a SA**

9376 **17,32**

Feine Sichelspitze *Fine lunate tips*

120 mm

**7a SA-T**

9391 **25,02**

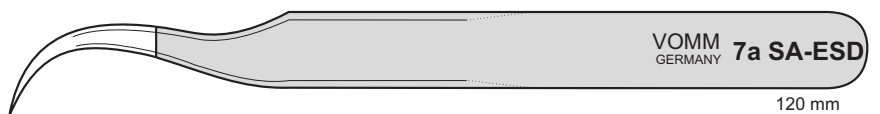
Wie 7a SA, jedoch Teflon-beschichtet

*Same as 7a SA, but Teflon-coated*

120 mm



*No Nickel-Allergy!*



**7a SA-ESD**

3605 **17,00**

Wie 7a SA, jedoch ESD-beschichtet  
*Same as 7a SA, but ESD-coated*

120 mm





3mm Winklig versetzt 30°



Feine Sichelform mit kurzer gerader Spitze, 3mm lang

**7abb SA** 6950 20,16

*Fine lunate shape with short straight tips, 3mm long*

120 mm



3mm Winklig versetzt 30°

No Nickel-Allergy!



Wie 7abb SA, jedoch ESD-beschichtet

*Same as 7abb SA, but ESD-coated*



**7abb SA-ESD** 20,34  
3612

120 mm



mit kurzer gerader Spitze

*shape with short straight tips*

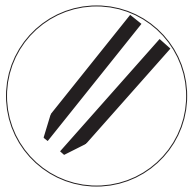
**7 SA** 9375 15,58

120 mm

**7 SA-ESD** 3630 16,70

Wie 7 SA, jedoch ESD-beschichtet

*Same as 7 SA, but ESD-coated*



10 mm

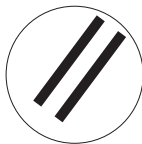


Biegepinzette

*Forming Tweezer*

**8 SA** 3800 15,02

120 mm

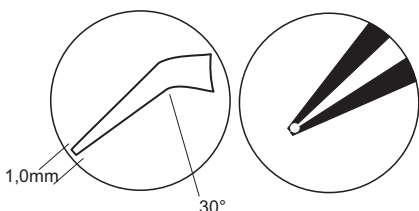


Biegepinzette

*Forming Tweezer*

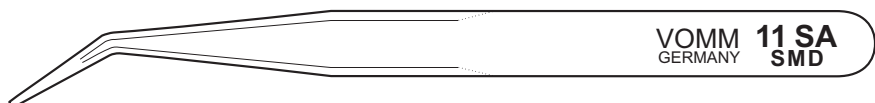
**8b** 3802 13,06

100 mm



1,0mm

30°



Passend für Mini-MELF, Einfräsung  $\varnothing 0,5\text{mm}$

*For Mini-MELF, milled slot,  $\varnothing 0,5\text{mm}$*

**11 SA-SMD** 6611 17,72

117 mm

**8 SA-SMD** 6615 **17,32**



Glatt

Smooth

VOMM GERMANY **8 SA SMD**

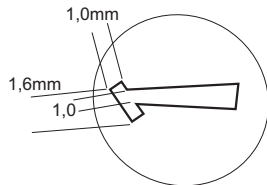
120 mm

**8a SA-SMD** 6617 **19,62**

Mit Einfräsung,  $\varnothing 0,5$  mm Milled slot,  $\varnothing 0,5$  mm

VOMM GERMANY **8a SA SMD**

120 mm

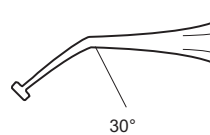


**8b SA-SMD** 6616 **17,90**

Wie 8 SA-SMD, jedoch gebogen Same as 8 SA-SMD, but bent

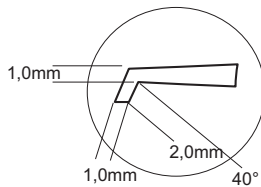
**8b SA SMD-ESD** 3624 **17,30**

Wie 8b SA-SMD, jedoch ESD-beschichtet Same as 8b SA-SMD, but ESD-coated



VOMM GERMANY **8b SA SMD**

120 mm



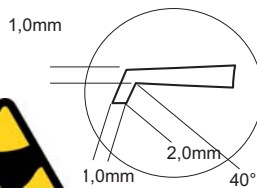
**12 SA-SMD** 6612 **16,92**

Spezialpinzette, u.a. für SMD-Bauelemente Special Tweezer, e.g. for SMT-Chips

VOMM GERMANY **12 SA SMD**

120 mm

**12 SA-SMD ESD** 3601 **16,56**



No Nickel-Allergy!

Wie 12 SMD, jedoch ESD-beschichtet

Same as 12 SMD, but ESD-coated



VOMM GERMANY **12 SA SMD-ESD**

120 mm

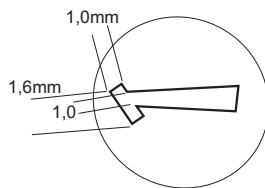
**13 SA-SMD** 6613 **16,92**

Spezialpinzette, u.a. für SMD-Bauelemente

Special Tweezer, e.g. for SMT-Chips

VOMM GERMANY **13 SA SMD**

120 mm



No Nickel-Allergy!

Wie 13 SMD, jedoch ESD-beschichtet

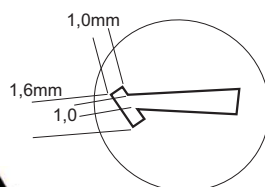
Same as 13 SMD, but ESD-coated




VOMM GERMANY **13 SA SMD-ESD**


120 mm

**13 SA-SMD ESD** 3602 **16,56**

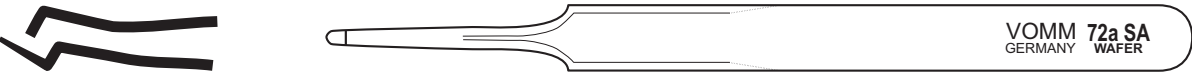




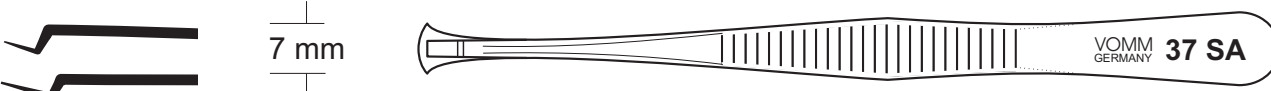
**14 S** 7977 **16,92** Spitzen 4 mm breit  
*Tips 4 mm wide* 115 mm



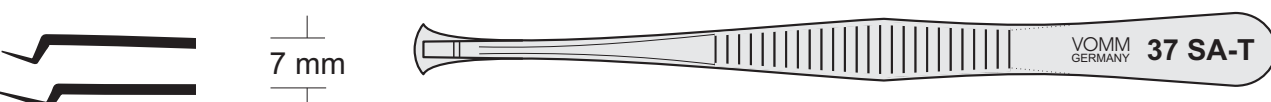
**15a** 9501 **47,58** Schneidepinzette  
*Cutting-Tweezer* 115 mm



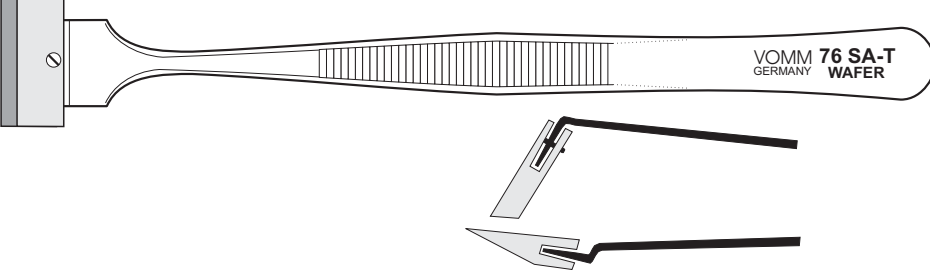

**72a SA** 7299 **19,02** Waferpinzette, 3 mm breite Spitze  
*Wafer Tweezer, 3 mm wide tips* 115 mm



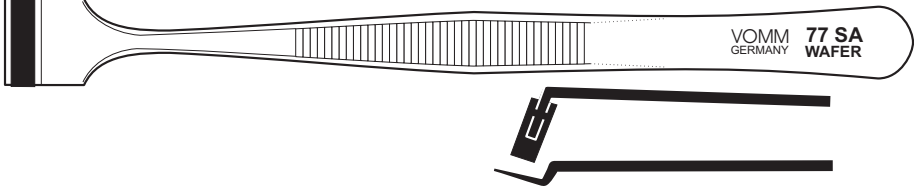

**37 SA** 3729 **26,10** Waferpinzette mit 2 Anschlagwinkel und schmalem Oberteil  
*Wafer Tweezer with 2 stop pins and narrow upper-shank* 120 mm



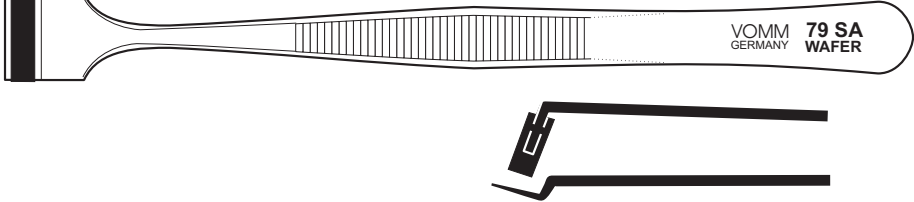

**NEU! NEW!**  
**37 SA-T** 3731 **33,76** Waferpinzette mit 2 Anschlagwinkel und schmalem Oberteil, PTFE-beschichtet  
*Wafer Tweezer with 2 stop pins and narrow upper-shank, coted with PTFE* 120 mm

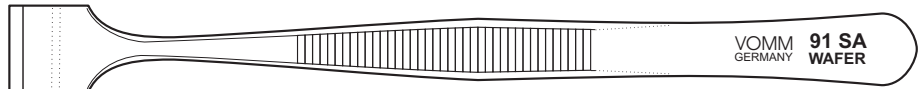
**76 SA-T** 6070 **55,44** Waferpinzette, 31 mm breit, mit Teflon-Paddel  
*Wafer Tweezer, 31 mm wide, with PTFE Pad* 125 mm

**77 SA-T** 3779 **31,46** Waferpinzette, 12 mm breit, mit Teflon-Paddel  
*Wafer Tweezer, 12 mm wide, with PTFE Pad* 125 mm

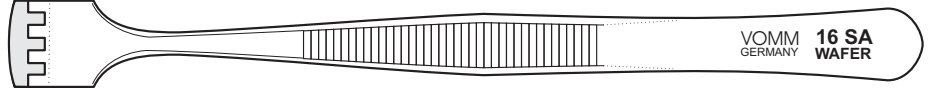
**NEU! NEW!**  
**79 SA-T** 3780 **39,02** Waferpinzette, 20 mm breit, mit Teflon-Paddel  
*Wafer Tweezer, 20 mm wide, with PTFE Pad* 125 mm



**91 SA** 7600 **18,66**

Waferpinzette, 12 mm breit  
*Wafer Tweezer, 12 mm wide*

125 mm



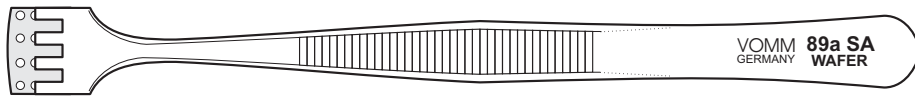
**16 SA** 4149 **19,20**

Wafer Pinzette, 12 mm breit  
*Wafer Tweezer, 12 mm wide*

**16 SA-T** 4150 **26,66**

Wie 16 SA, jedoch ganz Teflon beschichtet  
*Same as 16 SA, but coated with Teflon*

125 mm



**89 SA** 3948 **19,80**

Wafer Pinzette, 9 mm breit *Wafer Tweezer, 9 mm wide*

125 mm

**89a SA** 3949 **21,08**

Wafer Pinzette, 12 mm breit *Wafer Tweezer, 12 mm wide*

125 mm

**89 SA-T** 3951 **28,20**

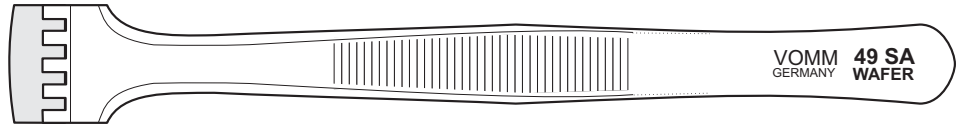
Wie 89 SA, jedoch ganz Teflon beschichtet

125 mm

**89a SA-T** 3950 **27,46**

*Same as 89a SA, but coated with Teflon*

125 mm



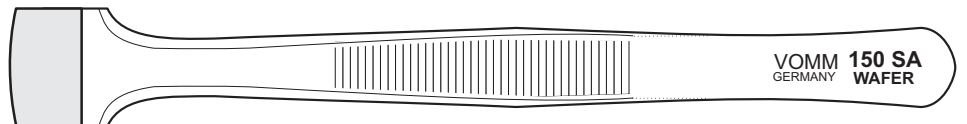
**49 SA** 4159 **20,16**

Waferpinzette, 16 mm breit  
*Wafer Tweezer, 16 mm wide*

125 mm

**49 SA-T** 4160 **27,56**

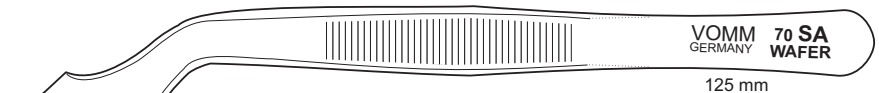
Wie 49 SA, jedoch ganz Teflon beschichtet  
*Same as 49 SA, but coated with Teflon*



**150 SA** 5039 **31,64**

Waferpinzette, 16 mm breit  
*Wafer Tweezer, 16 mm wide*

125 mm



**70 SA** 6069 **36,20**

Waferpinzette, 20 mm breit / *Wafer Tweezer, 20 mm wide*

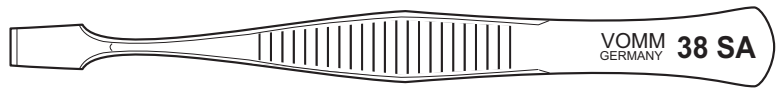
125 mm

**60 SA** 6073 **29,34**

Wie 70 SA, jedoch gerade / *Same as 70 SA, but straight*

**60 SA-T** 6074 **39,68**

Wie 60 SA, jedoch ganz Teflon beschichtet *Same as 60 SA, but coated with Teflon*



**38 SA** 9585 **13,64**

Flach-breite Spitze, gerade *Flat, broad Tips*

105 mm

**38a SA** 9587 **14,80**

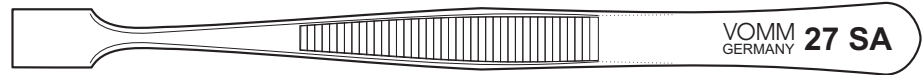
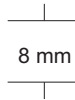
Wie 38 SA, jedoch gebogene Spitze *Same as 38 SA, but bent tips*

103 mm

**38a** 9589 **1,38**

Vernickelt, Preisgünstig *Nickel-plated, Low-Cost*

103 mm

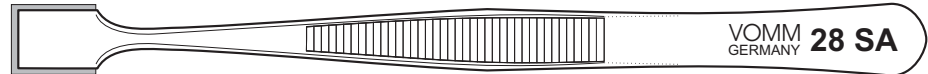


**27 SA** 9600 **14,24**  
**27a SA** 9620 **18,84**

Flach und eckig *Flat and square*  
 dto, jedoch gebogen *Same, but bent*



125 mm  
 123 mm

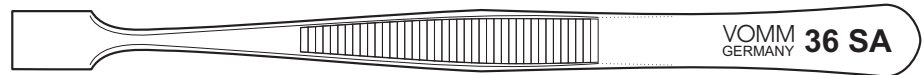
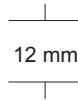


**28 SA** 9610 **15,02**  
**28a SA** 9630 **20,40**

Wie 27 SA, mit Filz *Same as 27, with felt*  
 Dto, jedoch gebogen *Same, but bent*



125 mm  
 123 mm

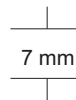


**36 SA** 7715 **14,42**  
**36a SA** 7716 **15,58**

Flach und eckig *Flat and square*  
 dto, jedoch gebogen *Same, but bent*



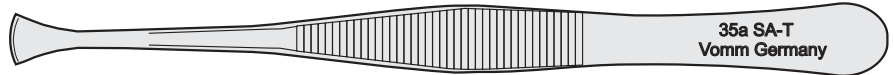
125 mm  
 123 mm



**35a SA** 7982 **14,62**

Halbrunde, dünne Spitzen  
*Half-round and thin tips*

120 mm



**35a SA-T** 7983 **22,30**

Wie 35a SA, jedoch ganz mit PTFE beschichtet  
*Same as 35a SA, but completely coated with PTFE*

120 mm

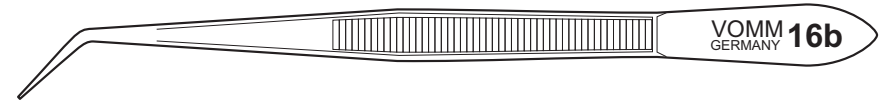
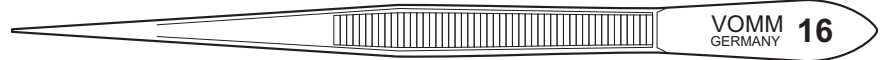
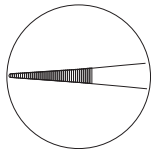


**39 SA** 9584 **14,24**  
**39a SA** 9588 **15,58**

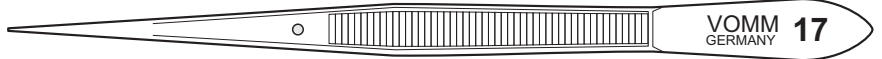
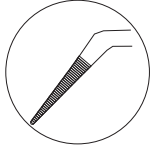
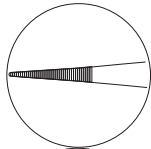
Flach und eckig *Flat and square*  
 dto., jedoch gebogen *Same, but bent tips*

125 mm  
 123 mm



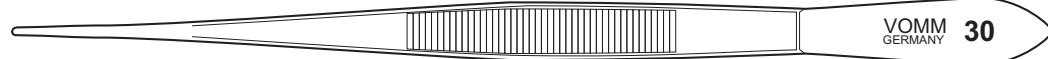
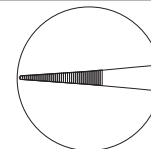


<b>16</b>	2010	<b>7,54</b>	Vernickelt, Spitze mit feiner Zahnung		120 mm
<b>16b</b>	2011	<b>8,66</b>	Nickel-plated, fine-serrated tips		120 mm

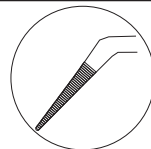


Mit Führungsstift      with guide-pin

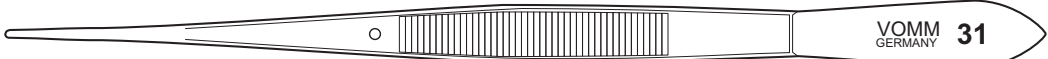
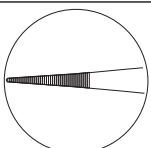
<b>17</b>	2012	<b>9,44</b>	wie Mod. 16	as Mod. 16	120 mm
<b>17b</b>	2013	<b>11,16</b>	wie Mod. 16b	as Mod. 16b	120 mm



<b>30</b>	5010	<b>9,44</b>	vernickelt, feine Zahnung	nickel-plated, fine serrated	145 mm
<b>32</b>	5110	<b>11,94</b>	vernickelt, feine Zahnung	nickel-plated, fine serrated	165 mm
<b>34 SA</b>	5210	<b>12,32</b>	18/10, feine Zahnung	stainless, antimagnetic, fine serrated	120 mm

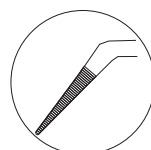


<b>30b</b>	5011	<b>10,22</b>	vernickelt, feine Zahnung	nickel-plated, fine serrated	145 mm
<b>32b</b>	5111	<b>13,46</b>	vernickelt, feine Zahnung	nickel-plated, fine serrated	165 mm
<b>34b SA</b>	5211	<b>13,06</b>	18/10, feine Zahnung	stainless, antimagnetic, fine serrated	120 mm



Mit Führungsstift      with guide-pin

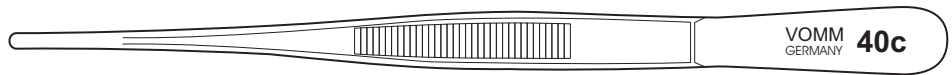
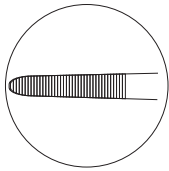
<b>31</b>	5012	<b>10,98</b>	vernickelt, feine Zahnung	nickel-plated, fine serrated	145 mm
<b>33</b>	5112	<b>14,24</b>	vernickelt, feine Zahnung	nickel-plated, fine serrated	165 mm
<b>35 SA</b>	5212	<b>13,82</b>	18/10, feine Zahnung	stainless, antimagnetic, fine serrated	120 mm



Mit Führungsstift      with guide-pin

<b>31b</b>	5013	<b>11,76</b>	Vernickelt, feine Zahnung	nickel-plated, fine serrated	145 mm
<b>33b</b>	5113	<b>15,02</b>	vernickelt, feine Zahnung	nickel-plated, fine serrated	165 mm
<b>35b SA</b>	5213	<b>14,42</b>	18/10, feine Zahnung	stainless, antimagnetic, fine serrated	120 mm





**40c**

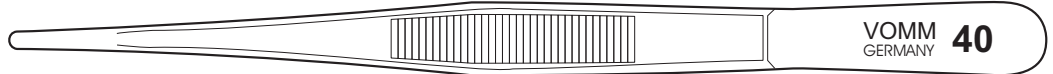
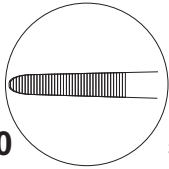
3009

**9,44**

Universalpinzette, 2 mm schmale, fein gezahnte Spitzen

*Universal Tweezer, narrow 2 mm wide, fine serrated points*

130 mm



**40**

3010

**9,44**

Vernickelt

*Nickel-plated*

145 mm

**47**

3311

**12,54**

Vernickelt

*Nickel-plated*

180 mm

**42**

3110

**15,58**

Vernickelt

*Nickel-plated*

200 mm

**48**

3312

**23,32**

Vernickelt

*Nickel-plated*

250 mm

**46**

3310

**28,60**

Vernickelt

*Nickel-plated*

300 mm

**44 SA**

3210

**11,94**

Rostfrei, antimagnetisch

*Stainless, antimagnetic*

120 mm

**44 S**

3214

**11,80**

Rostfrei, gehärtet

*Stainless, hardened*

120 mm

**40 SA**

3014

**12,90**

Rostfrei, antimagnetisch

*Stainless, antimagnetic*

145 mm

**40 SA-ESD**

3606

**13,50**

Wie 40 SA, jedoch ESD-beschichtet

*Same as 40 SA, but ESD-coated*

145 mm

**69 SA**

3019

**23,10**

Rostfrei, antimagnetisch

*Stainless, antimagnetic*

200 mm

**71 S**

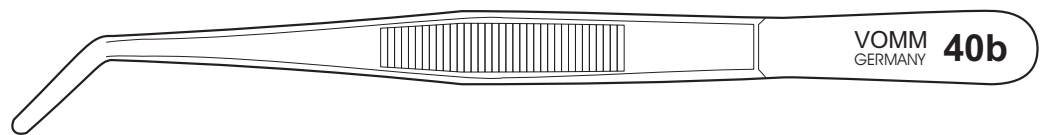
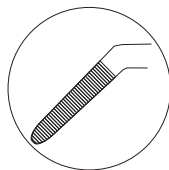
4412

**26,64**

Rostfrei, gehärtet

*Stainless, hardened*

250 mm



**40b**

3011

**10,22**

vernickelt

*nickel-plated*

145 mm

**42b**

3111

**16,54**

vernickelt

*nickel-plated*

200 mm

**44b SA**

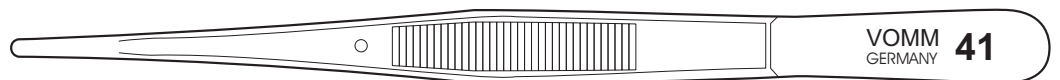
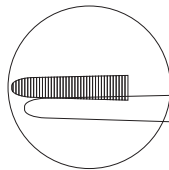
3211

**12,90**

Rostfrei, antimagnetisch

*Stainless, antimagnetic*

120 mm



Mit Führungsstift

with guide-pin

**41**

3012

**11,76**

vernickelt

*nickel-plated*

145 mm

**43**

3112

**17,50**

vernickelt

*nickel-plated*

200 mm

**45 SA**

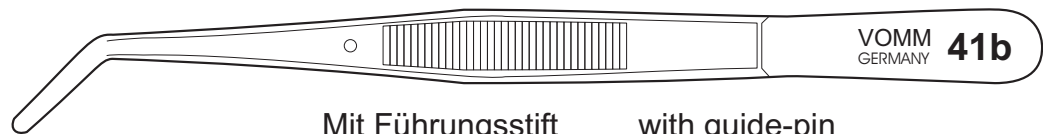
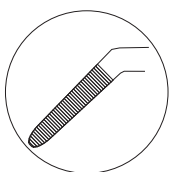
3212

**13,46**

Rostfrei, antimagnetisch

*Stainless, antimagnetic*

120 mm



Mit Führungsstift

with guide-pin

**41b**

3013

**12,50**

vernickelt

*nickel-plated*

145 mm

**43b**

3113

**18,44**

Vernickelt

*nickel-plated*

200 mm

**45b SA**

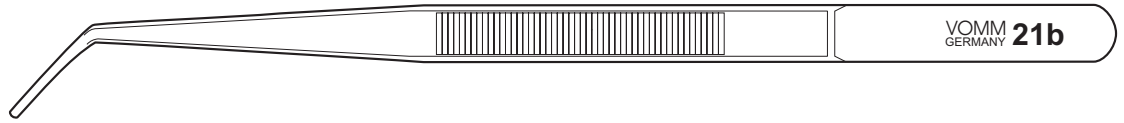
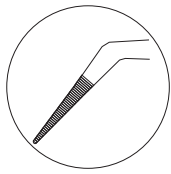
3213

**14,42**

Rostfrei, antimagnetisch

*Stainless, antimagnetic*

120 mm



VOMM GERMANY **21b**

**21b**

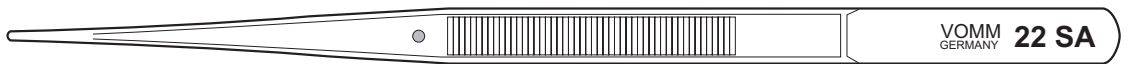
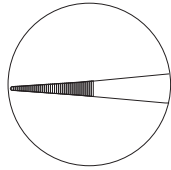
9152

**8,88**

Preisgünstige Universalpinzette, geriefelte Spitzen

*Low-Cost Tweezer, serrated points*

155 mm



VOMM GERMANY **22 SA**

Mit Führungsstift

with guide-pin

**22**

9155

**10,22**

vernickelt

nickel-plated

155 mm

**22 S**

9156

**11,76**

dto., aber Rostfrei

same, but stainless

155 mm

**22 SA**

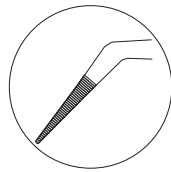
9159

**13,30**

dto., aber Antimagnetisch

same, but antimagnetic, stainless

155 mm



VOMM GERMANY **22b**

Mit Führungsstift

with guide-pin

**22b**

9153

**10,56**

wie Mod. 22, gebogen

same as Mod. 22, bent tips

155 mm

**22b S**

9154

**12,50**

wie Mod. 22 S, gebogen

same as Mod. 22 S, bent tips

155 mm

**22b SA**

9160

**13,64**

wie Mod. 22 SA, gebogen

same as Mod. 22 SA, bent tips

155 mm

*No Nickel-Allergy!*



VOMM GERMANY **22b SA-ESD**

155 mm

Mit Führungsstift

with guide-pin

**22b SA-ESD**

3632

**13,74**

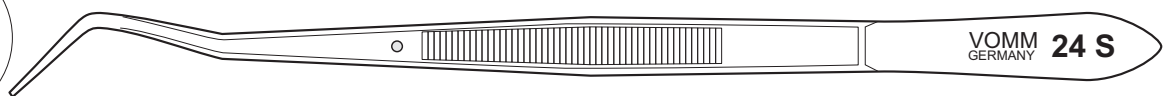
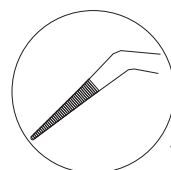
wie Modell 22b SA, jedoch ESD-beschichtet

**22 SA-ESD**

3607

**11,86**

same as Model 22 SA, but ESD-coated



VOMM GERMANY **24 S**

Mit Führungsstift

with guide-pin

**24 S**

9161

**17,32**

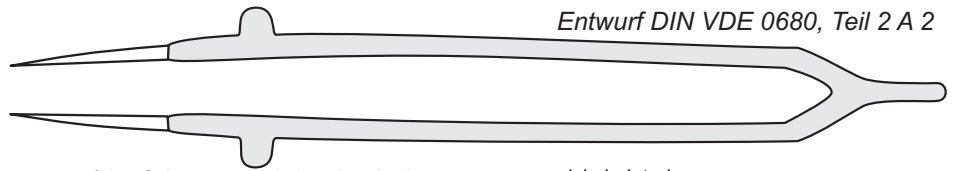
Typ Meriam, geriefelte Spitzen

*Meriam Type, serrated points*

155 mm



Entwurf DIN VDE 0680, Teil 2 A 2



**AA SEC**

8804 **15,94**

feine Spitzen, vernickelt, schutzisoliert *pointed tipsnickel-plated, Security-Insulation*

125 mm

**AA SA-SEC**

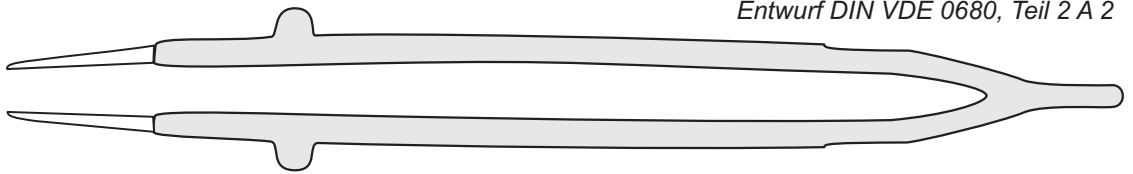
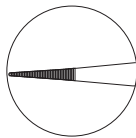
8805 **18,84**

(AA SA-SEC = Rostfrei, antimagnetisch) (AA SA-SEC = *Stainless, antimagnetic*)

125 mm



Entwurf DIN VDE 0680, Teil 2 A 2



**22 SEC**

8802 **15,94**

gerade, mittelfeine Spitzen, schutzisoliert (22b SEC=gebogen)

155 mm

**22b SEC**

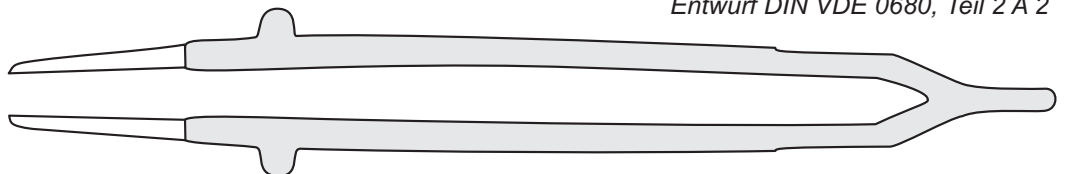
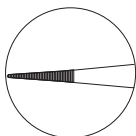
8803 **16,76**

straight, medium pointed, Security-Insulation (22b SEC=bent)

155 mm



Entwurf DIN VDE 0680, Teil 2 A 2



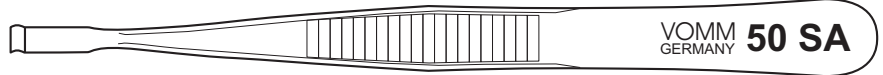
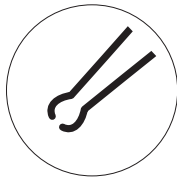
**40 SEC**

8801 **15,94**

gerade, breite Spitzen, schutzisoliert

straight, blunt pointed, Security-Insulation

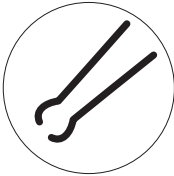
145 mm



**50 SA** 2141 13,82

3 mm schmale Spitze, Aufnahme  $\varnothing$  0,8 mm  
 3 mm wide tips,  $\varnothing$  0.8 mm

120 mm



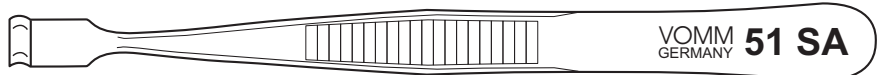
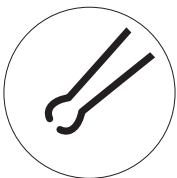
No Nickel-Allergy!



**50 SA-ESD** 3620 13,72

Wie 50 SA, jedoch ESD-beschichtet  
 Same as 50 SA, but ESD-coated

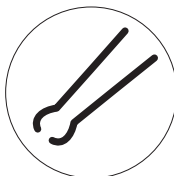
120 mm



**51 SA** 2148 13,82

6.5 mm breite Spitze, Aufnahme  $\varnothing$  1.5mm  
 6.5 mm wide tips,  $\varnothing$  1.5 mm

120 mm



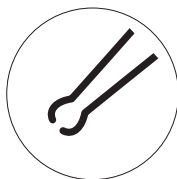
No Nickel-Allergy!



**51 SA-ESD** 3621 13,72

Wie 51 SA, jedoch ESD-beschichtet  
 Same as 51 SA, but ESD-coated

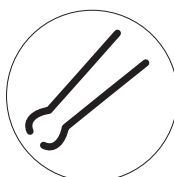
120 mm



**52 SA** 2149 13,82

6.5 mm breite Spitze, Aufnahme  $\varnothing$  3.5 mm  
 6.5 mm wide tips,  $\varnothing$  3.5 mm

120 mm



No Nickel-Allergy!

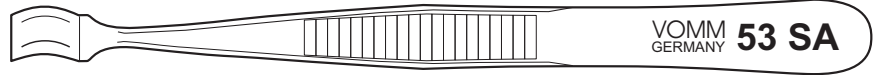
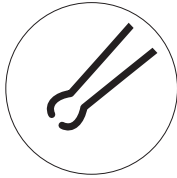


**52 SA-ESD** 3622 13,72

Wie 52 SA, jedoch ESD-beschichtet  
 Same as 52 SA, but ESD-coated

120 mm





**53 SA**

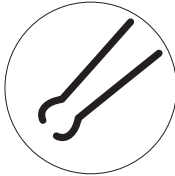
2150

**13,82**

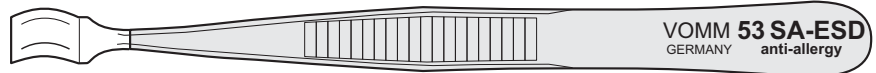
6.5 mm breite Spitze, Aufnahme  $\varnothing$ 6.5 mm

6.5 mm wide tips,  $\varnothing$  6.5 mm

120 mm



No Nickel-Allergy!



**53 SA-ESD**

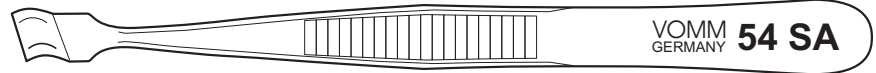
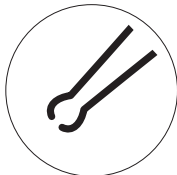
3626

**13,72**

Wie 53 SA, jedoch ESD-beschichtet

Same as 53 SA, but ESD-coated

120 mm



**54 SA**

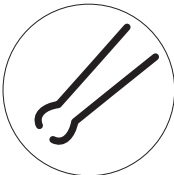
2146

**13,82**

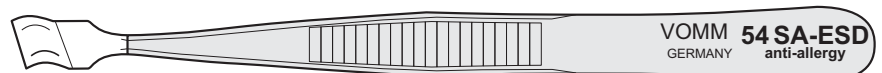
6.5 mm breite Spitze, diagonale Aufnahme  $\varnothing$ 3.5 mm

6.5 mm wide tips,  $\varnothing$ 3.5 mm diagonal

120 mm



No Nickel-Allergy!



**54 SA-ESD**

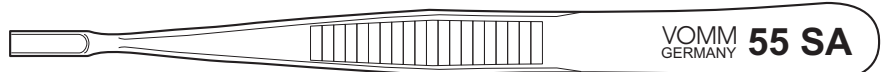
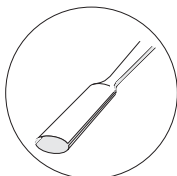
3623

**13,72**

Wie 54 SA, jedoch ESD-beschichtet

Same as 54 SA, but ESD-coated

120 mm



**55 SA**

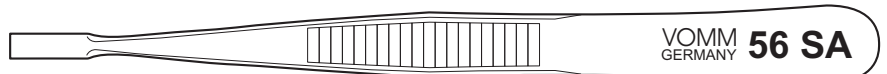
2155

**13,82**

Aufnahme  $\varnothing$ 2.0 mm

$\varnothing$  2.0 mm

120 mm



**56 SA**

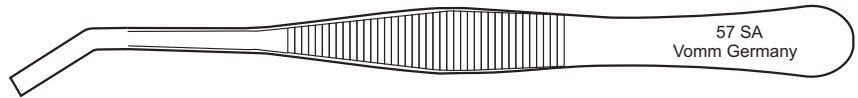
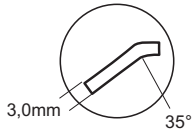
2151

**13,82**

Spitze 3 mm breit, flach

3 mm wide tips, flat

120 mm



**57 SA**

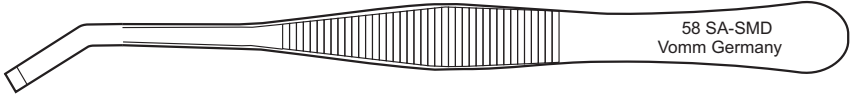
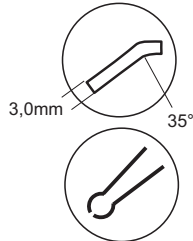
2152

**14,42**

Wie 56 SA, 3mm breit, 35° gebogen

Same as 56 SA, 3mm wide, 35° bent

120 mm



**58 SA-SMD**

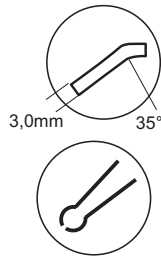
2142

**15,02**

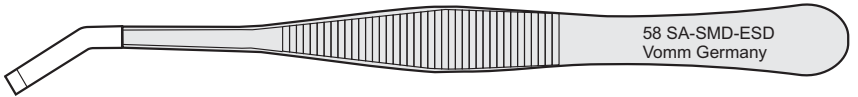
∅ 0.8 mm, 3mm breit, 35° gebogen

∅ 0.8 mm, 3mm wide, 35° bent

117 mm



No Nickel-Allergy!



**58 SA-SMD-ESD**

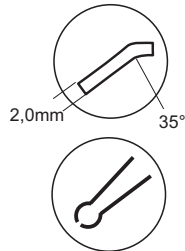
3614

**14,76**

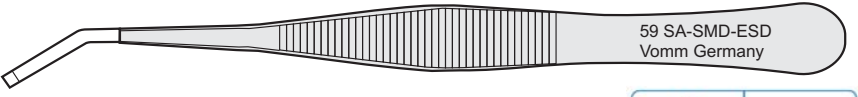
Wie 58 SA-SMD, jedoch ESD-beschichtet

Same as 58 SA-SMD, but ESD-coated

117 mm



No Nickel-Allergy!



**59 SA-SMD**

2143

**14,08**

∅ 0.8 mm, 2mm breit, 35° gebogen

∅ 0.8 mm, 2mm wide, 35° bent

117 mm

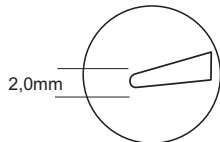
**59 SA-SMD-ESD**

3603

**14,76**

Wie 59 SA-SMD, jedoch ESD-beschichtet

Same as 59 SA-SMD, but ESD-coated



**112 SA**

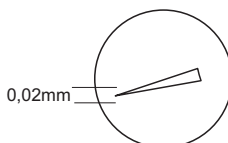
9215

**18,10**

Stumpfe Leichtpinzette, sehr dünn

Blunt Light Tweezer, very thin

100 mm



**113 SA**

9220

**19,02**

Spitze Leichtpinzette, sehr dünn

Pointed Light Tweezer, very thin

**114 SA**

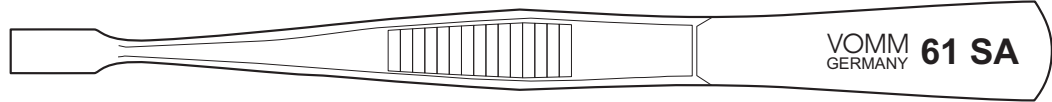
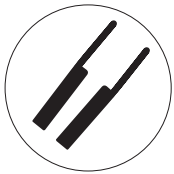
9221

**27,40**

Sporenpinzette microfeine Spitze

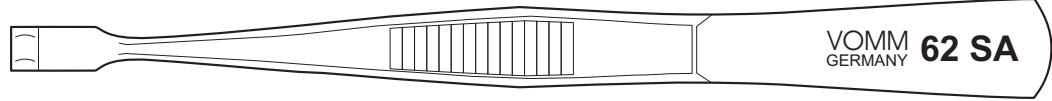
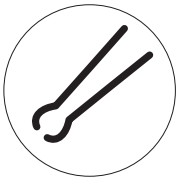
Tweezer for picking up spores Microfine tips

100 mm



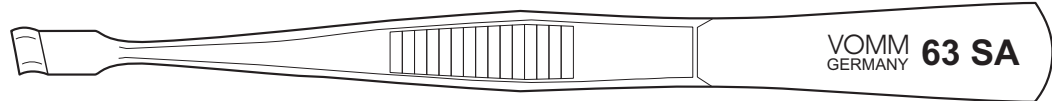
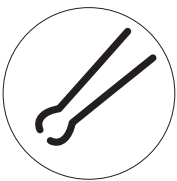
Wärmeableitpinzette mit Kupferbesatz

**61 SA** 3412 21,32 *Heat-sinking Tweezer with copper-plated tips* 145 mm



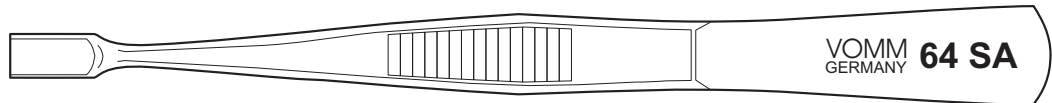
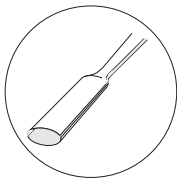
∅ 3,5 mm

**62 SA** 3416 16,34 ∅ 3,5 mm 145 mm



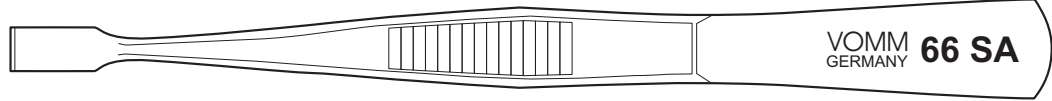
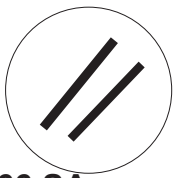
∅ 3,5 mm, diagonal

**63 SA** 3419 16,34 ∅ 3,5 mm, diagonal 145 mm

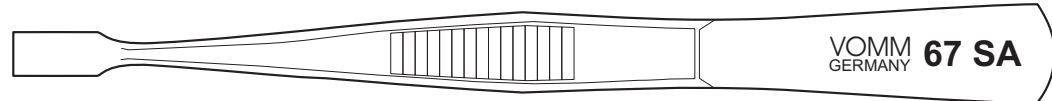
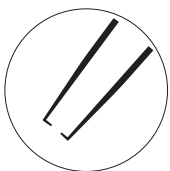


∅ 3,5 mm

**64 SA** 3414 16,34 ∅ 3,5 mm 145 mm

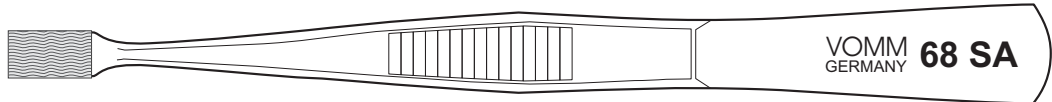


**66 SA** 3418 16,34 flach *flat* 145 mm  
**66b SA** 3411 25,60 gebogen *bent* 145 mm



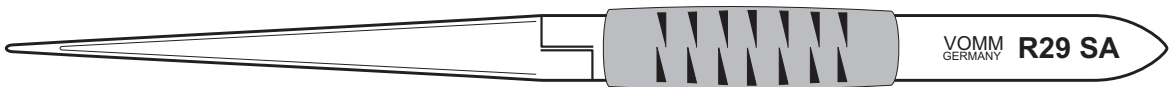
winklig

**67 SA** 3417 16,34 *bent* 145 mm

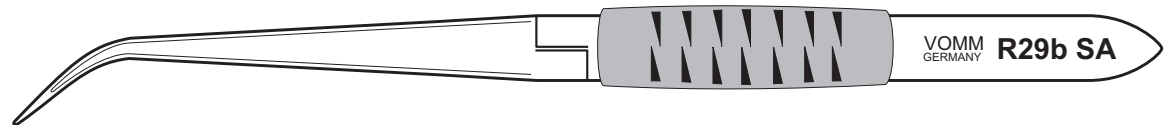


Spitze mit Silikon-Schutz

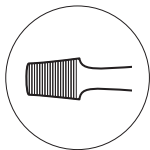
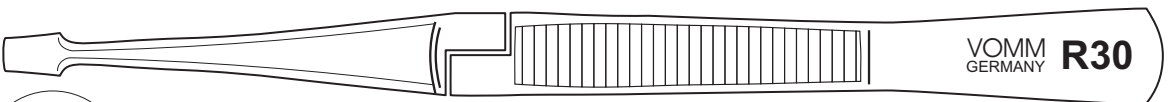
**68 SA** 3413 21,12 *Silicone covered tips* 145 mm



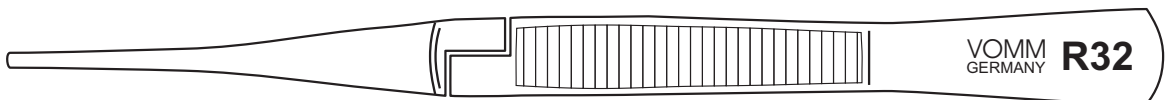
<b>R29</b>	3272	<b>14,04</b>	vernickelt	<i>nickel-plated</i>	160 mm
<b>R29 SA</b>	3270	<b>16,54</b>	Rostfrei, antimagnetisch	<i>stainless, antimagnetic</i>	160 mm



<b>R29b</b>	3273	<b>15,02</b>	vernickelt	<i>nickel-plated</i>	160 mm
<b>R29b SA</b>	3271	<b>17,50</b>	Rostfrei, antimagnetisch	<i>stainless, antimagnetic</i>	160 mm
<b>R29b SA-T</b>	3276	<b>27,94</b>	Wie R29b SA jedoch ganz Teflon beschichtet	<i>Same as R29b SA, but coated with Teflon</i>	160 mm

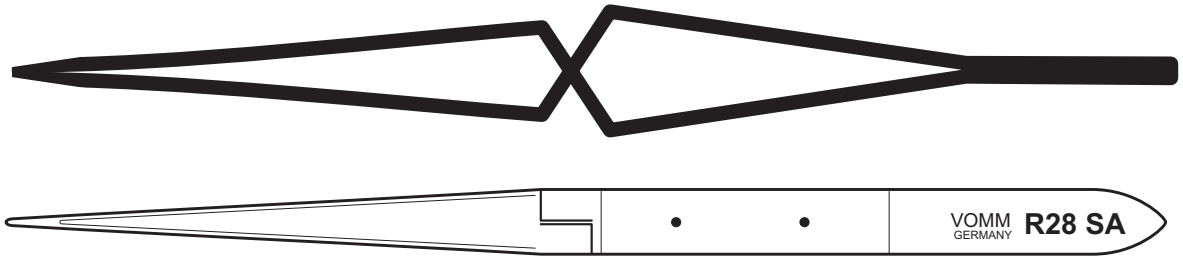


<b>R30</b>	8075	<b>13,46</b>	vernickelt, Spitze fein gezahnt	<i>nickel-plated, with fine serration</i>	160 mm
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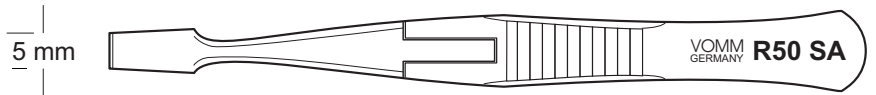


<b>R32</b>	3275	<b>20,94</b>	Wärmeableit-Kreuzpinzette, vernickelt <i>Heat-sinking, reversible Tweezer, nickel-plated</i>		160 mm
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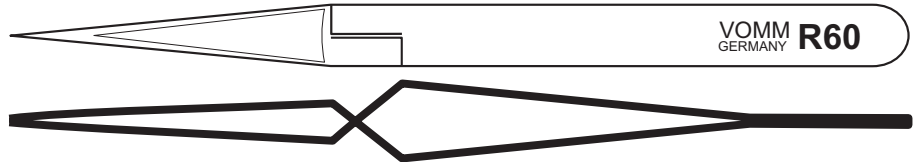




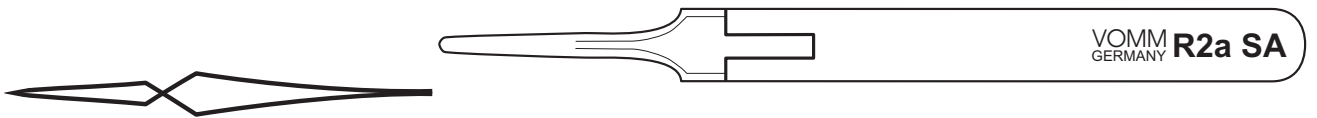
<b>R28 SA</b>	3274	<b>13,14</b>	Rostfrei, antimagnetisch <i>stainless, antimagnetic</i>	Preisgünstige Ausführung <i>Low-cost, nickel-plated</i>	160 mm
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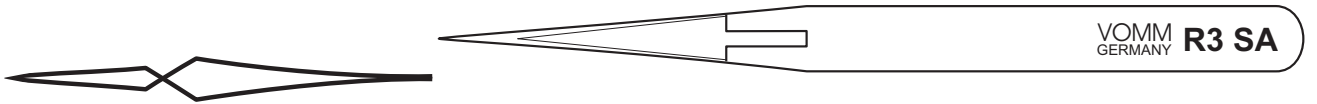
<b>R50 SA</b>	8050	<b>20,58</b>	Deckglaspinzette	<i>Cover-Glass Tweezer</i>	105 mm
<b>R50b SA</b>	8051	<b>22,84</b>	Dto., gebogen	<i>same, bent</i>	105 mm



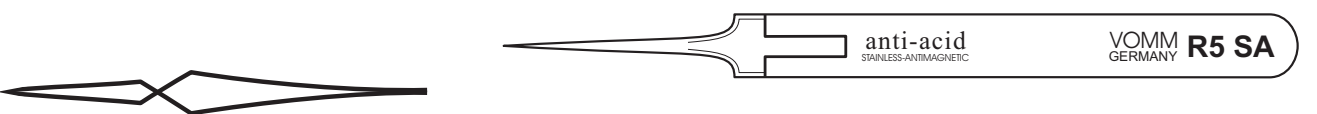
<b>R60</b>	8060	<b>13,82</b>	vernickelt, selbstklemmend	<i>Nickel-plated, reversible function</i>	120 mm
<b>R61</b>	8061	<b>15,22</b>	Wie R60, jedoch länger	<i>Same as R60, but longer</i>	160 mm



<b>R2a SA</b>	5802	<b>18,84</b>	Wie 2a SA, jedoch als durchgesteckte Kreuzpinzette	<i>Same as 2a SA, but self-locking and box-joint</i>	115 mm
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<b>R3 SA</b>	5803	<b>18,84</b>	Wie 3 SA, jedoch als durchgesteckte Kreuzpinzette	<i>Same as 3 SA, but self-locking and box-joint</i>	115 mm
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<b>R5 SA</b>	5805	<b>18,84</b>	Wie 5 SA, jedoch als durchgesteckte Kreuzpinzette	<i>Same as 5 SA, but self-locking and box-joint</i>	105 mm
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**R7a SA**

5807

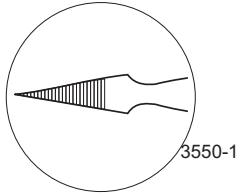
**22,66**

Wie 7a SA, jedoch als durchgesteckte Kreuzpinzette

*Same as 7a SA, but self-locking and box-joint*

115 mm

auch einzeln erhältlich, siehe B.-Nr. und Einzelpreis



Spitzen aus 3550-2

**KERAMIK**

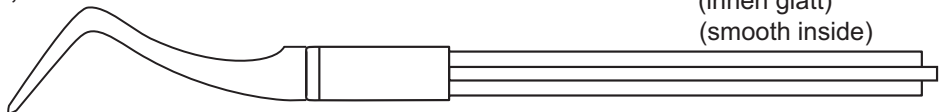
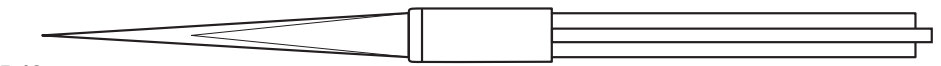
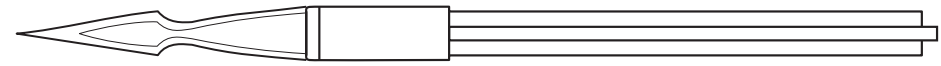
*Ceramic Tips*

3550-3

**128,72**

**135,42**

**153,50**



(innen glatt)  
(smooth inside)

**CERAMset**

3550

**341,42**

Satz von 3 versch. Keramikpinzetten mit Kunststoffgriff

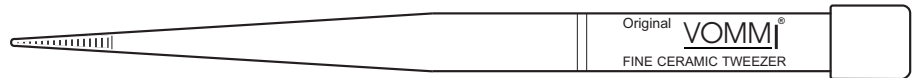
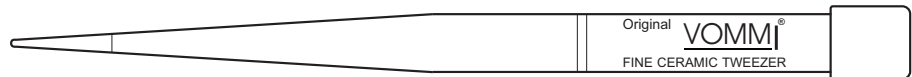
*Set of 3 different Ceramic Tweezers with handles made of Polyacetal*

130 mm

Massive

**KERAMIK**

*Solid Ceramic*



**AA CER**

8502

**93,18**

Spitze 1 mm breit, glatt

*Tips 1 mm width, smooth*

125 mm

**PSF CER**

8501

**93,18**

Wie AA CER, jedoch gezahnt

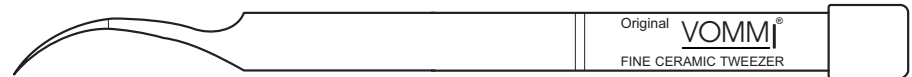
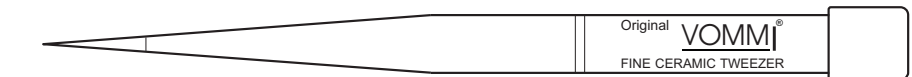
*Same as AA CER, but serrated*

125 mm

Massive

**KERAMIK**

*Solid Ceramic*



**3 CER**

8503

**109,56**

sehr spitz, glatt

*very pointed, smooth*

120 mm

**7a CER**

8507

**117,74**

Spitz, gebogen

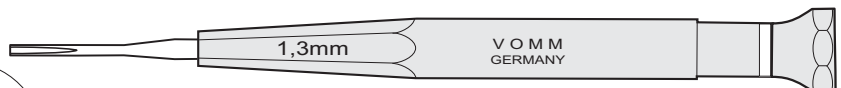
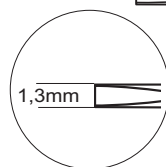
*Pointed, bent*

125 mm

Klingen aus

**KERAMIK**

*Ceramic Blades*



Antistatisch-schwarz

*Antistatic-black*

**TRIM 09**

6409-A

**25,36**

0.9 x 0.4 x 30 mm

110 mm

**TRIM 13**

6413-A

**25,36**

1.3 x 0.4 x 30 mm

110 mm

**TRIM 18**

6418-A

**25,36**

1.8 x 0.4 x 30 mm

110 mm

**TRIM 30**

6430-A

**25,36**

3.0 x 0.4 x 30 mm

110 mm

**TRIM 0**

6401-A

**31,08**

Philips 0

110 mm

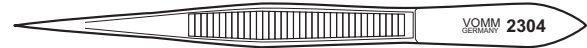
**TRIM 1**

6402-A

**31,08**

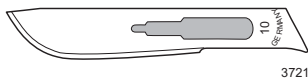
Philips 0 special

110 mm

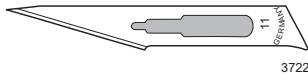


2301	<b>10,04</b>	Rostfreier Stahl
2302	<b>10,04</b>	dito
2303	<b>10,04</b>	dito
2304	<b>10,04</b>	dito
2306	<b>10,04</b>	dito
2307	<b>10,04</b>	dito

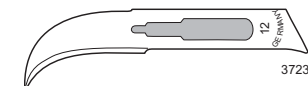
<i>Stainless Steel</i>	2301	80 mm
<i>same</i>	2302	80 mm
<i>same</i>	2303	80 mm
<i>same</i>	2304	80 mm
<i>same</i>	2306	80 mm
<i>same</i>	2307	80 mm



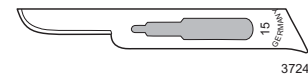
3721



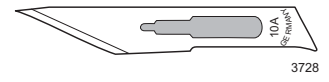
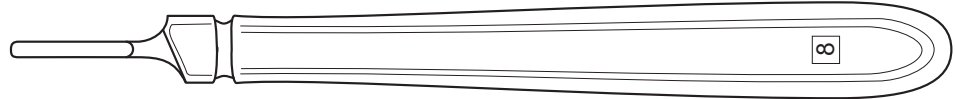
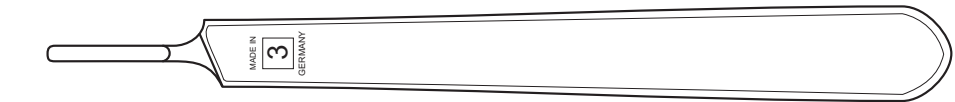
3722



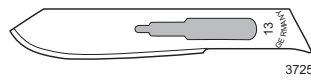
3723



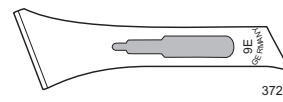
3724



3728



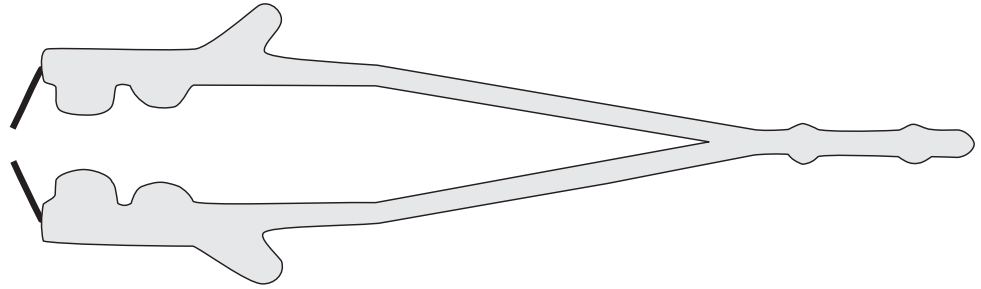
3725



3727

<b>3</b>	3730	<b>8,14</b>	Standard-Skalpellgriff, verchromt	<i>Scalpel-Handle, chrome-plated</i>	124 mm
<b>8</b>	3719	<b>39,52</b>	Hohlheft-Skalpellgriff	<i>Hollow Scalpel-Handle</i>	129 mm
	3721-3728	<b>1,00</b>	Skalpellklingen (Preis/Stück)	<i>Scalpel-Blades (price/piece)</i>	

Klingen 5950 **5,80** Paar von Ø 0,2mm bis Ø 1,2mm *Blades - Pair - from Ø 0,2mm up to Ø 1,2mm*



Lackabkratzer für isolierte Drähte  
*Wire-Scraper*

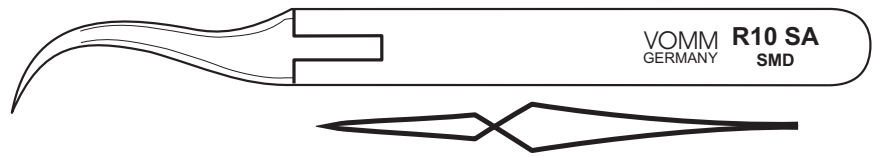
**WS2** 6000 **24,00**

130 mm



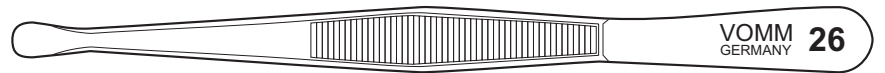
6610 **32,70**

**R10 SA-SMD**



Für SMD-Chips, durchgesteckt und selbstklemmend  
*For SMT-Chips, reversible-function and box-joint*

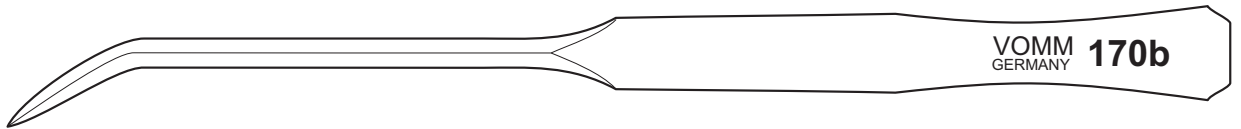
117 mm



**26** 3350 **7,54**

Runde, dünne Spitzen  
*Round and flat tips*

120 mm



**170** 3280 **13,64**

vernickelt, gerade

*Nickel-plated, straight*

170 mm

**170b** 3281 **14,42**

Dto., gebogen

*same, but bent*

170 mm



**80** 9551 **5,04**

Blechpinzette, vernickelt

*Low-Cost, nickel-plated*

120 mm

**81** 9552 **5,80**

Wie 80, nur länger

*Same as 80, but longer*

140 mm

**82** 9553 **6,40**

Wie 80, nur länger

*Same as 80, but longer*

160 mm



**80L** 9366 **9,64**

Mit Feststellschieber, vernickelt

*With Slide-Lock, nickel-plated*

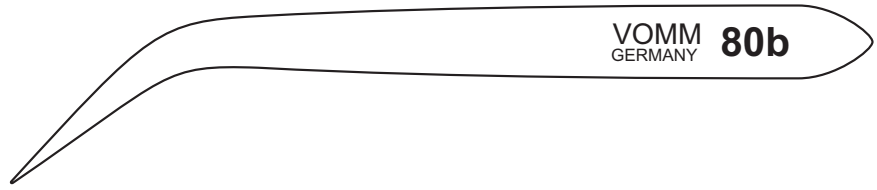
120 mm

**82L** 9367 **11,16**

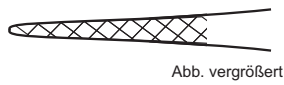
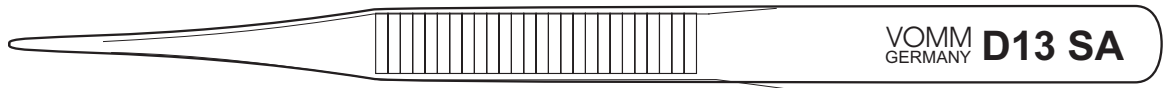
Wie 80L, nur länger

*Same as 80L, but longer*

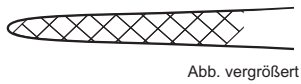
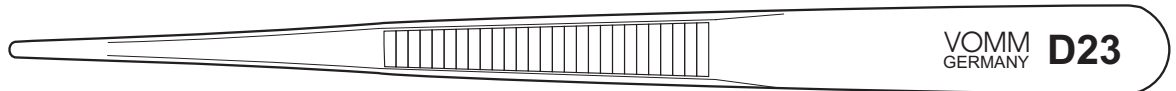
160 mm



<b>80b</b>	8000	<b>6,40</b>	Vernickelt	<i>Nickel-plated</i>	120 mm
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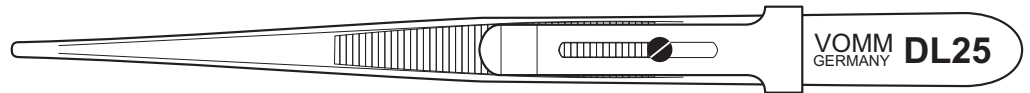
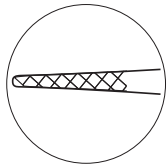
<b>D11</b>	9710	<b>9,64</b>	Vernickelt	<i>Nickel-plated</i>	120 mm
<b>D12</b>	9712	<b>10,56</b>	Vernickelt	<i>Nickel-plated</i>	140 mm
<b>D13</b>	9714	<b>13,06</b>	Vernickelt	<i>Nickel-plated</i>	160 mm
<b>D11 S</b>	9711	<b>11,94</b>	Wie D11, jedoch rostfrei	<i>Same as D11, but Stainless</i>	120 mm
<b>D12 S</b>	9713	<b>13,46</b>	Wie D12, jedoch rostfrei	<i>Same as D12, but Stainless</i>	140 mm
<b>D13 S</b>	9716	<b>14,04</b>	Wie D13, jedoch rostfrei	<i>Same as D13, but Stainless</i>	160 mm
<b>D13 SA</b>	9709	<b>15,02</b>	Wie D13 S, jedoch antimagnetisch	<i>Same as D13 S, but antimagnetic</i>	160 mm



<b>D21</b>	9717	<b>9,64</b>	Vernickelt	<i>Nickel-plated</i>	120 mm
<b>D22</b>	9719	<b>10,56</b>	Vernickelt	<i>Nickel-plated</i>	140 mm
<b>D23</b>	9721	<b>13,30</b>	Vernickelt	<i>Nickel-plated</i>	160 mm
<b>D21 S</b>	9718	<b>11,76</b>	Wie D21, jedoch rostfrei	<i>Same as D21, but Stainless</i>	120 mm
<b>D22 S</b>	9720	<b>13,30</b>	Wie D22, jedoch rostfrei	<i>Same as D22, but Stainless</i>	140 mm
<b>D23 S</b>	9722	<b>14,04</b>	Wie D23, jedoch rostfrei	<i>Same as D23, but Stainless</i>	160 mm



<b>D3</b>	9723	<b>11,54</b>	Sehr spitz, vernickelt	<i>Very pointed, nickel-plated</i>	140 mm
<b>D3 S</b>	9724	<b>14,24</b>	Wie D3, jedoch rostfrei	<i>Same as D3, but Stainless</i>	140 mm



<b>DL15</b>	9715	<b>25,12</b>	Mit Feststellschieber, vernickelt	<i>With Slide-Lock, nickel-plated</i>	160 mm
<b>DL25</b>	9725	<b>23,70</b>	Wie DL15, nur kürzer	<i>Same as DL15, but shorter</i>	140 mm



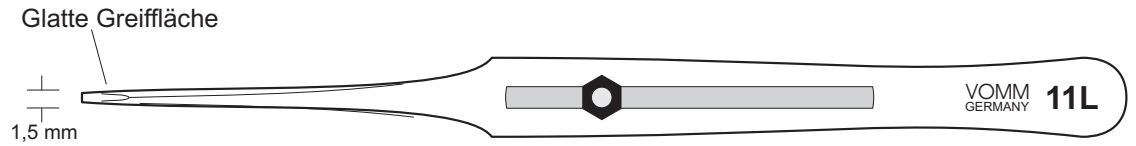
<b>19 SA-SMD</b>	6619	<b>18,94</b>	Mit Einfräsung, $\varnothing 0,5\text{mm}$	<i>With milled slot, <math>\varnothing 0,5\text{ mm}</math></i>	120 mm
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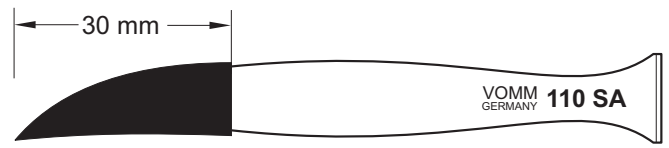
<b>D</b>	6500	<b>16,34</b>	Schneidepinzette	<i>Cutting-Tweezer</i>	95 mm
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<b>11</b>	8600	<b>13,46</b>	Vernickelt	<i>Nickel-plated</i>	115 mm
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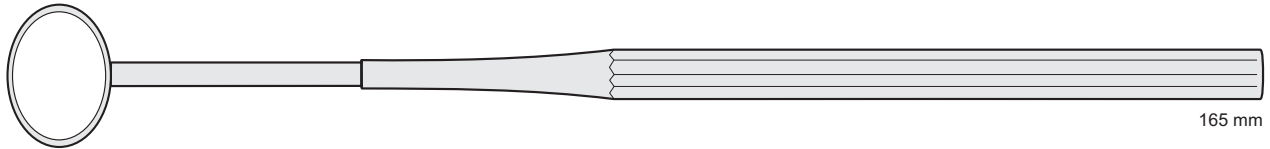
<b>11L</b>	8610	<b>22,10</b>	Mit Feststellschieber, vernickelt	<i>With slide-lock, nickel-plated</i>	145 mm
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<b>110 SA</b>	9210	<b>19,62</b>	Wägepinzette, Spitze aus Kunststoff	<i>Weight Tweezer, Plastic Tips</i>	95 mm
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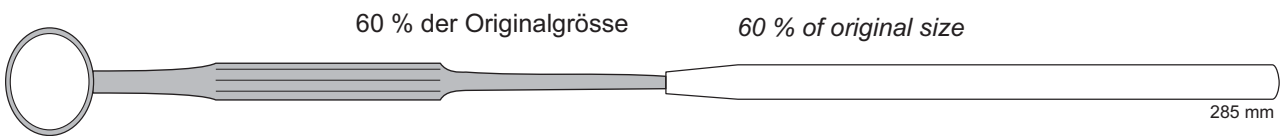


0450 **13,30** Kunststoffgriff, Spiegel  $\varnothing$ 14 mm *Plastic handle, mirror  $\varnothing$ 14 mm* 165 mm



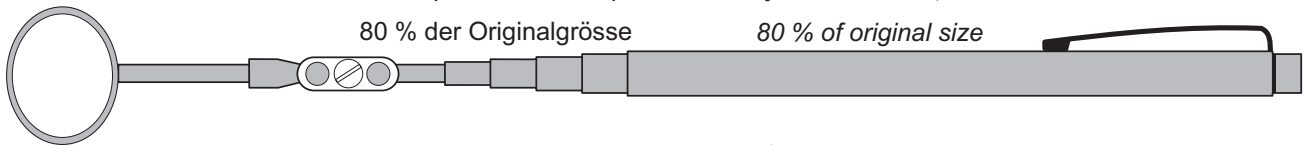
0455 **18,56** Rostfreier Griff, Spiegel  $\varnothing$ 20 mm *Stainless Steel handle, mirror  $\varnothing$ 20 mm*

0456 **10,94** Griff Vernickelt, Spiegel Rostfrei  $\varnothing$ 20 mm  
*Nickel-plated handle, Stainless steel mirror  $\varnothing$ 20 mm*



0460 **15,02** Kunststoff, 2-teiliger Griff, Spiegel  $\varnothing$ 18 mm *Plastic, handle consists of 2 parts, mirror  $\varnothing$ 18 mm*

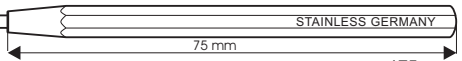
0466 **67,34** Vernickelt, Teleskopgriff, Spiegel  $\varnothing$ 18 mm und verstellbar  
*Nickel-plated, telescope-handle, adjustable mirror  $\varnothing$ 18 mm*



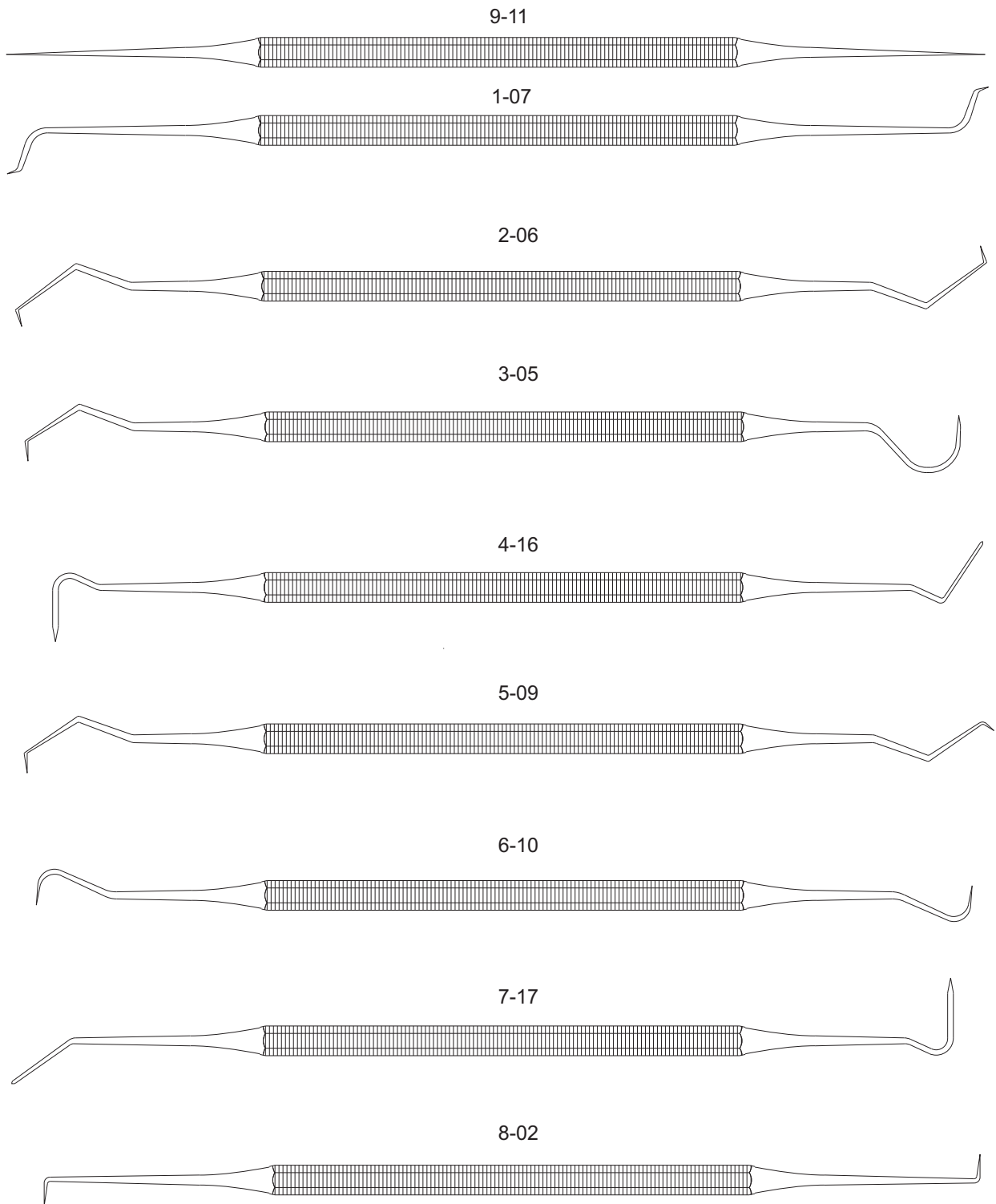
0468 **87,10** Vernickelt, Teleskopgriff, Spiegel  $\varnothing$ 60 mm und verstellbar  
*Nickel-plated, telescope-handle, adjustable mirror  $\varnothing$ 60 mm* 10 -300 mm

Griffe können individuell bestückt werden		Handles can be equipped individually	
85 % der Originalgrösse		85 % of original size	
0410	<b>21,20</b>	$\varnothing$ 10 mm	175 mm
0414	<b>21,20</b>	$\varnothing$ 14 mm	180 mm
0416	<b>21,20</b>	$\varnothing$ 16 mm	180 mm
0418	<b>21,20</b>	$\varnothing$ 18 mm	180 mm
0420	<b>18,02</b>	$\varnothing$ 20 mm	180 mm
0422	<b>18,02</b>	$\varnothing$ 22 mm	180 mm
0424	<b>18,02</b>	$\varnothing$ 24 mm	180 mm
0426	<b>18,02</b>	$\varnothing$ 26 mm	185 mm
0428	<b>21,20</b>	$\varnothing$ 28 mm	190 mm
0430	<b>21,20</b>	$\varnothing$ 30 mm	190 mm

Kehlkopfspiegel      Laryngoscopes  
 Gesamtlängen      Total Lengths



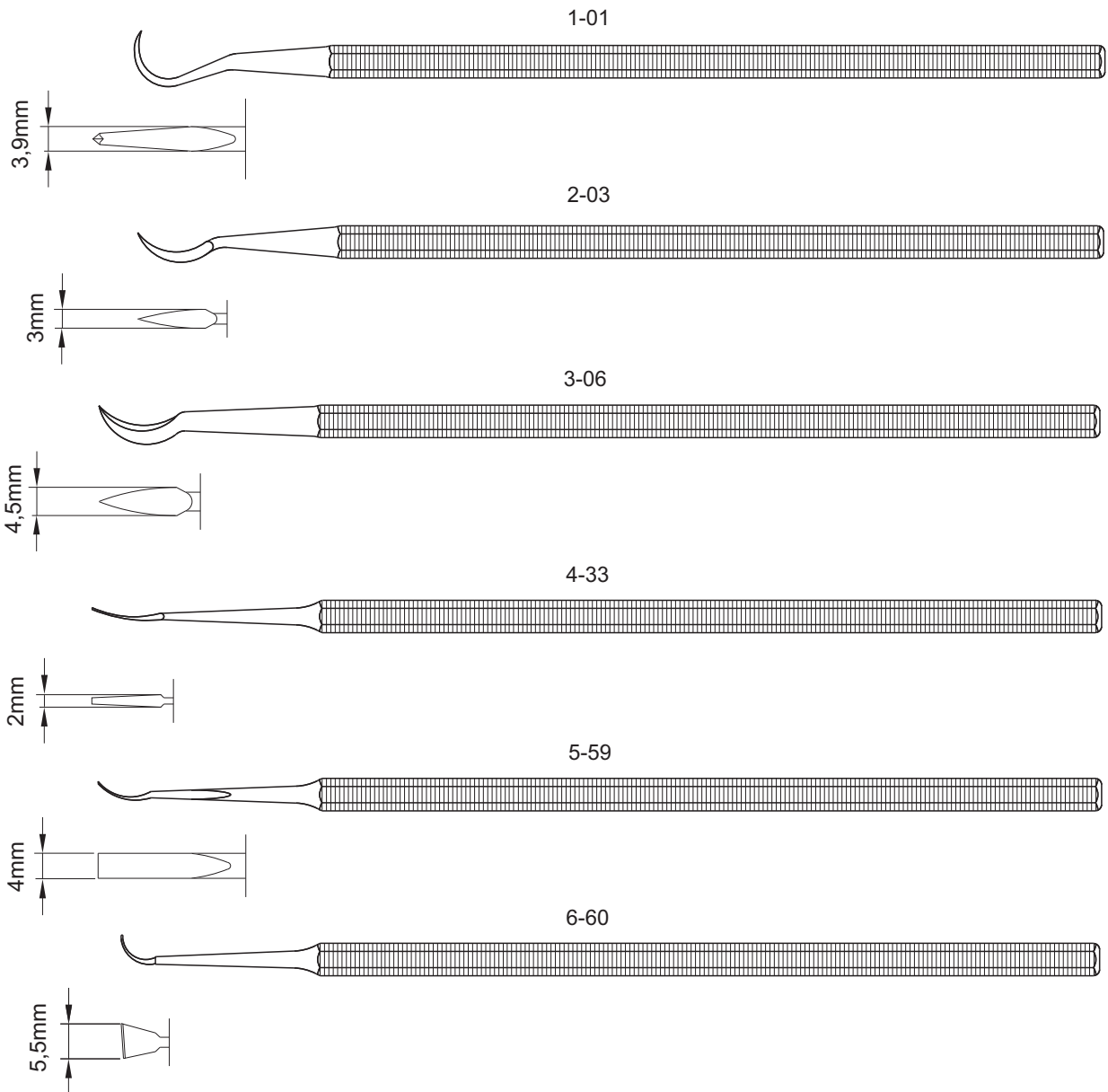
Haken, Sonden, Excavatoren, Typ Dental, aus rostfreiem Stahl gehärtet für Arbeiten auf Leiterplatten, zum Modellieren  
*Hooks, probes and excavators, dental type, made of stainless steel hardened for works on PCB's, modelling*



		Sonden, 9-teiliger Satz, zum Hebeln und Entfernen von Bauteilen Modelle sind auch einzeln erhältlich (Art.-Nr. 3220 + Haken-Nr.)
	Preis/Satz:	
	Price/set:	<b>151,68</b>
Art.-Nr. 3220	Preis/Stück:	<i>Set of 9 probes, for levering and removing components</i>
	Price/piece:	<b>17,70</b> <i>Models are also available separately (Art.-No. 3220 + hook no.)</i>



Haken, Sonden, Excavatoren, Typ Dental, aus rostfreiem Stahl gehärtet für Arbeiten auf Leiterplatten, zum Modellieren  
*Hooks, probes and excavators, dental type, made of stainless steel hardened for works on PCB's, modelling*



Art.-Nr. 3230

Preis/Satz:

Price/set: **140,74**

Preis/Stück:

Price/piece: **24,14**

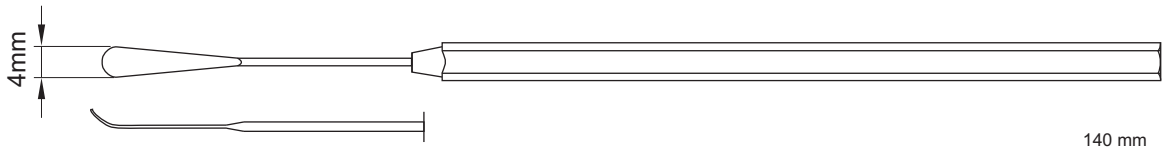
Haken, 6-teiliger Satz, scharf, für Leiterbahnen,  
zum Schneiden und Markieren.

Haken sind auch einzeln erhältlich (Art.-Nr. 3230 + Haken-Nr.)

*Set of 6 hooks, sharp, for printed conductors,  
for cutting and marking*

*Models are also available separately (Art.-No. 3230 + hook no.)*

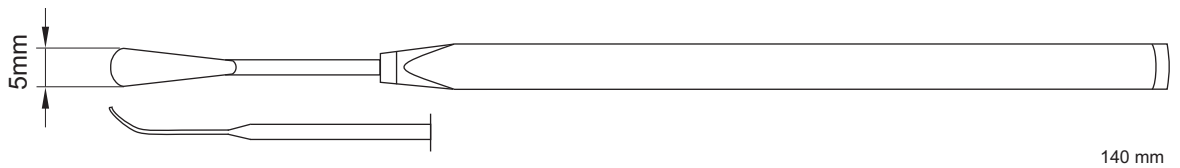
# Mikrospatel



3240

**13,30**

Mikrospatel aus Chrom/Nickel-Edelstahl, löffelförmig, 4mm breit  
*Micro-spatula of Chrome/Nickel-Steel, spoon-shaped, 4mm wide*



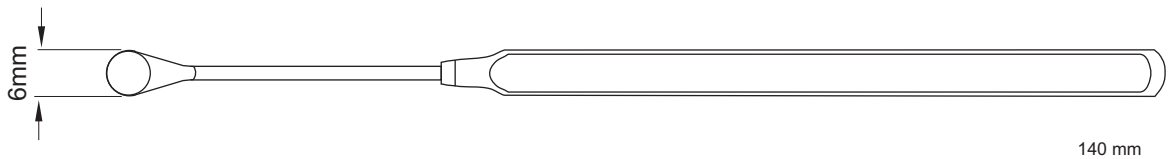
3241

**13,30**

Mikrospatel aus Chrom/Nickel-Edelstahl, löffelförmig, 5mm breit  
*Micro-spatula of Chrome/Nickel-Steel, spoon-shaped, 5mm wide*

Sonderausführungen:  
 universal verwendbare Teile

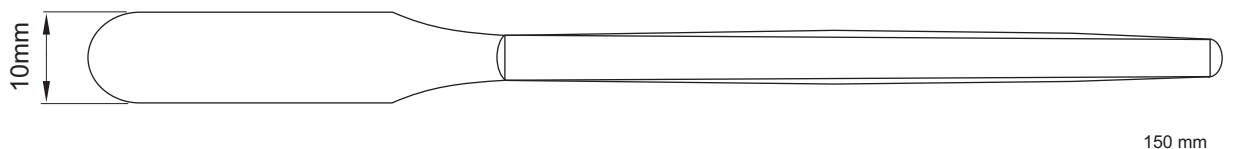
Special models:  
 multi-purpose versatility



3245

**16,04**

Mikrolöffelchen aus Chrom/Nickel-Edelstahl, 5mm breit  
*Micro-spoon of Chrome/Nickel-Steel, 5mm wide*



3254

**16,04**

Spatel aus Chrom/Nickel-Edelstahl, 10mm breit  
*Spatula of Chrome/Nickel-Steel, 10mm wide*



3221

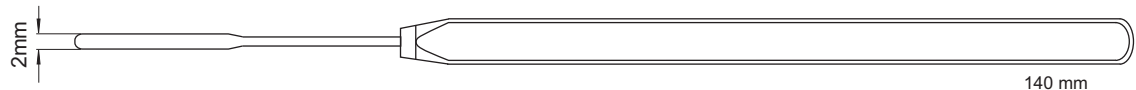
**15,54**

Löthaken aus Chrom/Nickel-Edelstahl, für Kabel und Drähte  
*Soldering hook of Chrome/Nickel-Steel for cables and wires*

165 mm

## Spezial: Microspatel

sehr leichte Ausführung/ präzise arbeitend

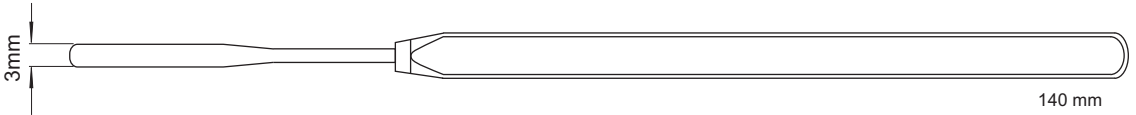


3250

**15,54**

Micro, flach, 2mm breit, aus Chrom/Nickel-Edelstahl

*Micro, flat, 2mm wide, of Chrome/Nickel-Steel*

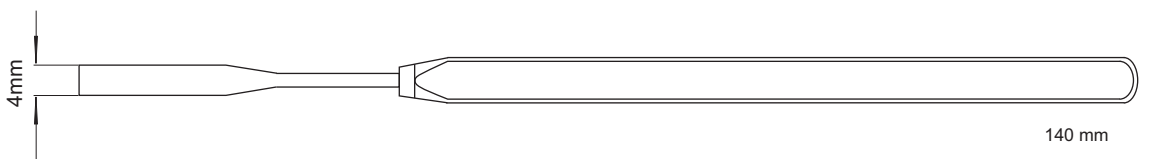


3251

**15,54**

Micro, flach, 3mm breit, aus Chrom/Nickel-Edelstahl

*Micro, flat, 3mm wide, of Chrome/Nickel-Steel*

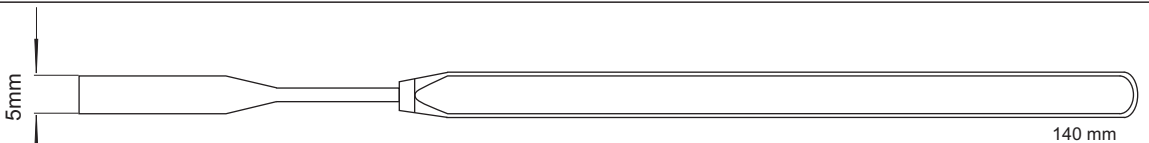


3252

**15,54**

Micro, flach, 4mm breit, aus Chrom/Nickel-Edelstahl

*Micro, flat, 4mm wide, of Chrome/Nickel-Steel*



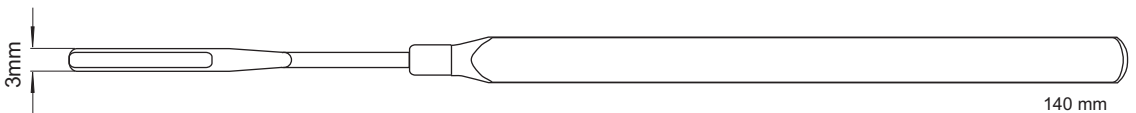
3253

**15,54**

Micro, flach, 5mm breit, aus Chrom/Nickel-Edelstahl

*Micro, flat, 5mm wide, of Chrome/Nickel-Steel*

## Pulverspatel winklige Ausführung, längs hohlgeformt

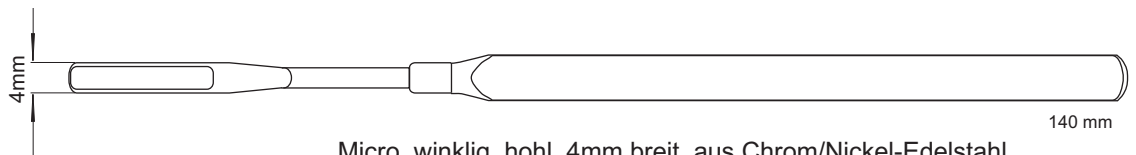


3260

**17,00**

Micro, winklig, hohl, 3mm breit, aus Chrom/Nickel-Edelstahl

*Micro, twisty, concave, 3mm wide, of Chrome/Nickel-Steel*

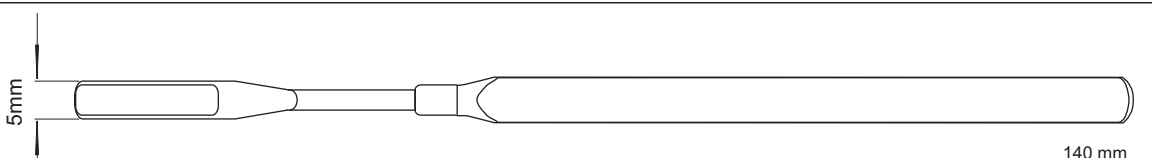


3261

**17,00**

Micro, winklig, hohl, 4mm breit, aus Chrom/Nickel-Edelstahl

*Micro, twisty, concave, 4mm wide, of Chrome/Nickel-Steel*



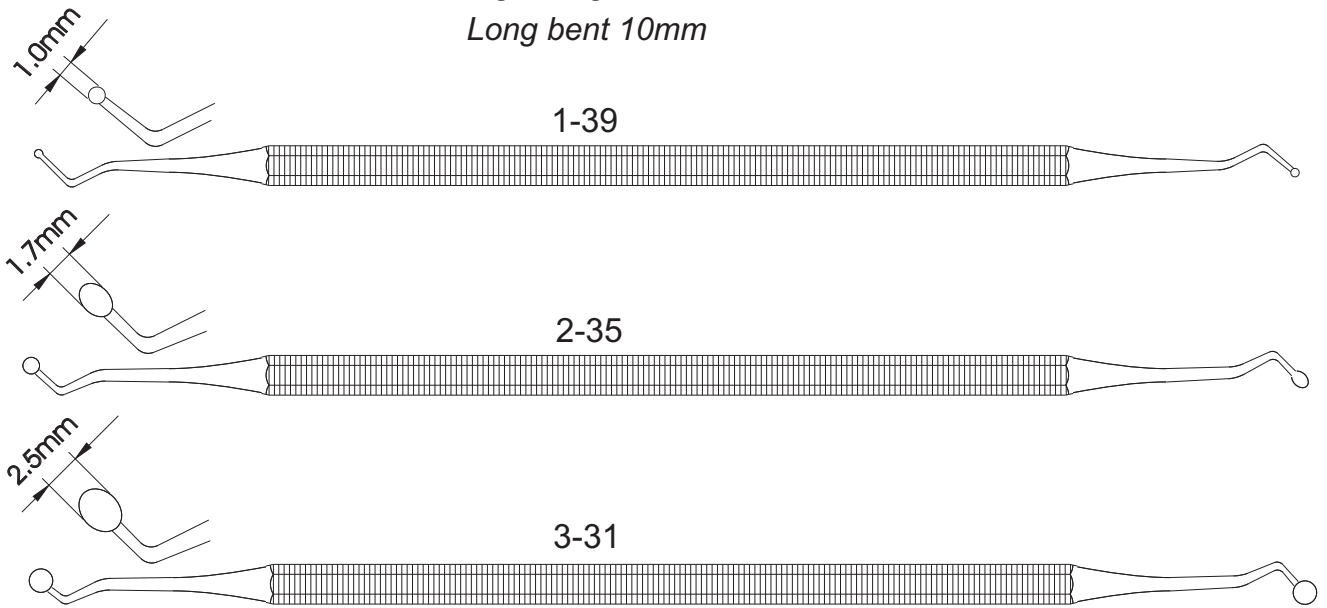
3262

**17,00**

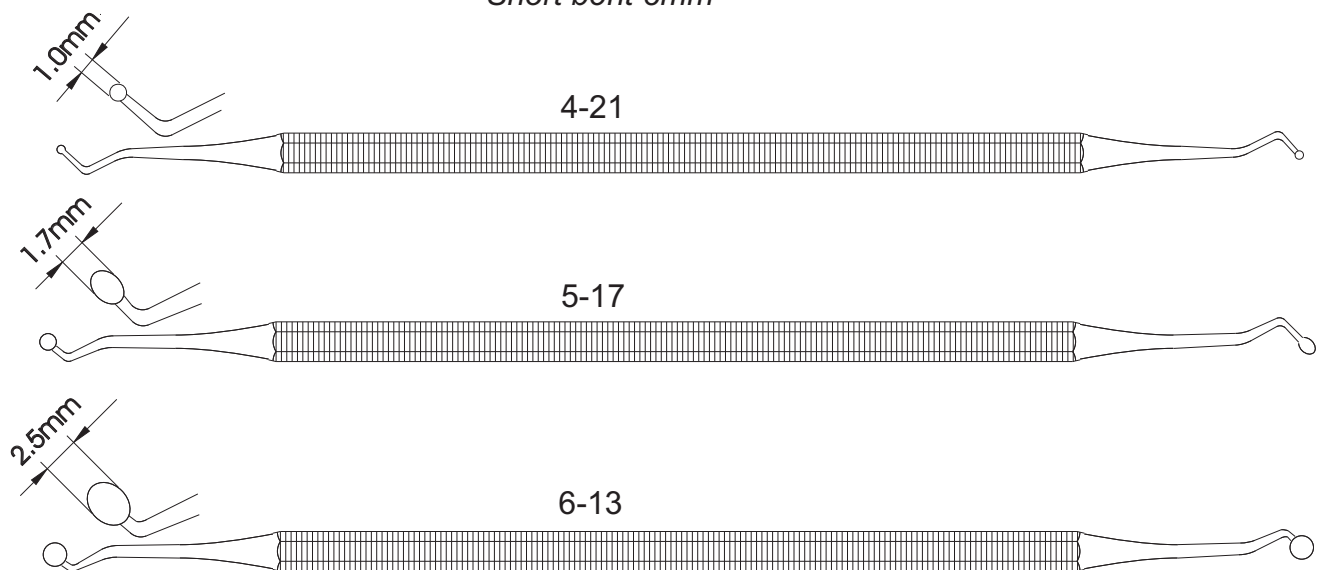
Micro, winklig, hohl, 5mm breit, aus Chrom/Nickel-Edelstahl

*Micro, twisty, concave, 5mm wide, of Chrome/Nickel-Steel*

Langer Bogen 10mm  
Long bent 10mm



Kurzer Bogen 8mm  
Short bent 8mm



3225

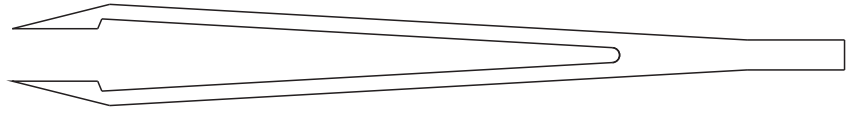
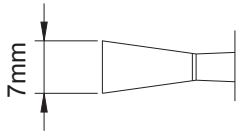
Preis/Satz  
Price/Set **139,24**

Excavatoren, aus rostfreiem Stahl gehärtet, 6-teiliger Satz, als Mini-Spatel verwendbar  
Modelle sind auch einzeln erhältlich (Art.-Nr. + Spiegel-Nr.)

Preis/Stk.  
Price/Piece **24,72**

Set of 6 excavators, of stainless steel hardened, can be used as mini-spatulas  
Models are also available separately (Art.-No. + mirror-No.)

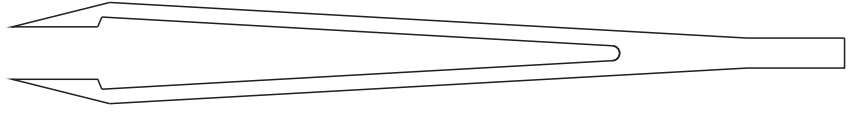
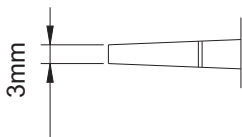
# Nichtmetallische Handwerkzeuge



110mm  
4 1/2 inch

03      5300      **8,86**

Dünne, 7mm breite Spitze, Delrin, glasfaserverstärkt  
*7mm wide, thin points, glass-filled Delrin*



110mm  
4 1/2 inch

100      5322      **6,88**

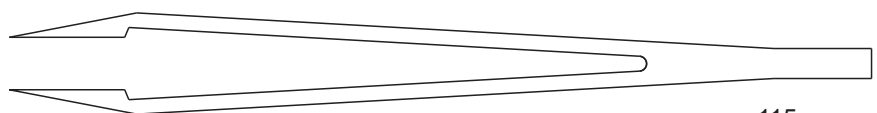
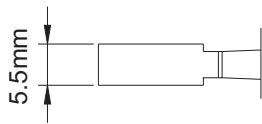
Dünne, flach-breite Spitze, 3mm breit, Delrin, glasfaserverstärkt  
*Thin tips, 3mm wide, glass-filled Delrin*

100-AS      5323      **9,20**

Dito, jedoch aus leitfähiger CARBON-Faser  
*Same, but made of conductive Carbon Fibre*

100-1      5324      **8,42**

Dito, jedoch aus linearem Polyethylen, säurefest  
*Same, but made of linear polyethylene, acid-resistant*



115mm  
4 1/2 inch

04      5336      **8,06**

Dünne Spitze, 5,5mm breit, Delrin, glasfaserverstärkt  
*Flat points, 5,5mm wide, glass-filled Delrin*

05      5338      **8,04**

7,5mm breit/wide

06      5302      **8,04**

9mm breit/wide

07      5304      **8,42**

12mm breit/wide



04-1      5337      **8,42**

Dito, jedoch aus säurebeständigem Polyethylen  
*Same, but made of acid-resistant Polyethylene*

05-1      5339      **8,86**

7,5mm breit/wide

06-1      5303      **8,86**

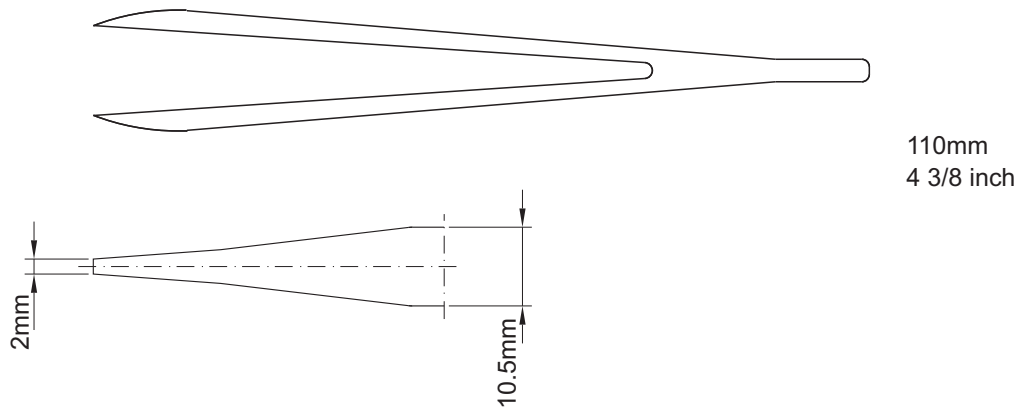
9mm breit/wide

07-1      5305      **9,20**

12mm breit/wide



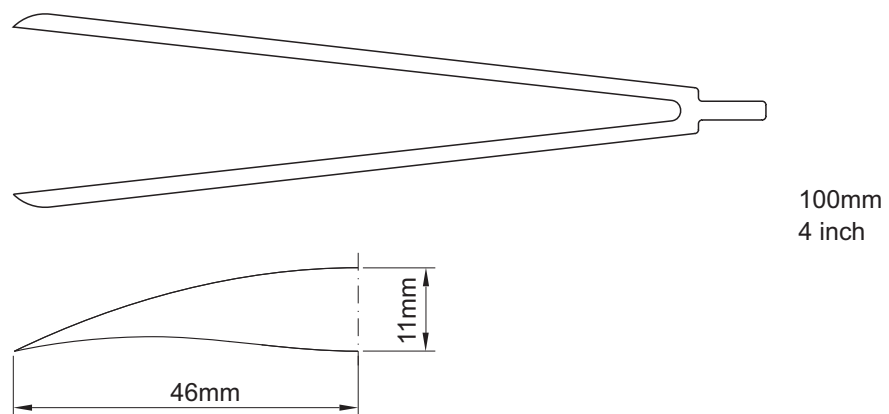
# Nichtmetallische Handwerkzeuge



110mm  
4 3/8 inch

1A 5315 **17,18** Starke Spitze, 3mm breit, CTFE, säurebeständig, 200°C  
*Strong points, 3mm wide, CTFE, acid-resistant, 200°C*

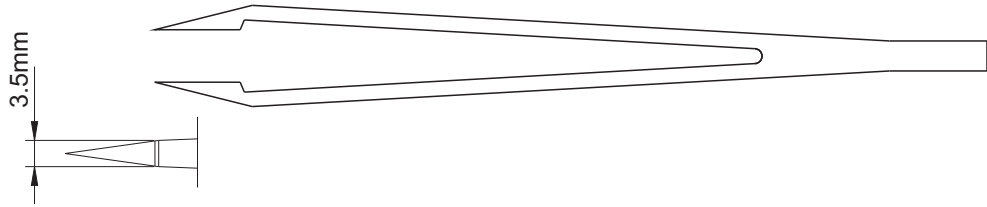
1A-1 5314 **17,52** dito, jedoch mit Riefelung an den Innenspitzen  
*same, but with serrated points*



100mm  
4 inch

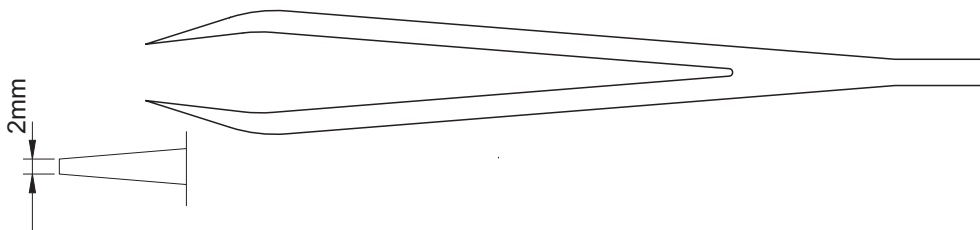
500 5328 **8,42** Wägepinzette aus glasfaserverstärktem Delrin, sehr spitz  
*Weight Tweezer made of glass-filled Delrin, very pointed*

# Nichtmetallische Handwerkzeuge



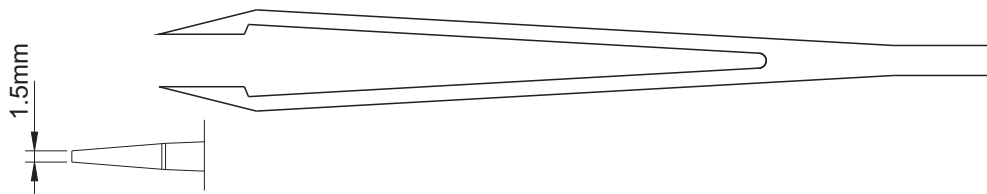
110mm  
4 3/8inch

- |       |      |             |  |
|-------|------|-------------|--|
| 01    | 5310 | <b>7,30</b> | Sehr feine Spitze, Delrin, glasfaserverstärkt<br><i>Special superfine points, Delrin, glass-filled</i> |
| 01-AS | 5311 | <b>9,20</b> | dito, jedoch aus leitfähiger CARBON-Faser<br><i>Same, but made of conductive Carbon Fibre</i>          |



110mm  
4 3/8inch

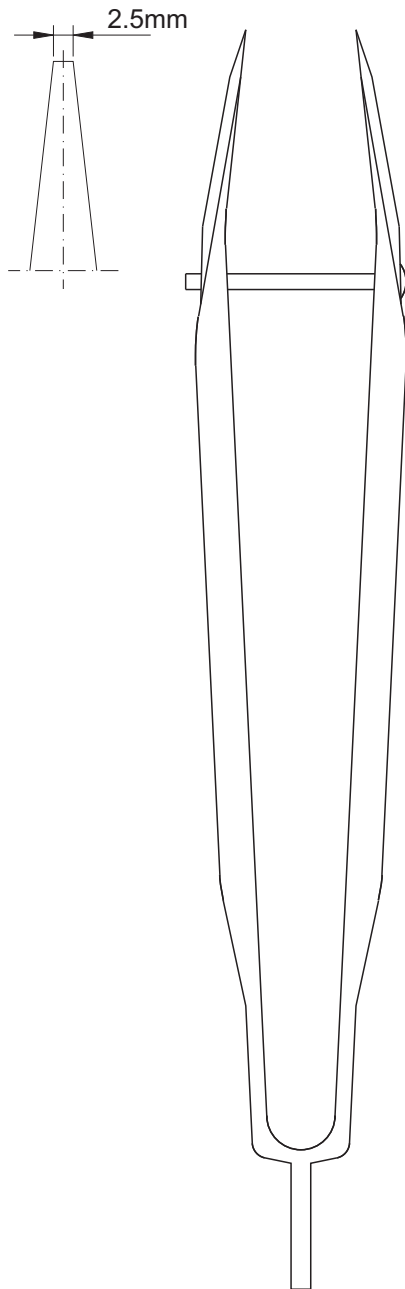
- |     |      |             |   |
|-----|------|-------------|---|
| 2aH | 5316 | <b>6,92</b> | Flache, kräftige Spitze, 3mm breit, aus weichem Delrin, grün<br><i>Flat, strong points, 3mm wide, made of softer Delrin</i> |
| 3aH | 5317 | <b>6,92</b> | dito, jedoch aus Delrin, glasfaserverstärkt<br><i>Same, but made of glass-filled Delrin</i>                                 |



110mm  
4 3/8inch

- |       |      |             |  |
|-------|------|-------------|--|
| 02    | 5334 | <b>6,92</b> | Dünne, 1,5mm breite Spitze, Delrin, glasfaserverstärkt<br><i>Flat points, 1mm wide, Delrin, glass-filled</i> |
| 02-AS | 5335 | <b>9,20</b> | dito, jedoch aus leitfähiger CARBON-Faser<br><i>Same, but made of conductive Carbon Fibre</i>                |

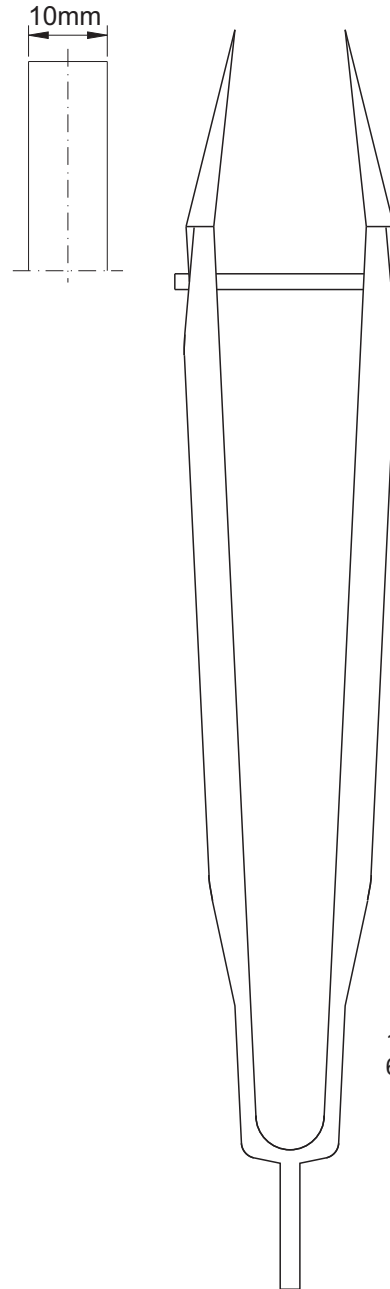
# Nichtmetallische Handwerkzeuge



165mm  
6 1/2inch

**4a** 5332 **23,90**  
 2,5mm breite Spitze mit Führungsstift  
 CTFE, säurebeständig, hitzebeständig bis 200°C  
*2,5 wide points, with guide pin,  
 CTFE, acid-resistant, heat-resistant up to 200°C*

**5a** 5330 **12,64**  
 dito, jedoch aus glasfaserverstärktem  
 Delrin  
*same, but made of glass-filled Delrin*



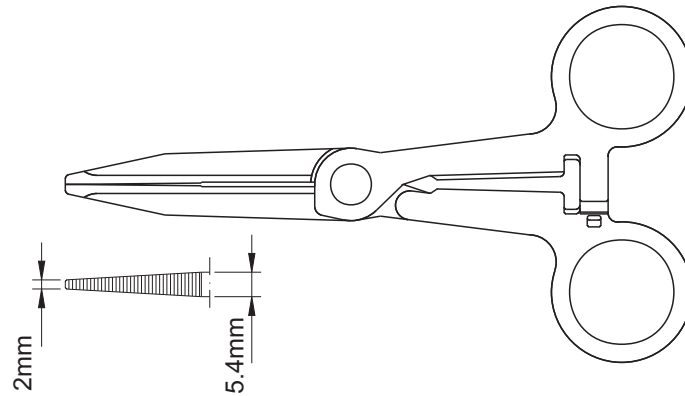
165mm  
6 1/2inch

**5a-1** 5308 **12,98**  
 Flache Spitze, 10mm breit, mit Führungs-  
 stift, Delrin, glasfaserverstärkt  
*Flat points, 10mm wide, with Führungs-  
 stift, glass-filled Delrin*

**5a-2** 5309 **13,38**  
 dito, jedoch aus säurebeständigem  
 Polyethylen  
*same, but made acid resistand linear  
 Polyethylene*



# Nichtmetallische Handwerkzeuge

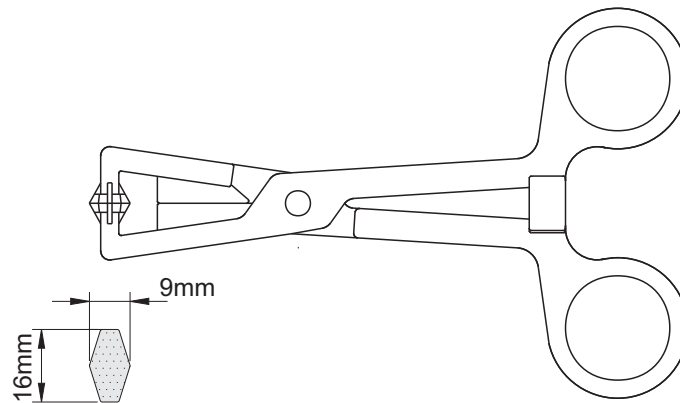


140mm  
5 1/2 inch

2700

**3,62**

Nadelhalter aus Polyethylen, glasfaserverstärkt  
*Needle holder made of glass-filled Polyethylene*

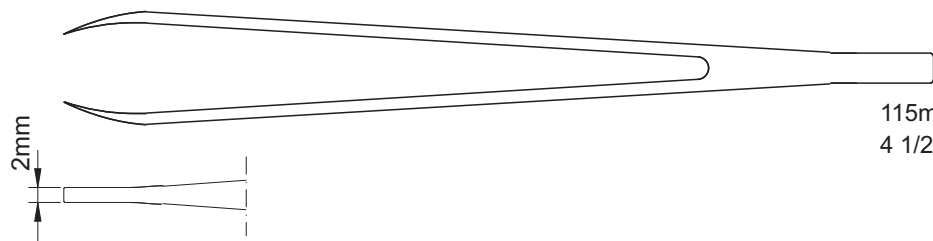


140mm  
5 1/2 inch

2701

**3,86**

Schlauchklemme aus Polyethylen  
*Hose Clamping Forcep made of Polyethylene*



115mm  
4 1/2 inch

300

5320

**6,92**

Nur die vorderste Spitze fasst z.B. Wafer, Delrin glasfaserverstärkt  
*Only the points grip e.g. Wafers, glass-filled Delrin*

300-1

5318

**6,92**

Dito, jedoch aus weicherem grünen Delrin  
*Same, but made of softer green Delrin*

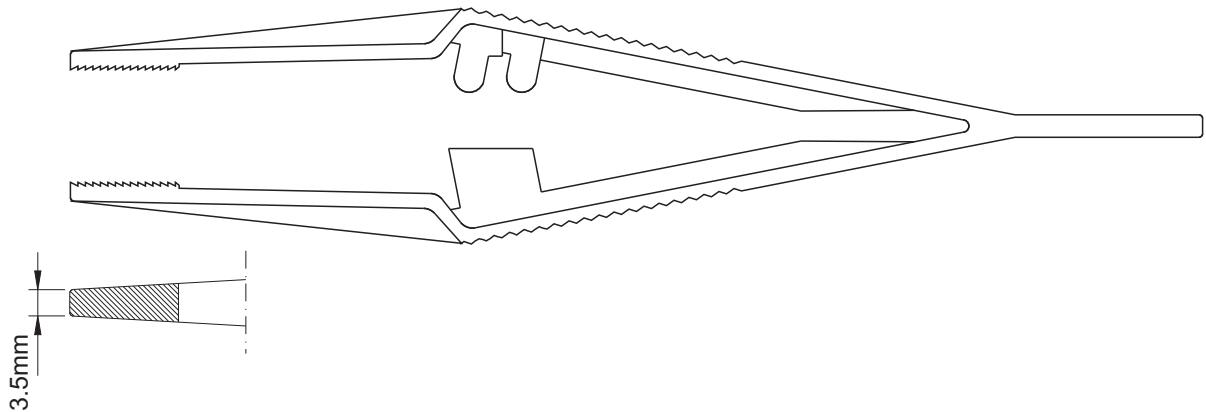
300-AS

5321

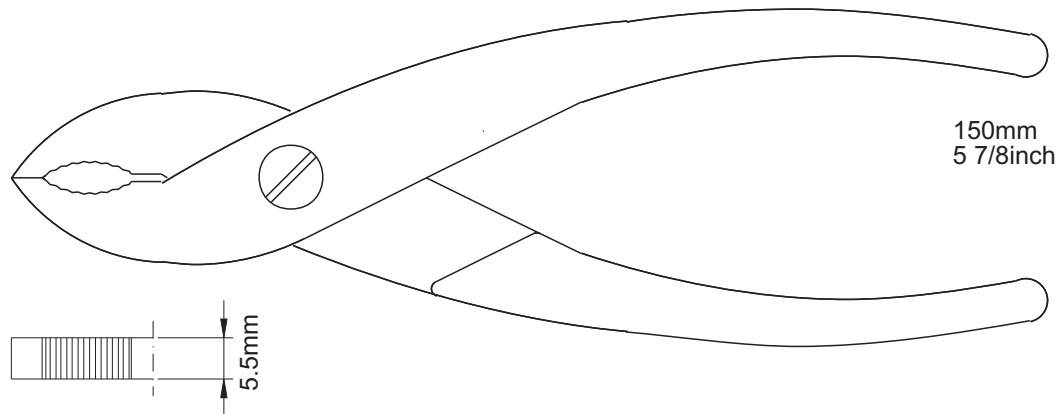
**9,20**

Dito, jedoch aus leitfähiger CARBON-Faser  
*Same, but made of conductive Carbon Fibre*

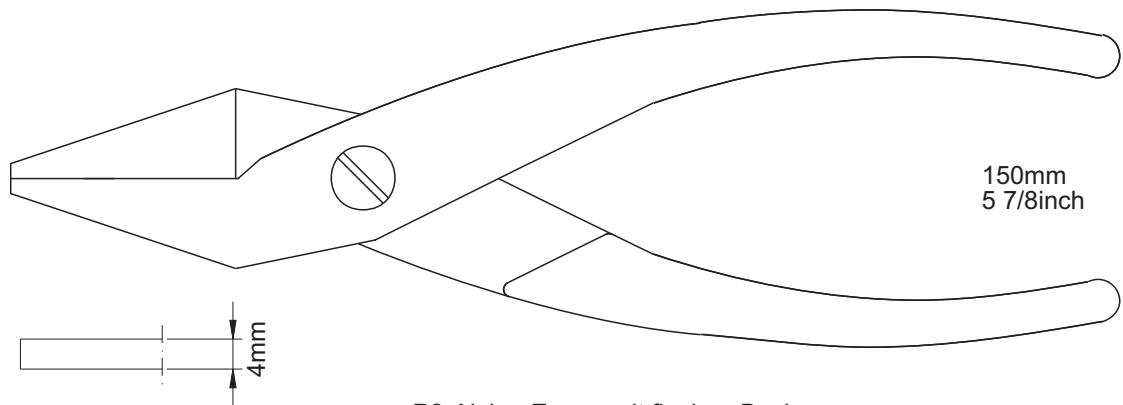
# Nichtmetallische Handwerkzeuge



<b>707-B</b>	5102	<b>1,40</b>	Modell 707-B, Polyamid, glasfaserverstärkt, 85mm <i>Model 707-B, polyamide, glass-filled, 3 3/8inch</i>
<b>766-B</b>	5100	<b>3,12</b>	Modell 766-B, Polyamid, glasfaserverstärkt, 150mm <i>Model 766-B, polyamide, glass-filled, 5 7/8inch</i>
<b>767-B</b>	5250	<b>1,90</b>	Modell 767-B, Polyamid, glasfaserverstärkt, 125mm <i>Model 767-B, polyamide, glass-filled, 5inch</i>

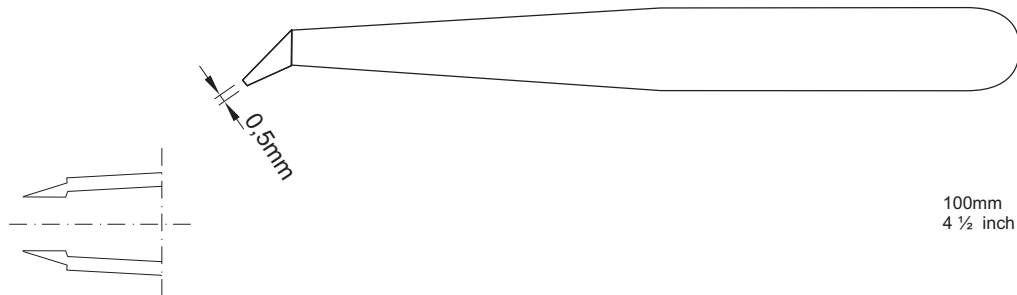


**P1**      2710      **15,66**      P1, Kombizange aus Delrin, glasfaserverstärkt  
*P1, Combination plier made of glass-filled Delrin*



**P2**      2712      **16,04**      P2, Nylon-Zange mit flachen Backen  
*P2, Nylon plier with flat, smooth nose*

# Nichtmetallische Handwerkzeuge



100mm  
4 1/2 inch

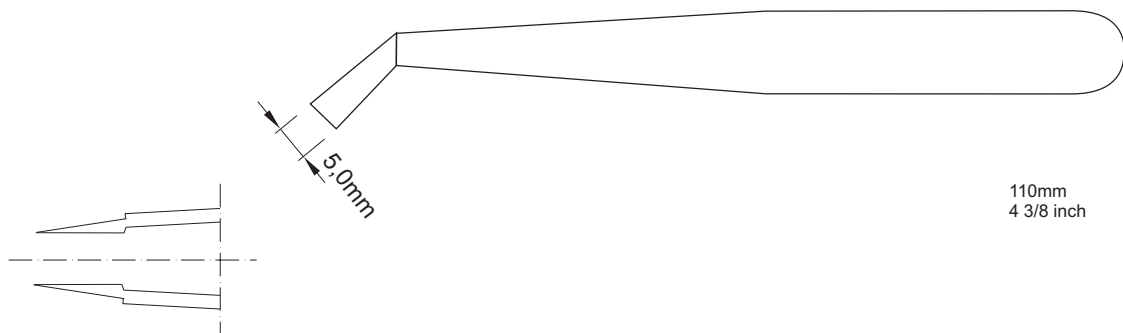
**90**

5333

**8,42**

Stabile, 0,5mm breite Spitze, 45° winklig gebogen,  
Delrin, glasfaserverstärkt

*Strong, 0,5mm wide tips, 45° curved,  
Delrin, glass-filled*



110mm  
4 3/8 inch

**09**

5331

**8,42**

Stabile, 5mm breite Spitze, 45° winklig gebogen,  
Delrin, glasfaserverstärkt

*Strong, 5mm wide tips, 45° curved,  
Delrin, glass-filled*

# Nichtmetallische Handwerkzeuge



**14-PTFE**

5214

**86,10**

Aus massivem PTFE-Stab gefertigt  
 4mm breite Spitze  
 Hitzebeständig bis 280 °C  
 Made of solid PTFE in 1 piece  
 4mm wide tips  
 Heat-resistant up to 280 °C

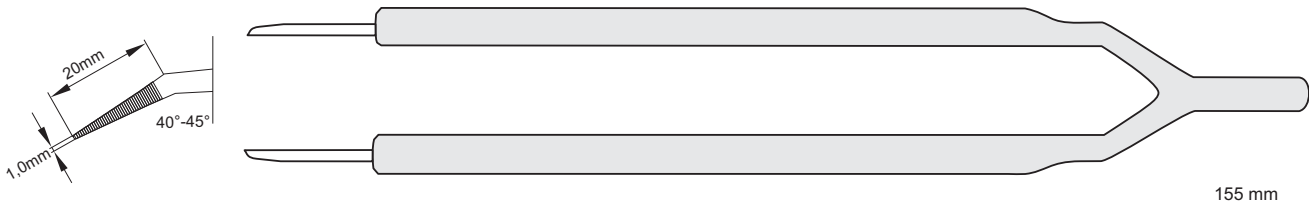


**24-PTFE**

5224

**86,10**

Dito, jedoch 10mm breite Spitze  
 Hitzebeständig bis 280 °C  
 Same, but 10mm wide tips  
 Heat-resistant up to 280 °C



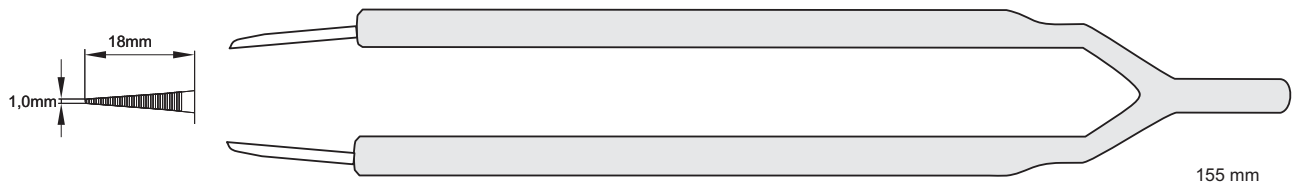
**22b isol.**

9157

**11,54**

Gebogen, mittelfeine Spitze, schutzisoliert  
*Bent, medium pointed, security-insulation*

155 mm



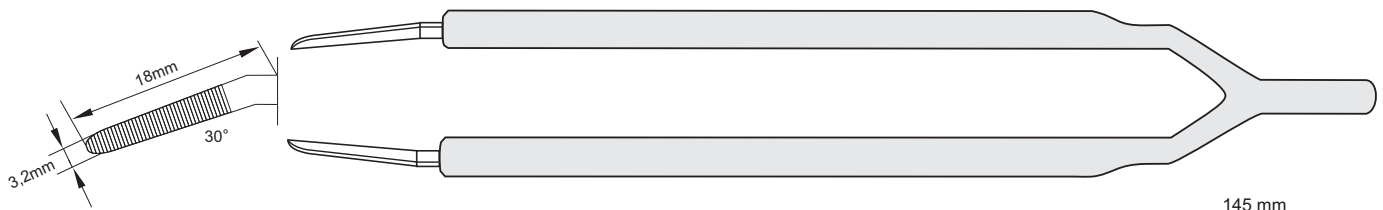
**22 isol.**

9158

**10,96**

Gerade, mittelfeine Spitze, schutzisoliert  
*Straight, medium pointed, security-insulation*

155 mm



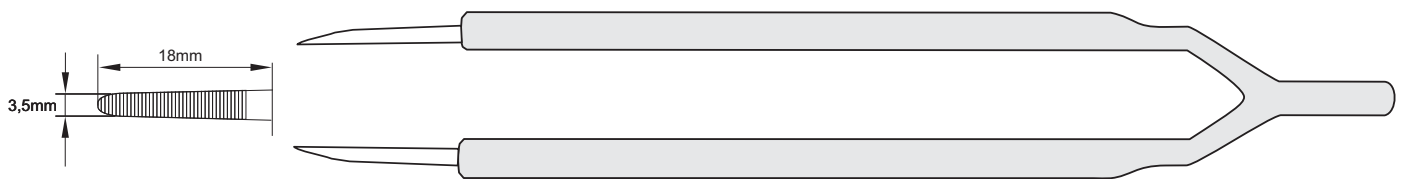
**40b isol.**

3016

**10,82**

Stumpf, gebogen, mittelfeine Spitze, schutzisoliert  
*Blunt, curved, medium pointed, security-insulation*

145 mm



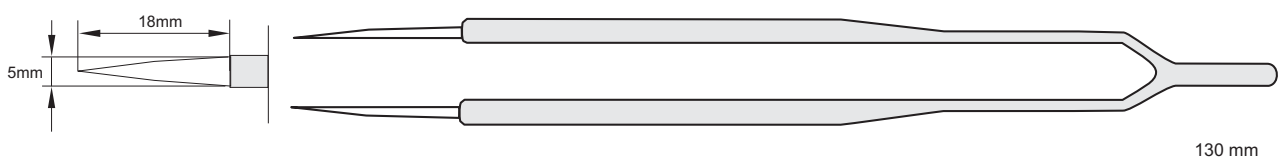
**40 isol.**

3015

**10,04**

Stumpf, gerade, mittelfeine Spitze, schutzisoliert  
*Blunt, straight, medium pointed, security-insulation*

145 mm



**AA isol.**

8100

**11,94**

Spitz, universelles Modell, schutzisoliert  
*Pointed, multipurpose model, security-insulation*

130 mm



**C5**

115mm

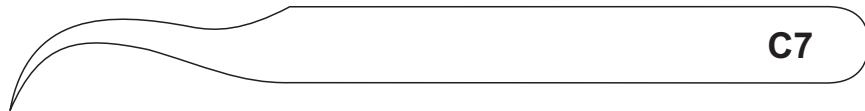
**C5**

8305

**44,86**

Schneidepinzette für sehr feine Drähte, Form 5

*Cutting Tweezer for very fine wires, Design 5*



**C7**

120mm

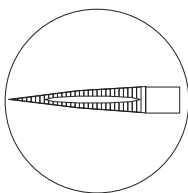
**C7**

8307

**49,08**

Schneidepinzette für sehr feine Drähte, Form 7

*Cutting Tweezer for very fine wires, Design 7*



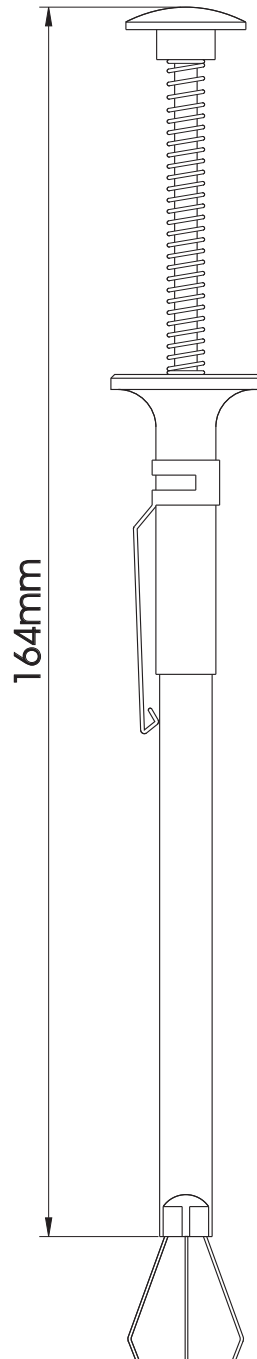
120mm



## Feilchenfeldpinzette

Einteilig	7108	<b>16,16</b>	Feilchenfeldpinzette, hohle Grifffläche, mit Blutrinne in der Spitze
Einteilig	7109	<b>20,14</b>	Wie 7108, jedoch Rostfrei Same as 7108 but Stainless

## Technicians helps



0761 ..... **23,06** .....

Krallengreifer mit Clip, Taschenversion  
Grösster  $\varnothing$  am Schaft 7,5mm  
ideal zum Ablöten

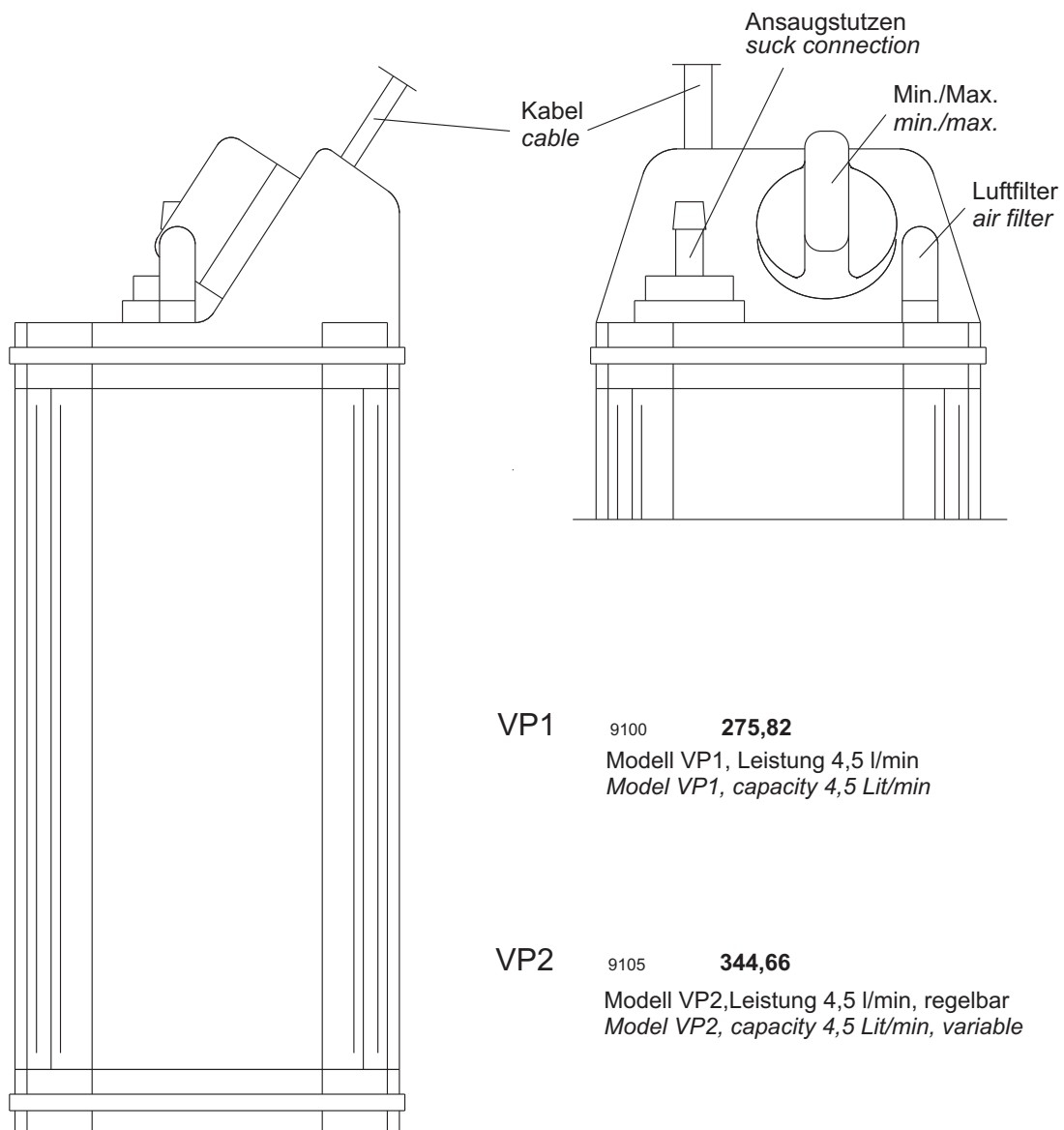
*Gripper with Clip, pocket version,  
max. Shank  $\varnothing$  7,5mm  
ideal for de-soldering*

# Vakuum-Pinzetten

# Vacuum-tweezers

Alle Vakuumpumpen mit Netzanschluss 220 Volt, andere Spannungen auf Anfrage lieferbar.  
Auslieferung incl. Netzkabel, Stecker, Schalter sowie Schalldämpfer und Filter.  
Gehäuse aus Aluminium, schwingungsgedämpft, mit Gummifüßen,  
wahlweise mit zusätzlichem Blasanschluss.

*All vacuum pumps for 220V main power, other voltages available upon request.  
Supplied with main cable, plug switch as well as silencer and filter.  
Aluminium housing with rubber feet to absorb vibrations.  
Additional blowing connection available as option.*



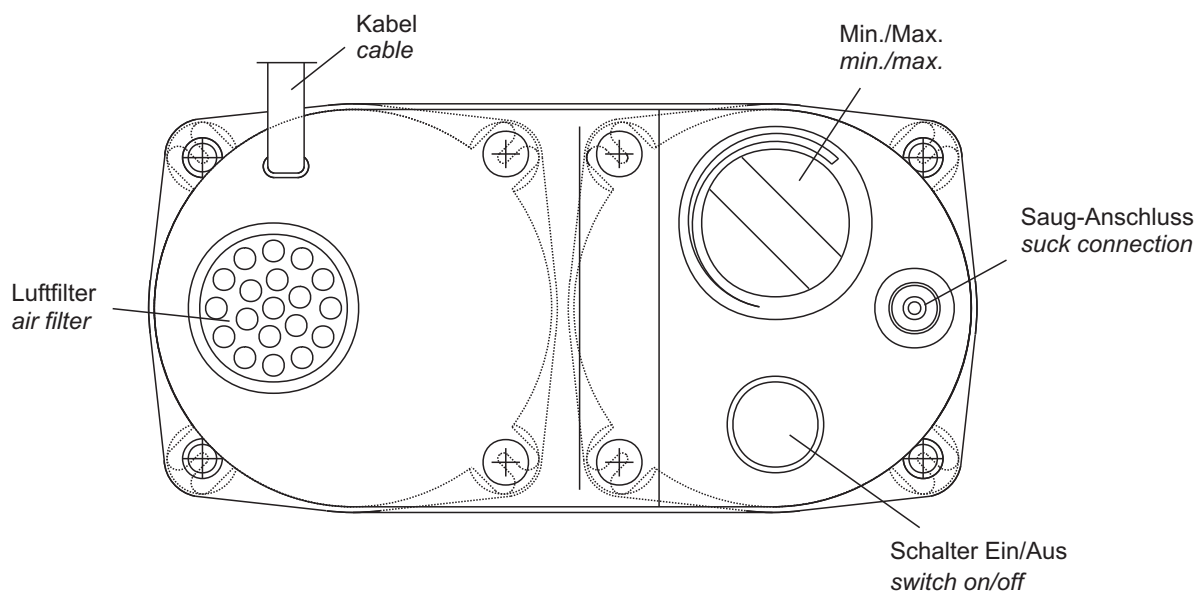
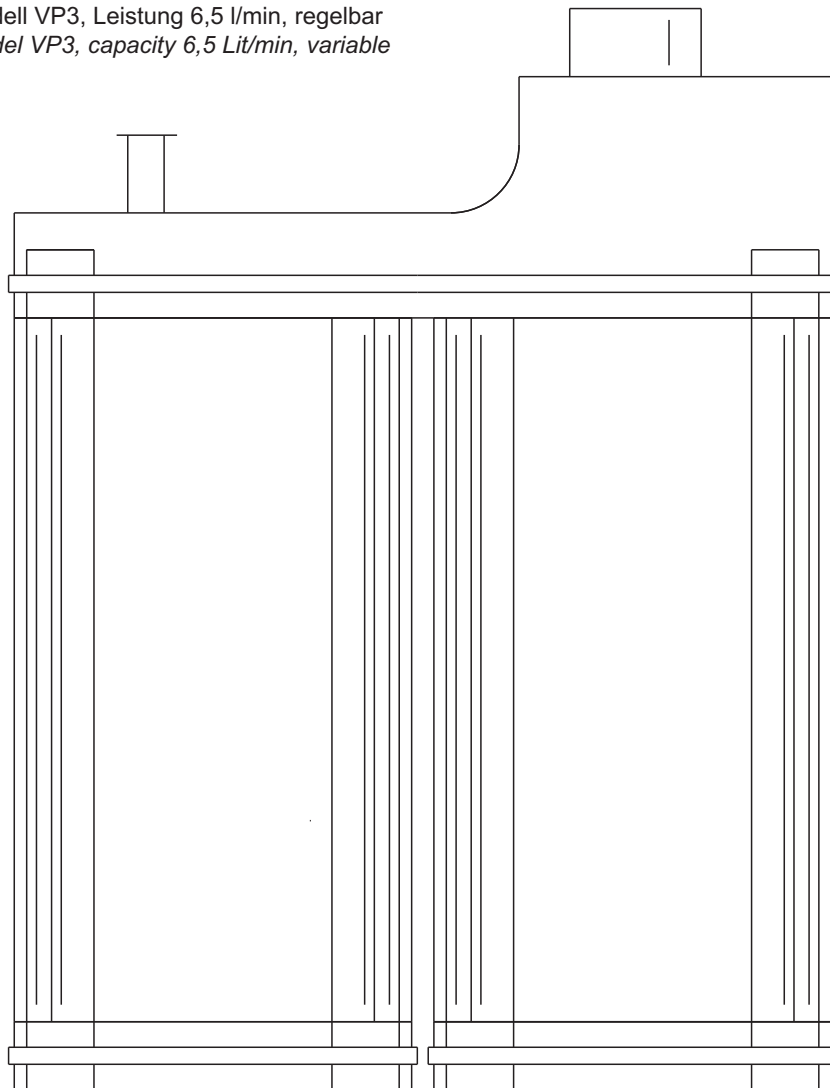


# Vakuum-Pinzetten

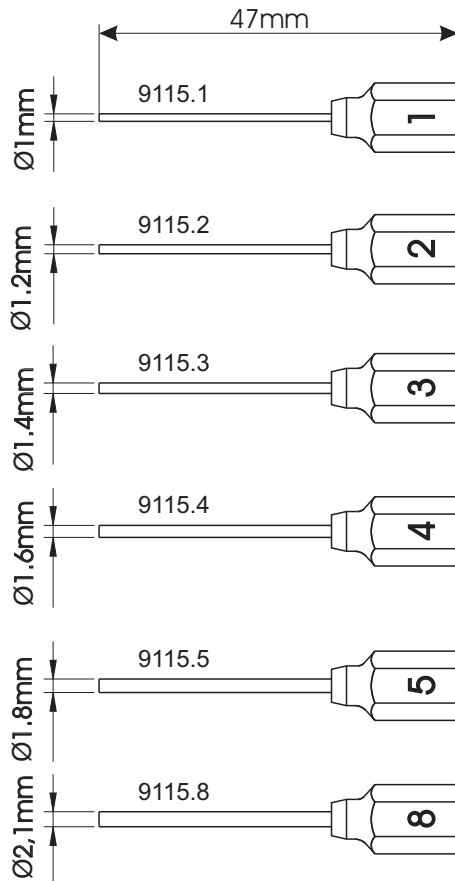
# Vacuum-tweezers

VP3 9110 **643,44**

Modell VP3, Leistung 6,5 l/min, regelbar  
Model VP3, capacity 6,5 Lit/min, variable



Preis/Stück: **17,98**  
 Price/piece:



9116.1

Preis/Stück: **24,54**  
 Price/piece:

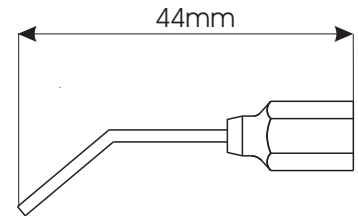
9116.2

9116.3

9116.4

9116.5

9116.8

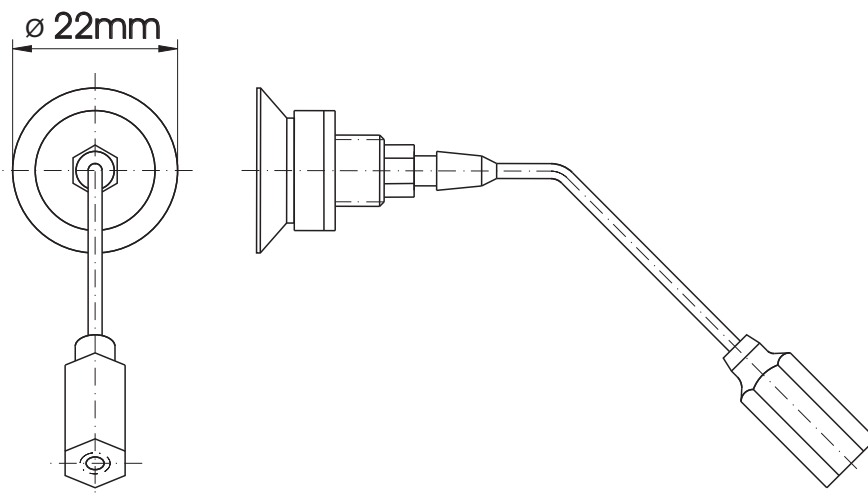


9115  
 Preis/Satz:  
 Price/set:  
**104,46**

Saugnadel-Sortiment, nichtrostend. Grössen: 1,0-1,2-1,4-1,6-1,8-2,1mm  
 Suction needle assortment, stainless. Sizes: 1,0-1,2-1,4-1,6-1,8-2,1mm

9116  
 Preis/Satz:  
 Price/set:  
**142,74**

Wie oben, jedoch 40° winklig gebogen  
 Same as 9115 but bent at 40°



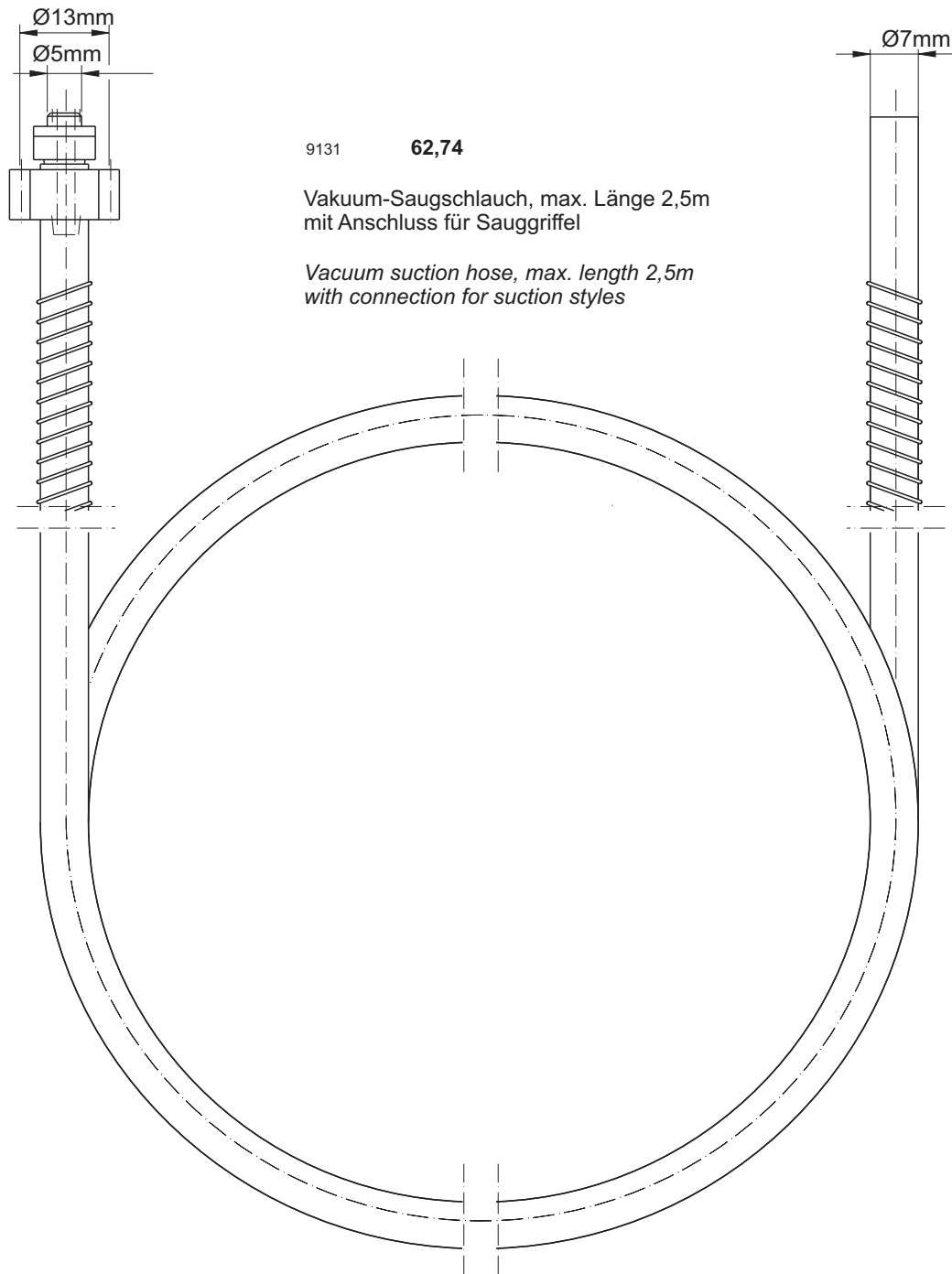
9121  
**116,08**

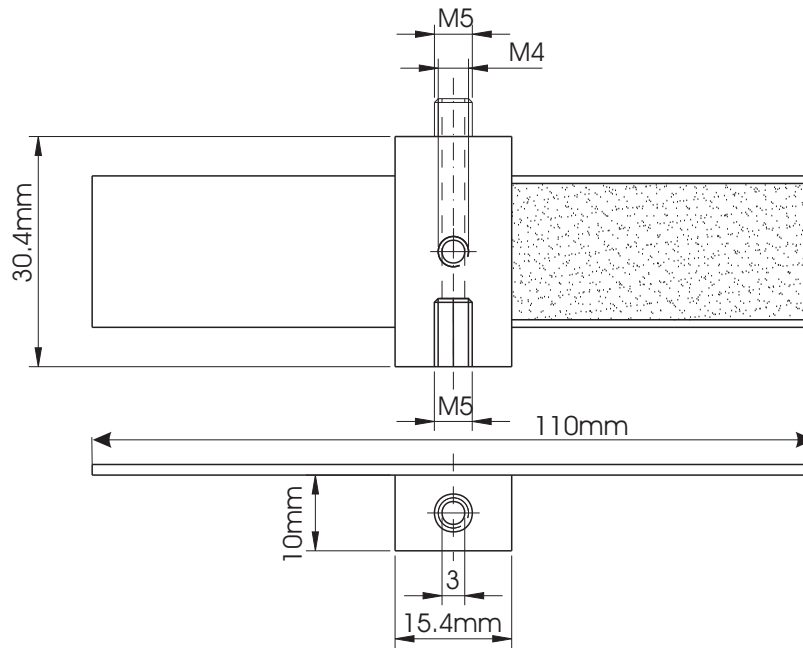
Spezielsaugvorrichtung, speziell zum seitlichen Fassen grösserer Teile  
 hohe Saugkraft, 22mm

Special suction device, specifically for lateral grasping of large parts  
 high suction capacity, 22mm

VOMM-Vakuumpinzetten werden überall dort eingesetzt, wo die normalen Pinzetten nicht mehr schonend genug sind. Typische Anwendungsbereiche: Waferhandling, Montage kleiner optischer Systeme Handling von Solarzellen, Montage von Chips oder auch SMD-Bestückung.  
Für besondere Anforderungen beschichten wir die mit den Artikeln in Berührung kommenden Teile auf Wunsch mit Teflon oder Halar (kontaminationsfrei).

*VOMM vacuum tweezers can be used wherever normal tweezers are not gentle enough.  
Typical applications: wafer handling, assembly of small optical systems, handling of solar cells, chip assembly and fittings SMD's.  
On request, we can coat the parts coming into contact with the articles, with Teflon or Halar (no contamination) for special applications.*

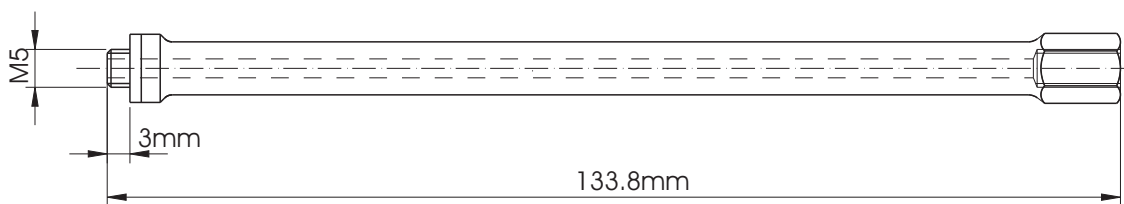




9130 **137,74**

Finger-Sauggriffel, mit Klettband am Finger zu befestigen und durch den Daumen zu steuern, wiegt nur 15g

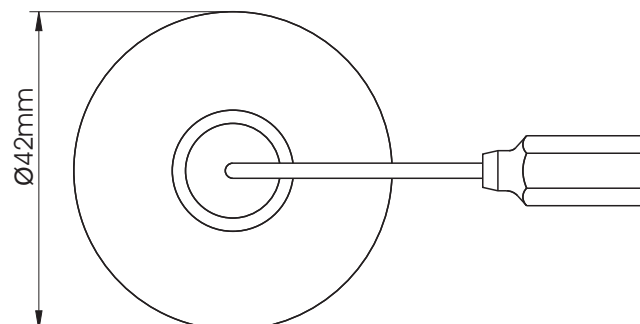
*Finger-mounted suction styles, secured on finger by Velcro fastener, thumb-controlled, weighs only 15g*



9125 **78,00**

Hand-Sauggriffel mit Bypass-Öffnung zum Steuern des Vakuums, wiegt nur 20g

*Hand-held suction styles with bypass aperture for controlling the vacuum, weighs only 20g*

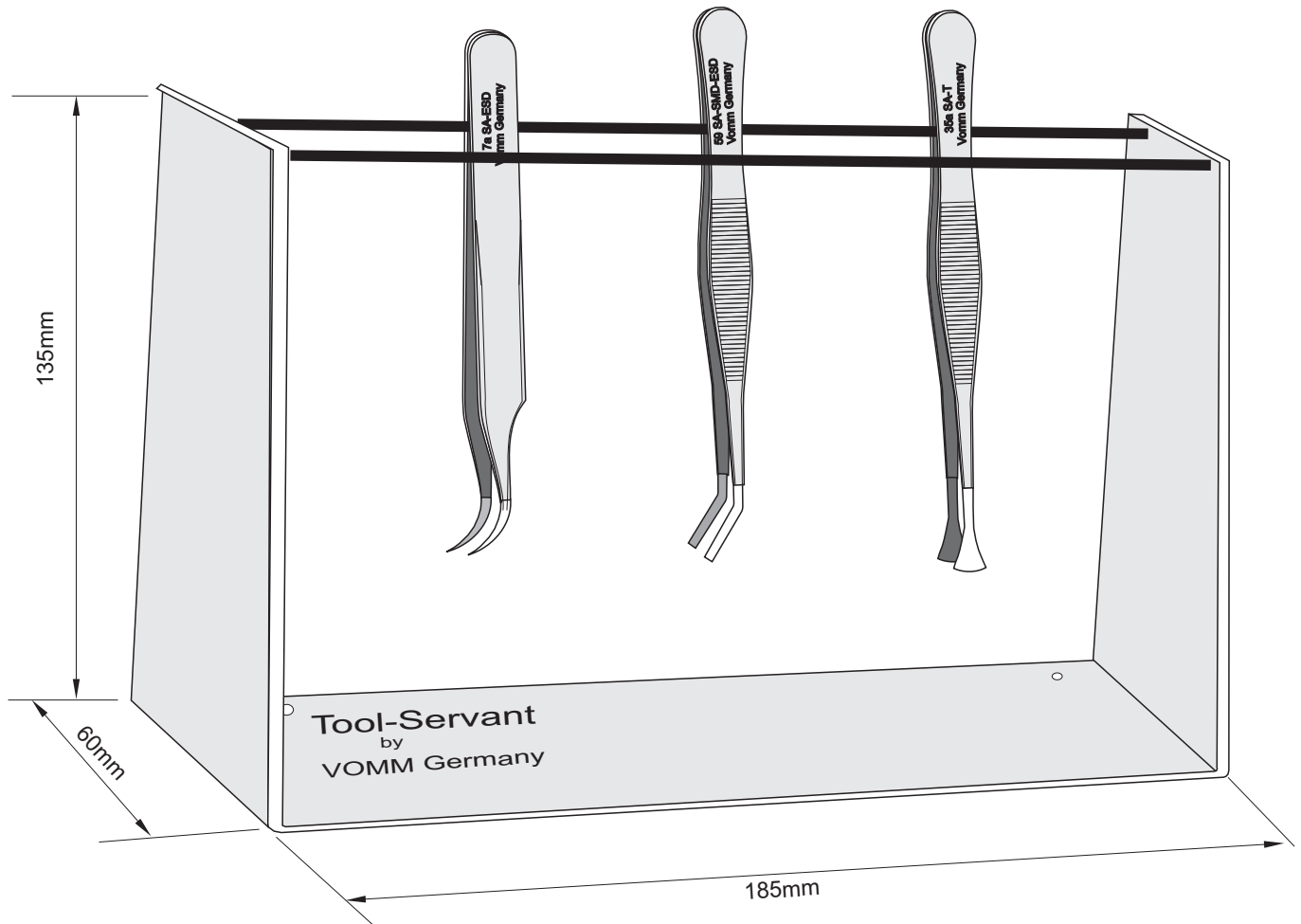


9120 **81,96**

Spezielsaugvorrichtung, speziell zum seitlichen Fassen grösserer Teile, hohe Saugkraft, 42mm

*Special suction device, specifically for lateral grasping of large parts, high suction capacity, 42mm*

# Tool-Servant



1150

27,76

Abmessungen: L 185mm x B 60mm x H 135mm  
ESD-beschichtet, antistatisch-schwarz, säurebeständig

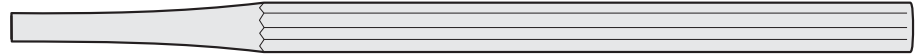
Measurement: L 185mm x W 60mm x H 135mm  
ESD-coated, antistatic-black, anti-acid

Preis ohne Pinzetten!  
Price without tweezers!





0451	<b>11,86</b>	Kunststoffgriff	Delrin	Plastic handle	Delrin	140 mm
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0407	<b>5,56</b>	Griff, Messing, vernickelt / verchromt	Brass, nickel-plated / chromated handle
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0408	<b>11,22</b>	Griff, Rostfrei	Stainless Steel handle
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125 mm

0467	<b>44,08</b>	Teleskopgriff, vernickelt verchromt	Telescope-handle, nickel-plated / chromated
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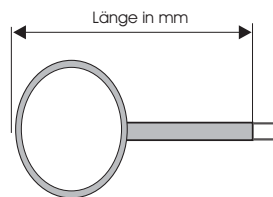


145 mm - 640 mm

## Mundspiegel

zum Einbauen in obige Griffe

Mouth-mirrors to be implemented in above



0510	<b>11,38</b>	∅	10 mm	35 mm
0514	<b>11,38</b>	∅	14 mm	35 mm
0516	<b>4,98</b>	∅	16 mm	35 mm
0518	<b>5,14</b>	∅	18 mm	38 mm
0520	<b>5,34</b>	∅	20 mm	38 mm
0522	<b>5,46</b>	∅	22 mm	39 mm
0524	<b>5,78</b>	∅	24 mm	39 mm
0526	<b>6,48</b>	∅	26 mm	43 mm
0528	<b>6,82</b>	∅	28 mm	43 mm
0530	<b>7,26</b>	∅	30 mm	44 mm
0560	<b>24,34</b>	∅	60 mm	71 mm



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