

### **Suction Tubes**

Saugkanülen  
Canules d'aspiration  
Cánulas de aspiración  
Cannule per aspirazione

### **Trocar | Biopsy Needles**

Trokar | Biopsienadeln  
Trocart | Aiguilles pour biopsie  
Trocar | Aguja para biopsia  
Trocar | Aghi da biopsia







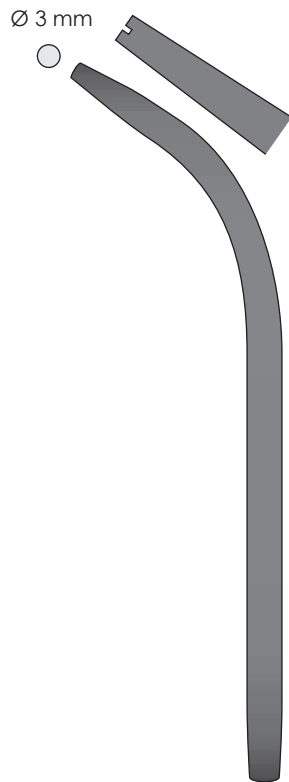
Suctions tubes

Canule per aspirazione

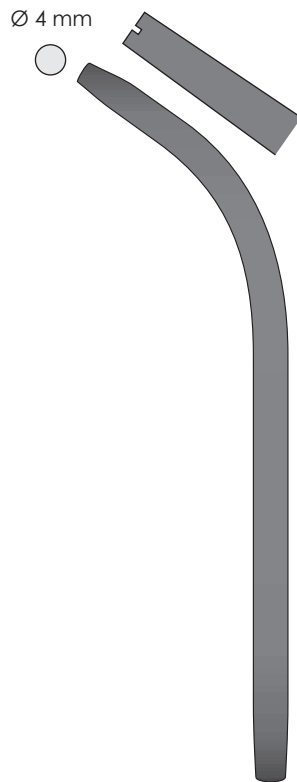
Absaugkanülen

Canules aspiratrices

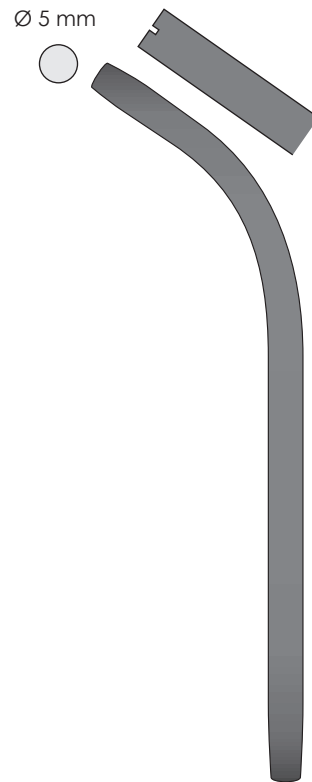
Cànulas aspiradoras



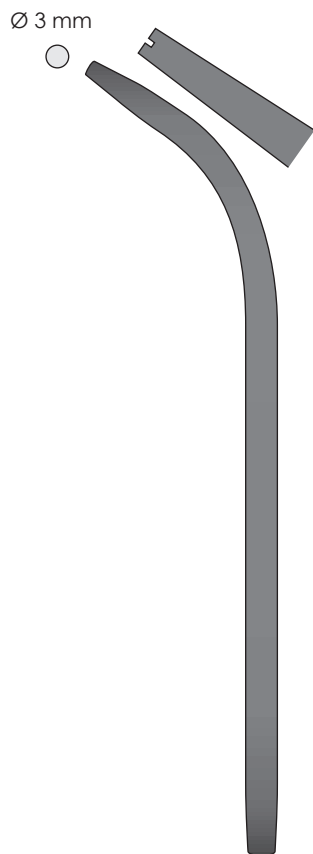
**TU 80**  
140 mm



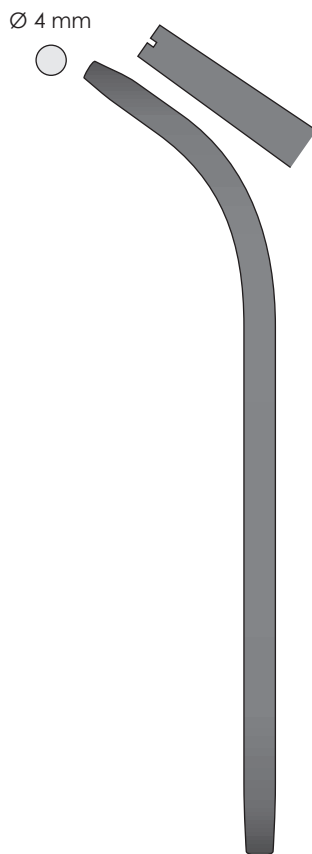
**TU 81**  
140 mm



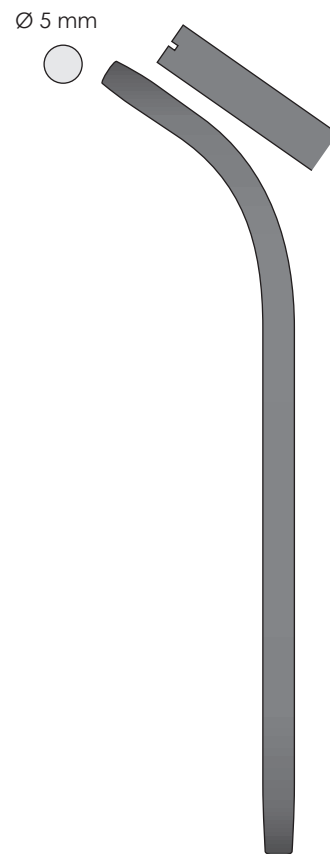
**TU 82**  
140 mm



**TU 83**  
170 mm



**TU 84**  
170 mm



**TU 85**  
170 mm



Suctions tubes

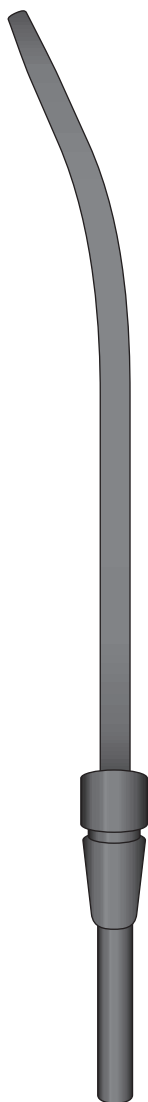
Canule per aspirazione

Absaugkanülen

Canules aspiratrices

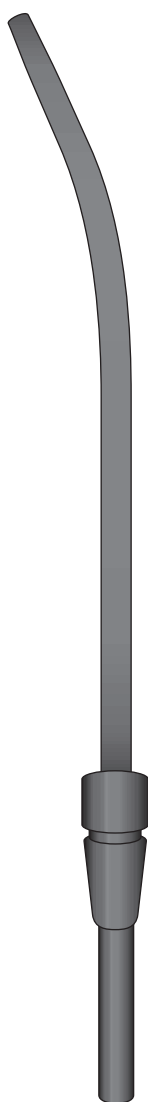
Cànulas aspiradoras

Ø 2 mm int.



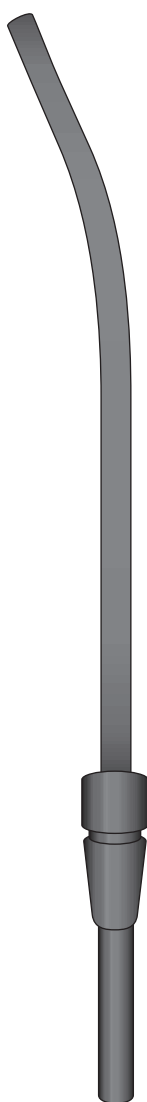
Mc KESSON  
**TU 03**  
180 mm

Ø 3 mm int.



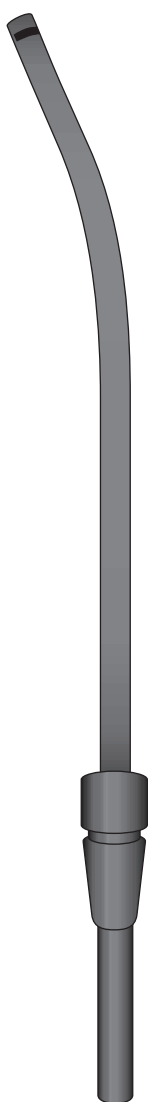
Mc KESSON  
**TU 04**  
180 mm

Ø 4 mm int.



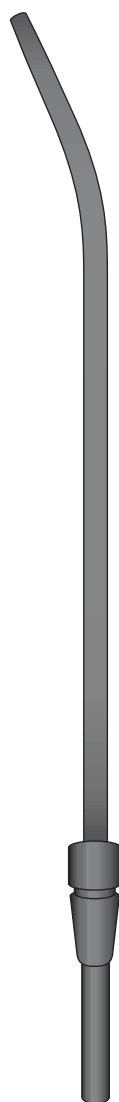
Mc KESSON  
**TU 05**  
180 mm

Ø 4 mm int.



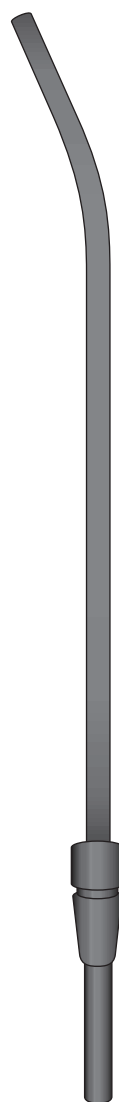
Mc KESSON  
**TU 06**  
180 mm

Ø 3 mm

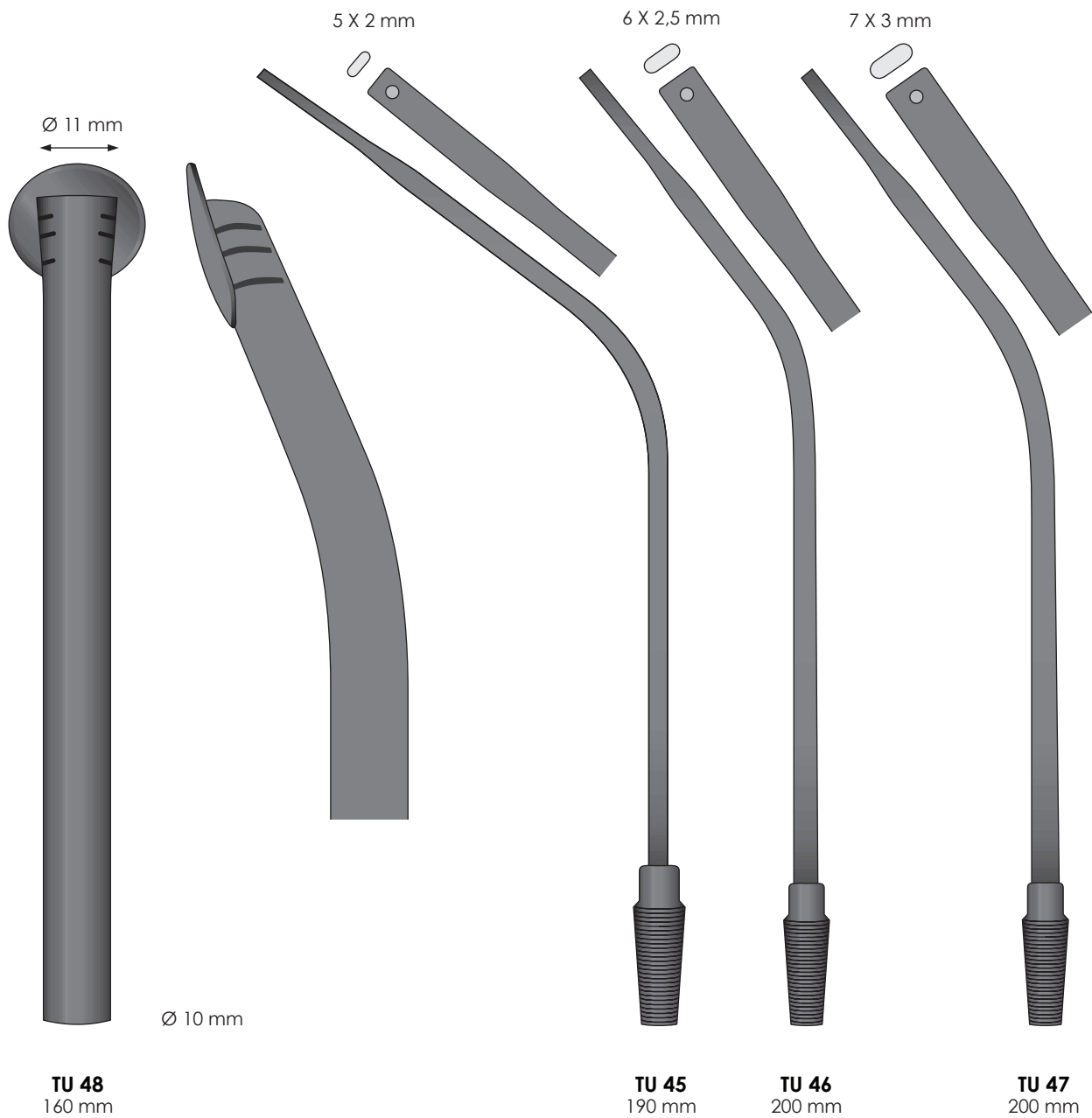


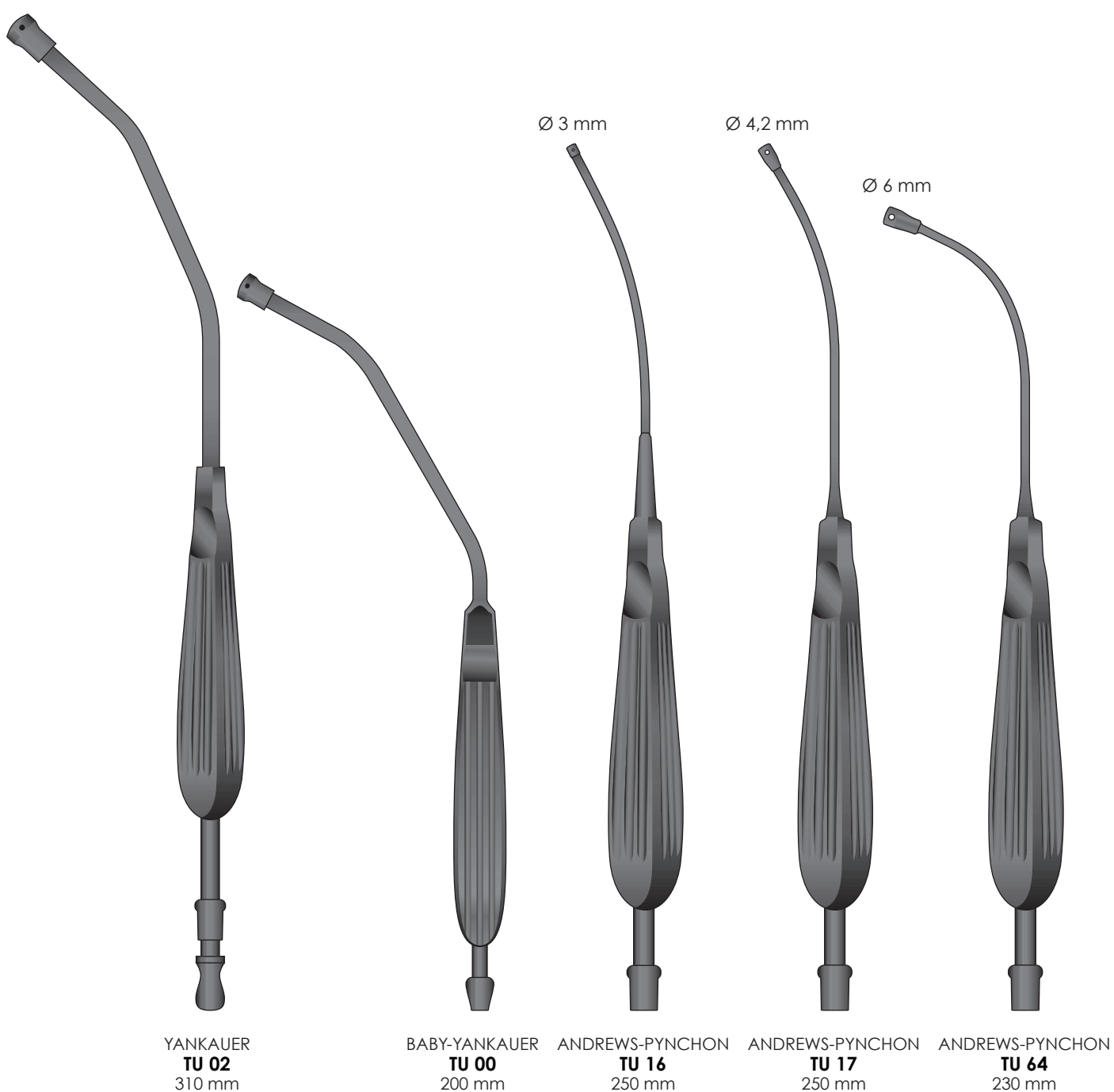
Mc KESSON  
**TU 07**  
230 mm

Ø 4 mm



Mc KESSON  
**TU 08**  
230 mm





**TU 099**

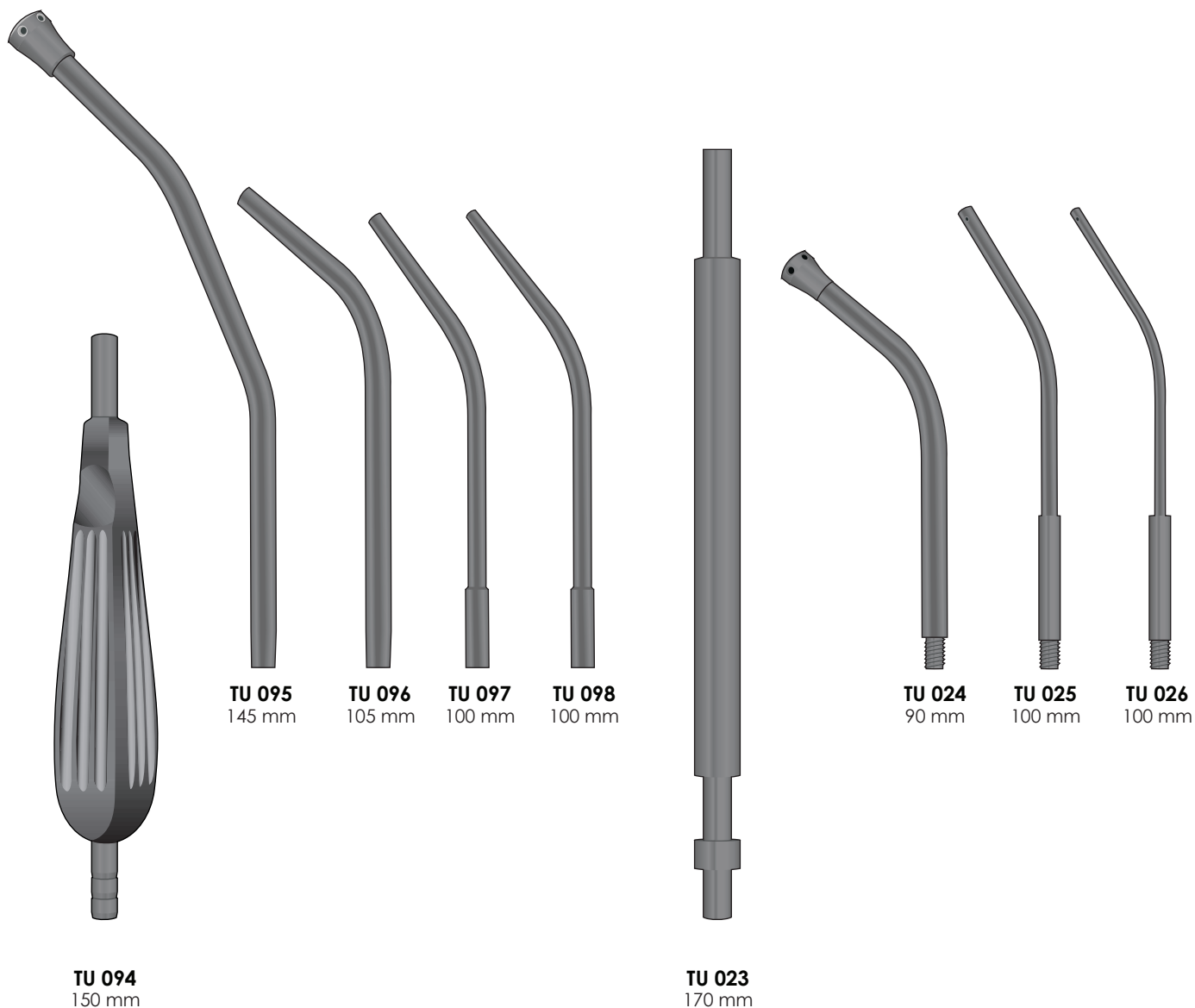
Set - Satz - Jeu - Jeugo

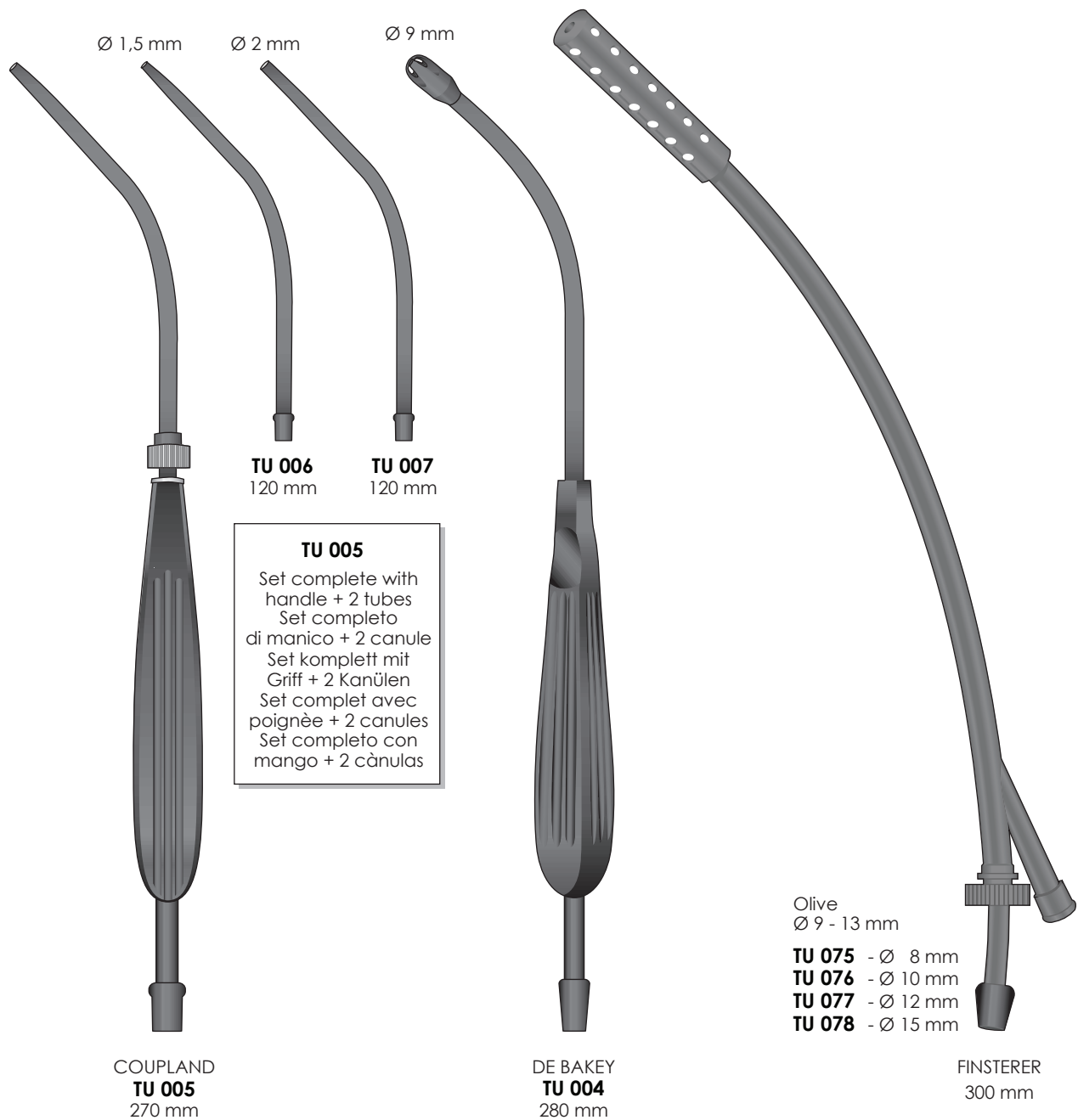
Complet with 4 tubes  
Completo con 4 canule  
Komplett mit 4 Kanülen  
Complete avec 4 canules  
Completo con 4 cànulas

**TU 027**

Set - Satz - Jeu - Jeugo

Complet with 3 tubes  
Completo con 3 canule  
Komplett mit 3 Kanülen  
Complete avec 3 canules  
Completo con 3 cànulas







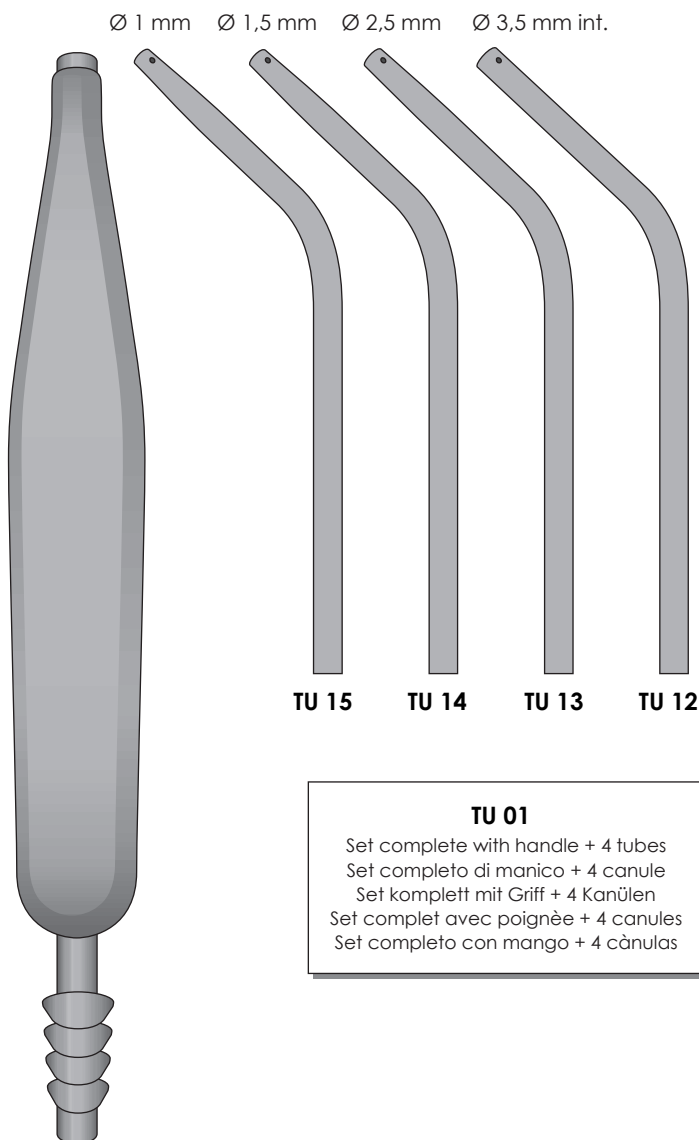
Suctions tubes

Canule per aspirazione

Absaugkanülen

Canules aspiratrices

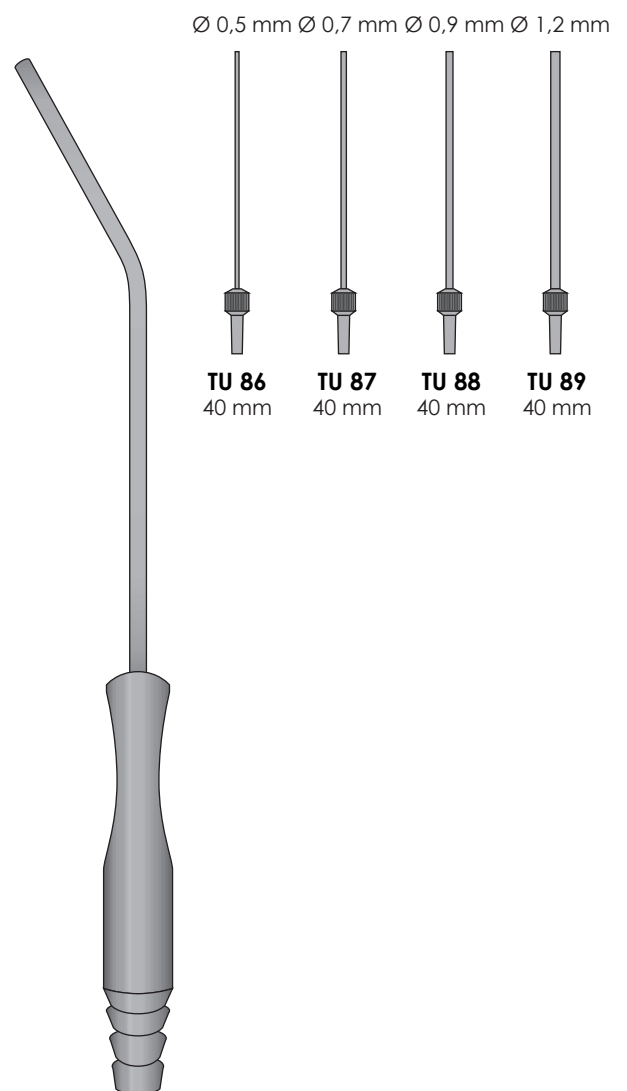
Cànulas aspiradoras



COUPLAND  
**TU 11**  
150 mm

**TU 15**    **TU 14**    **TU 13**    **TU 12**

**TU 01**  
Set complete with handle + 4 tubes  
Set completo di manico + 4 canule  
Set komplett mit Griff + 4 Kanülen  
Set complet avec poignée + 4 canules  
Set completo con mango + 4 cànulas



WULLSTEIN  
**TU 74**  
140 mm

Ø 0,5 mm Ø 0,7 mm Ø 0,9 mm Ø 1,2 mm

**TU 86**    **TU 87**    **TU 88**    **TU 89**  
40 mm    40 mm    40 mm    40 mm



Suctions tubes

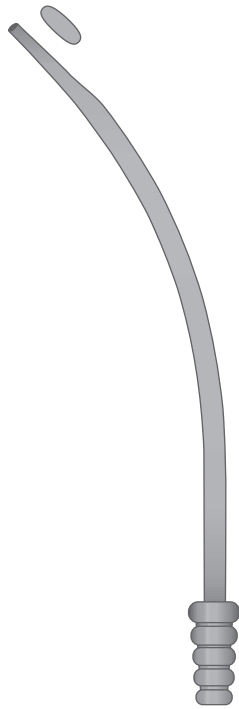
Canule per aspirazione

Absaugkanülen

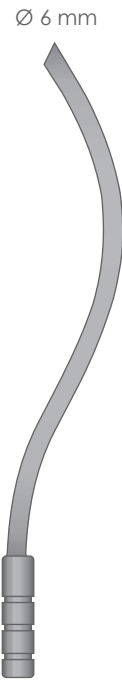
Canules aspiratrices

Cànulas aspiradoras

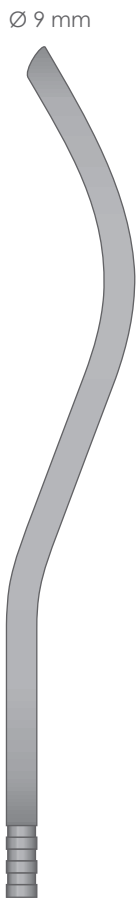
Stainless steel - Acciaio chirurgico - Rostfrei - Acier - Acero



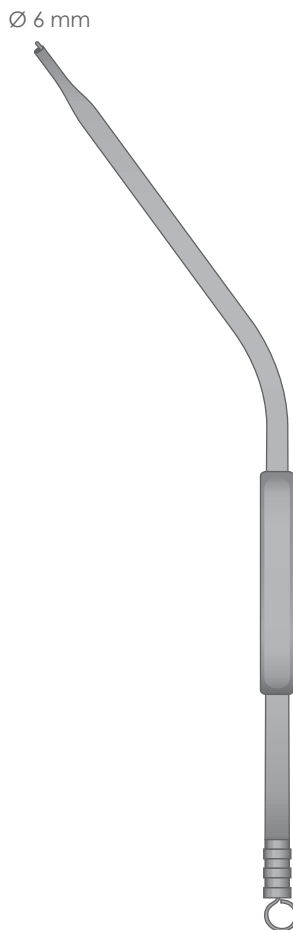
**TU 90**  
180 mm



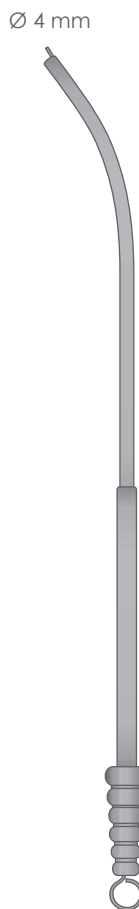
**TU 19B**  
175 mm



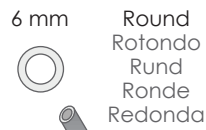
**TU 19**  
230 mm



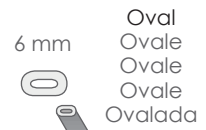
**TU 014**  
240 mm



**TU 000**  
230 mm



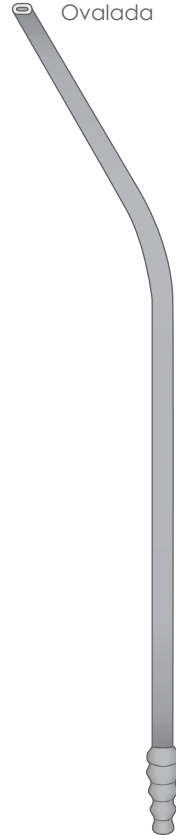
6 mm  
Round  
Rotondo  
Rund  
Ronde  
Redonda



6 mm  
Oval  
Ovale  
Ovale  
Ovalada



**NUBOER  
TU 28**  
210 mm



**NUBOER  
TU 29**  
210 mm



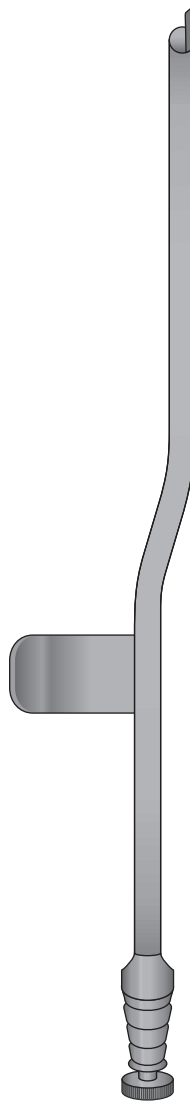
Scrapers



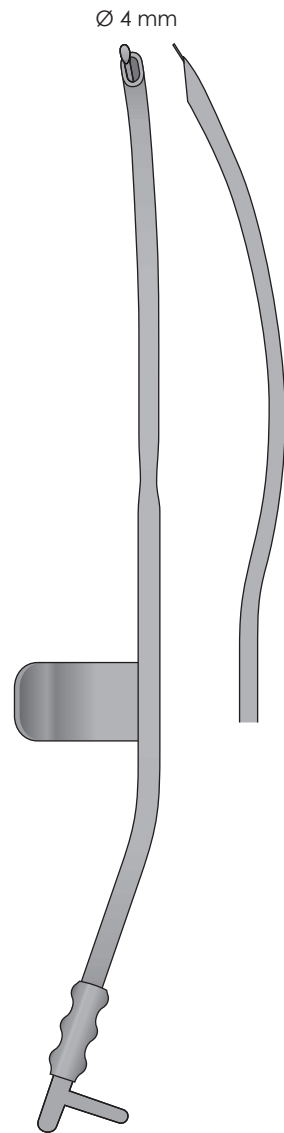
GORNEY  
**TU 41**  
180 mm



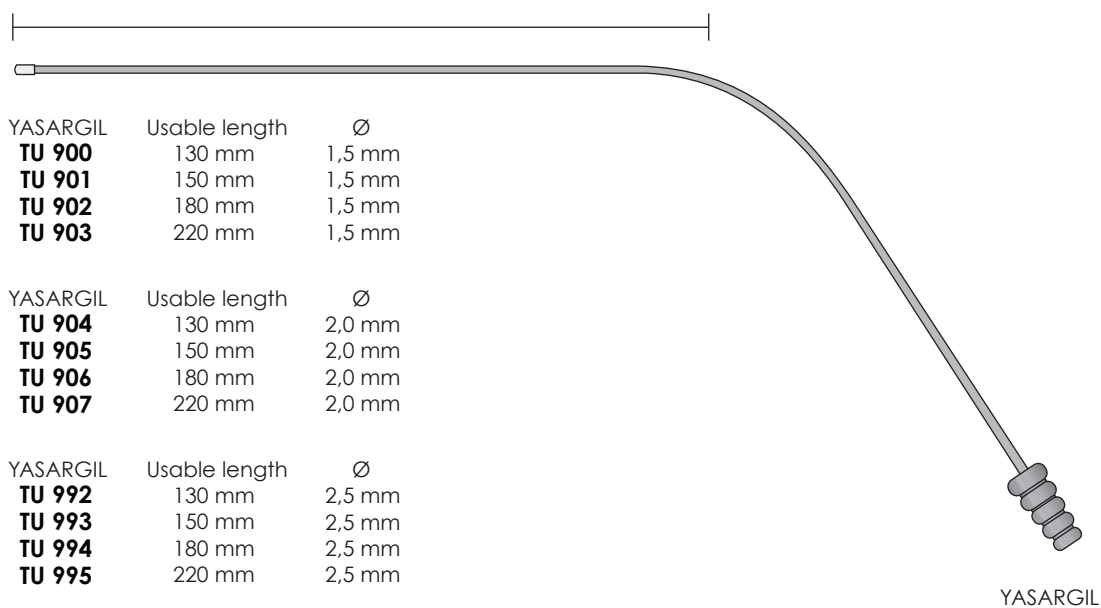
GORNEY  
**TU 42**  
200 mm



SAUG-RASPATORIUM  
**TU 78** Ø 4 mm  
**TU 79** Ø 5 mm  
200 mm



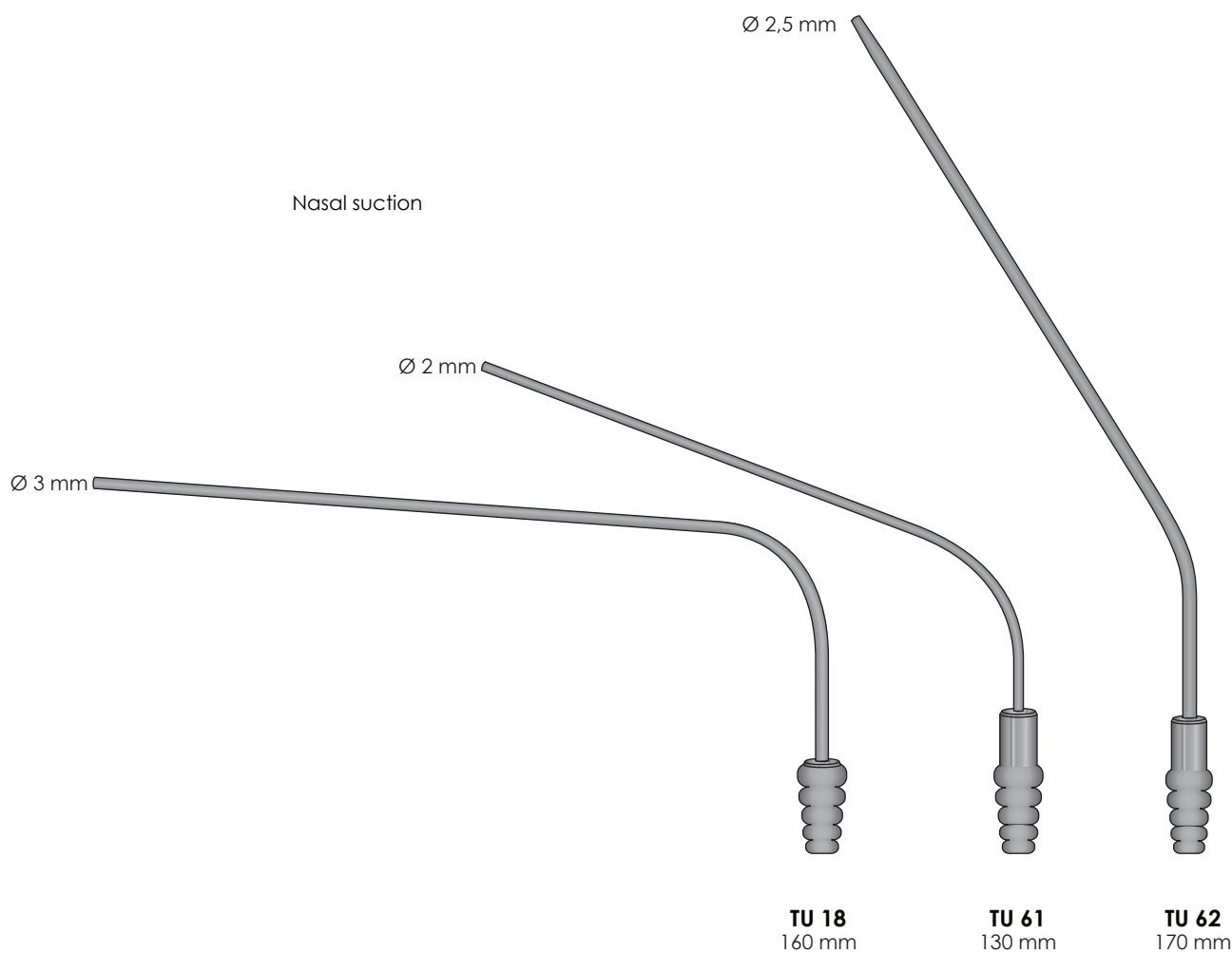
GUILLIEN  
**TU 60**  
200 mm



| YASARGIL      | Usable length | Ø      |
|---------------|---------------|--------|
| <b>TU 996</b> | 130 mm        | 3,5 mm |
| <b>TU 997</b> | 150 mm        | 3,5 mm |
| <b>TU 998</b> | 180 mm        | 3,5 mm |
| <b>TU 999</b> | 220 mm        | 3,5 mm |

| YASARGIL      | Usable length | Ø      |
|---------------|---------------|--------|
| <b>TU 980</b> | 180 mm        | 4,5 mm |

Nasal suction





Suctions tubes

Absaugkanülen

Cannule per aspirazione

Canules aspiratrices

Cànulas aspiradoras

- Ø 1,5 mm
- Ø 1,7 mm
- Ø 2,0 mm

50 mm

BARNES  
100 mm

**TU 963** Ø 1,5 mm  
**TU 964** Ø 1,7 mm  
**TU 965** Ø 2,0 mm

- Ø 1,0 mm
- Ø 1,5 mm

90 mm

BARNES  
125 mm

**TU 955** Ø 1,0 mm  
**TU 956** Ø 1,5 mm

- Ø 2,0 mm

90 mm

BARNES  
125 mm

**TU 957** Ø 2,0 mm

- Ø 3,0 mm
- Ø 4,0 mm
- Ø 5,0 mm

110 mm

BARNES  
150 mm

**TU 958** Ø 3,0 mm  
**TU 959** Ø 4,0 mm  
**TU 940** Ø 5,0 mm

Ø 3.5 mm

Ø 2.0 mm

**TU 978** Ø 2.0 mm / 3.5 mm  
350 mm  
**TU 949** Ø 2.0 mm / 3.5 mm  
500 mm

Olive  
Ø 9 mm

250 mm

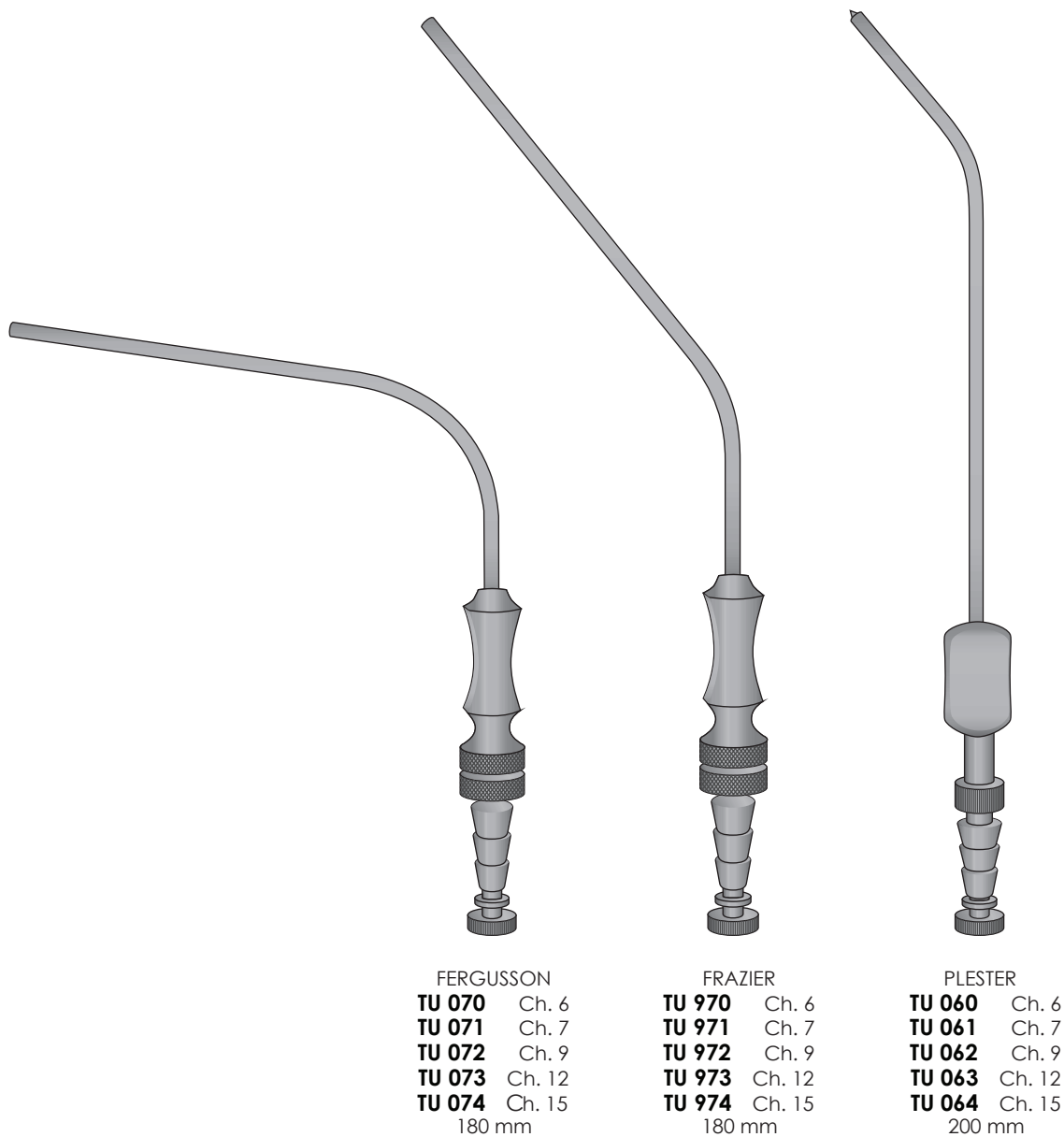
**TU 975** Ø 2.0 mm  
**TU 976** Ø 2.5 mm  
**TU 977** Ø 3.0 mm

Olive  
Ø 6-9 mm

250 mm

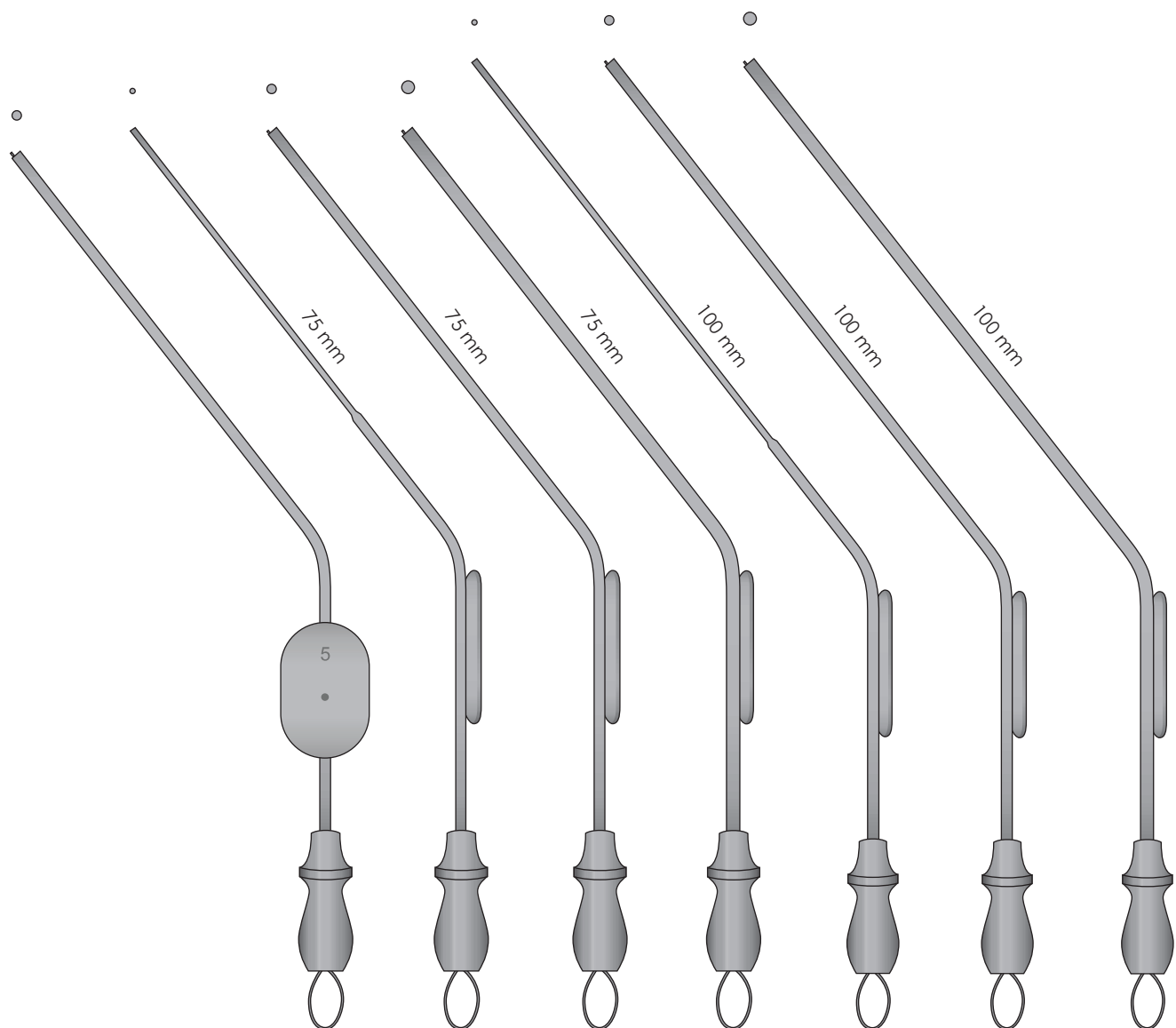


Char. 6 = 2 mm  
Char 7 = 2,5 mm  
Char 9 = 3 mm  
Char 10 = 3,3 mm  
Char 12 = 4 mm  
Char 15 = 5 mm





Char. 3 = 1 mm  
Char 5 = 1,7 mm  
Char 7 = 2,5 mm  
Char 10 = 3,3 mm  
Char 12 = 4 mm



BELLUCCI  
**TU 982**  
Char. 5

BARON  
**TU 73**  
Char. 3

BARON  
**TU 75**  
Char. 5

BARON  
**TU 77**  
Char. 7

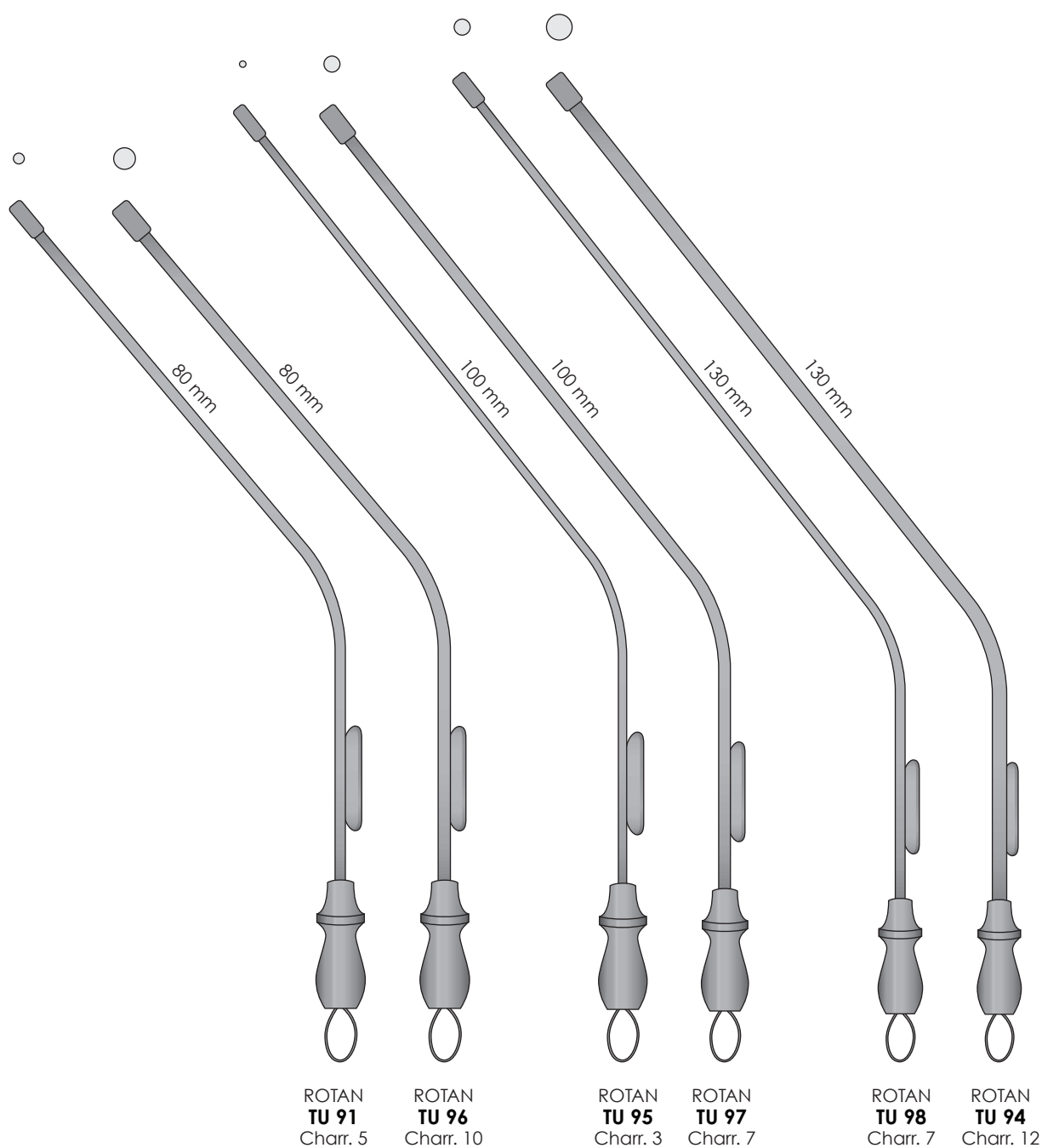
BARON  
**TU 53**  
Char. 3

BARON  
**TU 55**  
Char. 5

BARON  
**TU 57**  
Char. 7

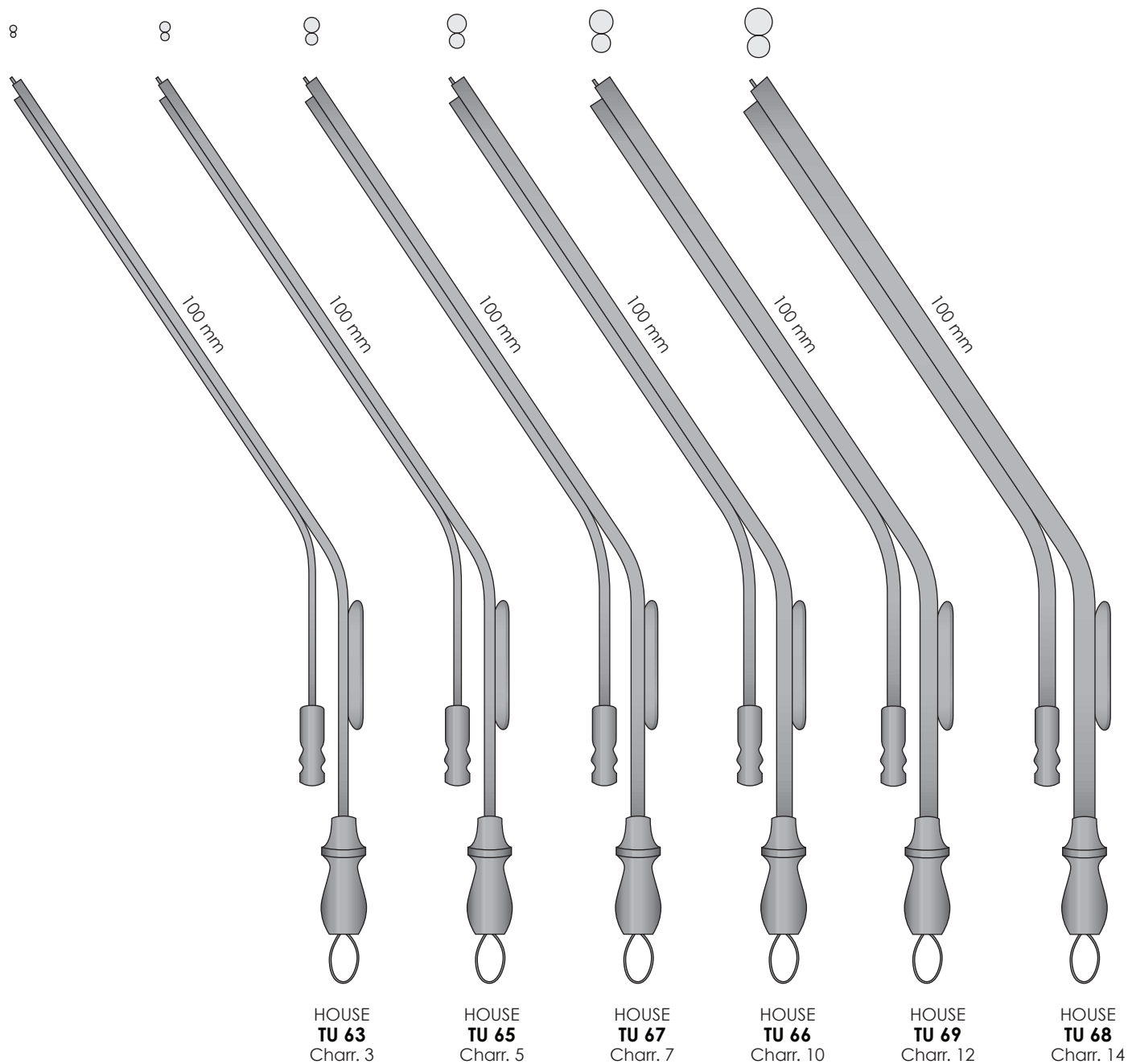


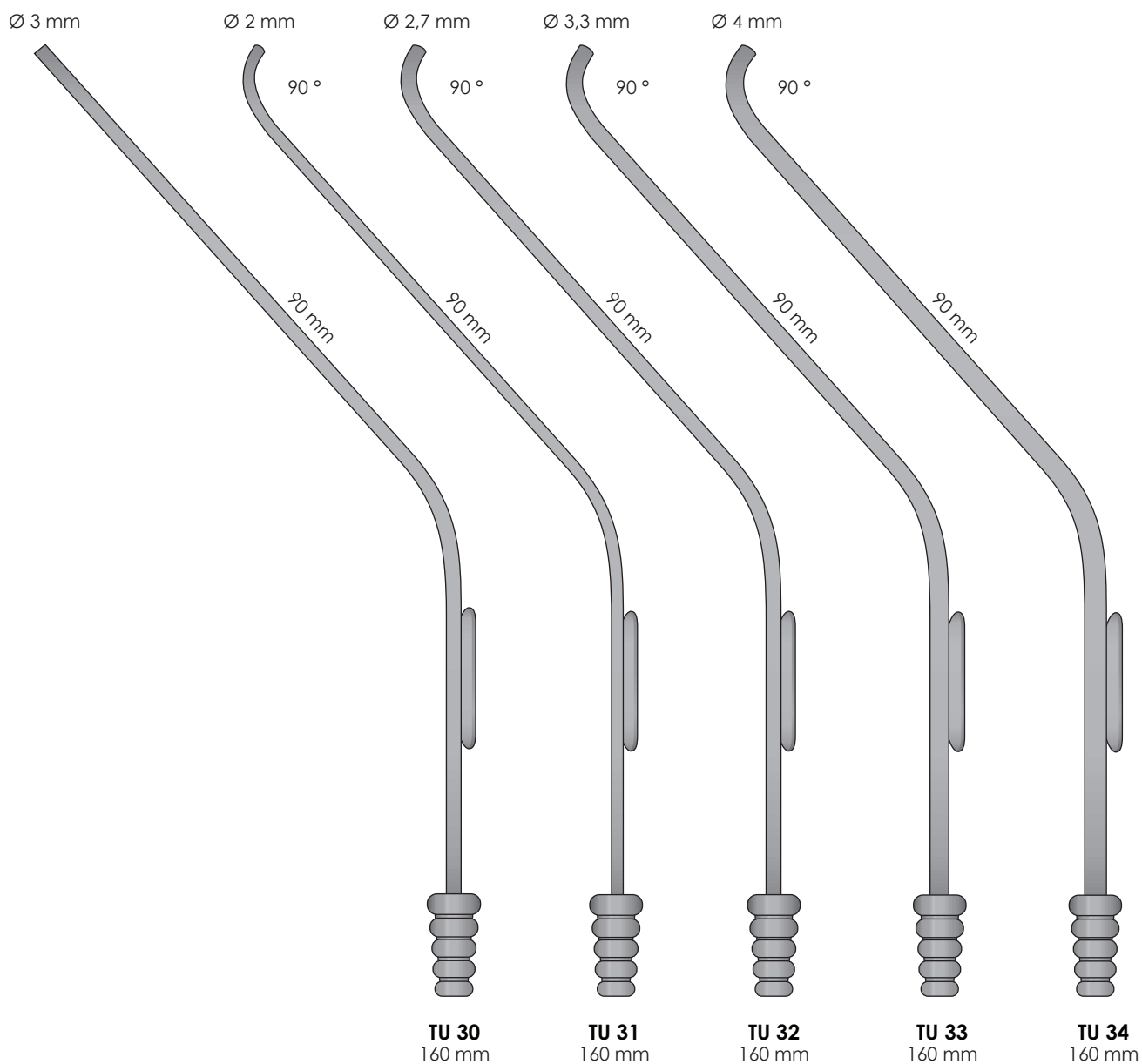
Char. 3 = 1 mm  
Char 5 = 1,7 mm  
Char 7 = 2,5 mm  
Char 10 = 3,3 mm  
Char 12 = 4 mm





|         |          |
|---------|----------|
| Char. 3 | = 1 mm   |
| Char 5  | = 1,7 mm |
| Char 7  | = 2,5 mm |
| Char 10 | = 3,3 mm |
| Char 12 | = 4 mm   |
| Char 14 | = 4,6 mm |







Suctions tubes

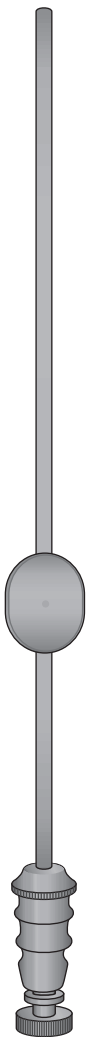
Canule per aspirazione

Absaugkanülen

Canules aspiratrices

Cànulas aspiradoras

Malleable  
Malleabile  
Biegsam  
Malléables  
Malleable  
Ø 3 mm



WERTHEIMER  
**TU 59**  
160 mm

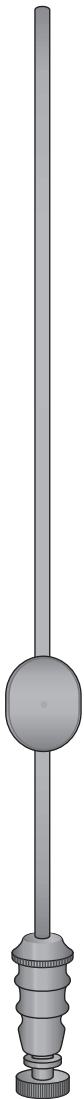
**Black Coated**

Malleable  
Malleabile  
Biegsam  
Malléables  
Malleable  
Ø 3 mm



FRAZIER  
**TU 40**  
160 mm

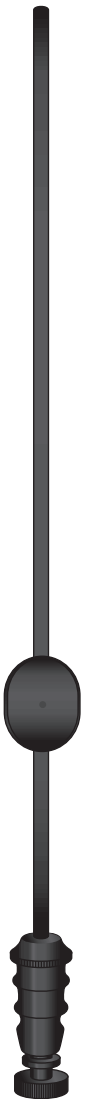
Malleable  
Malleabile  
Biegsam  
Malléables  
Malleable  
Ø 3 mm



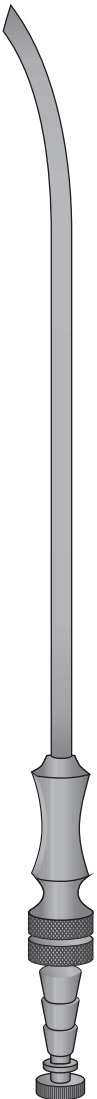
WERTHEIMER  
**TU 50**  
200 mm

**Black Coated**

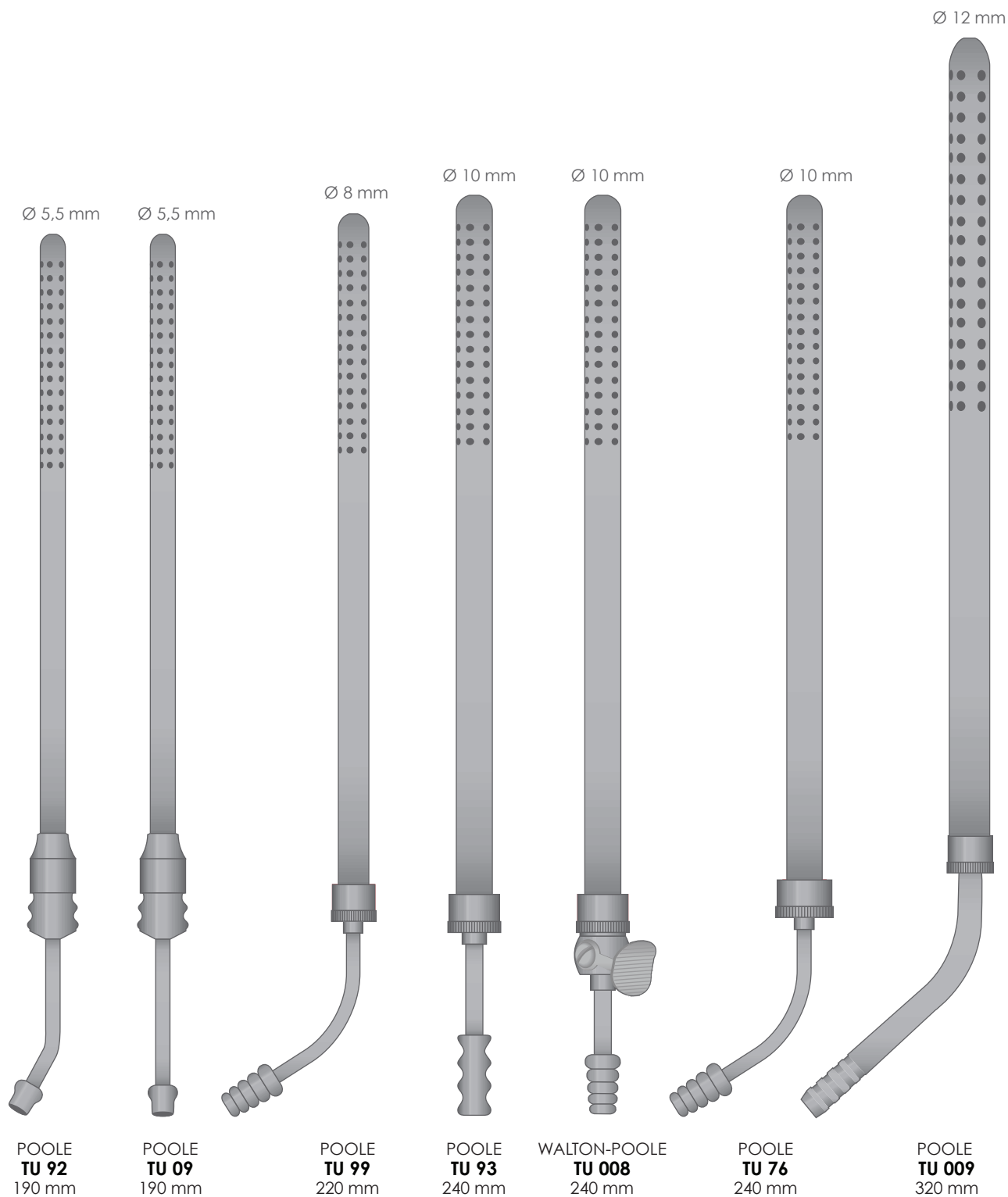
Malleable  
Malleabile  
Biegsam  
Malléables  
Malleable  
Ø 3 mm



FRAZIER  
**TU 51**  
200 mm



ADSON  
**TU 71** ch. 12  
**TU 72** ch. 15  
210 mm

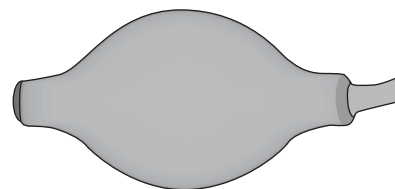


**TU 27**

Set complete with:  
Set completo con:  
Komplettsset mit:  
Set complet avec:  
Set completos con:

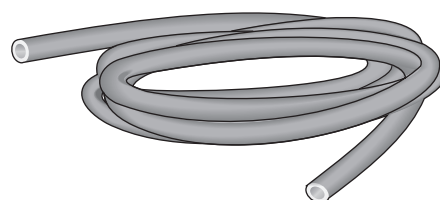
**TU 22 - TU 23 - TU 24 - TU 26**

Plastic pump

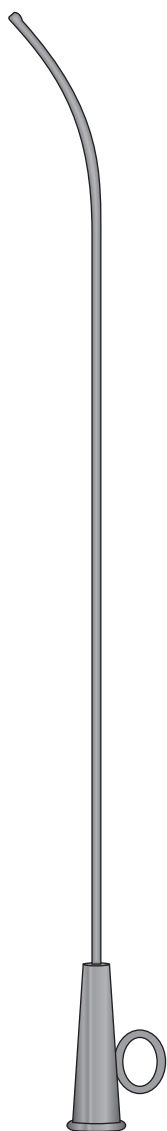
**TU 26**

Fitting in silicone for cannulas  
Autoclavable

2 mt.

**GH 60**

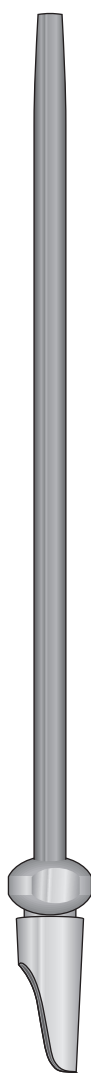
2 mt.



**TU 001** - Ø 1,5 mm  
**TU 002** - Ø 2 mm  
**TU 003** - Ø 2,5 mm

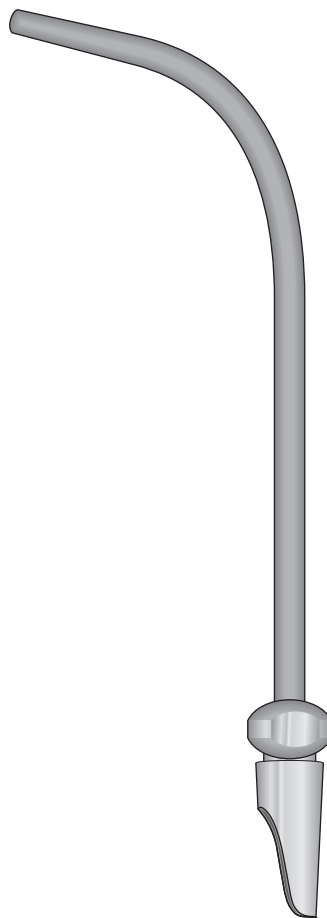
HARTMANN  
170 mm

Ø 4 mm

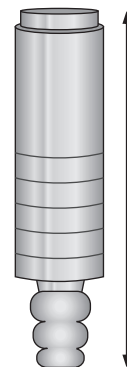


**TU 24**  
160 mm

Ø 4 mm

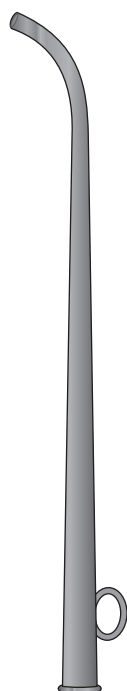


**TU 23**  
145 mm

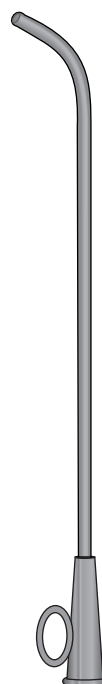


**TU 22**  
65 mm

65 mm

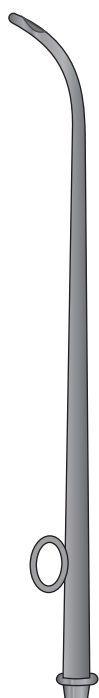
ITARD  
145 mm

|               |          |
|---------------|----------|
| <b>TU 066</b> | Ø 3,0 mm |
| <b>TU 067</b> | Ø 3,5 mm |
| <b>TU 068</b> | Ø 4,0 mm |
| <b>TU 069</b> | Ø 4,5 mm |
| <b>TU 050</b> | Ø 5,0 mm |

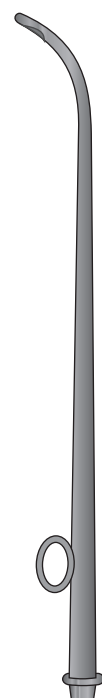
HARTMANN  
150 mm

TU 058

|               |          |
|---------------|----------|
| <b>TU 051</b> | Ø 2,0 mm |
| <b>TU 052</b> | Ø 2,5 mm |
| <b>TU 053</b> | Ø 3,0 mm |
| <b>TU 054</b> | Ø 3,5 mm |
| <b>TU 055</b> | Ø 4,0 mm |
| <b>TU 056</b> | Ø 4,5 mm |
| <b>TU 057</b> | Ø 5,0 mm |

SIEBENMANN  
150 mm

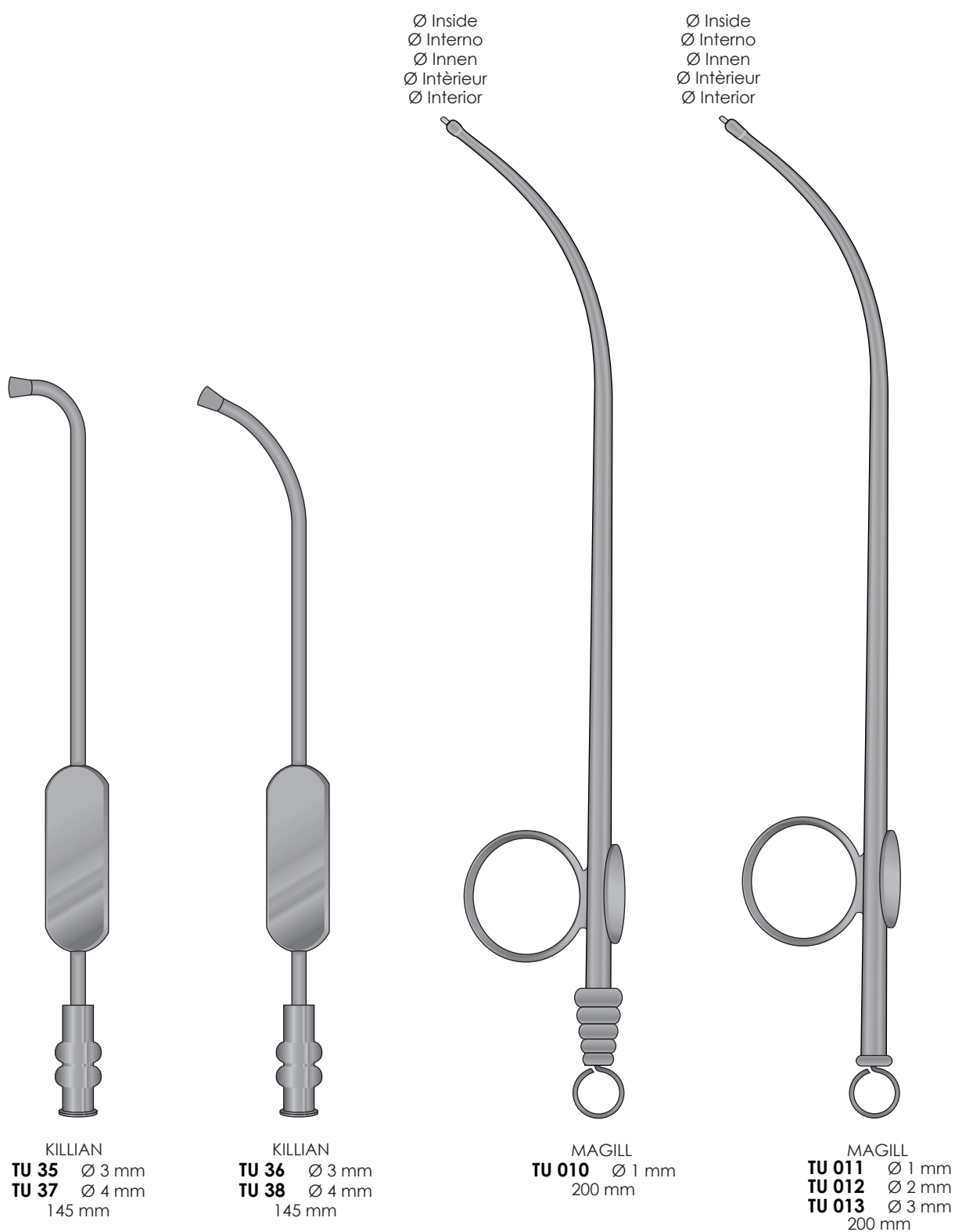
|               |          |
|---------------|----------|
| <b>TU 059</b> | Ø 1,5 mm |
| <b>TU 040</b> | Ø 1,7 mm |
| <b>TU 041</b> | Ø 2,0 mm |
| <b>TU 042</b> | Ø 2,5 mm |
| <b>TU 043</b> | Ø 3,0 mm |

SIEBENMANN  
150 mm

|               |          |
|---------------|----------|
| <b>TU 044</b> | Ø 1,5 mm |
| <b>TU 045</b> | Ø 1,7 mm |
| <b>TU 046</b> | Ø 2,0 mm |
| <b>TU 047</b> | Ø 2,5 mm |
| <b>TU 048</b> | Ø 3,0 mm |

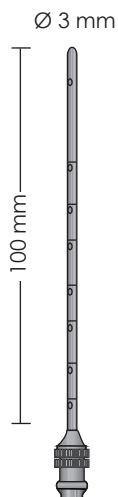


TU 049

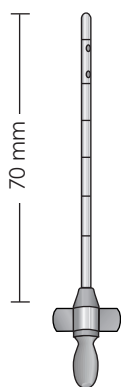




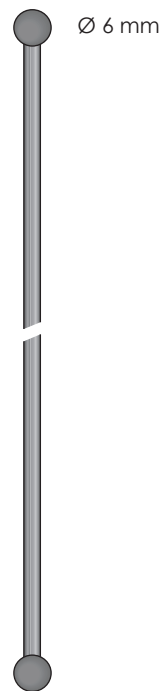
Probe for varicose veins, malleable - Sonde per varici, malleabili  
Krampfadersonden, biegsam - Sondes pour varices, malléables  
Sondas para vârices, maleables



FRAZIER  
TU 020



TU 021 - Ø 2 mm  
TU 022 - Ø 2,5 mm

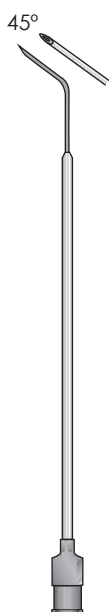


BABCOCK  
LO 56 - 400 mm  
LO 57 - 500 mm  
LO 58 - 650 mm  
LO 59 - 800 mm

Tonsil needles  
Aghi per tonsille  
Tonsillenanülen  
Aiguilles pour les amygdales  
Agujas para amígdalas



LO 11  
120 mm



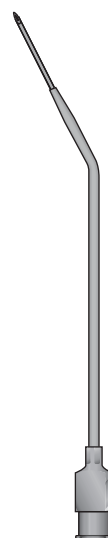
LO 12  
110 mm



LO 13  
110 mm



SEPTUN-NADEL  
LO 14  
110 mm



LO 15  
110 mm



Ø 1 mm

**LO 92**  
50 mm

Ø 2 mm

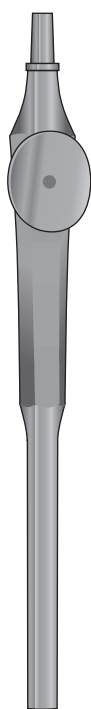
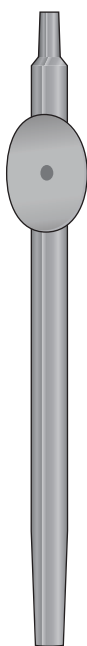
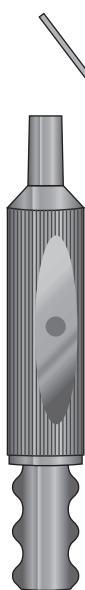
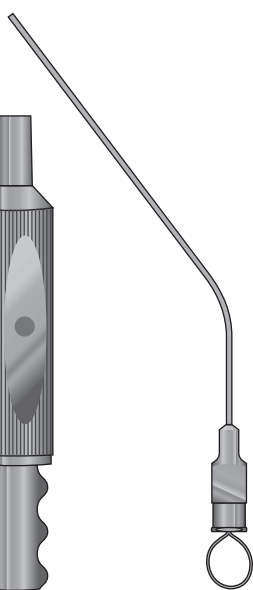
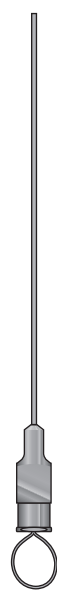
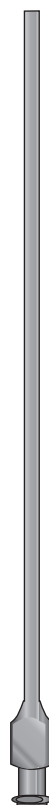
**LO 93**  
50 mm

Ø 3 mm

**LO 94**  
50 mm

Vessel irrigating cannulas, malleable  
Canule per irrigazione dei vasi, malleabili  
Gefäß-spülkanülen, biegsam  
Canules d'irrigation pour vaisseaux, malléables  
Cànulas de irrigación para vasos, maleables

Ø 3 mm   Ø 4 mm   Ø 5 mm   Ø 6 mm

**LUER-LOCK**  
**TU 54**  
120 mm**TU 56**  
110 mm**LUER-LOCK**  
**TU 52**  
65 mm**ROSEN**  
**LO 06** Ø 0,70 mm  
**LO 07** Ø 0,90 mm  
**LO 08** Ø 1,25 mm  
95 mm**ROSEN**  
**LO 03** Ø 0,70 mm  
**LO 04** Ø 0,90 mm  
**LO 05** Ø 1,25 mm  
95 mm**SCHMID**  
**LO 80**  
150 mm**SCHMID**  
**LO 81**  
150 mm**SCHMID**  
**LO 82**  
150 mm**SCHMID**  
**LO 83**  
150 mm



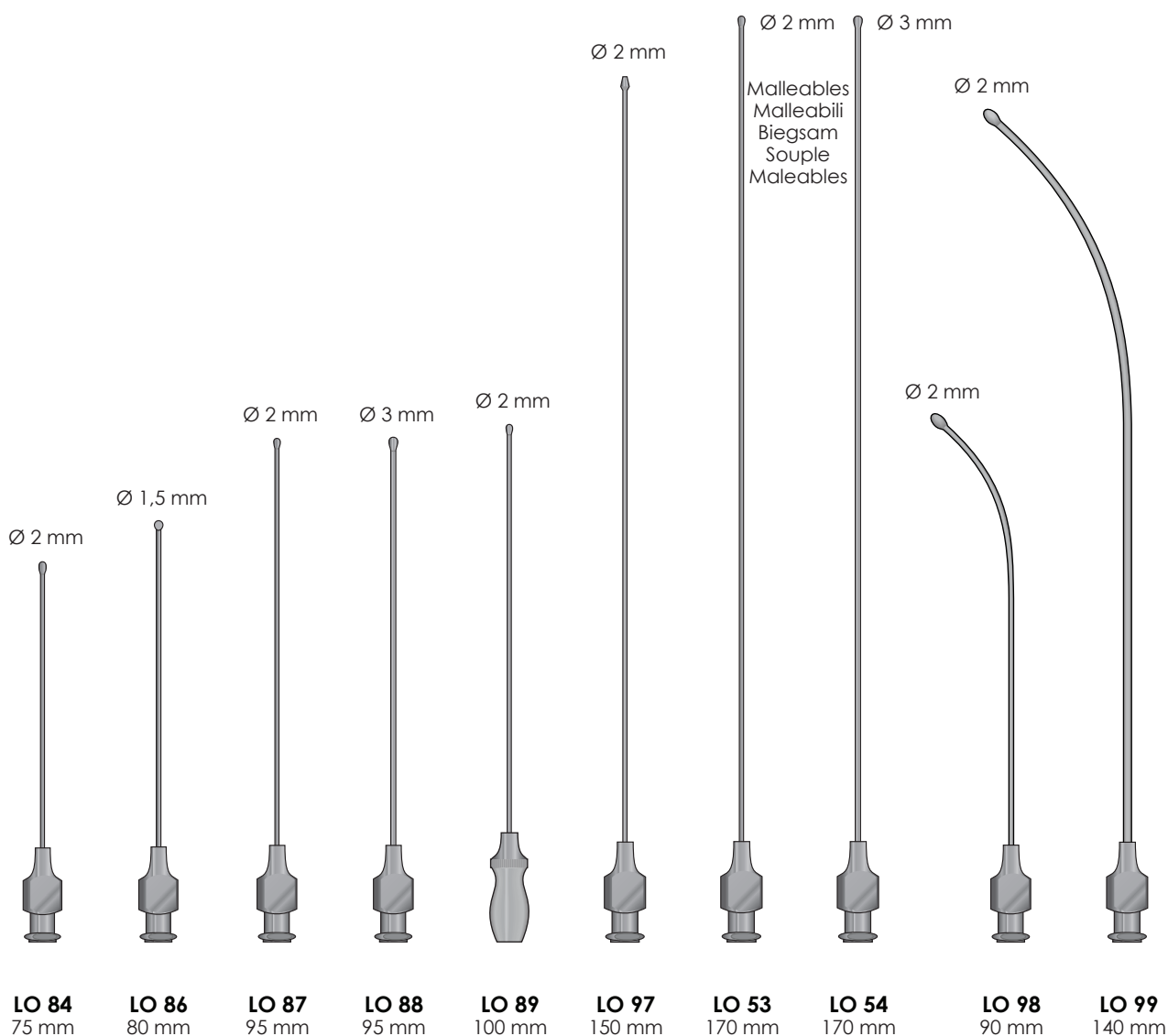
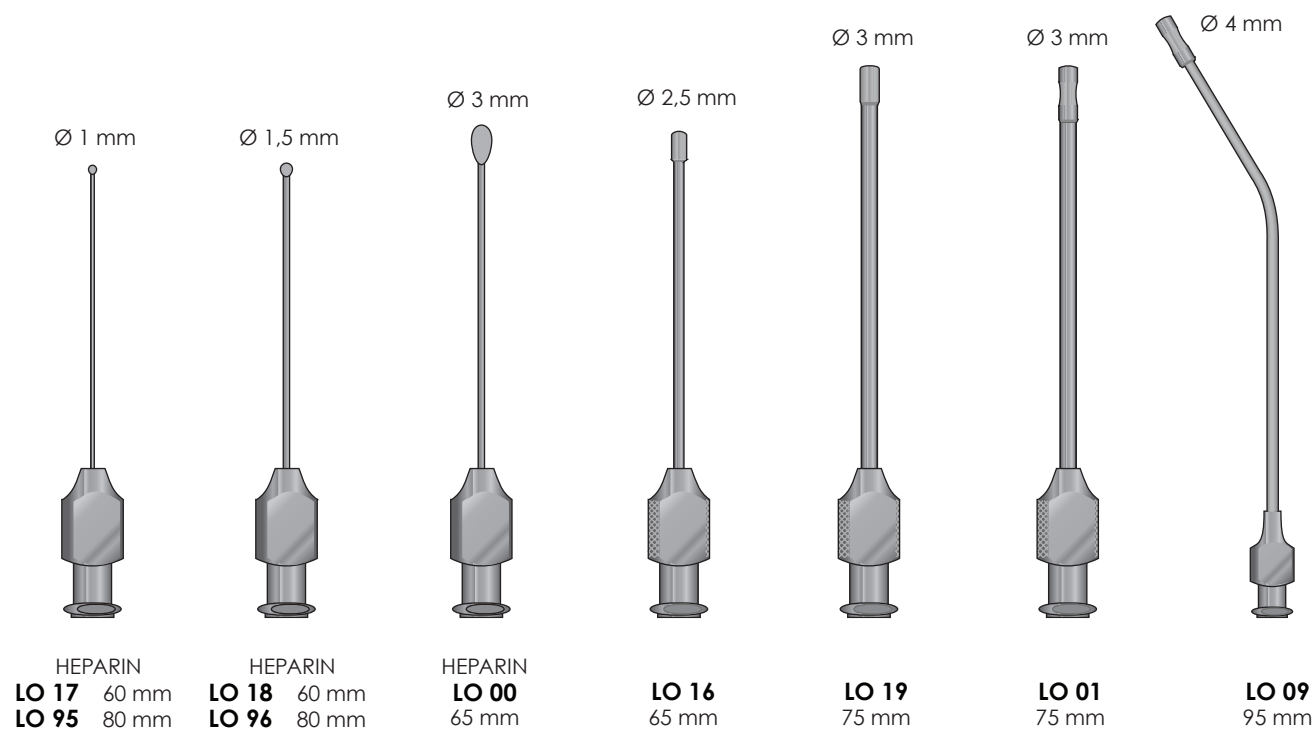
Suctions tubes

Canule per aspirazione

Absaugkanülen

Canules aspiratrices

Cànulas aspiradoras





Suctions tubes

Canule per aspirazione

Absaugkanülen

Canules aspiratrices

Cànulas aspiradoras

**Malleable Needles**

0,5 mm



**LO 36**  
150 mm

0,7 mm



**LO 37**  
150 mm

1 mm



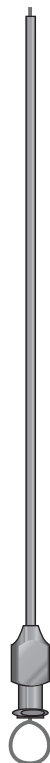
**LO 38**  
150 mm

1,5 mm



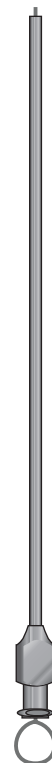
**LO 39**  
150 mm

2 mm



**LO 20**  
150 mm

2,5 mm



**LO 21**  
150 mm

3 mm



**LO 22**  
150 mm

**Malleable Needles With Two Holes**

0,5 mm



**LO 23**  
150 mm

0,7 mm



**LO 24**  
150 mm

1 mm



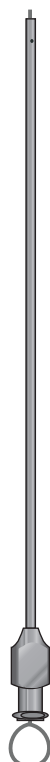
**LO 25**  
150 mm

1,5 mm



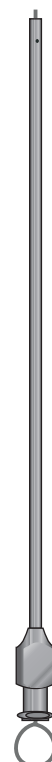
**LO 26**  
150 mm

2 mm



**LO 27**  
150 mm

2,5 mm

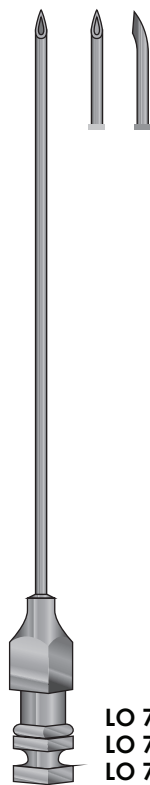


**LO 28**  
150 mm

3 mm

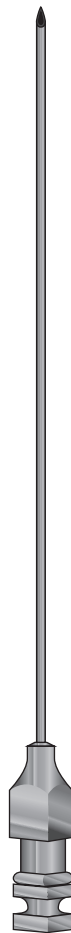


**LO 29**  
150 mm



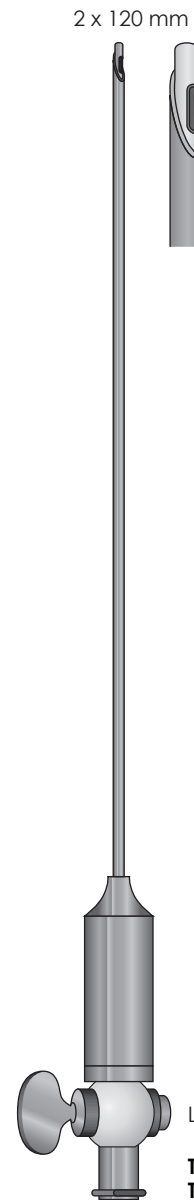
**LO 71** - 1,30 x 80 mm  
**LO 72** - 1,50 x 80 mm  
**LO 73** - 1,65 x 80 mm

TUOHY



**LO 74** - 0,70 x 80 mm  
**LO 75** - 0,70 x 90 mm  
**LO 76** - 1,00 x 80 mm  
**LO 77** - 1,00 x 90 mm  
**LO 78** - 1,20 x 90 mm  
**LO 79** - 1,20 x 100 mm

QUINCKE



LUER LOCK

**TU 39** 120 mm  
**TU 20** 150 mm

VERRES



Suctions tubes

Absaugkanülen

Cannule per aspirazione

Canules aspiratrices

Cànulas aspiradoras



**LO 060** 1,00 x 35 mm  
**LO 061** 1,00 x 70 mm  
**LO 062** 1,20 x 70 mm  
**LO 063** 1,20 x 100 mm  
**LO 064** 1,40 x 70 mm  
**LO 065** 1,40 x 100 mm  
**LO 066** 1,60 x 70 mm  
**LO 067** 1,80 x 100 mm

MENGHINI



MENGHINI

**LO 068** 1,40 x 168 mm  
**LO 069** 1,80 x 168 mm

Suction cannula, insulated  
 with finger cut-off and stylet  
 Saugkanüle, isoliert  
 mit Saugunterbrecher und Mandrin

Ø 4 mm

Ch.12

Ø 3 mm



GILMET  
**LO 69**  
 85 mm



1/1

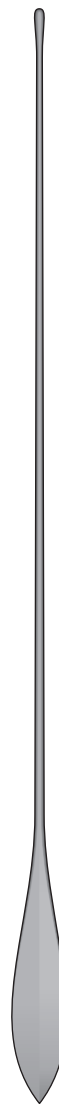


1/1



FERGUSON  
**TU 962**  
 150 mm

Silver



SEIFFERT  
**KU 06**  
 180 mm

Trokar with mandrin  
 Kanüle mit Trokardon  
 Cannula completa di mandrino  
 Canula con sonda de guida

Ø 4 mm

Ø Est. 5 mm  
 Ø Int. 4 mm



**UP 099**  
 200 mm



**Macro  
Suctions Tubes**

**Makro  
Absaugkanülen**

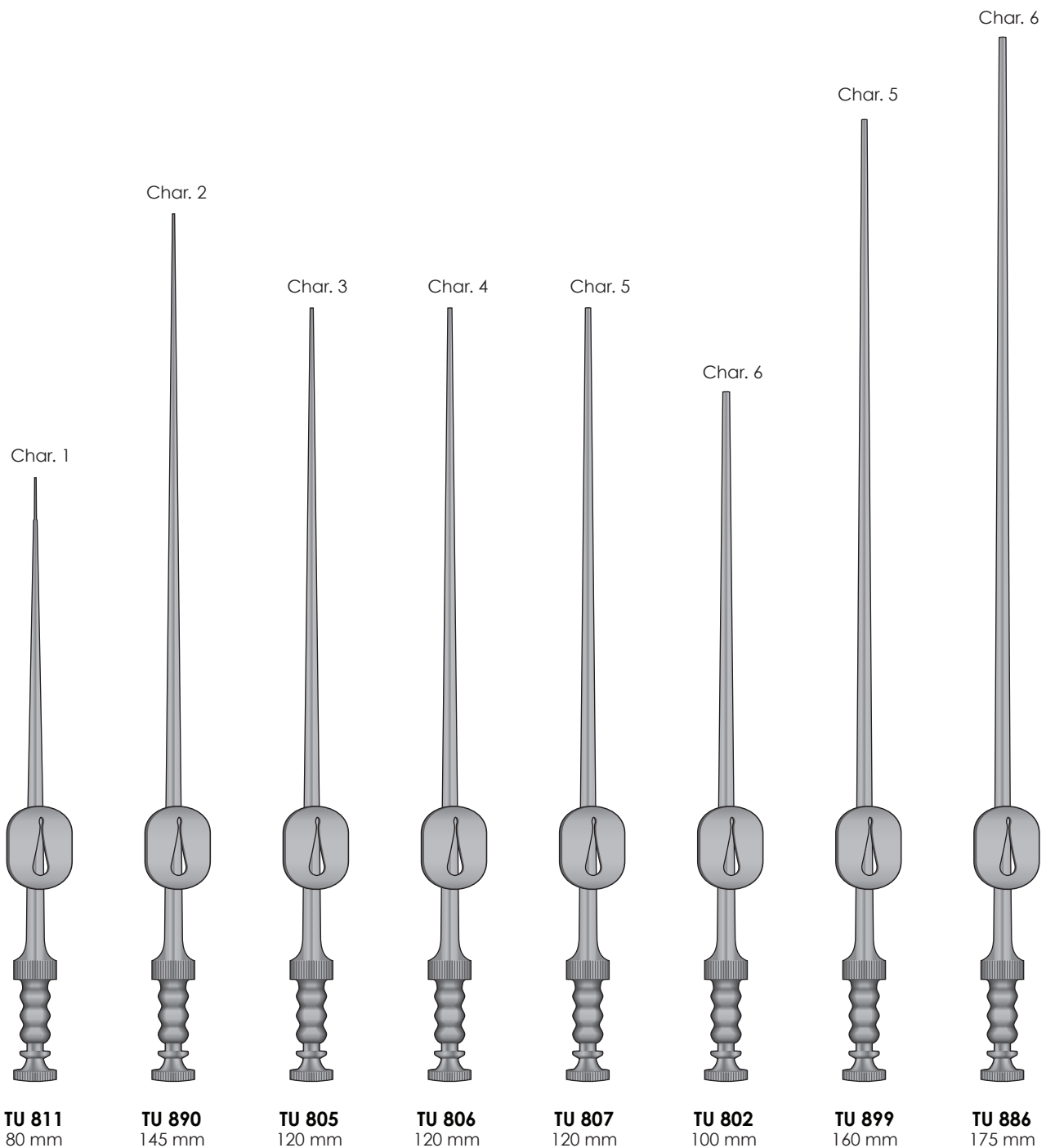
**Macro cannule  
per aspirazione**

**Macro Canules  
aspiratrices**

**Macro Cànulas  
aspiradoras**

| Length<br>Cannula | No.1<br>0,6 x 0,4 | No.2<br>0,8 x 0,6 | No.3<br>1,0 x 0,8 | No.4<br>1,2 x 1,0 | No.5<br>1,5 x 1,2 | No.6<br>2,0 x 1,6 |                      |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|
| SS = 80 mm        | <b>TU 811</b>     | <b>TU 812</b>     | <b>TU 813</b>     | <b>TU 814</b>     | <b>TU 815</b>     | <b>TU 816</b>     | For Bypass           |
| S = 100 mm        | <b>TU 817</b>     | <b>TU 818</b>     | <b>TU 819</b>     | <b>TU 800</b>     | <b>TU 801</b>     | <b>TU 802</b>     |                      |
| M = 120 mm        | <b>TU 803</b>     | <b>TU 804</b>     | <b>TU 805</b>     | <b>TU 806</b>     | <b>TU 807</b>     | <b>TU 808</b>     |                      |
| L = 145 mm        | <b>TU 809</b>     | <b>TU 890</b>     | <b>TU 891</b>     | <b>TU 892</b>     | <b>TU 893</b>     | <b>TU 894</b>     |                      |
| LL = 160 mm       | <b>TU 895</b>     | <b>TU 896</b>     | <b>TU 897</b>     | <b>TU 898</b>     | <b>TU 899</b>     | <b>TU 880</b>     | For Trans-sphenoidal |
| LLL = 175 mm      | <b>TU 881</b>     | <b>TU 882</b>     | <b>TU 883</b>     | <b>TU 884</b>     | <b>TU 885</b>     | <b>TU 886</b>     | For Trans-sphenoidal |

|          |          |
|----------|----------|
| Char. 1  | = 0,3 mm |
| Char. 2  | = 0,6 mm |
| Char. 3  | = 1,0 mm |
| Char. 4  | = 1,3 mm |
| Char. 5  | = 1,6 mm |
| Char. 6  | = 2,0 mm |
| Char. 7  | = 2,3 mm |
| Char. 8  | = 2,6 mm |
| Char. 9  | = 3,0 mm |
| Char. 10 | = 3,3 mm |



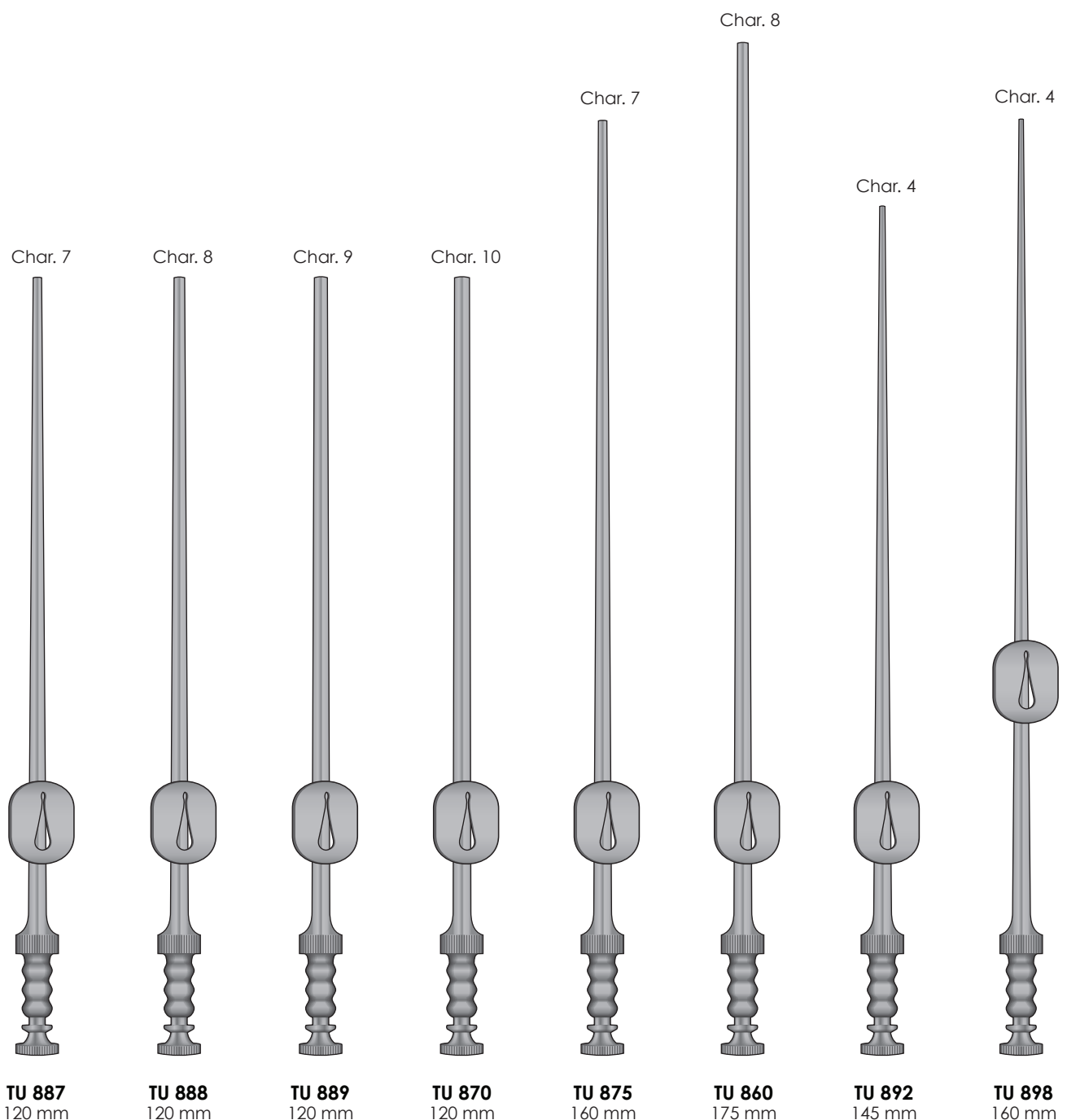


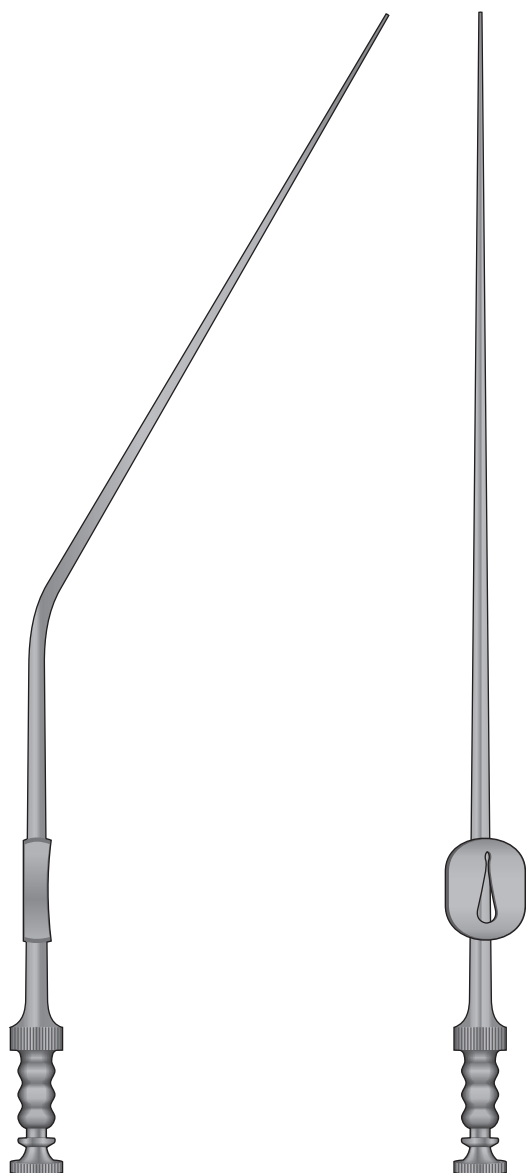
| Length<br>Cannula | No.7<br>2,5 x 1,9 | No.8<br>3,0 x 2,2 | No.9<br>3,5 x 2,5 | No.10<br>4,0 x 3,0 |
|-------------------|-------------------|-------------------|-------------------|--------------------|
| M = 120 mm        | <b>TU 887</b>     | <b>TU 888</b>     | <b>TU 889</b>     | <b>TU 870</b>      |
| L = 145 mm        | <b>TU 871</b>     | <b>TU 872</b>     | <b>TU 873</b>     | <b>TU 874</b>      |
| LL = 160 mm       | <b>TU 875</b>     | <b>TU 876</b>     | <b>TU 877</b>     | <b>TU 878</b>      |
| LLL = 175 mm      | <b>TU 879</b>     | <b>TU 860</b>     | <b>TU 861</b>     | <b>TU 862</b>      |

For Trans-sphenoidal

For Trans-sphenoidal

Char. 1 = 0,3 mm  
 Char. 2 = 0,6 mm  
 Char. 3 = 1,0 mm  
 Char. 4 = 1,3 mm  
 Char. 5 = 1,6 mm  
 Char. 6 = 2,0 mm  
 Char. 7 = 2,3 mm  
 Char. 8 = 2,6 mm  
 Char. 9 = 3,0 mm  
 Char. 10 = 3,3 mm





|          |          |
|----------|----------|
| Char. 3  | = 1,0 mm |
| Char. 4  | = 1,3 mm |
| Char. 5  | = 1,6 mm |
| Char. 6  | = 2,0 mm |
| Char. 7  | = 2,3 mm |
| Char. 8  | = 2,6 mm |
| Char. 9  | = 3,0 mm |
| Char. 10 | = 3,3 mm |
| Char. 11 | = 3,6 mm |
| Char. 12 | = 4,0 mm |

|          | Length<br>160 mm | Length<br>180 mm | Length<br>205 mm |
|----------|------------------|------------------|------------------|
| Char. 3  | <b>TU 863</b>    | <b>TU 853</b>    | <b>TU 843</b>    |
| Char. 4  | <b>TU 864</b>    | <b>TU 854</b>    | <b>TU 844</b>    |
| Char. 5  | <b>TU 865</b>    | <b>TU 855</b>    | <b>TU 845</b>    |
| Char. 6  | <b>TU 866</b>    | <b>TU 856</b>    | <b>TU 846</b>    |
| Char. 7  | <b>TU 867</b>    | <b>TU 857</b>    | <b>TU 847</b>    |
| Char. 8  | <b>TU 868</b>    | <b>TU 858</b>    | <b>TU 848</b>    |
| Char. 9  | <b>TU 869</b>    | <b>TU 859</b>    | <b>TU 849</b>    |
| Char. 10 | <b>TU 850</b>    | <b>TU 840</b>    | <b>TU 830</b>    |
| Char. 11 | <b>TU 851</b>    | <b>TU 841</b>    | <b>TU 831</b>    |
| Char. 12 | <b>TU 852</b>    | <b>TU 842</b>    | <b>TU 832</b>    |



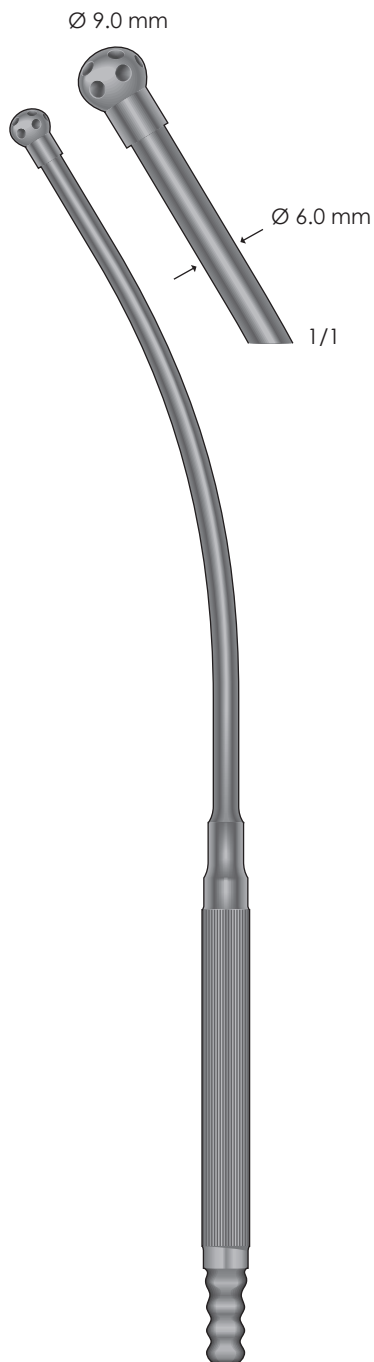
Cleaning brush  
for tubes

Kanülenreinigungs-  
bürsten

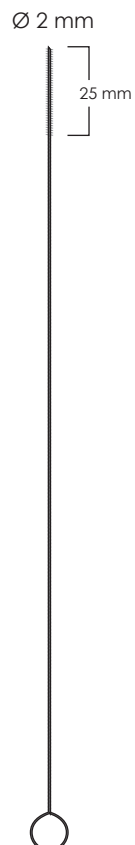
Scovolini per  
pulizia cannule

Cepillo para  
limpiar cánulas

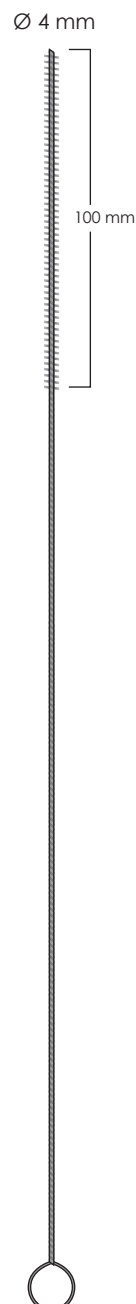
Brosse de nettoyage  
pour canules



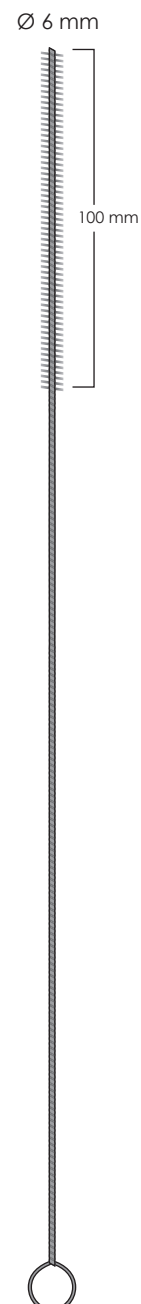
**COOLEY  
TU 960**  
300 mm



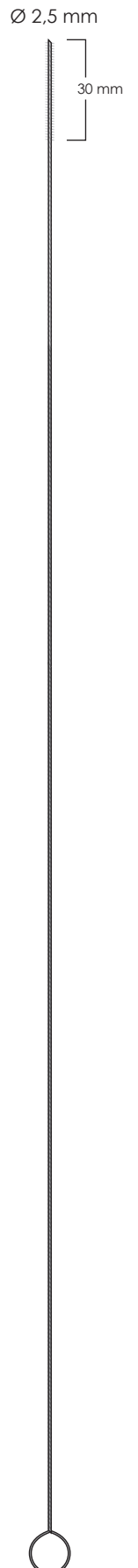
**TU 032**  
215 mm



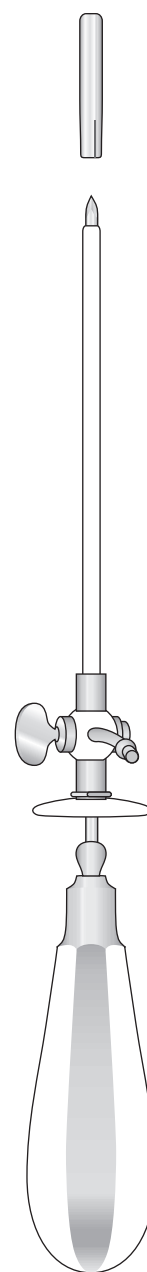
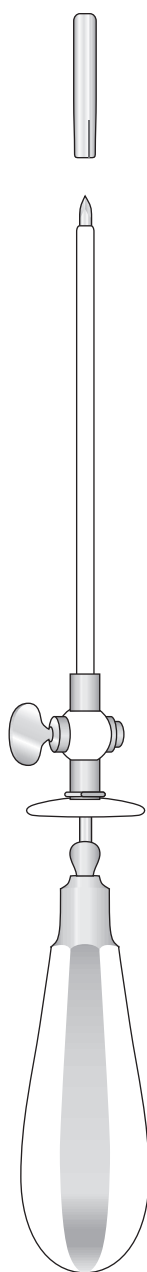
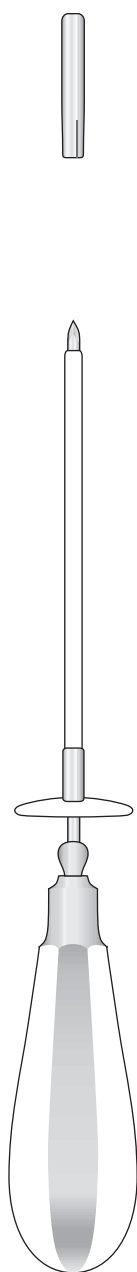
**TU 033**  
300 mm



**TU 035**  
300 mm



**TU 036**  
500 mm



Ø mm  
Esterno  
Outside  
Außen  
Extérieur  
Exterior

Ø mm  
Interno  
Inside  
Innen  
Intérieur  
Interior

STANDARD

STANDARD

STANDARD

|     |     |              |              |              |
|-----|-----|--------------|--------------|--------------|
| 3,0 | 2,0 | <b>GI 70</b> | <b>GI 90</b> | <b>GI 61</b> |
| 3,5 | 2,5 | <b>GI 74</b> | <b>GI 91</b> | <b>GI 62</b> |
| 4,0 | 3,0 | <b>GI 71</b> | <b>GI 92</b> | <b>GI 63</b> |
| 4,5 | 3,5 | <b>GI 75</b> | <b>GI 93</b> | <b>GI 64</b> |
| 5,0 | 4,0 | <b>GI 72</b> | <b>GI 94</b> | <b>GI 65</b> |
| 5,5 | 4,5 | <b>GI 76</b> | <b>GI 95</b> | <b>GI 66</b> |
| 6,0 | 5,0 | <b>GI 73</b> | <b>GI 96</b> | <b>GI 67</b> |
|     |     | 110 mm       | 120 mm       | 120 mm       |

For gall bladder - Per vescica biliare - Für die gallenblase  
Pour la vésicule biliaire - Para vesícula biliar

Fig. 1



Fig. 2



Fig. 3

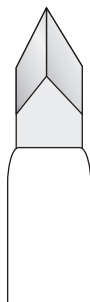
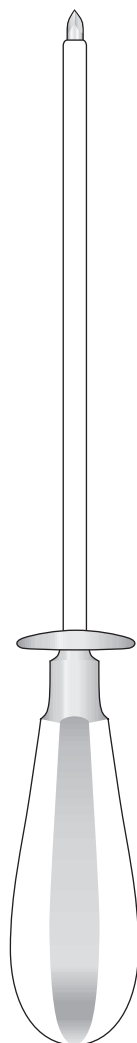
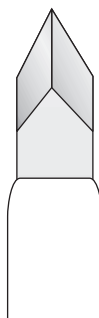


Fig. 4

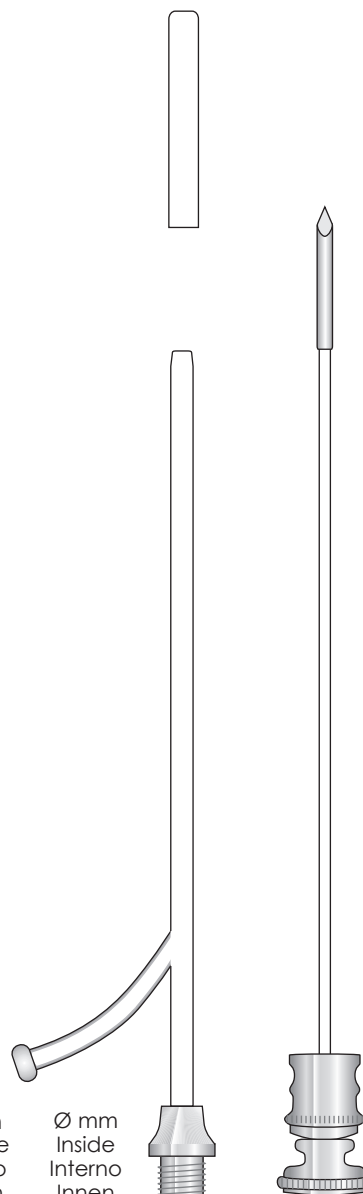


| Ø mm<br>Outside<br>Esterno<br>Außen<br>Extérieur<br>Exterior | Ø mm<br>Inside<br>Interno<br>Innen<br>Intérieur<br>Interior |
|--------------------------------------------------------------|-------------------------------------------------------------|
| 7,5                                                          | 6,0                                                         |
| 9,5                                                          | 8,0                                                         |
| 11,0                                                         | 9,5                                                         |
| 12,5                                                         | 11,0                                                        |

NELSON

|      |      |        |              |
|------|------|--------|--------------|
| 7,5  | 6,0  | Fig. 1 | <b>GI 51</b> |
| 9,5  | 8,0  | Fig. 2 | <b>GI 52</b> |
| 11,0 | 9,5  | Fig. 3 | <b>GI 53</b> |
| 12,5 | 11,0 | Fig. 4 | <b>GI 54</b> |

210 mm



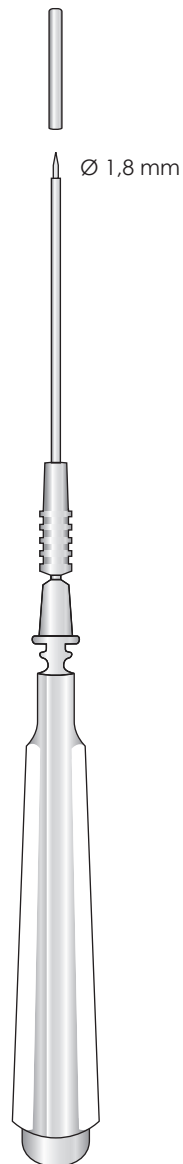
| Ø mm<br>Outside<br>Esterno<br>Außen<br>Extérieur<br>Exterior | Ø mm<br>Inside<br>Interno<br>Innen<br>Intérieur<br>Interior |
|--------------------------------------------------------------|-------------------------------------------------------------|
| 4,0                                                          | 3,0                                                         |
| 4,6                                                          | 3,6                                                         |
| 5,3                                                          | 4,3                                                         |
| 6,0                                                          | 5,0                                                         |

OCHSNER

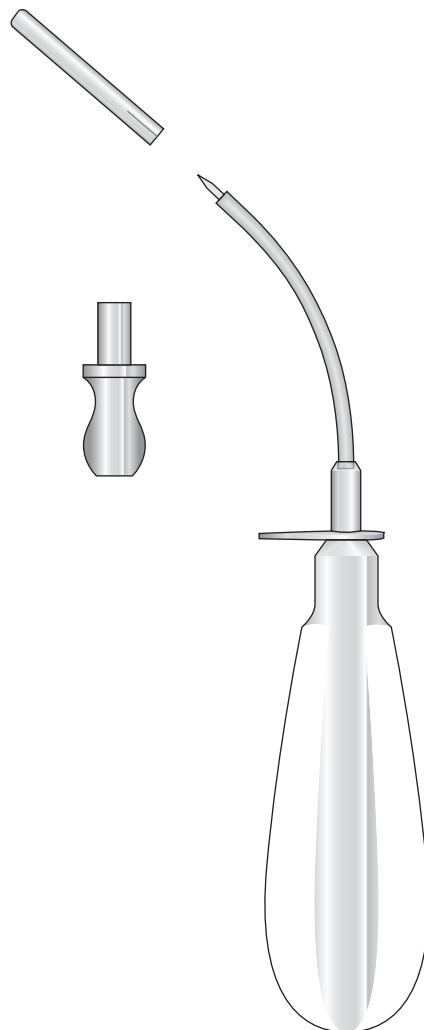
|     |     |               |
|-----|-----|---------------|
| 4,0 | 3,0 | <b>GI 090</b> |
| 4,6 | 3,6 | <b>GI 091</b> |
| 5,3 | 4,3 | <b>GI 092</b> |
| 6,0 | 5,0 | <b>GI 093</b> |

210 mm

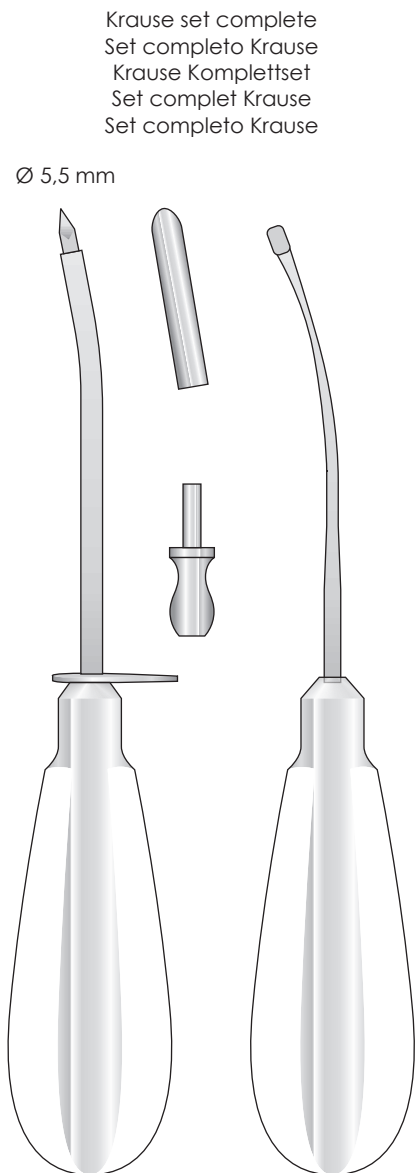
Antrum puncture trocars  
Trequarti per seno mascellare  
Kieferhöhlentrokare  
Trocarts pour sinus maxillaire  
Trócares para punción del seno maxilar



LICHTWITZ  
**GI 80**  
190 mm

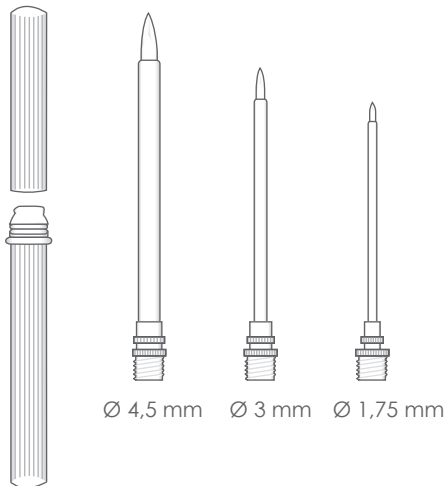


PIERCE  
**GI 82** Ø 3 mm  
**GI 83** Ø 4 mm  
**GI 84** Ø 5 mm  
160 mm



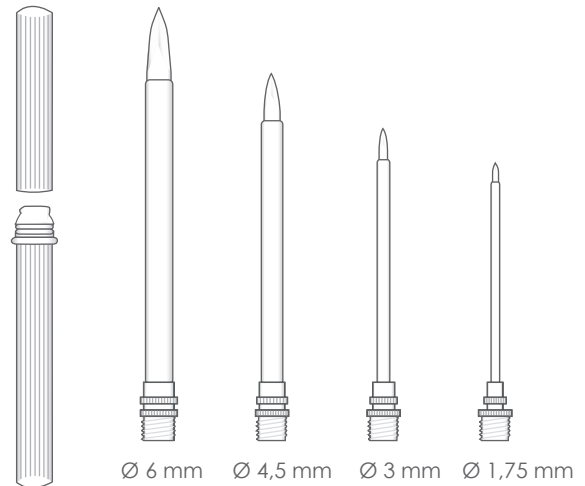
KRAUSE  
**GI 85**  
160 mm

Set of 3 pieces  
completo con 3 punte  
Satz zu 3 stück  
Jeu de 3 pièces  
Juego de 3 piezas



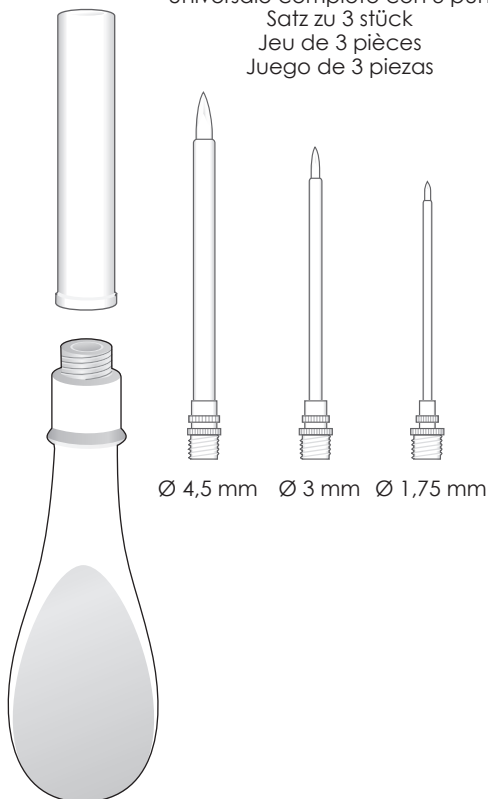
UNIVERSAL  
**GI 77**

Set of 4 pieces  
completo con 4 punte  
Satz zu 4 stück  
Jeu de 4 pièces  
Juego de 4 piezas



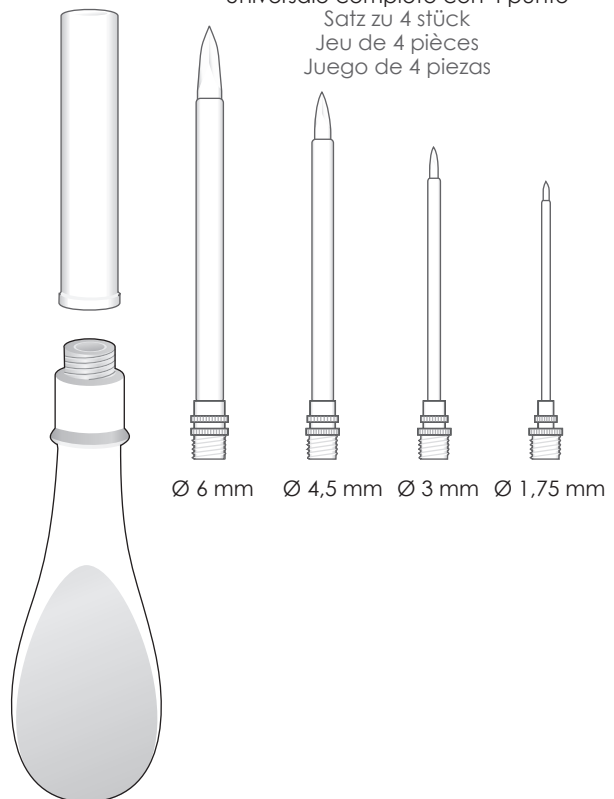
UNIVERSAL  
**GI 78**

Set of 3 pieces  
Universale completo con 3 punte  
Satz zu 3 stück  
Jeu de 3 pièces  
Juego de 3 piezas



**GI 79**  
130 mm

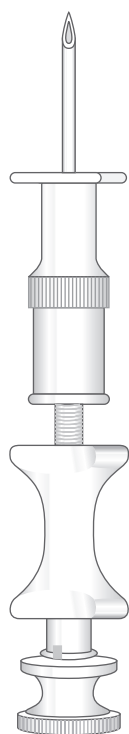
Set of 4 pieces  
Universale completo con 4 punte  
Satz zu 4 stück  
Jeu de 4 pièces  
Juego de 4 piezas



**GI 60**  
130 mm

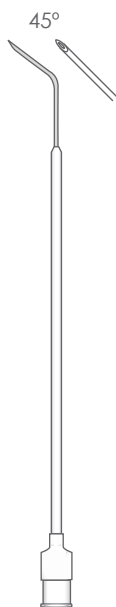


Sternal puncture needle  
Ago per la puntura dello sterno  
Sternal-punktionskänulen  
Aiguilles pour la ponction sternale  
Agujas para punción esternal

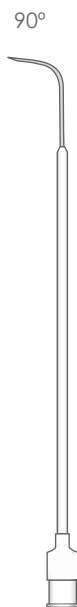




**LO 11**  
120 mm



**LO 12**  
110 mm



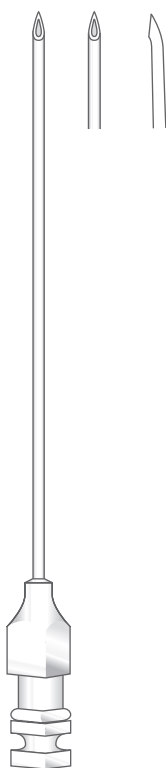
**LO 13**  
110 mm



**LO 14**  
110 mm



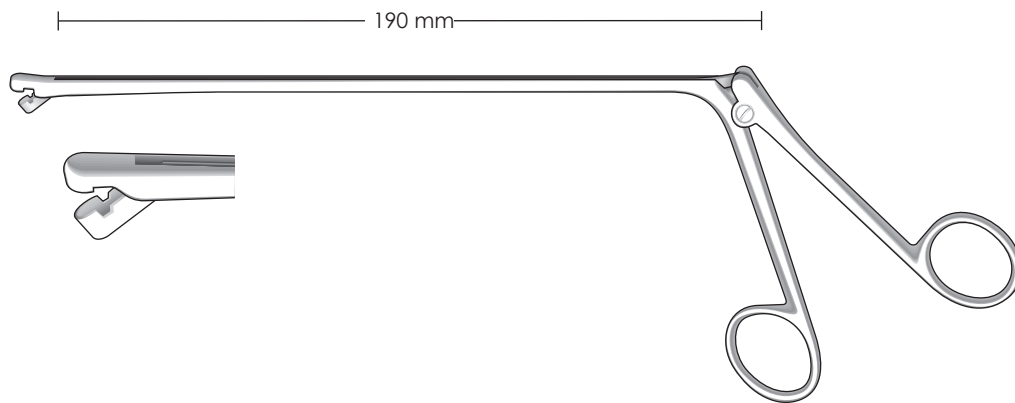
**LO 15**  
110 mm



**TUOHY**  
**LO 71** - 1,30 x 80 mm  
**LO 72** - 1,50 x 80 mm  
**LO 73** - 1,65 x 80 mm



**QUINCKE**  
**LO 74** - 0,70 x 80 mm  
**LO 75** - 0,70 x 90 mm  
**LO 76** - 1,00 x 80 mm  
**LO 77** - 1,00 x 90 mm  
**LO 78** - 1,20 x 90 mm  
**LO 79** - 1,20 x 100 mm



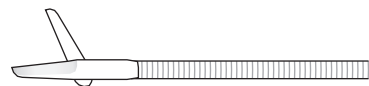
BERGER  
**UU 55**



**UU 741** 7 Fr.  
**UU 742** 9 Fr.



**UU 743** 7 Fr.  
**UU 744** 9 Fr.



**UU 745** 7 Fr.  
**UU 746** 9 Fr.





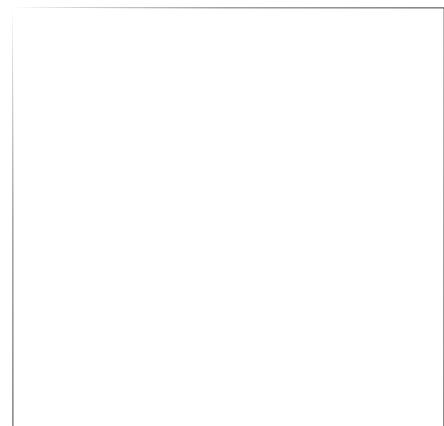


|                  |       |
|------------------|-------|
| ADSON            | PG 17 |
| ANDREWS-PYNCHON  | PG 4  |
| BABCOCK          | PG 22 |
| BABY-YANKAUER    | PG 4  |
| BARNES           | PG 11 |
| BARON            | PG 13 |
| BELLUCCI         | PG 13 |
| BERGER           | PG 38 |
| BUELAU           | PG 36 |
| COOLEY           | PG 31 |
| COUPLAND         | PG 6  |
| COUPLAND         | PG 7  |
| DE BAKEY         | PG 6  |
| FERGUSSON        | PG 12 |
| FERGUSSON        | PG 27 |
| FINSTERER        | PG 6  |
| FRAZIER          | PG 12 |
| FRAZIER          | PG 17 |
| FRAZIER          | PG 22 |
| GILMET           | PG 27 |
| GORNEY           | PG 9  |
| GUILLIEN         | PG 9  |
| HARTMANN         | PG 19 |
| HARTMANN         | PG 20 |
| HEPARIN          | PG 24 |
| HOUSE            | PG 15 |
| ITARD            | PG 20 |
| KILLIAN          | PG 21 |
| KLIMA-ROSEGGER   | PG 36 |
| KRAUSE           | PG 34 |
| LICHTWITZ        | PG 34 |
| LUER-LOCK        | PG 23 |
| MAGILL           | PG 21 |
| MC KESSON        | PG 2  |
| MENGHINI         | PG 27 |
| NELSON           | PG 33 |
| NUBOER           | PG 8  |
| OCHSNER          | PG 33 |
| Olive            | PG 6  |
| PIERCE           | PG 34 |
| PLESTER          | PG 12 |
| POOLE            | PG 18 |
| QUINCKE          | PG 26 |
| QUINCKE          | PG 37 |
| ROSEN            | PG 23 |
| ROTAN            | PG 14 |
| SAUG-RASPATORIUM | PG 9  |
| SCHMID           | PG 23 |
| SEIFFERT         | PG 27 |
| SEPTUN-NADEL     | PG 22 |
| SIEBENMANN       | PG 20 |
| TUOHY            | PG 26 |
| TUOHY            | PG 37 |
| UNIVERSAL        | PG 35 |
| VERRES           | PG 26 |
| WALTON-POOLE     | PG 18 |
| WERTHEIMER       | PG 17 |
| WULLSTEIN        | PG 7  |
| YANKAUER         | PG 4  |
| YASARGIL         | PG 10 |



|        |       |        |       |        |       |        |       |        |       |        |       |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| GH 60  | PG 19 | LO 20  | PG 25 | TU 014 | PG 8  | TU 24  | PG 19 | TU 84  | PG 1  | TU 907 | PG 10 |
| GI 090 | PG 33 | LO 21  | PG 25 | TU 02  | PG 4  | TU 26  | PG 19 | TU 840 | PG 30 | TU 91  | PG 14 |
| GI 091 | PG 33 | LO 22  | PG 25 | TU 020 | PG 22 | TU 28  | PG 8  | TU 841 | PG 30 | TU 92  | PG 18 |
| GI 092 | PG 33 | LO 23  | PG 25 | TU 021 | PG 22 | TU 29  | PG 8  | TU 842 | PG 30 | TU 93  | PG 18 |
| GI 093 | PG 33 | LO 24  | PG 25 | TU 022 | PG 22 | TU 30  | PG 16 | TU 843 | PG 30 | TU 94  | PG 14 |
| GI 51  | PG 33 | LO 25  | PG 25 | TU 023 | PG 5  | TU 31  | PG 16 | TU 844 | PG 30 | TU 940 | PG 11 |
| GI 52  | PG 33 | LO 26  | PG 25 | TU 024 | PG 5  | TU 32  | PG 16 | TU 845 | PG 30 | TU 949 | PG 11 |
| GI 53  | PG 33 | LO 27  | PG 25 | TU 025 | PG 5  | TU 33  | PG 16 | TU 846 | PG 30 | TU 95  | PG 14 |
| GI 54  | PG 33 | LO 28  | PG 25 | TU 026 | PG 5  | TU 34  | PG 16 | TU 847 | PG 30 | TU 955 | PG 11 |
| GI 58  | PG 36 | LO 29  | PG 25 | TU 03  | PG 2  | TU 35  | PG 21 | TU 848 | PG 30 | TU 956 | PG 11 |
| GI 59  | PG 36 | LO 36  | PG 25 | TU 032 | PG 31 | TU 36  | PG 21 | TU 849 | PG 30 | TU 957 | PG 11 |
| GI 60  | PG 35 | LO 37  | PG 25 | TU 033 | PG 31 | TU 37  | PG 21 | TU 85  | PG 1  | TU 958 | PG 11 |
| GI 61  | PG 32 | LO 38  | PG 25 | TU 035 | PG 31 | TU 38  | PG 21 | TU 850 | PG 30 | TU 959 | PG 11 |
| GI 62  | PG 32 | LO 39  | PG 25 | TU 036 | PG 31 | TU 39  | PG 26 | TU 851 | PG 30 | TU 96  | PG 14 |
| GI 63  | PG 32 | LO 53  | PG 24 | TU 04  | PG 2  | TU 40  | PG 17 | TU 852 | PG 30 | TU 960 | PG 31 |
| GI 64  | PG 32 | LO 54  | PG 24 | TU 041 | PG 20 | TU 41  | PG 9  | TU 853 | PG 30 | TU 962 | PG 27 |
| GI 65  | PG 32 | LO 56  | PG 22 | TU 042 | PG 20 | TU 42  | PG 9  | TU 854 | PG 30 | TU 963 | PG 11 |
| GI 66  | PG 32 | LO 57  | PG 22 | TU 043 | PG 20 | TU 45  | PG 3  | TU 855 | PG 30 | TU 964 | PG 11 |
| GI 67  | PG 32 | LO 58  | PG 22 | TU 044 | PG 20 | TU 46  | PG 3  | TU 856 | PG 30 | TU 965 | PG 11 |
| GI 70  | PG 32 | LO 59  | PG 22 | TU 045 | PG 20 | TU 47  | PG 3  | TU 857 | PG 30 | TU 97  | PG 14 |
| GI 71  | PG 32 | LO 69  | PG 27 | TU 046 | PG 20 | TU 48  | PG 3  | TU 858 | PG 30 | TU 970 | PG 12 |
| GI 72  | PG 32 | LO 70  | PG 36 | TU 047 | PG 20 | TU 50  | PG 17 | TU 859 | PG 30 | TU 971 | PG 12 |
| GI 73  | PG 32 | LO 71  | PG 26 | TU 048 | PG 20 | TU 51  | PG 17 | TU 86  | PG 7  | TU 972 | PG 12 |
| GI 74  | PG 32 | LO 71  | PG 37 | TU 049 | PG 20 | TU 52  | PG 23 | TU 860 | PG 29 | TU 973 | PG 12 |
| GI 75  | PG 32 | LO 72  | PG 26 | TU 05  | PG 2  | TU 53  | PG 13 | TU 861 | PG 29 | TU 974 | PG 12 |
| GI 76  | PG 32 | LO 72  | PG 37 | TU 050 | PG 20 | TU 54  | PG 23 | TU 862 | PG 29 | TU 975 | PG 11 |
| GI 77  | PG 35 | LO 73  | PG 26 | TU 051 | PG 20 | TU 55  | PG 13 | TU 863 | PG 30 | TU 976 | PG 11 |
| GI 78  | PG 35 | LO 73  | PG 37 | TU 052 | PG 20 | TU 56  | PG 23 | TU 864 | PG 30 | TU 977 | PG 11 |
| GI 79  | PG 35 | LO 74  | PG 26 | TU 053 | PG 20 | TU 57  | PG 13 | TU 865 | PG 30 | TU 978 | PG 11 |
| GI 80  | PG 34 | LO 74  | PG 37 | TU 054 | PG 20 | TU 59  | PG 17 | TU 866 | PG 30 | TU 98  | PG 14 |
| GI 82  | PG 34 | LO 75  | PG 26 | TU 055 | PG 20 | TU 60  | PG 9  | TU 867 | PG 30 | TU 980 | PG 10 |
| GI 83  | PG 34 | LO 75  | PG 37 | TU 056 | PG 20 | TU 61  | PG 10 | TU 868 | PG 30 | TU 982 | PG 13 |
| GI 84  | PG 34 | LO 76  | PG 26 | TU 057 | PG 20 | TU 62  | PG 10 | TU 869 | PG 30 | TU 99  | PG 18 |
| GI 85  | PG 34 | LO 76  | PG 37 | TU 058 | PG 20 | TU 63  | PG 15 | TU 87  | PG 7  | TU 992 | PG 10 |
| GI 90  | PG 32 | LO 77  | PG 26 | TU 059 | PG 20 | TU 64  | PG 4  | TU 870 | PG 29 | TU 993 | PG 10 |
| GI 91  | PG 32 | LO 77  | PG 37 | TU 06  | PG 2  | TU 65  | PG 15 | TU 871 | PG 29 | TU 994 | PG 10 |
| GI 92  | PG 32 | LO 78  | PG 26 | TU 060 | PG 12 | TU 66  | PG 15 | TU 872 | PG 29 | TU 995 | PG 10 |
| GI 93  | PG 32 | LO 78  | PG 37 | TU 061 | PG 12 | TU 67  | PG 15 | TU 873 | PG 29 | TU 996 | PG 10 |
| GI 94  | PG 32 | LO 79  | PG 26 | TU 062 | PG 12 | TU 68  | PG 15 | TU 874 | PG 29 | TU 997 | PG 10 |
| GI 95  | PG 32 | LO 79  | PG 37 | TU 063 | PG 12 | TU 69  | PG 15 | TU 875 | PG 29 | TU 998 | PG 10 |
| GI 96  | PG 32 | LO 80  | PG 23 | TU 064 | PG 12 | TU 71  | PG 17 | TU 876 | PG 29 | TU 999 | PG 10 |
| KU 06  | PG 27 | LO 81  | PG 23 | TU 066 | PG 20 | TU 72  | PG 17 | TU 877 | PG 29 | UP 099 | PG 27 |
| LO 00  | PG 24 | LO 82  | PG 23 | TU 067 | PG 20 | TU 73  | PG 13 | TU 878 | PG 29 | UU 55  | PG 38 |
| LO 01  | PG 24 | LO 83  | PG 23 | TU 068 | PG 20 | TU 75  | PG 13 | TU 879 | PG 29 | UU 741 | PG 38 |
| LO 03  | PG 23 | LO 84  | PG 24 | TU 069 | PG 20 | TU 76  | PG 18 | TU 88  | PG 7  | UU 742 | PG 38 |
| LO 05  | PG 23 | LO 86  | PG 24 | TU 07  | PG 2  | TU 77  | PG 13 | TU 880 | PG 28 | UU 743 | PG 38 |
| LO 06  | PG 23 | LO 87  | PG 24 | TU 070 | PG 12 | TU 78  | PG 9  | TU 881 | PG 28 | UU 744 | PG 38 |
| LO 060 | PG 27 | LO 88  | PG 24 | TU 071 | PG 12 | TU 79  | PG 9  | TU 882 | PG 28 | UU 745 | PG 38 |
| LO 061 | PG 27 | LO 89  | PG 24 | TU 072 | PG 12 | TU 80  | PG 1  | TU 883 | PG 28 | UU 746 | PG 38 |
| LO 062 | PG 27 | LO 92  | PG 23 | TU 073 | PG 12 | TU 800 | PG 28 | TU 884 | PG 28 |        |       |
| LO 063 | PG 27 | LO 93  | PG 23 | TU 074 | PG 12 | TU 801 | PG 28 | TU 885 | PG 28 |        |       |
| LO 064 | PG 27 | LO 94  | PG 23 | TU 075 | PG 6  | TU 802 | PG 28 | TU 886 | PG 28 |        |       |
| LO 065 | PG 27 | LO 95  | PG 24 | TU 076 | PG 6  | TU 803 | PG 28 | TU 887 | PG 29 |        |       |
| LO 066 | PG 27 | LO 96  | PG 24 | TU 077 | PG 6  | TU 804 | PG 28 | TU 888 | PG 29 |        |       |
| LO 067 | PG 27 | LO 97  | PG 24 | TU 078 | PG 6  | TU 805 | PG 28 | TU 889 | PG 29 |        |       |
| LO 068 | PG 27 | LO 98  | PG 24 | TU 08  | PG 2  | TU 806 | PG 28 | TU 89  | PG 7  |        |       |
| LO 069 | PG 27 | LO 99  | PG 24 | TU 09  | PG 18 | TU 807 | PG 28 | TU 890 | PG 28 |        |       |
| LO 07  | PG 23 | LO 81  | PG 23 | TU 094 | PG 5  | TU 808 | PG 28 | TU 891 | PG 28 |        |       |
| LO 08  | PG 23 | TU 00  | PG 4  | TU 095 | PG 5  | TU 809 | PG 28 | TU 892 | PG 28 |        |       |
| LO 09  | PG 24 | TU 000 | PG 8  | TU 096 | PG 5  | TU 81  | PG 1  | TU 893 | PG 28 |        |       |
| LO 11  | PG 22 | TU 001 | PG 19 | TU 097 | PG 5  | TU 811 | PG 28 | TU 894 | PG 28 |        |       |
| LO 11  | PG 37 | TU 002 | PG 19 | TU 098 | PG 5  | TU 812 | PG 28 | TU 895 | PG 28 |        |       |
| LO 12  | PG 22 | TU 003 | PG 19 | TU 12  | PG 7  | TU 813 | PG 28 | TU 896 | PG 28 |        |       |
| LO 12  | PG 37 | TU 004 | PG 6  | TU 13  | PG 7  | TU 814 | PG 28 | TU 897 | PG 28 |        |       |
| LO 13  | PG 22 | TU 005 | PG 6  | TU 14  | PG 7  | TU 815 | PG 28 | TU 898 | PG 28 |        |       |
| LO 13  | PG 37 | TU 006 | PG 6  | TU 15  | PG 7  | TU 816 | PG 28 | TU 899 | PG 28 |        |       |
| LO 14  | PG 22 | TU 007 | PG 6  | TU 16  | PG 4  | TU 817 | PG 28 | TU 90  | PG 8  |        |       |
| LO 14  | PG 37 | TU 008 | PG 18 | TU 17  | PG 4  | TU 818 | PG 28 | TU 900 | PG 10 |        |       |
| LO 15  | PG 22 | TU 009 | PG 18 | TU 18  | PG 10 | TU 819 | PG 28 | TU 901 | PG 10 |        |       |
| LO 15  | PG 37 | TU 01  | PG 7  | TU 19  | PG 8  | TU 82  | PG 1  | TU 902 | PG 10 |        |       |
| LO 16  | PG 24 | TU 010 | PG 21 | TU 198 | PG 8  | TU 83  | PG 1  | TU 903 | PG 10 |        |       |
| LO 17  | PG 24 | TU 011 | PG 21 | TU 20  | PG 26 | TU 830 | PG 30 | TU 904 | PG 10 |        |       |
| LO 18  | PG 24 | TU 012 | PG 21 | TU 22  | PG 19 | TU 831 | PG 30 | TU 905 | PG 10 |        |       |
| LO 19  | PG 24 | TU 013 | PG 21 | TU 23  | PG 19 | TU 832 | PG 30 | TU 906 | PG 10 |        |       |





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