

medical needles, adaptors and stopcocks
medizinische nadeln, verbinder und hähne
aiguilles médicales, raccords et robinets

Medizinische Nadeln – die Präzisionsindustrie im Dienste der Medizin

UNIMED kann auf über ein halbes Jahrhundert Erfahrung und zielbewusste Tätigkeit im Bereiche medizinischer Nadeln zurückblicken. Mit der stetigen Entwicklung der Medizin konnte dank Verbesserung traditioneller Fertigungsmethoden und Einführung modernster Technologien laufend Schritt gehalten werden. Die Präzisionsarbeit erfahrener Fachkräfte und die sorgfältige Auswahl hochwertiger Rohmaterialien haben UNIMED weltweit für einen hohen Qualitätsstandard bekannt gemacht. Eine besondere Stärke des Unternehmens liegt in seiner Fähigkeit, sich den spezifischen Wünschen seiner Kundschaft in Bezug auf Qualität und Sortiment seiner Produkte anzupassen.

Aiguilles médicales – l'industrie de précision au service de la médecine

UNIMED s'est consacré depuis plus d'un demi-siècle à la fabrication d'aiguilles médicales, en associant son développement aux progrès constants de la médecine et aux évolutions les plus récentes de la technique. L'entreprise jouit dans le monde entier de la confiance du corps médical, grâce au travail de précision exécuté par des ouvriers qualifiés et au grand soin apporté dans le choix des matières premières. La force de l'entreprise réside dans sa capacité d'adaptation aux exigences des clients sur les plans de la qualité et de la diversité des produits.

Medical needles – precision industry at the service of medicine

UNIMED has devoted its efforts to the production of medical needles for over half a century, keeping its development in step with the constant progress in medicine and the latest advances in technology. Thanks to the precision workmanship put in by specialized workers and the great care taken in the choice of raw materials, the firm enjoys the confidence of the medical profession throughout the world. One of the main strengths of UNIMED is its capacity to adapt to customer requirements relating to the quality and the variety of the products offered.

KATALOG/CATALOGUE

No. 2018-A

Dieser Katalog enthält die gebräuchlichsten Kanülen, Verbinder und Hahnen unseres Standardsortimentes.

Zusätzlich zu den abgebildeten Standardartikeln können wir, meist kurzfristig, auch Sonderanfertigungen liefern.

Sont illustrés dans ce catalogue les aiguilles, raccords et robinets les plus courants de notre assortiment d'articles standard.

En plus de ces articles standard, nous fabriquons vos exécutions spéciales dans de brefs délais.

This catalogue contains the most popular needles, adaptors and stopcocks of our standard product range.

In addition to these standard items, we can supply specials according to your specifications at fairly short notice.



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Bei Ihrer Bestellung...

geben Sie bitte die folgenden Angaben, damit zeitraubende Rückfragen und Fehllieferungen vermieden werden:

- Anzahl (Stück, Dutzend)
- Artikelnummer, Name
- Durchmesser
- Länge

Die Injektions-Kanülen der Seite 4 werden in Dutzendpackung geliefert. Alle übrigen Artikel können einzeln bestellt werden.

Die Nadeln, Verbinder und Hähne sind nicht in sterilem Zustand geliefert.

Die Reinigungsanleitung und Sterilisationsverfahren findet man auf Unimed website.

Les commandes...

devraient stipuler les points suivants, afin d'assurer une livraison correcte et rapide:

- quantité (pièces, douzaines)
- numéro de référence, nom
- diamètre
- longueur

Les aiguilles à injection de la page 4 sont livrées en emballage de douze pièces. Tous les autres articles peuvent être obtenus individuellement.

Les aiguilles, raccords et robinets sont livrés non désinfectés et non stériles.

Une instruction de lavage, désinfection et stérilisation est disponible sur le site internet de Unimed.

When ordering...

please specify your requirements as follows in order to avoid any loss of time and the possibility of errors:

- quantity (units, dozen)
- reference number, name
- diameter
- length

The injection needles shown on page 4 are delivered in dozen packages. All other items can be ordered in single units.

The needles, connectors and stopcocks supplied by Unimed are delivered in a clean but non sterile state. Cleaning and sterilization procedure are available on Unimed website.

Unsere Kanülen werden in metrischen Abmessungen gefertigt, jedoch gemäß Kundenauftrag entweder in mm oder in Gauge gekennzeichnet. Die nebenstehende Tabelle gibt einen ungefähren Vergleich zwischen metrischen und angloamerikanischen Abmessungen.

Nos aiguilles sont fabriquées en dimensions métriques, mais sont marquées en mm ou en gauge selon la commande du client. Le tableau ci-contre indique la conversion approximative des dimensions anglo-américaines par rapport aux dimensions métriques.

Our needles are normally manufactured in metric measurements, but are marked either with mm or gauge sizes according to our customers' orders. The conversion chart on the right shows the approximate equivalents of metric and gauge/ inch sizes.

Konversionstabelle Tableau de conversion Conversion chart

Ø mm	gauge	L mm	inches
0.30	30G	3	1/8"
0.35	28G	6	1/4"
0.40	27G	8	5/16"
0.45	26G	10	3/8"
0.50	25G	13	1/2"
0.55	24G	15	5/8"
0.60	23G	20	3/4"
0.70	22G	22	7/8"
0.80	21G	25	1"
0.90	20G	30	1 1/4"
1.00/1.10	19G	35	1 3/8"
1.20/1.30	18G	40	1 1/2"
1.40/1.50	17G	45	1 3/4"
1.60	16G	50	2"
1.80	15G	60	2 1/2"
2.00/2.10	14G	70	2 3/4"
2.40	13G	75	3"
2.80	12G	80	3 1/4"
3.00	11G	90	3 1/2"
3.50	10G	100	4"
4.00	8G		
4.50	7G	110	4 1/4"
5.00	6G	120	4 3/4"
		125	5"
		150	6"
		200	8"

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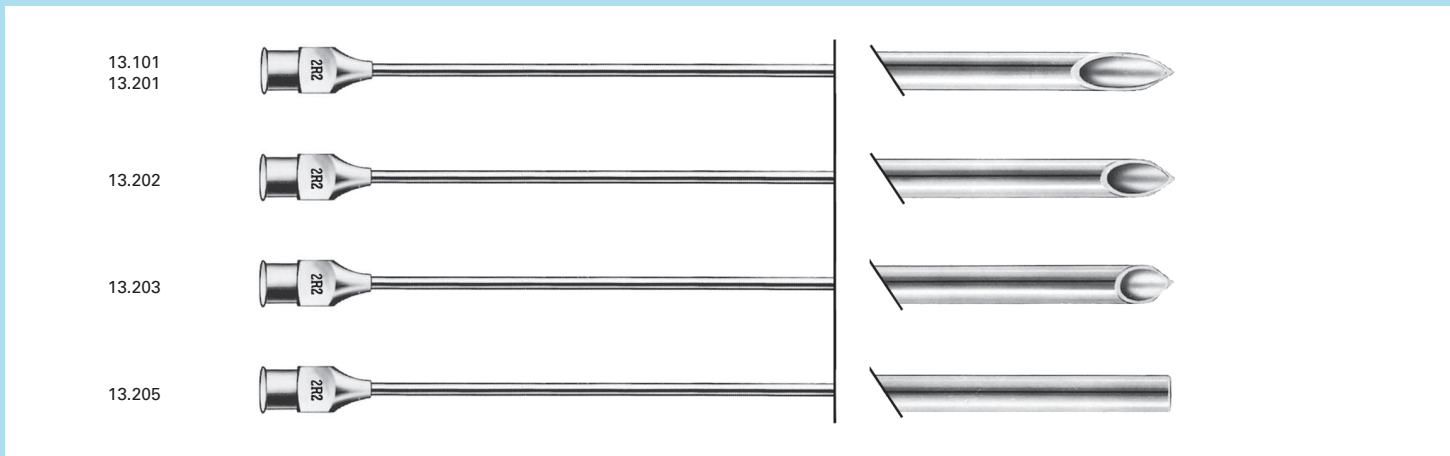
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Injektions-Kanülen mit Luer Lock-Ansatz Aiguilles à injection avec embase Luer Lock Injection needles with Luer Lock hub



13.101 **Pravaz Luer Lock** normale Spitze / biseau normal / regular bevel

N°	1	2	12	14	15	16	17	18	19	20
∅ mm	0.90 × 38	0.80 × 35	0.70 × 32	0.65 × 30	0.65 × 25	0.60 × 25	0.55 × 25	0.50 × 23	0.45 × 21	0.45 × 18

13.201 **Injection Luer Lock** normale Spitze / biseau normal / regular bevel (intramuscular)

13.202 **Injection Luer Lock** kurze Spitze / biseau court / short bevel (intravenous)

13.203 **Injection Luer Lock** extrakurze Spitze / biseau extra-court / very short bevel (intradermal)

13.205 **Injection Luer Lock** stumpfe Spitze / pointe mousse / blunt point

L→mm	8	10	13	15	20	25	30	35	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200	
L→inches	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 3/8"	1 1/2"	2"	2 1/2"	2 3/4"	3 1/4"	3 1/2"	4"	4 1/4"	4 3/4"	5"	5 1/2"	6"	6 1/2"	7"	8"	
∅ mm																								
∅ gauge																								
0.30 30G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.35 28G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.40 27G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.45 26G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.50 25G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.55 24G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.60 23G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.70 22G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.80 21G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0.90 20G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.00 19G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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1.20 18G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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1.40 17G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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1.80 15G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.00 14G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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2.40 13G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.80 12G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.00 11G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

■ Lagergrößen / dimensions du stock / stock sizes

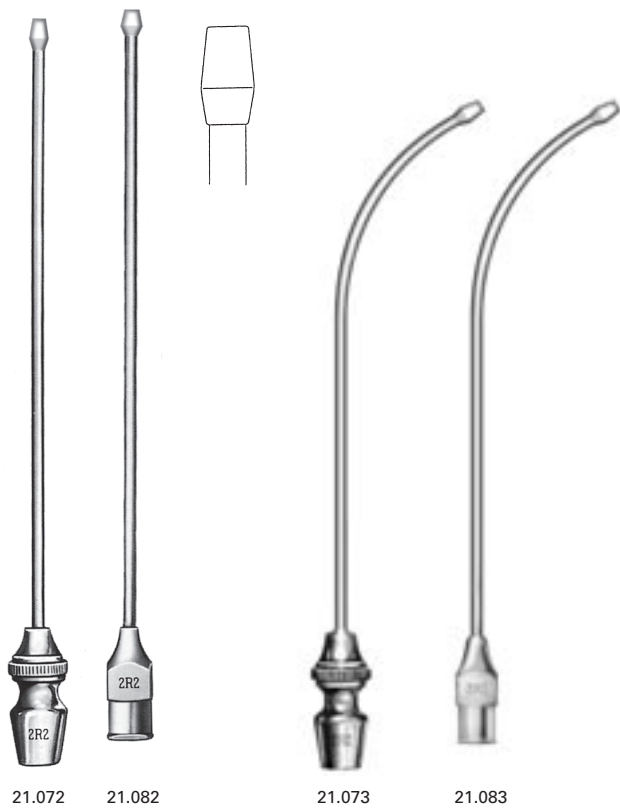
□ Übrige Standardgrößen / autres dimensions standard / other standard sizes

Im Durchmesserbereich von 0.30 bis 5.00 mm können wir praktisch alle Längen bis 1000 mm in Sonderanfertigung herstellen (mit oder ohne Ansatz).

Notre stock de tubes de diamètre 0.30 à 5.00 mm nous permet de fabriquer sur demande toute longueur d'aiguilles (avec ou sans embase) jusqu'à 1000 mm.

Within the diameter-range of 0.30 to 5.00 mm practically any length up to 1000 mm can be manufactured on special order (with or without hub).

Infusion



21.072 **Knopf Luer Olive**
 21.082 **Knopf Luer Lock**
 gerade / droite / straight

21.073 **Knopf Luer Olive**
 21.083 **Knopf Luer Lock**
 gebogen / coudée / curved

Ø mm	L→		Ø	L→			
0.60	60		23G	2 1/2"			
0.80	60	80	21G	2 1/2"	3 1/4"		
1.00	60	80	19G	2 1/2"	3 1/4"		
1.20	60	80	100	18G	2 1/2"	3 1/4"	4"
1.40	60	80	100	17G	2 1/2"	3 1/4"	4"
1.50	60	80	100				
1.60	60	80	100	16G	2 1/2"	3 1/4"	4"
1.80	60	80	100	15G	2 1/2"	3 1/4"	4"
2.00		80	100	14G		3 1/4"	4"
2.50		80	100	13G		3 1/4"	4"
3.00		80	100	11G		3 1/4"	4"

Diese Kanülen finden auch Verwendung als Saugkanülen, zur Reinigung von Wunden, zum Auftragen von Pasten, etc.

Ces canules sont aussi utilisées pour l'aspiration, pour nettoyer des plaies, pour appliquer des pâtes, etc.

These cannulae can also be used for aspiration, wound cleaning, application of paste, etc.

Punktion
Ponction
Puncture

Brustbein
Sternum
Sternum



22.204

22.206

Speziell dickwandiges Stahlrohr/Kurze Spitze
Tube acier à paroi épaisse/Biseau court
Strong thickwall tubing/Short bevel

22.204 Rohr/Salah Luer Lock

Ø mm	L→	Ø	L→
1.40	40	17G	1 1/2"
1.60	40	16G	1 1/2"
1.80	40	15G	1 1/2"
2.00	40	14G	1 1/2"

22.206 Klima-Rosegger Luer Lock*

Ø mm	L→	Ø	L→	L→	
1.20	25	35	18G	1"	1 1/2"
1.40	25	35	17G	1"	1 1/2"
1.50	25	35			
1.60	25	35	16G	1"	1 1/2"
1.80	25	35	15G	1"	1 1/2"
2.00	25	35	14G	1"	1 1/2"

* siehe auch Seiten 21/23
voir aussi pages 21/23
see also pages 21/23



22.210

22.210 Furrer Luer Lock

Ø mm	L→	Ø	L→	L→	
1.20	30	18G	1 1/4"		
1.40	30	17G	1 1/4"		
1.50	30				
1.60	30	16G	1 1/4"		
1.80	30	50	15G	1 1/4"	2"
2.00	50	70	14G	2"	2 3/4"

Punktion
Ponction
Puncture

Brustbein
Sternum
Sternum



22.302

Punktion
Ponction
Puncture

Kieferhöhle
Maxillaire
Maxilla

22.302 **Maxillaris Luer Lock (A + B)**
mit Schlauchverbinder (B)
avec raccord olive (B)
with olive tubing adapter (B)

∅ mm	L→	∅	L→
1.20	120	18G	4 ³ / ₄ "
1.30	120		
1.50	120	17G	4 ³ / ₄ "
1.80	120	15G	4 ³ / ₄ "
2.00	120	14G	4 ³ / ₄ "

Biopsie
Biopsie
Biopsy

Brustfell
Plèvre
Pleura

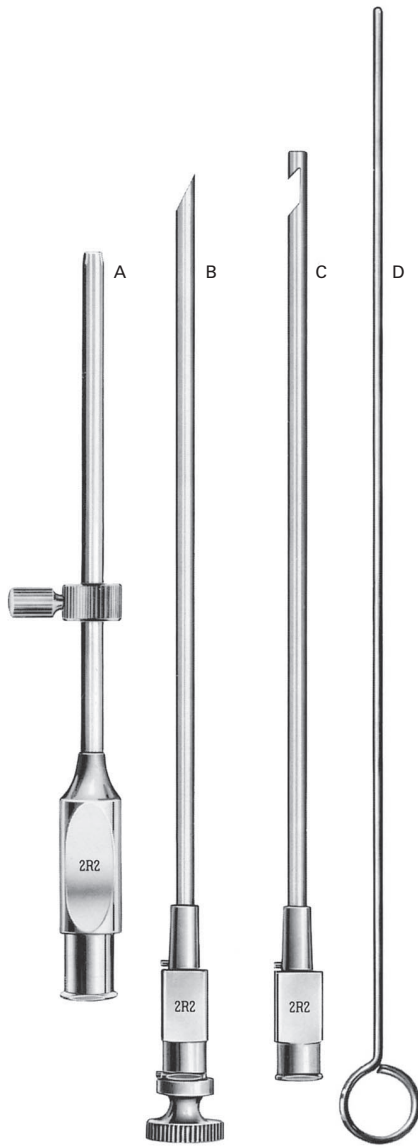
23.403 **Abrams Luer Lock (A + B + C)**

∅ mm	L→	∅	L→
4.00	90	8G	3 1/2"



Biopsie
Biopsie
Biopsy

Brustfell
Plèvre
Pleura



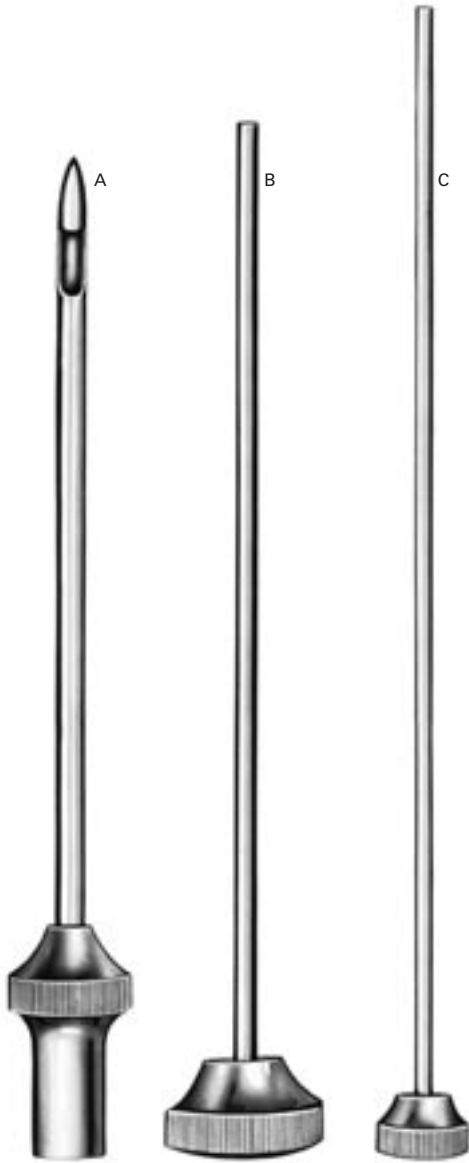
23.405

23.405 **Cope Luer Lock (A + B + C + D)**

∅ mm	L→	∅	L→
3.00	75	11G	3"

Biopsie
Biopsie
Biopsy

Muskel
Muscle
Muscle



23.601

23.601 **Bergström (A + B + C)**

Ø mm	L→	Ø	L→
3.00	100	11G	4"
4.00	100	8G	4"
4.50	100	7G	4"
5.00	100	6G	4"

Biopsie
Biopsie
Biopsy

Knochen
Os
Bone



23.753



23.755

Biopsie
Biopsie
Biopsy

Knochenmark
Moelle osseuse
Bone marrow

23.753 Rosenthal Luer Lock

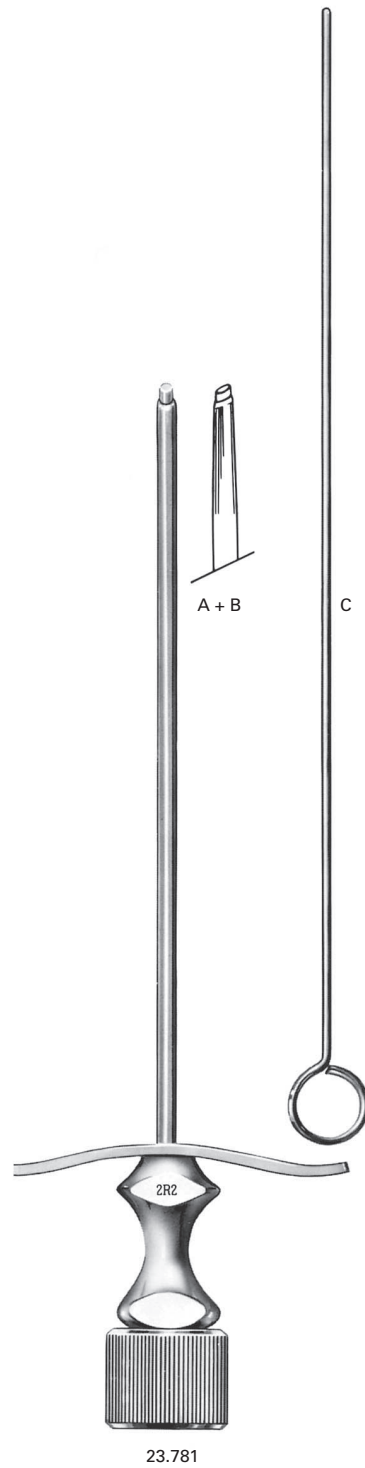
Ø mm	L→	Ø	L→
1.20	25	18G	1"
1.60	35	16G	1 ³ / ₈ "

23.755 Klima-Rosegger Mark Luer Lock

Ø mm	L→	Ø	L→
1.80	25 35	50 15G	1" 1 ¹ / ₂ " 2"
2.00	25 35	70 14G	1" 1 ¹ / ₂ " 2 ³ / ₄ "
2.50	25 35	70 13G	1" 1 ¹ / ₂ " 2 ³ / ₄ "
2.80	25 35	80 12G	1" 1 ¹ / ₂ " 3 ¹ / ₄ "
3.00	25 35	11G	1" 1 ¹ / ₂ "

Biopsie
Biopsie
Biopsy

Knochenmark
Moelle osseuse
Bone marrow



23.781 Westerman-Jensen modif. Luer Lock (A + B + C)

Ø mm	L→	Ø	L→
2.40	50	13G	2"
2.40	85	13G	3 ³ / ₈ "
3.00	100	11G	4"
3.00	150	11G	6"
4.00	100	8G	4"
4.00	150	8G	6"

55.032 Gewölbter Knopf für eine bequemere Führung der Kanüle 23.781

Bouton-poignée de forme anatomique pour faciliter le maniement de l'aiguille 23.781

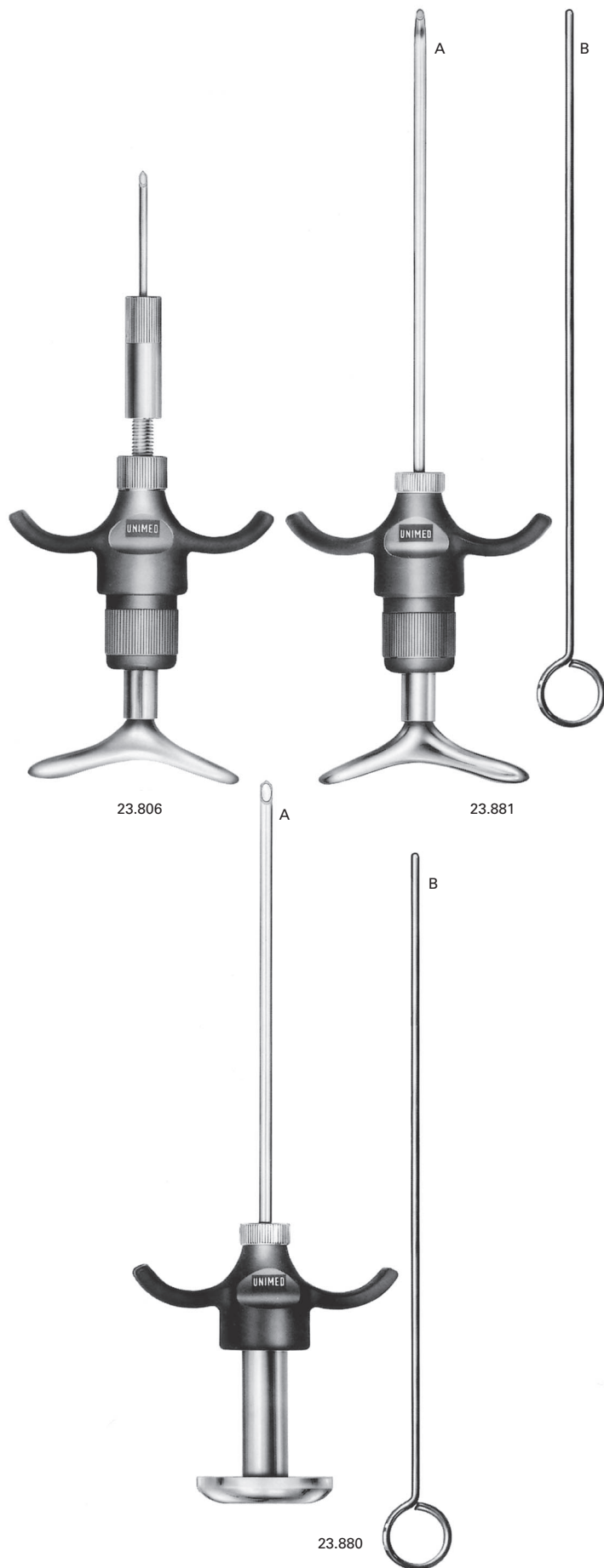
Domed handle for the needle 23.781, for a firm grip and operator comfort.

Siehe auch Seite 23 für Kanülen mit UNIGRIP-Handgriff

Voir aussi en page 23 les aiguilles avec manche UNIGRIP

See also page 23 for the needles with UNIGRIP handle

illustriert 2/3 der Originalgröße
 illustrées à 2/3 de la grandeur nature
 illustrated 2/3 of real size



Biopsie
 Biopsie
 Biopsy

Knochenmark
 Moelle osseuse
 Bone marrow



Das neue UNIGRIP-System

besteht aus einem ergonomisch geformten Griff und verschiedenen auswechselbaren Kanülen, welche bedeutend billiger sind als herkömmliche Kanülen. Der robust gebaute Griff kann viele Male verwendet werden und ist mit allen üblichen Methoden (bis 135° C) sterilisierbar. Er gewährleistet eine sichere und bequeme Führung der Kanülen und verhindert den schmerzhaften Druck auf die Handinnenfläche. Bitte verlangen Sie unseren Sonderprospekt!

Le nouveau système UNIGRIP

se compose d'une poignée de forme ergonomique et de diverses aiguilles interchangeables beaucoup plus avantageuses que les aiguilles traditionnelles. La poignée est réutilisable à volonté et elle supporte toutes les méthodes classiques de stérilisation (jusqu'à 135° C). Légère et robuste, elle est étudiée pour permettre au médecin d'opérer de façon précise et sûre dans un confort d'utilisation inégalé. Demandez notre prospectus spécial!

The new UNIGRIP system

consists of an ergonomically designed handle and a range of interchangeable needles which can be obtained at a considerably lower price than conventional ones. The sturdy and long-lasting handle can be sterilized by any usual method (up to 135° C) for re-use. It provides a firm grip and excellent directional control, avoiding painful pressure in the palm. Please ask for our special brochure!

23.806 Unigrip-Klima Luer Lock

mit verstellbarem Reiter, für Knochenmark-Aspiration
 avec curseur réglable, pour l'aspiration de la moelle
 with adjustable guard, for bone marrow aspiration

bestehend aus / composé de / consisting of:

40.020 Griff mit Reiter / poignée avec curseur / handle with guard

43.206 auswechselbare Kanüle / aiguille de rechange / replacement needle

Ø mm	L→	Ø	L→
1.20	25	18G	1"
1.40	25	17G	1"
1.50	25		
1.60	25	35	16G 1" 1 1/2"
1.80	25	35	15G 1" 1 1/2"
2.00	25	35	14G 1" 1 1/2"
2.50	25	35	13G 1" 1 1/2"
2.80		35	12G 1 1/2"

23.880 Unigrip-Westerman Aspiration Luer Lock (A + B)

besonders geeignet für Knochenmark-Transplantation
 conçue spécialement pour la transplantation de la moelle
 designed for bone marrow transplantation (harvesting)

nur als komplette Kanüle lieferbar

n'est pas livrable en pièces détachées

can only be obtained as a complete needle

Ø mm	L→	Ø	L→
2.40	70 80	13G	2 3/4" 3 1/4"
3.00	100	11G	4"
3.50	100	10G	4"

23.881 Unigrip-Westerman Biopsy Luer Lock (A + B)

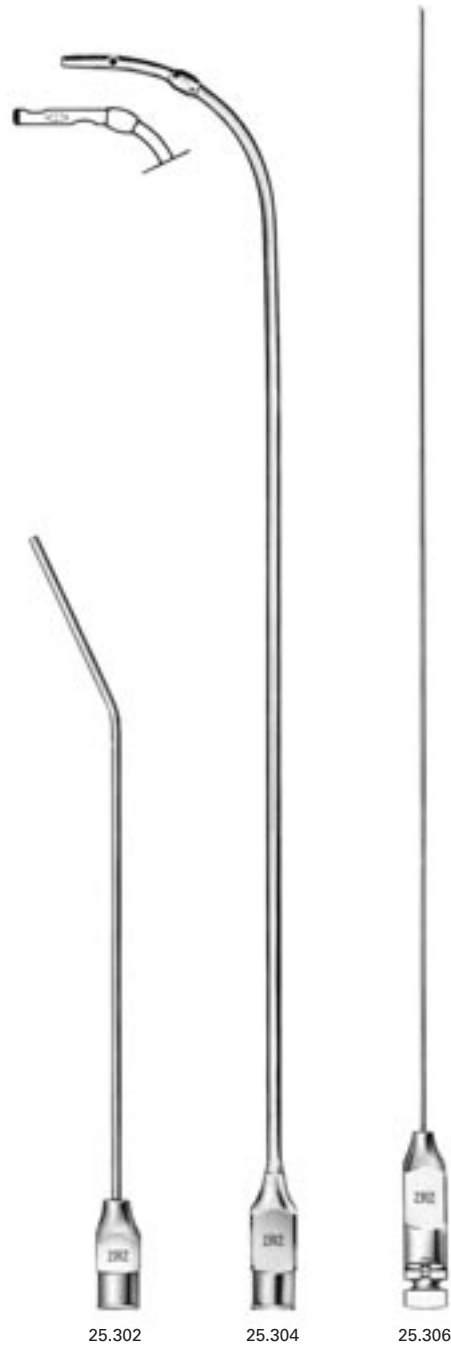
mit konischer Spitze, für Knochenmark-Biopsie
 avec pointe conique, pour la biopsie de la moelle osseuse
 with tapered distal portion, for bone marrow biopsy

bestehend aus / composé de / consisting of:

40.010 Griff / poignée / handle

43.781 auswechselbare Kanüle / aiguille de rechange / replacement needle

Ø mm	L→	Ø	L→
2.40	50 85	13G	2" 3 3/8"
3.00	100 150	11G	4" 6"
4.00	100 150	8G	4" 6"



25.302

25.304

25.306

Röntgen
Radiographie
Roentgenography

Cholangiographie
Cholangiographie
Cholangiography

25.302 **Hulten Luer Lock**

Ø mm	L→	Ø	L→
1.40	90	17G	3 1/2"
1.60	100	16G	4"

25.304 **Cholangio Luer Lock**
mit 3 seitlichen Öffnungen
avec 3 ouvertures latérales
with 3 side openings

Ø mm	L→	Ø	L→
1.80	160	15G	6 1/2"

25.306 **Chiba Transhepatic Luer Lock**
dünnwandig, kurze Spitze
paroi mince, biseau court
thin wall, short bevel

Ø mm	L→	Ø	L→
0.70	150 200	22G	6" 8"



27.107

27.108

27.107 Anel Luer Lock

∅ mm	L→	∅	L→
0.60	15	23G	5/8"

27.108 Anel Curved Luer Lock

∅ mm	L→	∅	L→
0.60	17	23G	3/4"



27.112

27.114

27.119

27.123

27.112 Ophthal Reforce Luer Lock

∅ mm	L→	∅	L→
0.60	20 + 15	23G	3/4" + 5/8"

27.114 Ophthal Curved Luer Lock

∅ mm	L→	∅	L→
0.60	20 + 17	23G	3/4" + 2/3"

27.119 Lachrymal Luer Lock

∅ mm	L→	∅	L→
0.60	30	23G	1 1/4"

27.123 Lachrymal Curved Luer Lock

∅ mm	L→	∅	L→
0.60	33	23G	1 3/8"

27.134 Lachrymal Olive Luer Lock

∅ mm	L→	∅	L→
0.60	30	23G	1 1/4"

**27.136 Lachrymal Olive Silver Luer Lock
Silber/argent**

∅ mm	L→	∅	L→
0.60	25	23G	1"

27.140 Lachrymal Olive Curved Luer Lock

∅ mm	L→	∅	L→
0.60	33	23G	1 3/8"

**27.142 Lachrymal Olive Curved Silver Luer Lock
Silber/argent**

∅ mm	L→	∅	L→
0.60	28	23G	1 1/8"



27.134

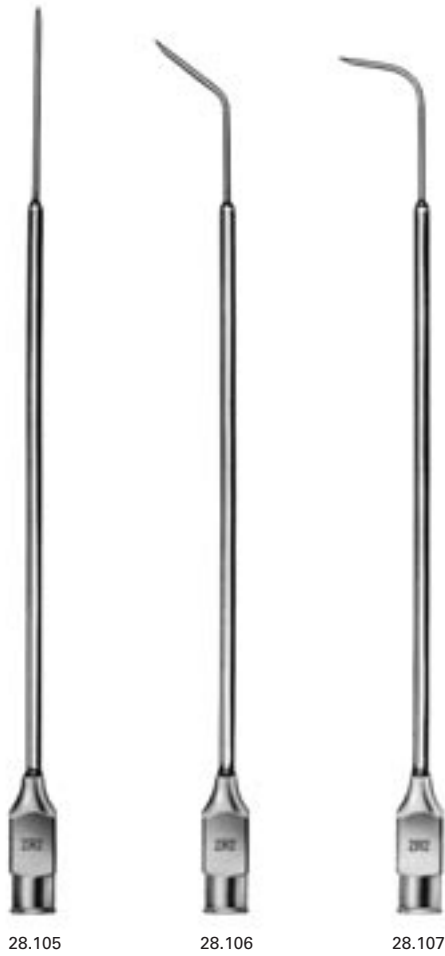
27.136

27.140

27.142

**Hals Nase Ohren (H.N.O.)
Otorhinolaryngologie (O.R.L.)
Ear Nose Throat (E.N.T.)**

**Tonsillen
Amygdales
Tonsils**



28.105

28.106

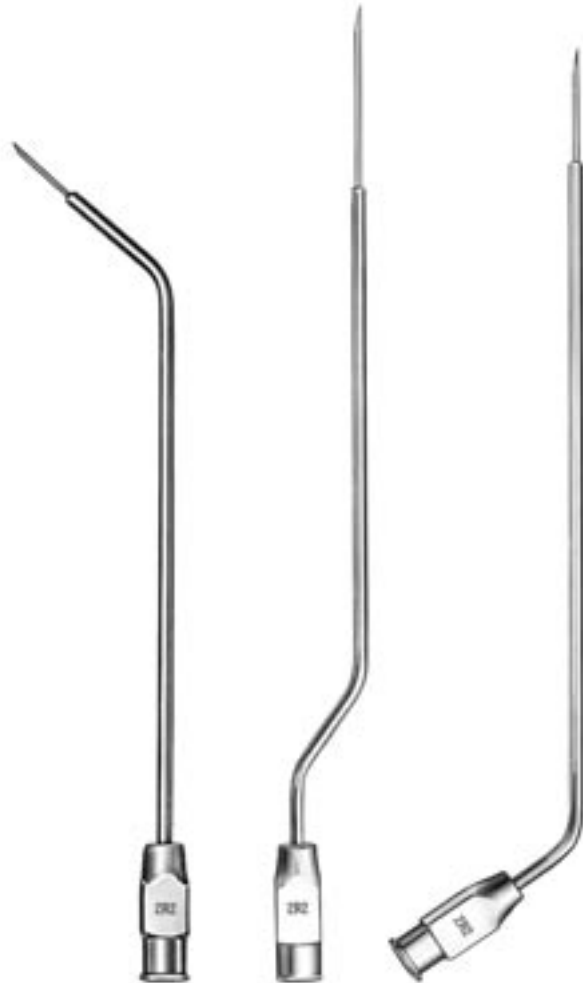
28.107

- 28.105 **Amygdala Luer Lock**
- 28.106 **Amygdala Luer Lock**
- 28.107 **Amygdala Luer Lock**

Ø mm	L→	Ø	L→
0.80	75 + 25	21G	3" + 1"
0.90	75 + 25	20G	3" + 1"

- 28.110 **Amygdala Luer Lock**

Ø mm	L→	Ø	L→
0.80	90 + 10	21G	3 1/2" + 3/8"
0.90	90 + 10	20G	3 1/2" + 3/8"



28.110

28.122

28.124

**H.N.O. Nasenscheidewand
O.R.L. Septum
E.N.T. Septum**

- 28.122 **Septum Luer Lock**

Ø mm	L→	Ø	L→
0.80	85 + 25	21G	3 3/8" + 1"
0.90	85 + 25	20G	3 3/8" + 1"

- 28.124 **Septum Luer Lock**

Ø mm	L→	Ø	L→
0.80	95 + 15	21G	3 3/4" + 5/8"
0.90	95 + 15	20G	3 3/4" + 5/8"

H.N.O. Kehlkopf
O.R.L. Larynx
E.N.T. Larynx

28.152 Larynx – Tuba Luer Lock

∅ mm	L→	∅	L→
2.00	130	14G	5 1/4"

28.158 Laryngeal Spray Luer Lock
mit 10 Öffnungen
avec 10 ouvertures
with 10 fine holes

∅ mm	L→	∅	L→
1.60	190	16G	7 1/2"



28.152

28.158

Verschiedenes Divers Miscellaneous

Stumpfe Kanülen
Canules mousses
Blunt cannulae



29.002



29.100



29.102



29.103

29.002 Conical Luer Lock (konisch / conique / conical)

∅ mm	L→	∅	L→
1.50/1.00	40	17G/19G	1 1/2"
1.00/0.65	30	19G/23G	1 1/4"
1.00/0.50	25	19G/25G	1"

29.100 Wullstein Luer Lock

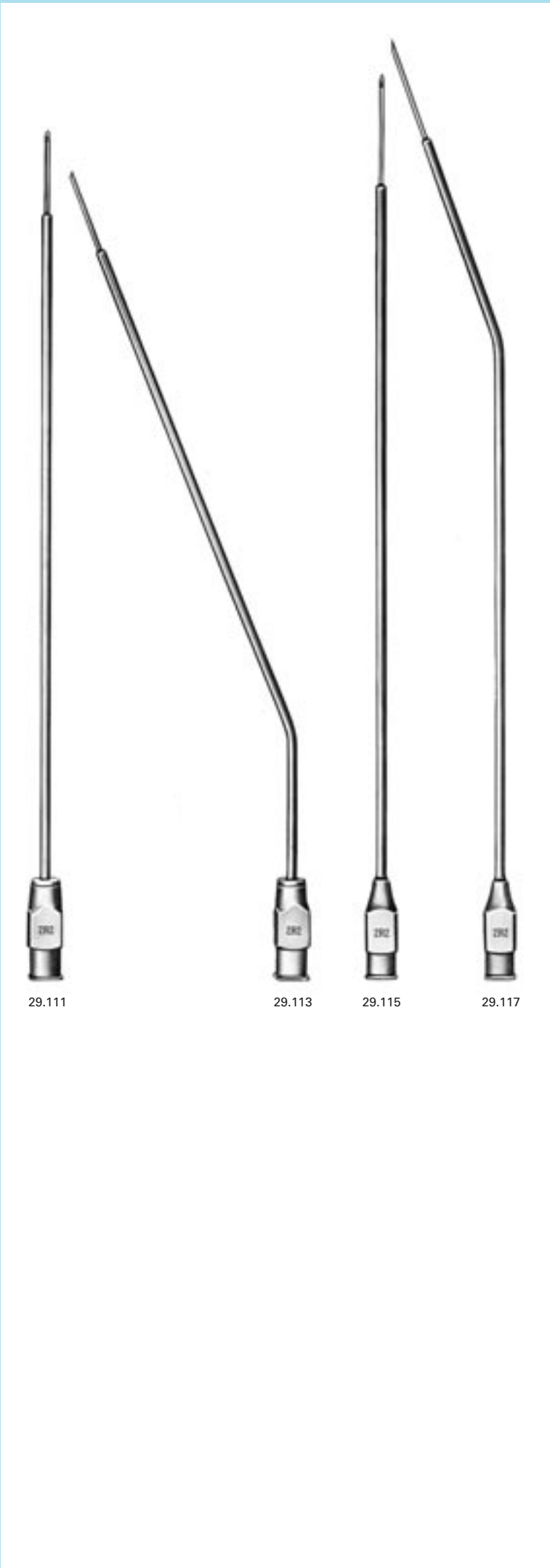
∅ mm	L→		∅	L→
0.50	75		25G	3"
0.70	75		22G	3"
0.80	75	110	21G	3" 4 1/2"
0.90	75		20G	3"
1.00	75	110	19G	3" 4 1/2"
1.20	75	110	18G	3" 4 1/2"
1.40	75	110	17G	3" 4 1/2"
1.50	75	110		
1.60	75	110	16G	3" 4 1/2"
1.80	75	110	15G	3" 4 1/2"
2.00	75	110	14G	3" 4 1/2"
2.50	75	110	13G	3" 4 1/2"

29.102 Labor Luer Lock

∅ mm	L→		∅	L→
0.70	60	100	22G	2 1/2" 4"
0.90	60	100	20G	2 1/2" 4"
1.00	60	100	19G	2 1/2" 4"
1.20	60	100	18G	2 1/2" 4"
1.40	60	100	17G	2 1/2" 4"
1.60	60	100	16G	2 1/2" 4"
1.80	100		15G	4"
2.10	100		14G	4"
3.00	100		11G	4"

29.103 Uppsala Aspiration Olive ∅ 8 mm

∅ mm	L→		∅	L→
1.00	85		19G	3 3/8"
1.50	85		17G	3 3/8"
2.00	85		14G	3 3/8"
2.50	85		13G	3 3/8"
3.00	85		11G	3 3/8"



29.111

29.113

29.115

29.117

**Verschiedenes
Divers
Miscellaneous**

**Hämorrhoiden-Kanülen
Aiguilles pour hémorroïdes
Hemorrhoidal needles**

29.111 **Franckfeldt Luer Lock**
gerade / droite / straight

29.113 **Franckfeldt Luer Lock**
gebogen / coudée / curved

∅ mm	L→	∅	L→
0.90	120 + 15	20G	4 ³ / ₄ " + ⁵ / ₈ "

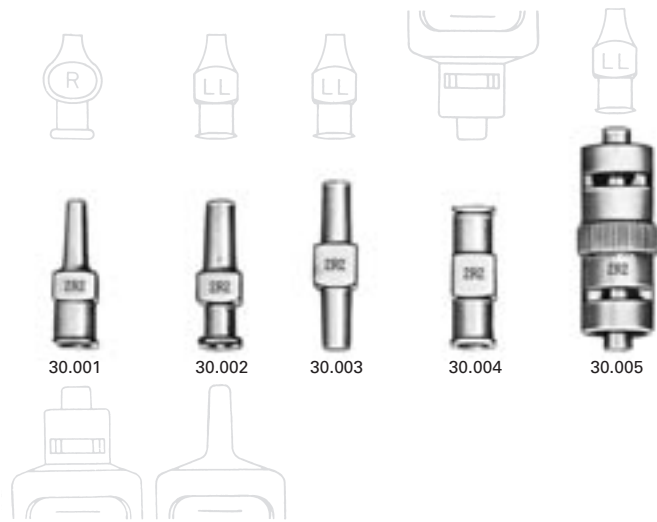
29.115 **Gabriel Luer Lock**
gerade / droite / straight

29.117 **Gabriel Luer Lock**
gebogen / coudée / curved

∅ mm	L→	∅	L→
0.70	90 + 20	22G	3 ¹ / ₂ " + ³ / ₄ "
0.90	125 + 20	20G	5" + ³ / ₄ "

Verbindungsstücke und Hahnen Raccords et Robinets Adapters and Stopcocks

Zwischenstücke Raccords Adapters



30.001

30.002

30.003

30.004

30.005



30.006

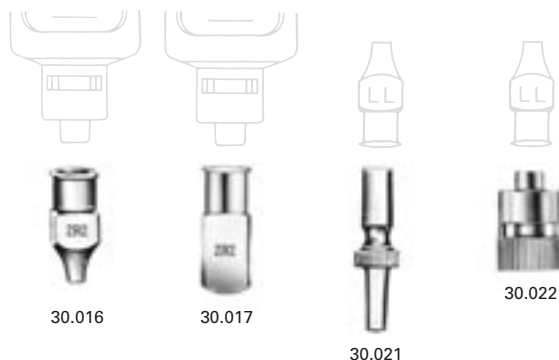
30.007

30.008



30.009

30.011



30.016

30.017

30.021

30.022



30.028



30.029

- 30.001 Luer Lock Spritze – Rekordkanüle
Seringue Luer Lock – Aiguille Record
Luer Lock syringe – Record needle
- 30.002 Rekordspritze – Luer Lock Kanüle
Seringue Record – Aiguille Luer Lock
Record syringe – Luer Lock needle
- 30.003 Luer männlich/male – Luer männlich/male
30.004 Luer Lock weibl./fem. – Luer Lock weibl./fem.
30.005 Luer Lock männl./male – Luer Lock männl./male
30.006 2 × LL weibl./fem. – 1 × Luer männl./male
30.007 2 × LL weibl./fem. – 1 × LL männl./male
30.008 Luer Lock weibl./fem. – Luer männl./male
- 30.009 Luer Lock weibl./fem. – Luer männl./male «Linden»
30.011 LL weibl./fem. – LL männl./male rotatif/rotating

Spritzenkonus-Verschlüsse Capuchons pour seringues Caps for syringes

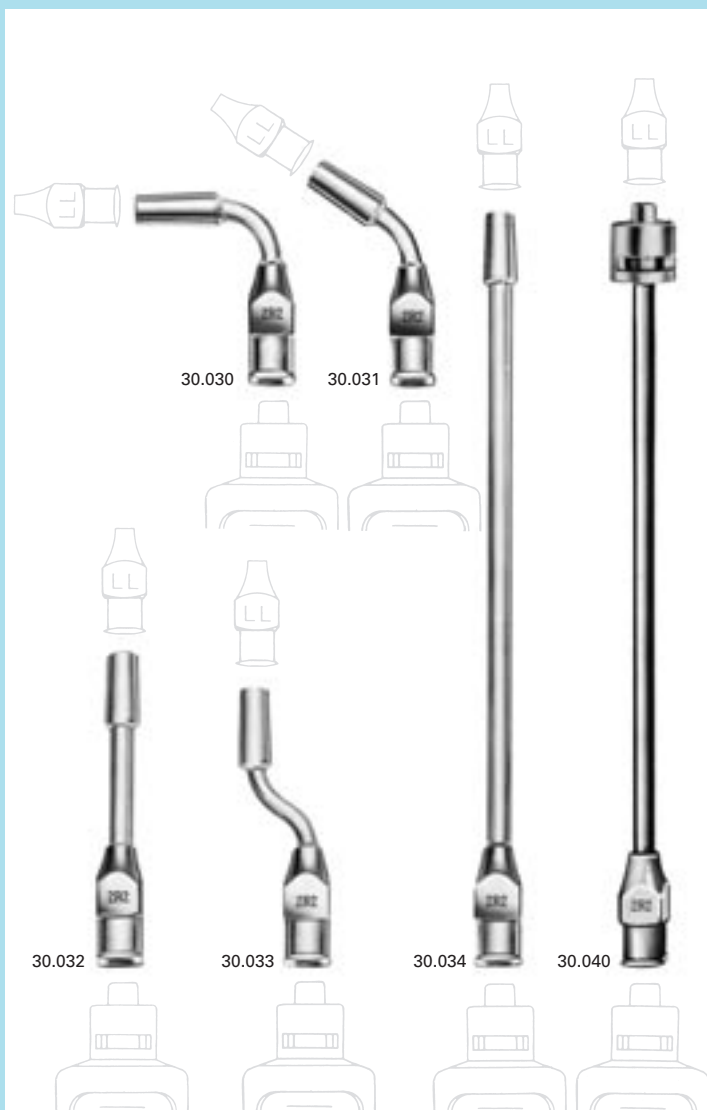
- 30.016 Luer/Luer Lock
30.017 Luer/Luer Lock

Kanülenzapfen Bouchons pour aiguilles Needle plugs

- 30.021 Record + Luer
30.022 Luer Lock

Reiter für Kanülen Courseurs pour aiguilles Needle stops

- 30.028 für / pour / for \varnothing 0.50-0.90 mm (25G-20G)
30.029 für / pour / for \varnothing 1.00-1.40 mm (19G-17G)



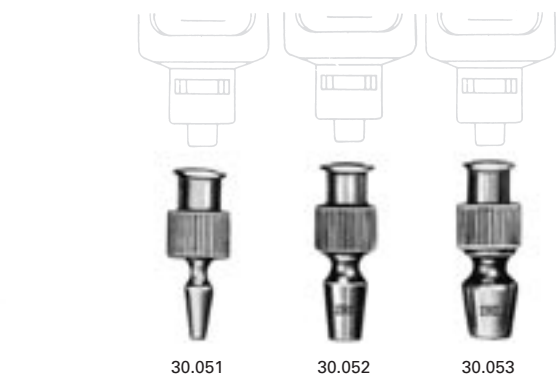
Kanülen-Verlängerungen
Rallonges pour aiguilles
Needle extensions

Luer Lock – Luer

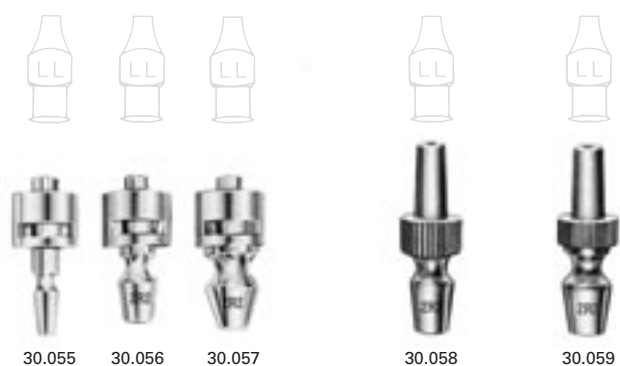
- 30.030 90° gebogen / courbe / curved
- 30.031 45° gebogen / courbe / curved
- 30.032 Totallänge 40 mm
 Longueur hors tout 40 mm
 Total length 40 mm
- 30.033 «S» gebogen / courbe / curved
- 30.034 Totallänge 100 mm
 Longueur hors tout 100 mm
 Total length 100 mm

Luer Lock – Luer Lock

- 30.040 Totallänge 100 mm
 Longueur hors tout 100 mm
 Total length 100 mm



Oliven-Schlauchverbinder
Raccords-tuyaux olivaires
Olivary tubing connections



- 30.051 Ø 4 mm + Luer Lock weiblich / femelle / female
- 30.052 Ø 6 mm + Luer Lock weiblich / femelle / female
- 30.053 Ø 8 mm + Luer Lock weiblich / femelle / female
- 30.055 Ø 4 mm + Luer Lock männlich / mâle / male
- 30.056 Ø 6 mm + Luer Lock männlich / mâle / male
- 30.057 Ø 8 mm + Luer Lock männlich / mâle / male
- 30.058 Ø 6 mm + Luer männlich / mâle / male
- 30.059 Ø 8 mm + Luer männlich / mâle / male



30.065
30.066



30.067



30.068



30.069



30.074



30.075



30.083



30.084



30.085



30.101



30.102



30.103



30.105



30.106



30.107



30.109



30.110



30.111



30.113



30.114



30.115

Verteilerstücke Pièces à connexions Connections

- 30.065 T-Form: für Schlauch / pour tube / for tubing
Ø I.D. $\frac{3}{16}$ " = 4.5 mm
- 30.066 T-Form: für Schlauch / pour tube / for tubing
Ø I.D. $\frac{1}{4}$ " = 6.0 mm
- 30.067 Y-Form: 3 × Luer Lock männlich / mâle / male
- 30.068 Y-Form: 2 × Luer Lock männlich / mâle / male +
1 × Luer Lock weiblich / femelle / female
- 30.069 Y-Form: 2 × Luer Lock weiblich / femelle / female +
1 × Luer Lock männlich / mâle / male

Konische Schlauch- und Katheteransätze Raccords coniques pour tuyaux et cathéters Conical hose ends for tubing and catheters

- für Schläuche mit Innendurchmesser von:
pour tuyaux avec diamètre intérieur de:
for tubing with inside diameter of:
- 30.074 Luer Lock weiblich / femelle / female } **2-6 mm**
30.075 Luer Lock männlich / mâle / male }
- 30.083 Luer Olive / olive / olivary mount } **5-9 mm**
30.084 Luer Lock weiblich / femelle / female }
30.085 Luer Lock männlich / mâle / male }

Schlauchverbinder Connecteurs-tuyaux Tubing connectors

- für Schläuche mit Innendurchmesser von:
pour tuyaux avec diamètre intérieur de:
for tubing with inside diameter of:
- 30.101 Luer männlich / mâle / male } **1.5 mm** ($\frac{1}{16}$ ")
30.102 Luer Lock weiblich / femelle / female }
30.103 Luer Lock männlich / mâle / male }
- 30.105 Luer männlich / mâle / male } **3.0 mm** ($\frac{1}{8}$ ")
30.106 Luer Lock weiblich / femelle / female }
30.107 Luer Lock männlich / mâle / male }
- 30.109 Luer männlich / mâle / male } **4.5 mm** ($\frac{3}{16}$ ")
30.110 Luer Lock weiblich / femelle / female }
30.111 Luer Lock männlich / mâle / male }
- 30.113 Luer männlich / mâle / male } **6.0 mm** ($\frac{1}{4}$ ")
30.114 Luer Lock weiblich / femelle / female }
30.115 Luer Lock männlich / mâle / male }

30.141
30.142
30.143
30.144



30.151
30.152
30.153
30.154



30.170
30.171
30.172
30.173



30.180
30.181
30.182
30.183



30.191



30.192



30.201



1/2

30.205



1/2

30.206



1/2

30.241
30.242
30.243
30.244



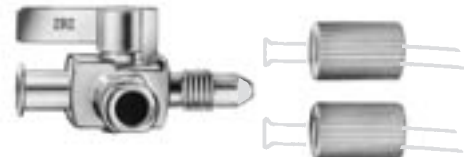
30.251
30.252
30.253
30.254



30.270
30.271
30.272
30.273



30.291



Luer Lock Verbinder für Katheter Raccords Luer Lock pour cathéters Luer Lock adapters for catheters

	für Größen / pour dimensions / for sizes			
	max. Ø außen / ext.	Pe	French / Charr.	Oedman-Ledin
30.141	1.10 mm	10- 50	2F- 3F	
30.142	1.70 mm	60-100	4F- 5F	
30.143	2.40 mm	160-205	6F- 7F	
30.144	3.60 mm	240-320	8F-10F	
30.151	1.10 mm	10- 50	2F- 3F	
30.152	1.70 mm	60-100	4F- 5F	
30.153	2.40 mm	160-205	6F- 7F	
30.154	3.60 mm	240-320	8F-10F	
30.170	1.90 mm			No. 0
30.171	2.40 mm			No. 1
30.172	2.60 mm			No. 2
30.173	3.10 mm			No. 3-4
30.180	1.90 mm			No. 0
30.181	2.40 mm			No. 1
30.182	2.60 mm			No. 2
30.183	3.10 mm			No. 3-4
30.191	Tuohy-Borst	(1F-11F)		
30.192	Tuohy-Borst	(1F- 8F)		

Instrumente für Katheter-Fertigung Instruments pour la préparation des cathéters Catheter preparation tools

illustriert 1/2 der Originalgröße
illustrés à 1/2 de la grandeur nature
illustrated 1/2 of real size

30.201	Flanging tool
30.205	Hole Punch für / pour / for Ø 0.95 mm
30.206	Hole Punch für / pour / for Ø 1.20 mm

Luer Lock Hahnen für Katheter Robinets Luer Lock pour cathéters Luer Lock stopcocks for catheters

	für Größen / pour dimensions / for sizes			
	max. Ø außen / ext.	Pe	French / Charr.	Oedman-Ledin
30.241	1.10 mm	10- 50	2F- 3F	
30.242	1.70 mm	60-100	4F- 5F	
30.243	2.40 mm	160-205	6F- 7F	
30.244	3.60 mm	240-320	8F-10F	
30.251	1.10 mm	10- 50	2F- 3F	
30.252	1.70 mm	60-100	4F- 5F	
30.253	2.40 mm	160-205	6F- 7F	
30.254	3.60 mm	240-320	8F-10F	
30.270	1.90 mm			No. 0
30.271	2.40 mm			No. 1
30.272	2.60 mm			No. 2
30.273	3.10 mm			No. 3-4
30.291	2.40 mm	160-205	6F- 7F	No. 1
	3.60 mm	240-320	8F-10F	No. 3-4

30.331
30.332
30.333
30.334



**Hahnen
Robinets
Stopcocks**

**Luer Lock
Luer Lock
Luer Lock**

1-Weg / 1 voie / 1-way

2 × Adapter / raccord

30.331 für / pour / for l. Ø / diam. int. 1.5 mm ($\frac{1}{16}$ "

30.332 für / pour / for l. Ø / diam. int. 3.0 mm ($\frac{1}{8}$ "

30.333 für / pour / for l. Ø / diam. int. 4.5 mm ($\frac{3}{16}$ "

30.334 für / pour / for l. Ø / diam. int. 6.0 mm ($\frac{1}{4}$ "

30.335



30.335 Luer Lock weibl. / fem. –
Luer männlich / mâle / male

30.337



30.337 Luer Lock weibl. / fem. –
Luer Lock weibl. / fem.

30.343



30.343 Luer Lock männlich / mâle / male –
Luer Lock männlich / mâle / male

30.345 Luer Lock weibl. / fem. –
Luer Lock männlich / mâle / male

30.346 Luer Lock weibl. / fem. –
Luer Lock männlich / mâle / male

große Bohrung / gros perçage / large bore

Luer Lock weibl. / fem. – Adapter / raccord

30.347 für / pour / for l. Ø / diam. int. 1.5 mm ($\frac{1}{16}$ "

30.348 für / pour / for l. Ø / diam. int. 3.0 mm ($\frac{1}{8}$ "

30.349 für / pour / for l. Ø / diam. int. 4.5 mm ($\frac{3}{16}$ "

30.350 für / pour / for l. Ø / diam. int. 6.0 mm ($\frac{1}{4}$ "

30.345
30.346



30.347
30.348
30.349
30.350



30.351



2-Weg / 2 voies / 2-way

30.351 Luer Lock weibl. / fem. –
2 × Luer Lock männlich / mâle / male

30.353



30.353 2 × Luer Lock weibl. / fem. –
Luer Lock männlich / mâle / male

30.355
30.356
30.357
30.358



30.365



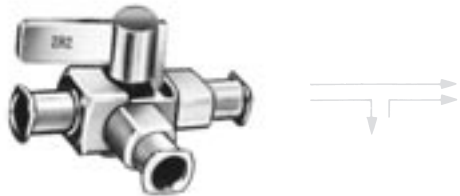
30.366



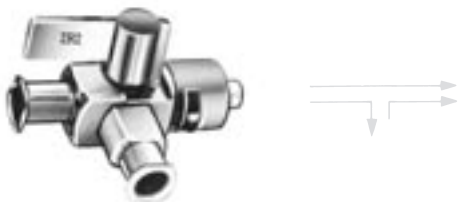
30.367



30.369



30.376



30.377



**Hahnen
Robinets
Stopcocks**

**Luer Lock
Luer Lock
Luer Lock**

3-Weg / 3 voies / 3-way

3 × Adapter / raccord

30.355 für / pour / for l. Ø / diam. int. 1.5 mm (1/16")

30.356 für / pour / for l. Ø / diam. int. 3.0 mm (1/8")

30.357 für / pour / for l. Ø / diam. int. 4.5 mm (3/16")

30.358 für / pour / for l. Ø / diam. int. 6.0 mm (1/4")

30.365 2 × Luer Lock weibl. / fem. –
Luer männlich / mâle / male

30.366 2 × Luer Lock weibl. / fem. –
Luer Lock männlich / mâle / male

30.367 2 × Luer Lock weibl. / fem. –
Luer männlich / mâle / male

30.369 3 × Luer Lock weiblich / femelle / female

30.376 2 × Luer Lock weibl. / fem. –
Luer Lock männlich / mâle / male

30.377 2 × Luer Lock männlich / mâle / male
Luer Lock weiblich / fem.

**Hahnen
Robinets
Stopcocks**

**Luer Lock
Luer Lock
Luer Lock**

30.378



3-Weg / 3 voies / 3-way

30.378 Luer Lock weibl. / fem. –
2 × Luer Lock männlich / mâle / male

LL weibl. / fem. – LL männl. / male – Adapter / raccord

30.379 für / pour / for l. Ø / diam. int. 1.5 mm ($1/16''$)

30.380 für / pour / for l. Ø / diam. int. 3.0 mm ($1/8''$)

30.381 für / pour / for l. Ø / diam. int. 4.5 mm ($3/16''$)

30.382 für / pour / for l. Ø / diam. int. 6.0 mm ($1/4''$)

30.379
30.380
30.381
30.382



30.388 2 × Luer Lock weibl. / fem. –
Luer Lock männlich / male drehbar / rotatif / rotating

30.388



30.391



4-Weg / 4 voies / 4-way

30.391 3 × Luer Lock weibl. / fem.
zu / à / to Luer Lock männl. / male

30.392 Luer Lock weibl. / fem.
zu / à / to Luer Lock männl. / male
+ 2 × Luer Lock weibl. / fem.

30.392



30.406



**«Y»-Adapter mit Hahn
Raccord «Y» avec robinet
"Y" Fitting with stopcock**

30.406 mit / avec / with Luer Lock männl. / mâle / male

Manifolds

illustriert $\frac{1}{2}$ der Originalgröße
 illustrés à $\frac{1}{2}$ de la grandeur nature
 illustrated $\frac{1}{2}$ of real size



30.502



30.503



30.504



30.505



30.512



30.513



30.514

30.502 2 Hahnen / robinets / stopcocks
 3 × Luer Lock weibl. / fem. + Luer Lock männl. / male

30.503 3 Hahnen / robinets / stopcocks
 4 × Luer Lock weibl. / fem. + Luer Lock männl. / male

30.504 4 Hahnen / robinets / stopcocks
 5 × Luer Lock weibl. / fem. + Luer Lock männl. / male

30.505 5 Hahnen / robinets / stopcocks
 6 × Luer Lock weibl. / fem. + Luer Lock männl. / male

30.512 2 Hahnen / robinets / stopcocks
 3 × Luer Lock weibl. / fem.
 + Luer Lock männl. / male drehbar / rotatif / rotating

30.513 3 Hahnen / robinets / stopcocks
 4 × Luer Lock weibl. / fem.
 + Luer Lock männl. / male drehbar / rotatif / rotating

30.514 4 Hahnen / robinets / stopcocks
 5 × Luer Lock weibl. / fem.
 + Luer Lock männl. / male drehbar / rotatif / rotating

A

Abrams	8
Anel	15

B

Bergström	10
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C

Chiba	14
Cope	9

F

Franckfeldt	19
Furrer	6

G

Gabriel	19
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H

Hulten	14
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J

Jamshidi = Westerman-Jensen modif.	12-13
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K

Klima-Rosegger	6/11
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P

Pravaz	4
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R

Rohr	6
Rosenthal	11

S

Salah	6
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T

Tuohy-Borst	23
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W

Westerman-Jensen	12-13
Wullstein	18