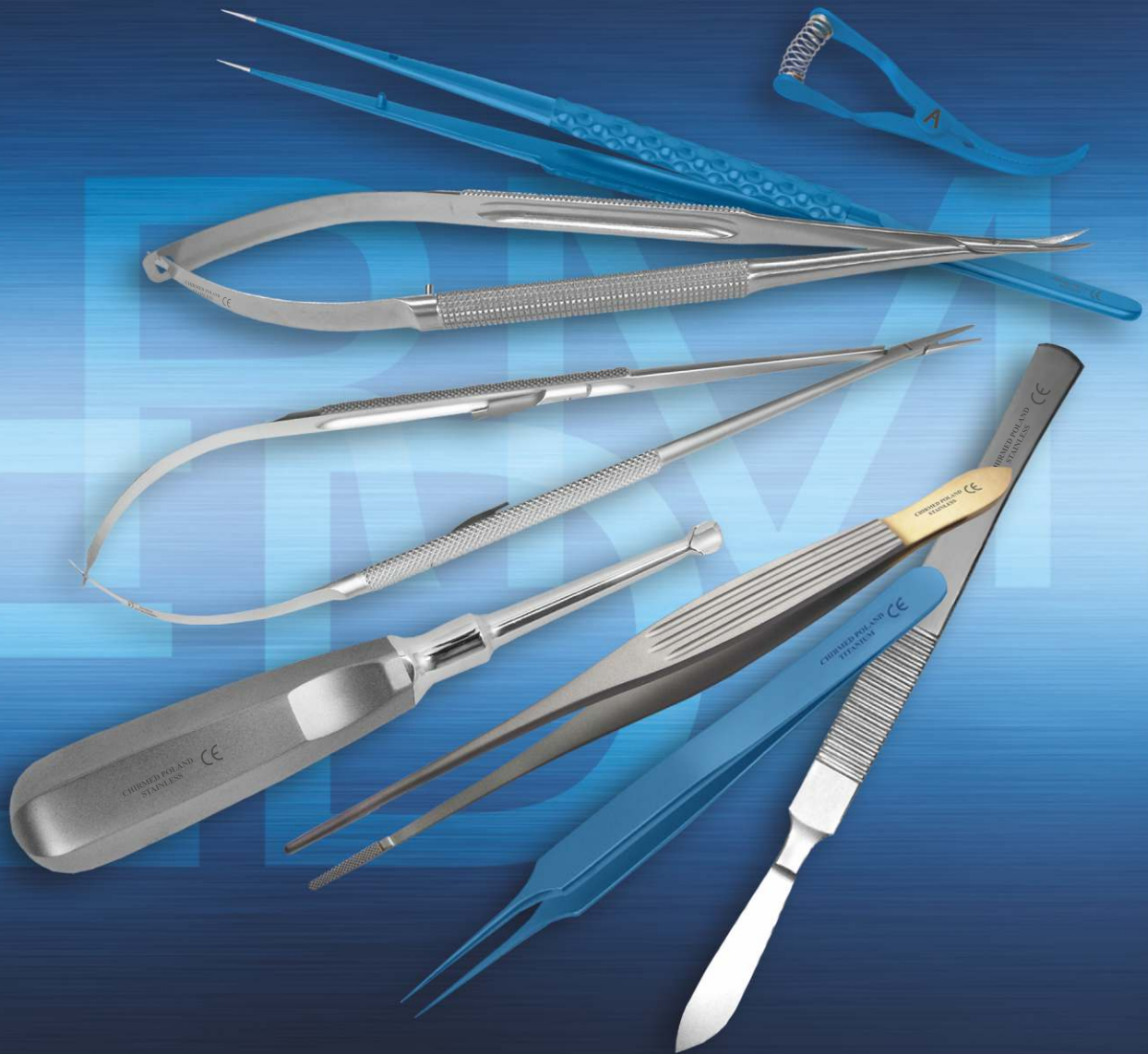


CHIRMED®

POLSKI PRODUCENT NARZĘDZI MEDYCZNYCH
POLISH MANUFACTURER OF SURGICAL
AND MEDICAL INSTRUMENTS

CHIRMED 2020



from IDEA to SOLUTION

KATALOG OGÓLNY ● GENERAL CATALOGUE
HAUPTKATALOG ● ОБЩИЙ КАТАЛОГ

PROFIL FIRMY

Fabryka Narzędzi Medycznych CHIRMED z siedzibą w Rudnikach jest polskim producentem wysokiej jakości narzędzi chirurgicznych, stomatologicznych oraz komponentów niemedycznych ze stali nierdzewnej i tytanu. Firma powstała w 1946 roku, obecnie zatrudnia około 100 osób.

Misja firmy to „From idea to solution”, co oznacza, że firma produkuje narzędzia od początku w swojej fabryce, bez udziału poddostawców, korzystając z najlepszych dostępnych surowców oraz wiedzy i doświadczenia pracowników. Firma łączy nowoczesne technologie z tradycją w celu stworzenia najwyższej jakości narzędzi. Na uwagę zasługuje również aktywny udział firmy w pracach badawczo-rozwojowych.

Główny zakres działalności firmy obejmuje produkcję, serwis i wdrażanie narzędzi medycznych.

Firma zajmuje się również produkcją metalowych wyrobów niemedycznych dla branży motoryzacyjnej, budowlanej, pszczelarstwa, medycyny niekonwencjonalnej. Oferujemy również usługi z zakresu obróbki metali.

Rynki eksportowe obejmują głównie: Japonię, USA, Meksyk, Koreę, Niemcy, Włochy, Szwajcarię, Hiszpanię, Wielką Brytanię, Ukrainę, Iran, Tajlandię Izrael oraz wiele innych.



JAKOŚĆ

Na wysoką jakość produktów składają się:

- najwyższej jakości surowce od zaufanych wieloletnich dostawców i producentów, między innymi niemiecka stal nierdzewna
- 100% kontrola jakości końcowa i międzyoperacyjna
- wykwalifikowany personel
- współpraca ze specjalistami w zakresie opracowywania nowych narzędzi oraz ich oceny klinicznej
- certyfikowany System Zarządzania Jakością wg norm ISO 13485 oraz ISO 9001
- dbałość o zgodność z normami jakościowymi obowiązującymi w krajach eksportowych (między innymi, Certyfikat FMA w Japonii, rejestracja FDA w USA i wiele innych)
- przestrzeganie szczególnych wymagań klienta

REGENERACJA

Firma oferuje również usługi regeneracji narzędzi chirurgicznych, włączając regenerację narzędzi innych firm. Regeneracja narzędzi jest objęta certyfikatem ISO 9001 oraz ISO 13485.

NARZĘDZIA TYTANOWE

Firma CHIRMED produkuje narzędzia tytanowe od 1970 roku.

ZALETY NARZĘDZI Z TYTANU:

- doskonała odporność na korozję, wytrzymałość oraz prawie nieograniczona żywotność czyni tytan materiałem opłacalnym - tytan jest najbardziej biokompatybilny ze wszystkich metali poprzez doskonałą odporność na działanie płynów ustrojowych - narzędzia z tytanu posiadają doskonałą odporność na korozję szczelinową, czym przewyższają narzędzia wykonane ze stali nierdzewnej
- niski ciężar właściwy, wytrzymałość, delikatny metaliczny wygląd
- narzędzia z tytanu wytrzymują wielokrotną sterylizację bez wpływu na jakość krawędzi i powierzchni, odporność na korozję oraz wytrzymałość
- tytan może być anodyzowany dla wytworzenia różnych barw i nierefleksyjnej powierzchni, co ma znaczenie w operacjach mikrochirurgicznych np. operacjach oka
- tytan jest niemagnetyczny, co czyni go idealnym do zastosowań, gdzie konieczne jest zminimalizowanie oddziaływań elektromagnetycznych



UNTERNEHMENSPROFIL

Der Betrieb von Medizinischen Instrumenten CHIRMED mit dem Sitz in Rudniki, ist ein polnischer Hersteller sowohl von chirurgischen und zahnärztlichen Qualitätsinstrumenten, als auch von nichtmedizinischen Produkten aus Edelstahl und Titan. Die Firma wurde 1946 gegründet, zu Zeit beschäftigt sie rund 100 Mitarbeiter.

Die Mission der Firma ist „from Idea to solution“, das bedeutet, dass die Firma die Instrumente vom Anfang in ihrer Fabrik ohne Halbprodukte oder OEM- Zulieferer herstellt. Wir benutzen die besten verfügbaren Materialien, Kenntnisse und Erfahrungen von unseren Mitarbeiter. Das Unternehmen kombiniert moderne Technologie mit Tradition, um die höchsten Qualitätsinstrumente herzustellen. Bemerkenswert ist auch die aktive Beteiligung des Unternehmens in Forschung und Entwicklung.

Die Hauptgeschäftsumfang umfasst die Produktion, Wartung und Implementierung von medizinischen Instrumenten. Das Unternehmen produziert auch nichtmedizinische Metall-Produkte für die Automobil-, Bau- Industrie, Bienenzucht, alternative Medizin. Wir bieten auch Dienstleistungen im Bereich von Metallverarbeitung.

Zu den Exportmärkten gehören: Japan, USA, Mexiko, Korea, Deutschland, Italien, Schweiz, Spanien, Großbritannien, Ukraine, Iran, Thailand, Israel und viele andere.



QUALITÄT

Auf die hohe Qualität bestehen:

- Hochwertige Rohstoffe von namhaften langfristigen Lieferanten, unter anderem der deutsche Edelstahl
- 100% End- und Interop- Qualitätskontrolle
- Qualifizierte Mitarbeiter
- Zusammenarbeit mit Spezialisten in der Entwicklung neuer Instrumente und ihrer klinischen Bewertung
- Zertifiziertes Qualitätsmanagementsystem nach ISO 13485 und ISO 9001
- Pflege für die Einhaltung der Qualitätsstandards der Export- Länder (unter anderem das FMA Zertifikat in Japan, die FDA-Zulassung in den USA und vielen anderen)
- Die Einhaltung der spezifischen Anforderungen des Kunden

REGENERATION

Die Firma bietet auch Dienstleistungen von Reparatur der Instrumenten, einschließlich die Reparaturen von Instrumenten der anderen Hersteller. Die Reparatur von Instrumenten wird durch Zertifikate ISO 9001 und ISO 13485 abgedeckt.

TITANINSTRUMENTE

CHIRMED produziert die Titaninstrumente seit 1970.

VORTEILE VON TITANINSTRUMENTEN:

- Ausgezeichnete Korrosionsbeständigkeit, Langlebigkeit und nahezu unbegrenzte Lebensdauer macht Titanmaterial kostengünstiger.
- Titan ist das biokompatibelste aller Metalle durch hervorragende Beständigkeit gegen Körperflüssigkeiten.
- Instrumente aus Titan haben eine ausgezeichnete Beständigkeit gegen Spaltkorrosion, größer als aus rostfreiem Stahl.
- Geringes spezifisches Gewicht, Festigkeit, feines metallisches Aussehen.
- Instrumente aus Titan halten wiederholte Sterilisation aus, ohne Auswirkung auf die Qualität von Kanten, Oberflächenbeständigkeit und Haltbarkeit.
- Titan kann anodisiert werden, um verschiedene Farben und nichtreflektierende Oberflächen zu erreichen, was sehr wichtig bei den mikrochirurgischen Operationen, ist zum Beispiel bei den Augenoperationen.
- Titan ist nicht magnetisch und ist daher ideal für Anwendungen, wo es notwendig ist, um elektromagnetische Störungen zu minimieren.

Durch die Verwendung von Titan-Anodisierungen, können die auf den folgenden Farbpalette präsentierten Farben annähernd erhalten bleiben.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

COMPANY PROFILE

Manufacturer of Surgical Instruments CHIRMED located in Rudniki, is a Polish manufacturer of high quality surgical and dental instruments and non-medical components of stainless steel and titanium. The company was established in 1946 and has around 100 employees.

The mission of the company is: „From idea to solution“, which means that the company manufactures the instruments from a scratch, without any semi-products or sub-contractors, using the best available raw materials, knowledge and experience of the employees. The company matches highest technologies with tradition to create the highest quality of the instruments. The active participation of the company in Research and Development projects is also noticeable.

The main field of activity of the company includes: production, service and development of medical instruments.

The company is also engaged in the manufacture of non-medical metal products for automotive and construction industry, as well as apiculture and unconventional medicine. We also offer services in a range of metalworking.

The main export countries are: Japan, USA, Mexico, South Korea, Germany, Italy, Switzerland, Spain, UK, Ukraine, Iran, Thailand, Israel and many others.



QUALITY

The high quality of the products is based on:

- Highest quality of the raw materials from reliable long-term suppliers and manufacturers, mainly German Stainless Steel
- 100% final and in-process quality inspection
- Skilled staff - Cooperation with specialists on developing new instruments and their clinical evaluation
- Certified Quality Management System to ISO 13485 and ISO 9001
- Care about compliance with quality standards valid in export countries (mainly FMA Certificate in Japan, FDA registration and many others)
- Observance of special customer's requirements

REGENERATION

The company offers also services for professional regeneration of instruments including the regeneration of the instruments from another manufacturers. The regeneration of instruments is covered by certificates ISO 9001 and ISO 13485.

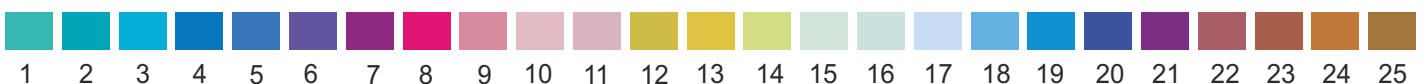
TITANIUM INSTRUMENTS

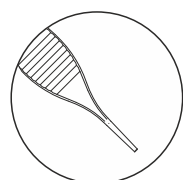
The company CHIRMED has been manufacturing titanium instruments since 1970.

ADVANTAGES OF TITANIUM INSTRUMENTS:

- excellent resistance to corrosion, durability, almost unlimited life span make titanium cost-effective material
- titanium is the most biocompatible of all metals due to its resistance to attack by body fluids
- titanium instruments have excellent resistance to crevice corrosion and generally outperforms instruments made of stainless steel
- light weight and strength and soft metallic appearance
- titanium instruments withstand repeated sterilization without compromise to edge or surface quality, corrosion resistance or strength
- titanium may be anodized to produce various colors to provide a non reflecting surface, essential in microsurgical surgeries, for example in eye surgery
- titanium is virtually non-magnetic, which makes it ideal for applications where electro-magnetic interference must be minimized

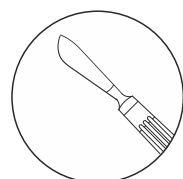
By using titanium anodizing, the colors presented on the following color palette can be obtained approximately.





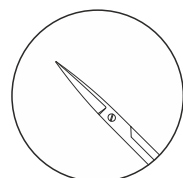
Pincety
Dissectings - and Tissue Forceps
Pinzetten
Пинцеты

5 - 38



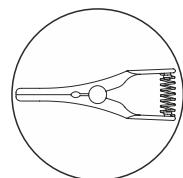
Skalpele, noże, trzonki do skalpeli, Amputacja
Scalpels, Knives, Scalpel handles, Amputation
Skalpelles, Messer, Skalpellgriffe, Amputation
Скальпели, Ножи, Ручки для скальпеля, Ампутация

39 - 42



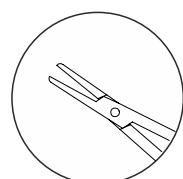
Nożyczki chirurgiczne i mikrochirurgiczne
Surgical and Micro Scissors
Chirurgische und Mikro Scheren
Ножницы Хирургические и микроскопические

43 - 46



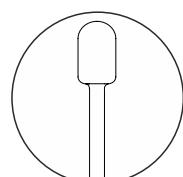
Zaciski naczyniowe Bulldog
Bulldog clamps
Bulldogklemmen
Бульдог Зажимы

47 - 50



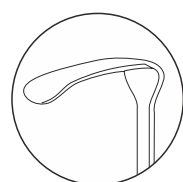
Igłotrzymacze mikrochirurgiczne
Micro needle holders
Mikro Nadelhalter
Микрохирургические иглодержатели

51 - 58



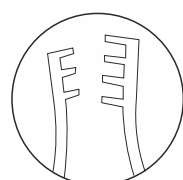
Sondy naczyniowe i kaniule
Vessel dilators and cannulas
Gefäßdilatoren und Kanülen
Расширители сосудов и канюли

59 - 60



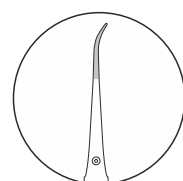
Haki
Retractors
Wundhaken
Ретракторы

61 - 68



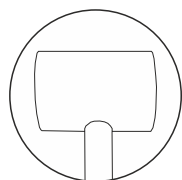
Rozwieracze do ran, haki brzuszne
Self-Retaining Retractors, Abdominal Retractors
Wundspreizer, Bauchdeckenhalter
Самоудерживающийся Ретракторы, Ретракторы Брюшной

69 - 74



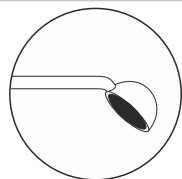
Kardio i torakochirurgia
Cardiovascular and Thoracic Surgery
Herz-, Thorax- und Gefäß-Chirurgie
Сердечно-сосудистая и торакальная хирургия

75 - 80



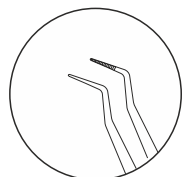
Ortopedia
Orthopedics
Orthopädie
Ортопедия

81 - 98



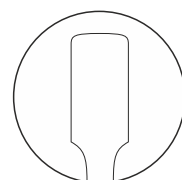
Laryngologia
Laryngology
Laryngologie
Ларингология

99 - 104



Stomatologia
Stomatology
Stomatologie
Стоматология

105 - 120



Narzędzia diagnostyczne i laboratoryjne
Diagnostic and Laboratory Instruments
Diagnostic und Labor - Instrumente
Инструменты для диагностики и лабораторий

121 - 124

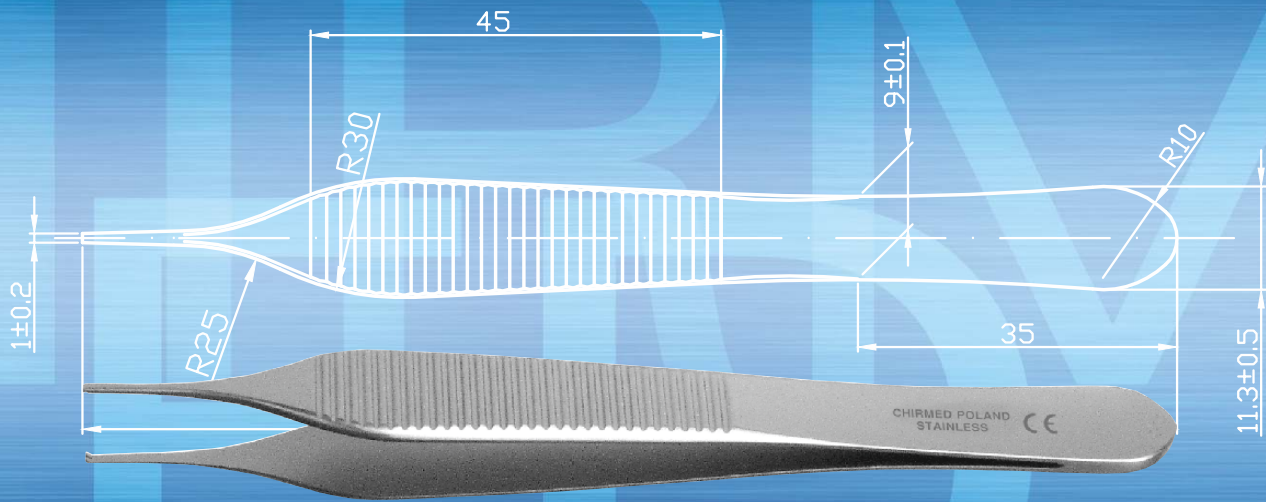


Spis alfabetyczny i numeryczny
Alphabetical and Numerical Index
Alphabetischer und numerischer Index
Алфавитный и числовой индекс

125 - 140

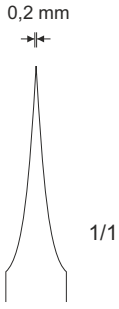
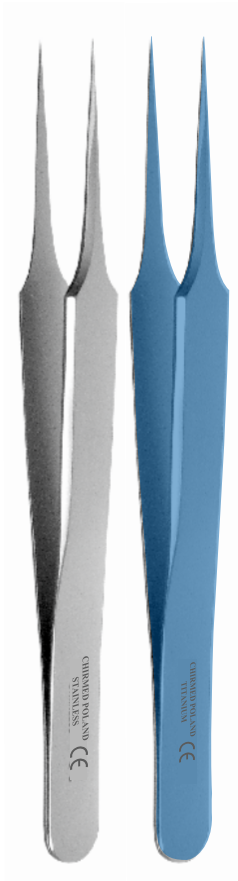
CHIRMED®

Pincety
Dissectings - and Tissue Forceps
Pinzetten
Пинцеты

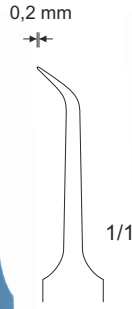


from IDEA to SOLUTION

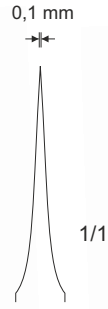




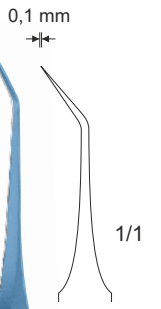
MK 10 MK 10/T
 110 mm (4 3/8")
TITANIUM



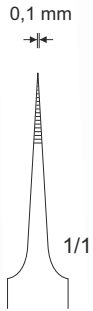
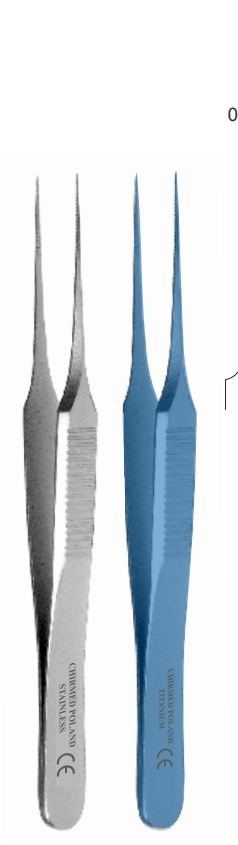
MK 11 MK 11/T
 110 mm (4 3/8")
TITANIUM



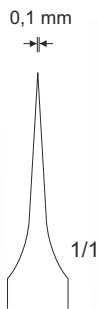
MK 12 MK 12/T
 110 mm (4 3/8")
TITANIUM



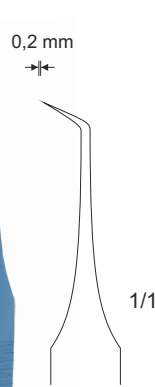
MK 13 MK 13/T
 110 mm (4 3/8")
TITANIUM



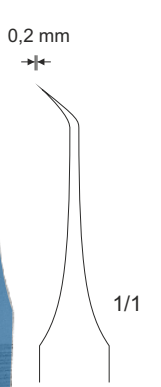
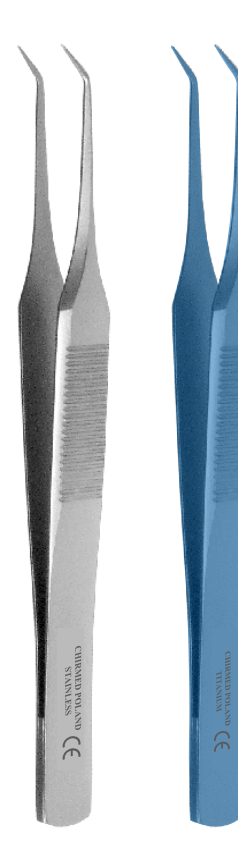
MK 14 MK 14/T
 90 mm (3 1/2")
TITANIUM



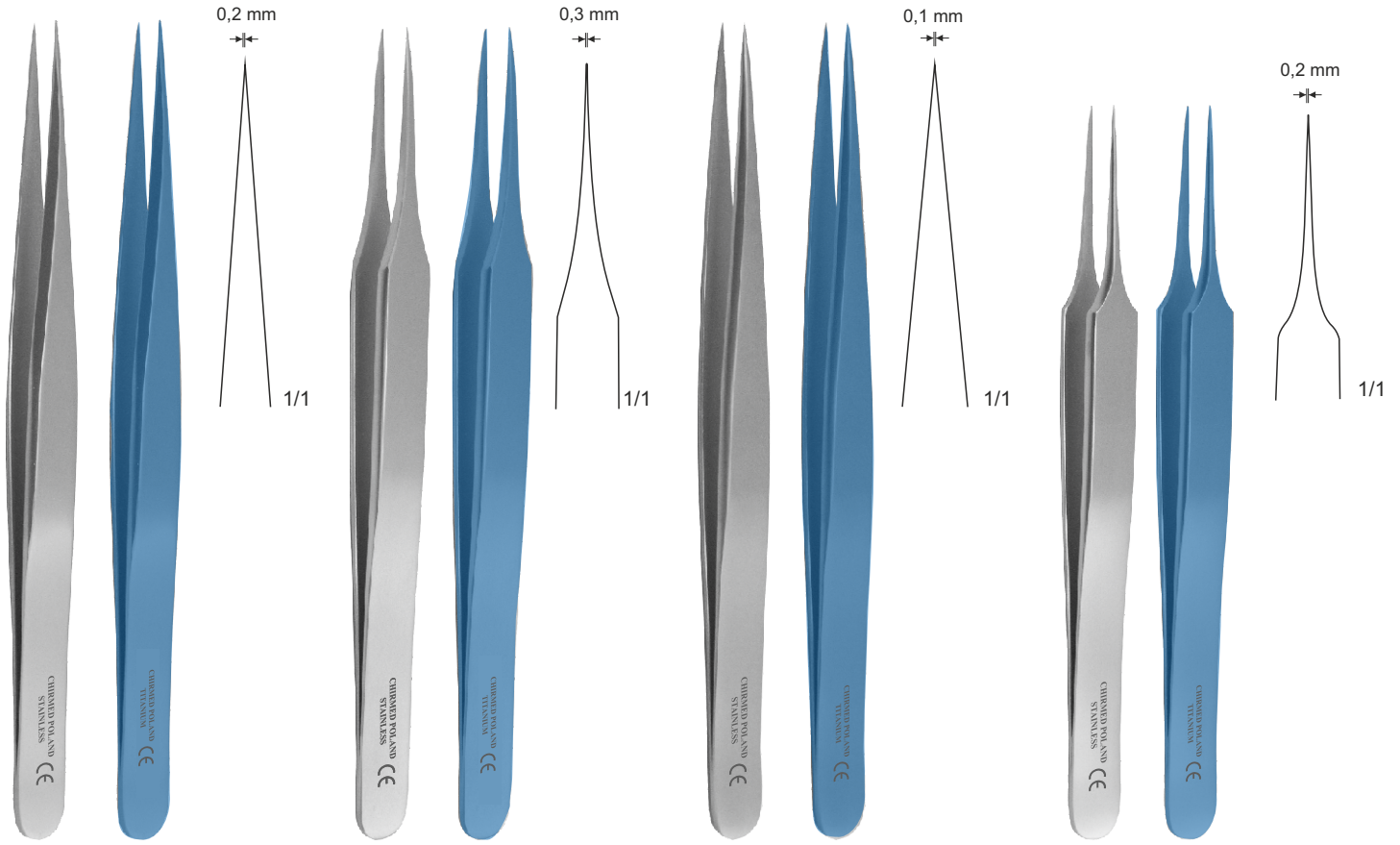
MK 15 MK 15/T
 115 mm (4 1/2")
TITANIUM



MK 47 MK 47/T
 100 mm (4") 70°
TITANIUM



MK 48 MK 48/T
 105 mm (4 1/8") 30°
TITANIUM

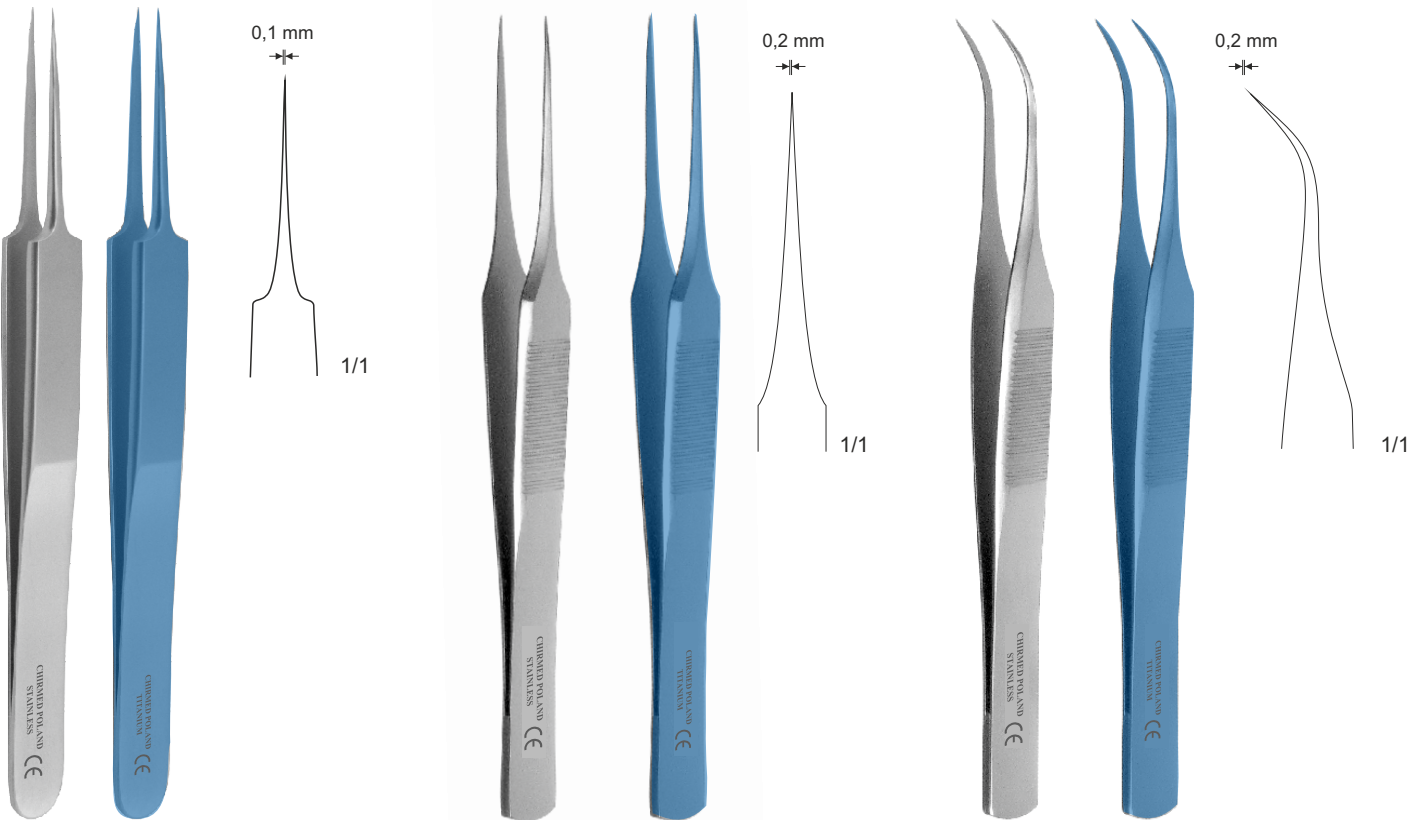


MK 01 MK 01/T
 120 mm (4 3/4")
TITANIUM

MK 02 MK 02/T
 120 mm (4 3/4")
TITANIUM

MK 03 MK 03/T
 120 mm (4 3/4")
TITANIUM

MK 04 MK 04/T
 110 mm (4 3/8")
TITANIUM



MK 05 MK 05/T
 110 mm (4 3/8")
TITANIUM

MK 45 MK 45/T
 110 mm (4 3/8")
TITANIUM

MK 46 MK 46/T
 110 mm (4 3/8")
TITANIUM

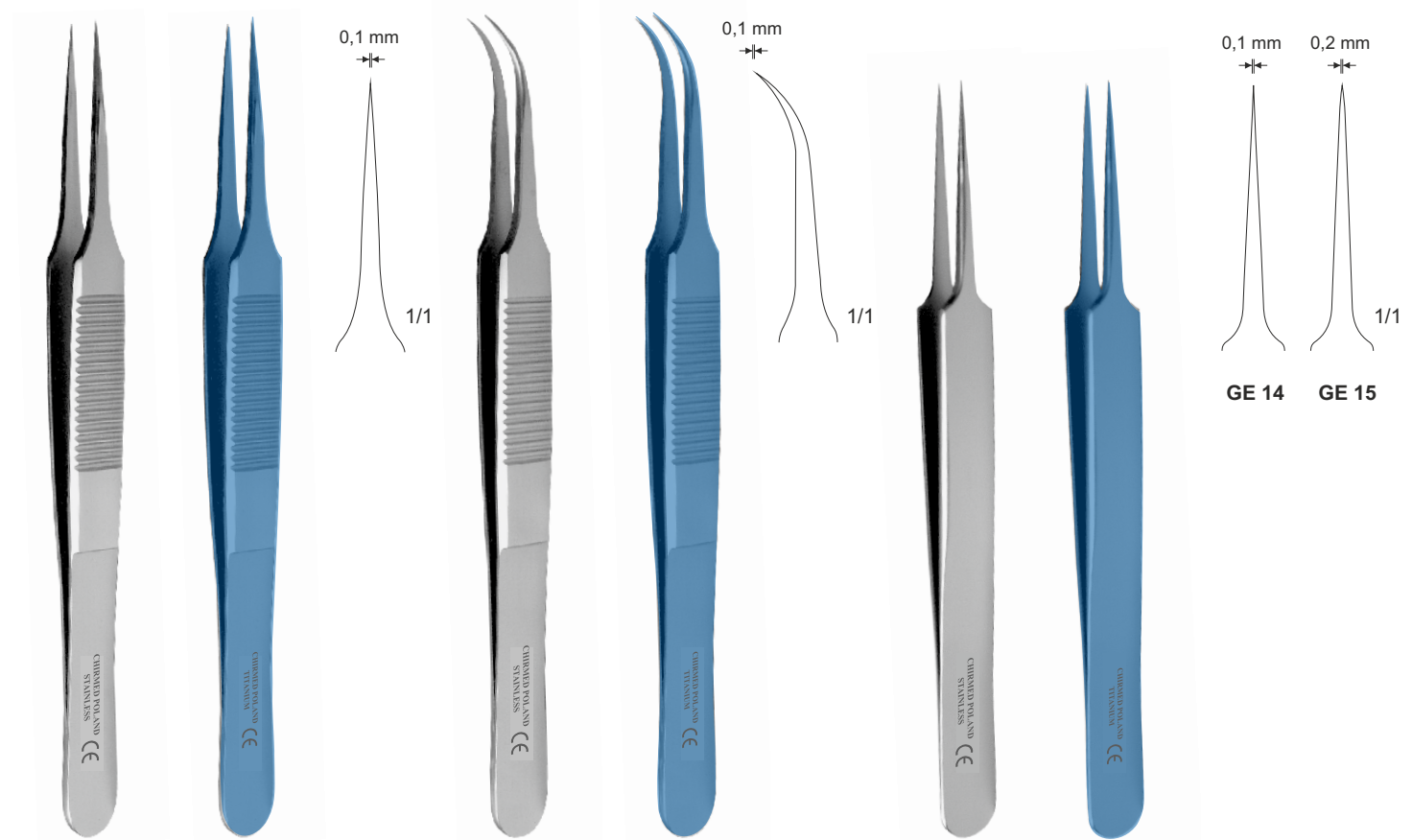


GE 10 GE 10/T
 110 mm (4 3/8")
TITANIUM

GE 11 GE 11/T
 110 mm (4 3/8")
TITANIUM

GE 30
 48 mm

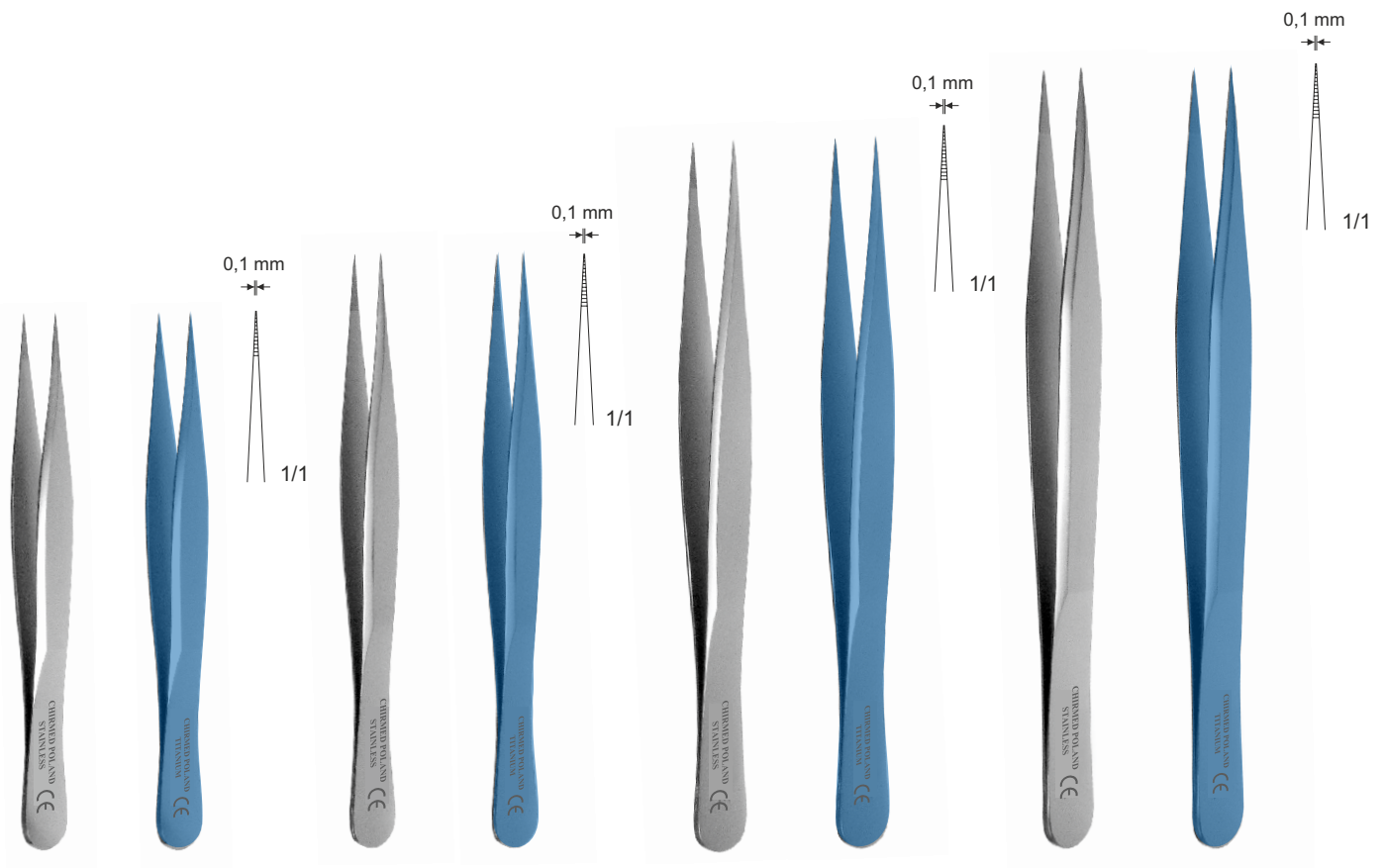
MK 336 MK 336/T
 120 mm (4 3/4")
TITANIUM



GE 12 GE 12/T
 130 mm (5 1/8")
TITANIUM

GE 13 GE 13/T
 130 mm (5 1/8")
TITANIUM

GE 14 - GE 15 GE 14/T - GE 15/T
 110 mm (4 3/8")
TITANIUM

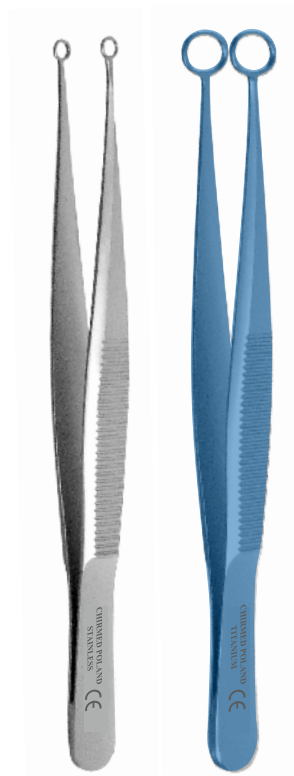


MK 22 **MK 22/T**
 100 mm (4")
TITANIUM

MK 23 **MK 23/T**
 110 mm (4 3/8")
TITANIUM

MK 24 **MK 24/T**
 130 mm (5 1/8")
TITANIUM

MK 25 **MK 25/T**
 140 mm (5 1/2")
TITANIUM

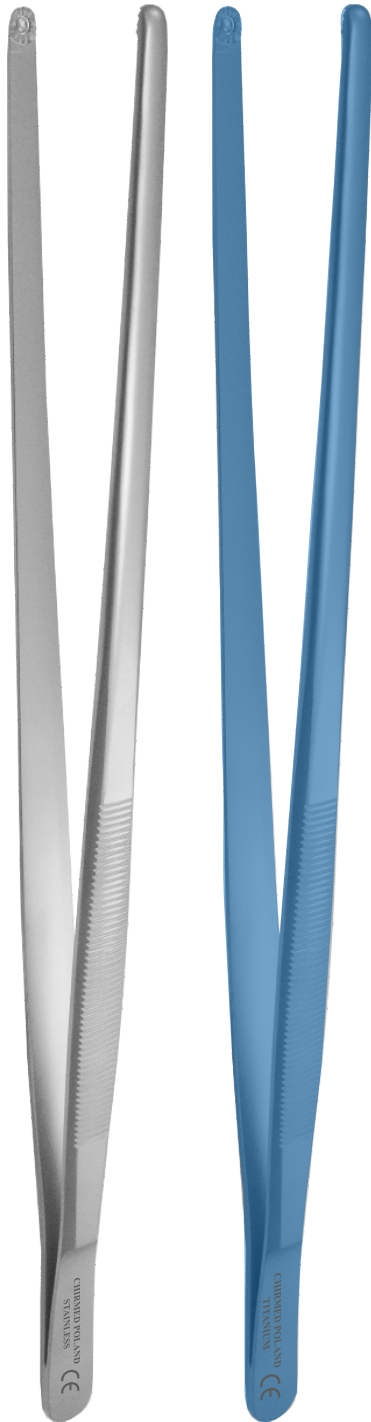


MK 18 **MK 19/T**
 100 mm (4")
TITANIUM

	Ø 3 mm	Ø 3 mm	Ø 6 mm	Ø 6x8 mm	Ø 8x10 mm	Ø 9 mm
Czubki Tips Spitzen кончик						
STAINLESS STEEL	MK 18	MK 18/S	MK 19	MK 20	MK 21	MK 38
TITANIUM	MK 18/T	MK 18/S/T	MK 19/T	MK 20/T	MK 21/T	MK 38/T

średnica wewnętrzna 3 mm
inside diameter 3 mm
innerer Durchmesser 3mm
внутренний диаметр 3 мм

średnica wewnętrzna 3 mm
inside diameter 3 mm
innerer Durchmesser 3mm
внутренний диаметр 3 мм



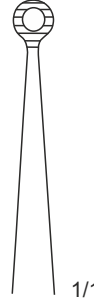
RUSSIAN
CO 311 CO 311/T
300 mm (12")
TITANIUM



1/1



CO 174 CO 174/T
130 mm (5 1/8")
TITANIUM



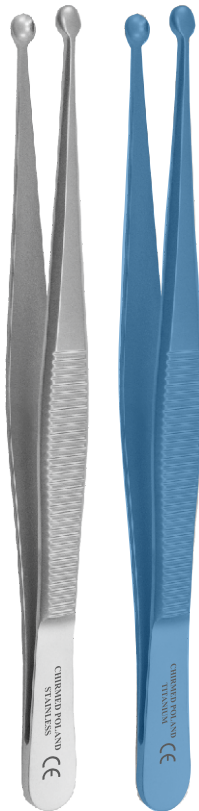
1/1



CO 175 CO 175/T
130 mm (5 1/8")
TITANIUM



1/1

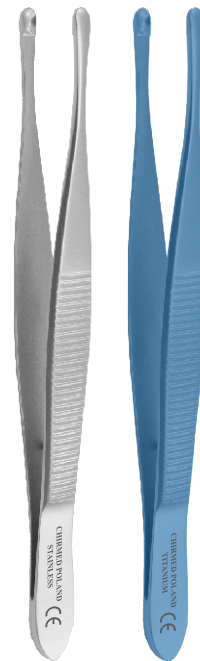


CO 173 CO 173/T
150 mm (6")
TITANIUM

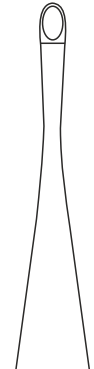
5 mm



1/1

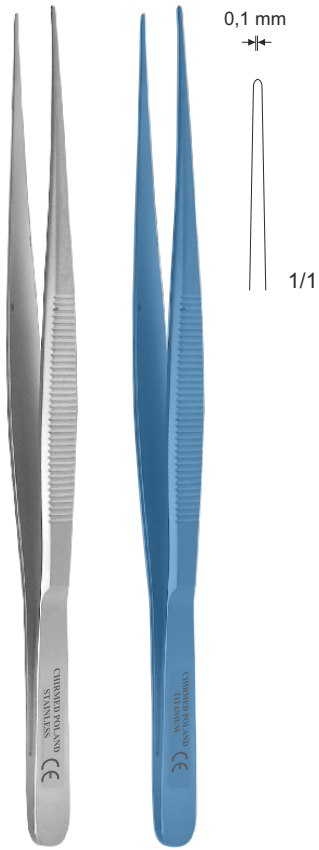


CO 176 CO 176/T
135 mm (5 1/4")
TITANIUM

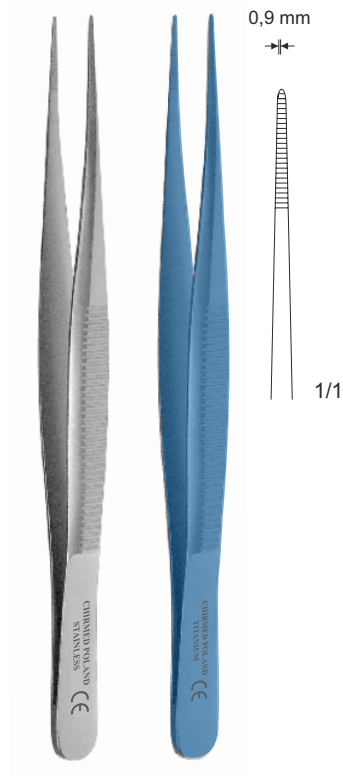


1/1

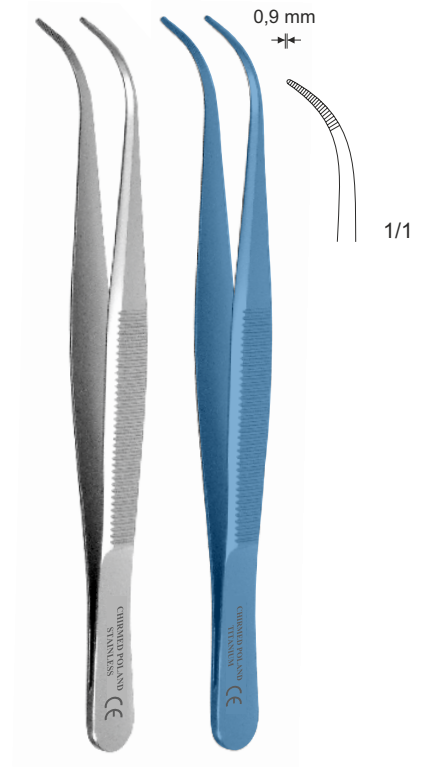
czubek/tip/Spitze/наконечник:
3,8 x 5 mm
(owal, oval, овальный)



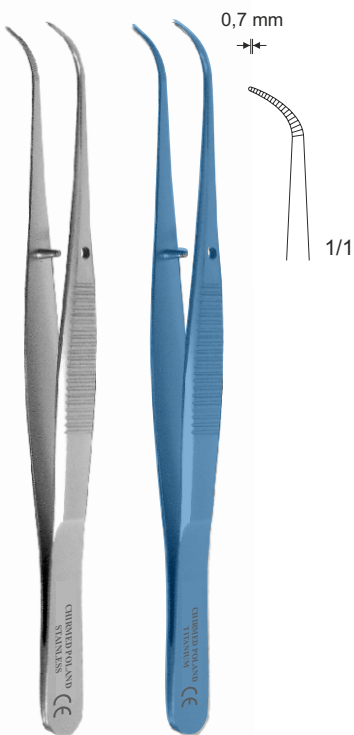
MK 54 MK 54/T
 130 mm (5 1/8")
TITANIUM



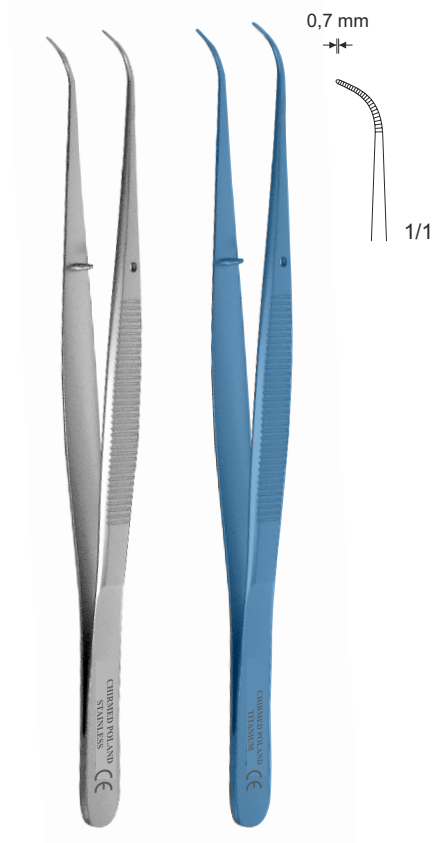
MK 16 MK 16/T
 110 mm (4 3/8")
TITANIUM



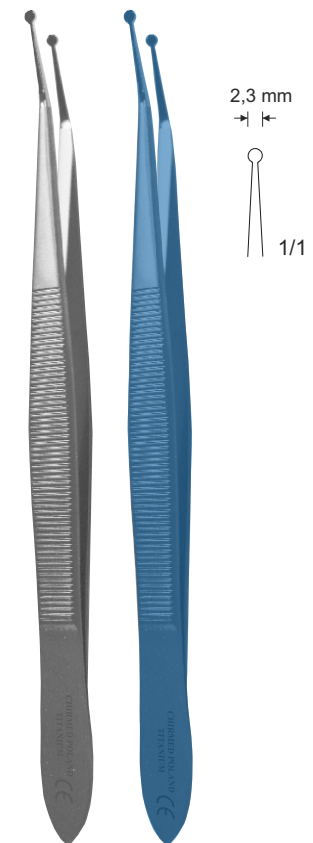
MK 17 MK 17/T
 110 mm (4 3/8")
TITANIUM



OK 36 OK 36/T
 100 mm (4")
TITANIUM



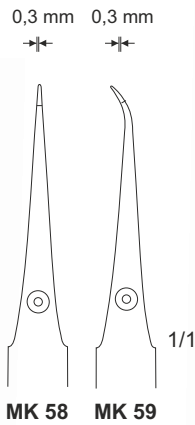
OK 37 OK 37/T
 130 mm (5 1/8")
TITANIUM



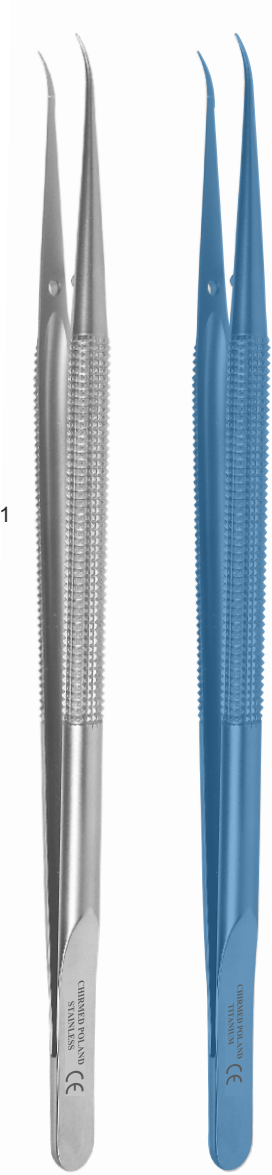
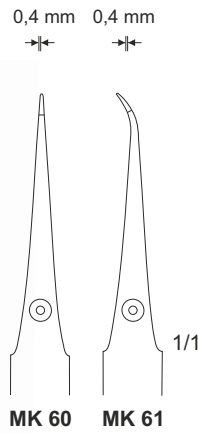
OK 55 OK 55/T
 150 mm (6")
TITANIUM



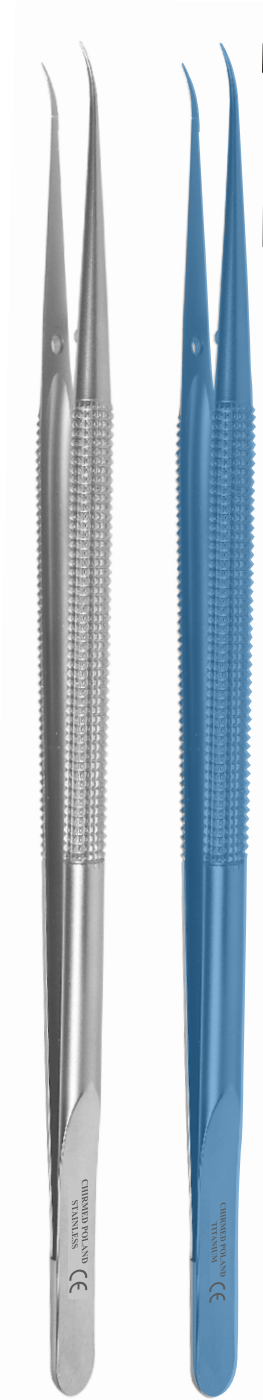
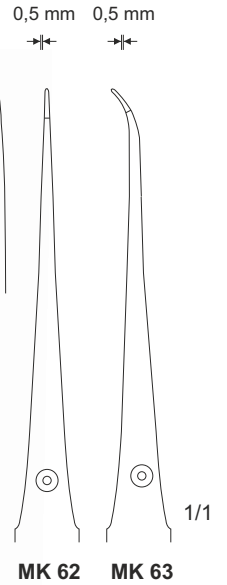
DOSTĘPNE RÓWNIEŻ Z NASYPEM DIAMENTOWYM
 AVAILABLE ALSO WITH DIAMOND COATED JAWS
 ERREICHBAR AUCH MIT DIAMANTBESCHICHTUNG AM MAUL
 ТАКЖЕ ДОСТУПНЫ С АЛМАЗНЫМ ПОКРЫТИЕМ



MK 58, MK 59 MK 58/T, MK 59/T
 120 mm (4 7/8")
TITANIUM



MK 60, MK 61 MK 60/T, MK 61/T
 150 mm (6")
TITANIUM



MK 62, MK 63 MK 62/T, MK 63/T
 180 mm (7 1/8")
TITANIUM

DOSTĘPNE RÓWNIEŻ Z NASYPEM DIAMENTOWYM
 AVAILABLE ALSO WITH DIAMOND COATED JAWS
 ERREICHBAR AUCH MIT DIAMANTBESCHICHTUNG AM MAUL
 ТАКЖЕ ДОСТУПНЫ С АЛМАЗНЫМ ПОКРЫТИЕМ



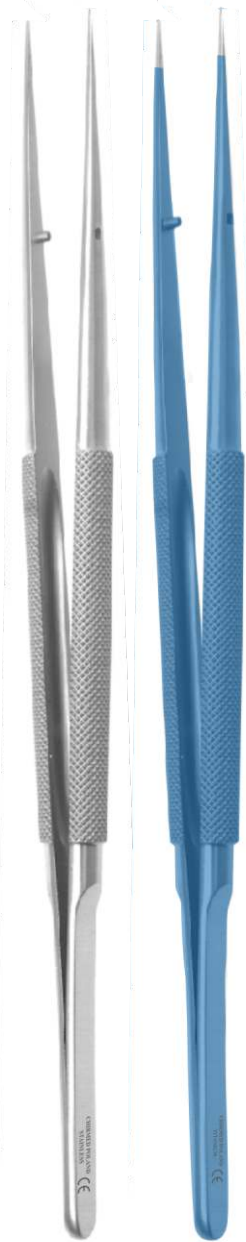
MK 252, MK 253 **MK 252/T, MK 253/T**
 120 mm (4 7/8")
TITANIUM

MK 254, MK 255 **MK 254/T, MK 255/T**
 150 mm (6")
TITANIUM

MK 256, MK 257 **MK 256/T, MK 257/T**
MK 304, MK 305 **MK 304/T, MK 305/T**
 180 mm (7 1/8")
TITANIUM



NASYP DIAMENTOWY
DIAMOND COATED
DIAMANTBESCHICHTUNG
АЛМАЗНОЕ ПОКРЫТИЕ



MK 111

MK 111/T
TITANIUM

Czubki
 Tips
 Spitzen
 Кончик

Długość
 Length (in)
 Länge
 Длина



1/1

150 mm (6")	MK 111	MK 344	MK 114	MK 351
150 mm (6")	MK 111/T	MK 344/T	MK 114/T	MK 351/T
180 mm (7 1/8")	MK 62/A	MK 345	MK 348	MK 352
180 mm (7 1/8")	MK 62/A/T	MK 345/T	MK 348/T	MK 352/T
210 mm (8 1/4")	MK 341	MK 347	MK 116	MK 354
210 mm (8 1/4")	MK 341/T	MK 347/T	MK 116/T	MK 354/T
230 mm (9")	MK 342	MK 112	MK 349	MK 117
230 mm (9")	MK 342/T	MK 112/T	MK 349/T	MK 117/T
255 mm (10 1/4")	MK 343	MK 113	MK 350	MK 118
255 mm (10 1/4")	MK 343/T	MK 113/T	MK 350/T	MK 118/T

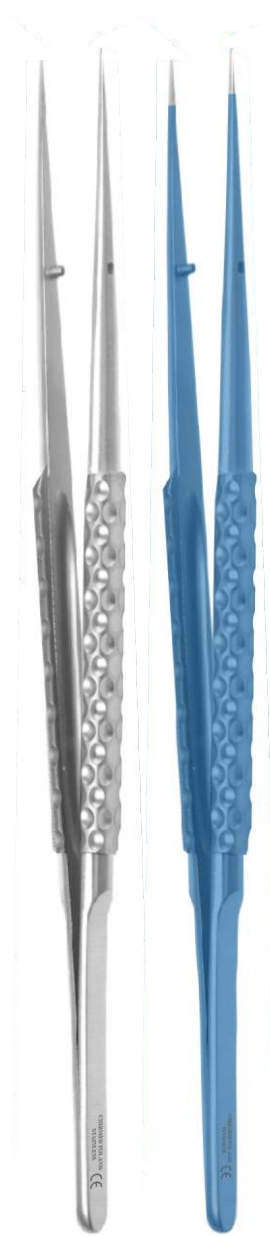
Czubki
 Tips
 Spitzen
 Кончик

Długość
 Length (in)
 Länge
 Длина



1/1

150 mm (6")	MK 285	MK 359	MK 263	MK 364
150 mm (6")	MK 285/T	MK 359/T	MK 263/T	MK 364/T
180 mm (7 1/8")	MK 355	MK 360	MK 264	MK 365
180 mm (7 1/8")	MK 355/T	MK 360/T	MK 264/T	MK 365/T
210 mm (8 1/4")	MK 356	MK 361	MK 265	MK 366
210 mm (8 1/4")	MK 356/T	MK 361/T	MK 265/T	MK 366/T
230 mm (9")	MK 357	MK 261	MK 362	MK 266
230 mm (9")	MK 357/T	MK 261/T	MK 362/T	MK 266/T
255 mm (10 1/4")	MK 358	MK 262	MK 363	MK 267
255 mm (10 1/4")	MK 358/T	MK 262/T	MK 363/T	MK 267/T



MK 258





MK 258/T
TITANIUM

NASPY DIAMENTOWY
 DIAMOND COATED
 DIAMANTBESCHICHTUNG
 АЛМАЗНОЕ ПОКРЫТИЕ



MK 72

MK 72/T
 TITANIUM





Czubki Tips Spitzen Кончик		
	1,2 mm → ←	1,2 mm → ←
Długość Length (in) Länge Длина		 3/1
	150 mm (6")	MK 333
150 mm (6") TITANIUM	MK 333/T	MK 333/A/T
185 mm (7 1/4")	MK 73	MK 73/A
185 mm (7 1/4") TITANIUM	MK 73/T	MK 73/A/T
210 mm (8 1/4")	MK 74	MK 74/A
210 mm (8 1/4") TITANIUM	MK 74/T	MK 74/A/T
230 mm (9")	MK 75	MK 75/A
230 mm (9") TITANIUM	MK 75/T	MK 75/A/T
255 mm (10 1/4")	MK 76	MK 76/A
255 mm (10 1/4") TITANIUM	MK 76/T	MK 76/A/T

z przeciwważą
 with balance
 mit balance
 с балансом



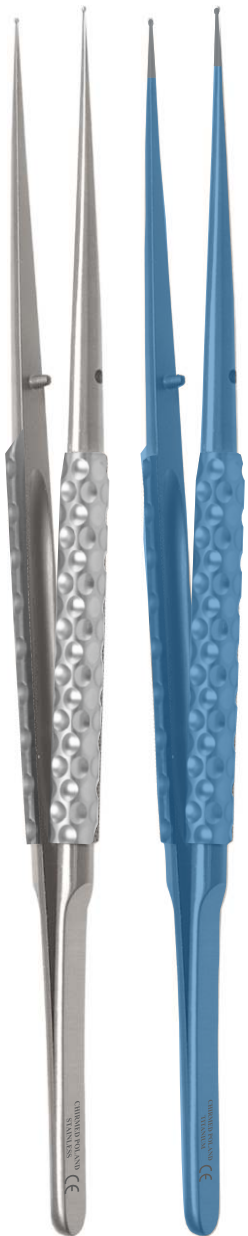
MK 75





MK 75/T
 TITANIUM

Czubki Tips Spitzen Кончик		
	1,1 mm → ←	1,1 mm → ←
Długość Length (in) Länge Длина		 3/1
	150 mm (6")	MK 70
150 mm (6") TITANIUM	MK 70/T	MK 70/A/T
185 mm (7 1/4")	MK 71	MK 71/A
185 mm (7 1/4") TITANIUM	MK 71/T	MK 71/A/T
210 mm (8 1/4")	MK 72	MK 72/A
210 mm (8 1/4") TITANIUM	MK 72/T	MK 72/A/T

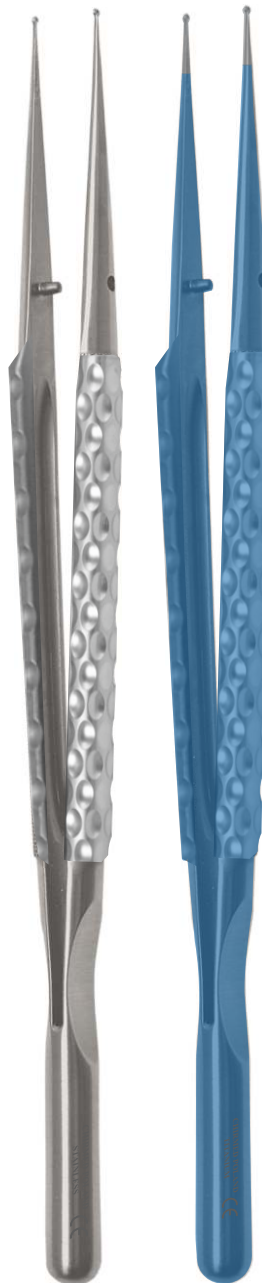






NASYP DIAMENTOWY
DIAMOND COATED
DIAMANTBESCHICHTUNG
АЛМАЗНОЕ ПОКРЫТИЕ



Czubki Tips Spitzen Кончик	 1,1 mm → ←	 1,1 mm → ←
Długość Length (in) Länge Длина		 3/1
150 mm (6")	MK 248	MK 248/A
150 mm (6") TITANIUM	MK 248/T	MK 248/A/T
185 mm (7 1/4")	MK 119	MK 119/A
185 mm (7 1/4") TITANIUM	MK 119/T	MK 119/A/T
210 mm (8 1/4")	MK 120	MK 120/A
210 mm (8 1/4") TITANIUM	MK 120/T	MK 120/A/T

MK 120 **MK 120/T**
 210 mm (8 1/4")
TITANIUM



Czubki Tips Spitzen Кончик	 1,2 mm → ←	 1,2 mm → ←
Długość Length (in) Länge Длина		 3/1
185 mm (7 1/4")	MK 271	MK 271/A
185 mm (7 1/4") TITANIUM	MK 271/T	MK 271/A/T
210 mm (8 1/4")	MK 272	MK 272/A
210 mm (8 1/4") TITANIUM	MK 272/T	MK 272/A/T
230 mm (9")	MK 273	MK 273/A
230 mm (9") TITANIUM	MK 273/T	MK 273/A/T
255 mm (10 1/4")	MK 274	MK 274/A
255 mm (10 1/4") TITANIUM	MK 274/T	MK 274/A/T

z przeciwwagą
 with balance
 mit balance
 с балансом

MK 273 **MK 273/T**
 230 mm (9")
TITANIUM



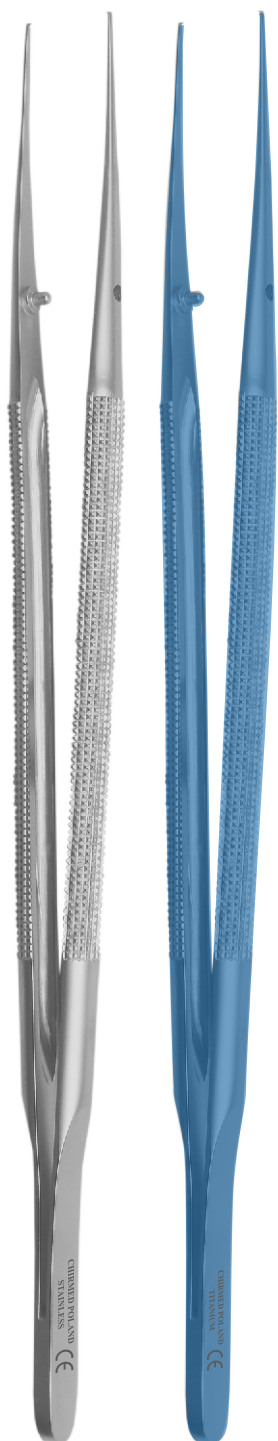
Czubki Tips Spitzen Кончик	1,0 mm	0,5 mm
Długość Length (in) Länge Длина		
		1/1
185 mm (7 1/4")	MK 367	MK 103
185 mm (7 1/4") TITANIUM	MK 367/T	MK 103/T
210 mm (8 1/4")	MK 66	MK 104
210 mm (8 1/4") TITANIUM	MK 66/T	MK 104/T

MK 103 **MK 103/T**
 185 mm (7 1/4")
TITANIUM



Czubki Tips Spitzen Кончик	1,0 mm	0,5 mm
Długość Length (in) Länge Длина		
		1/1
185 mm (7 1/4")	MK 368	MK 126
185 mm (7 1/4") TITANIUM	MK 368/T	MK 126/T
210 mm (8 1/4")	MK 125	MK 127
210 mm (8 1/4") TITANIUM	MK 125/T	MK 127/T

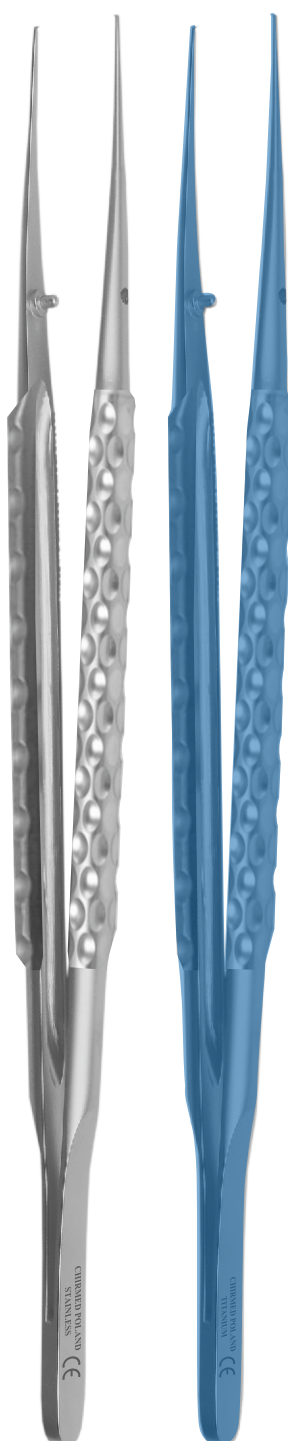
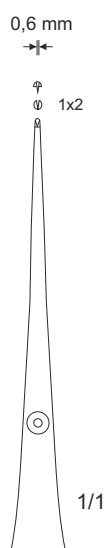
MK 126 **MK 126/T**
 185 mm (7 1/4")
TITANIUM



Czubki
 Tips
 Spitzen
 Кончик

Długość
 Length (in)
 Länge
 Длина

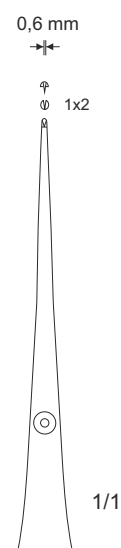
180 mm (7 1/8")	MK 275
180 mm (7 1/8") TITANIUM	MK 275/T
200 mm (8")	MK 64
200 mm (8") TITANIUM	MK 64/T



Czubki
 Tips
 Spitzen
 Кончик

Długość
 Length (in)
 Länge
 Длина

180 mm (7 1/8")	MK 276
180 mm (7 1/8") TITANIUM	MK 276/T
200 mm (8")	MK 277
200 mm (8") TITANIUM	MK 277/T





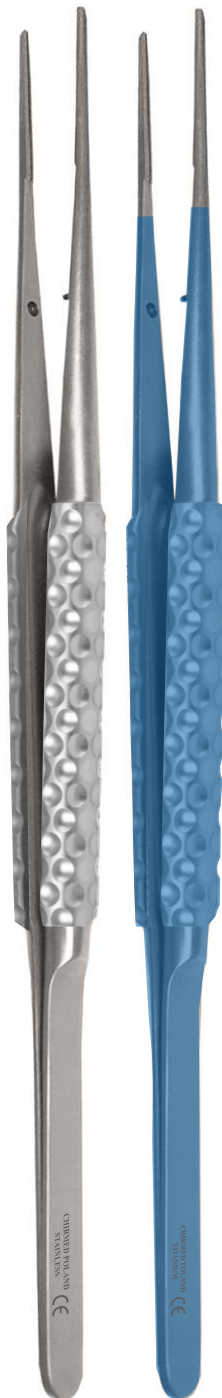
MK 64 **MK 64/T**
 200 mm (8")
TITANIUM

MK 277 **MK 277/T**
 200 mm (8")
TITANIUM







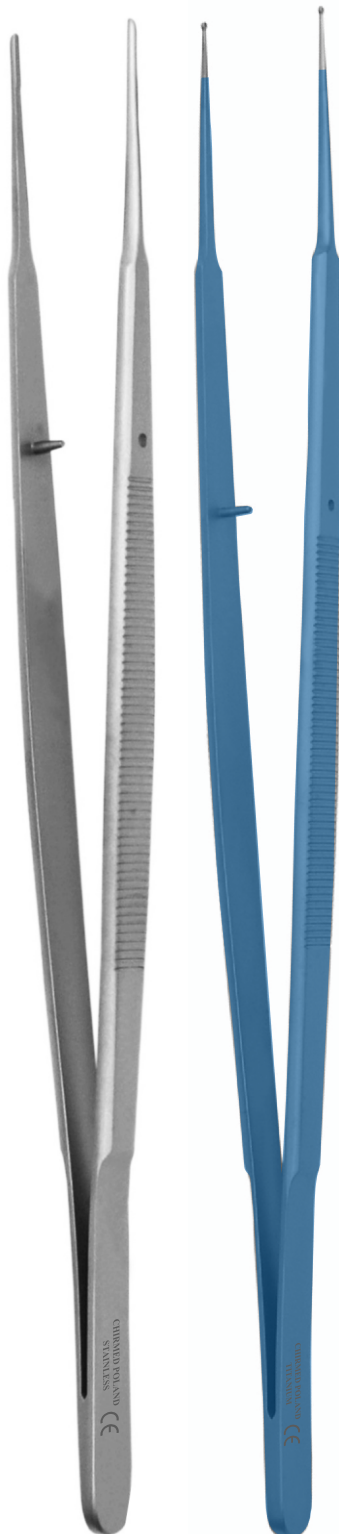
DE BAKEY
 MK 282 MK 282/T
 210 mm (8 1/4")
TITANIUM

Czubki Tips Spitzen Кончик	0,6 mm → ← 
Długość Length (in) Länge Длина	1/1 
180 mm (7 1/8")	MK 281
180 mm (7 1/8") TITANIUM	MK 281/T
210 mm (8 1/4")	MK 282
210 mm (8 1/4") TITANIUM	MK 282/T











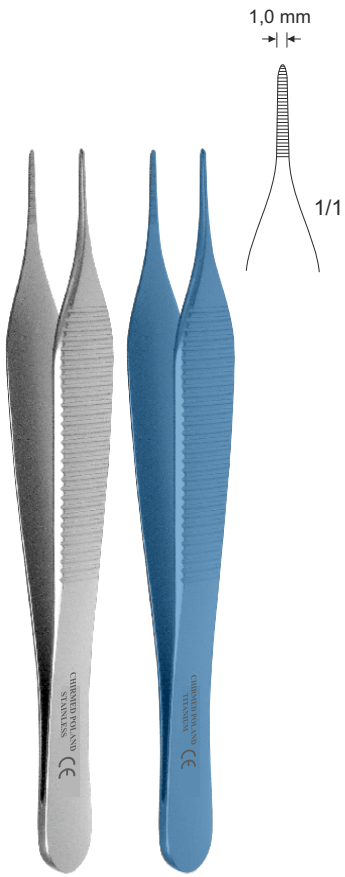
DE BAKEY
 MK 283 MK 283/T
 180 mm (7 1/8")
TITANIUM

Czubki Tips Spitzen Кончик	1,0 mm → ← 	2,0 mm → ← 
Długość Length (in) Länge Длина	1/1 	1/1 
180 mm (7 1/8")	MK 122	MK 121
180 mm (7 1/8") TITANIUM	MK 122/T	MK 121/T
210 mm (8 1/4")	MK 124	MK 123
210 mm (8 1/4") TITANIUM	MK 124/T	MK 123/T

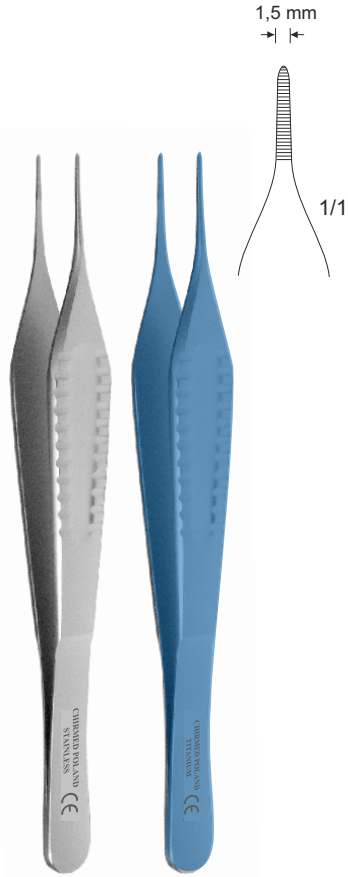


GERALD
 CO 233 CO 234/T
 210 mm (8 1/4")
TITANIUM

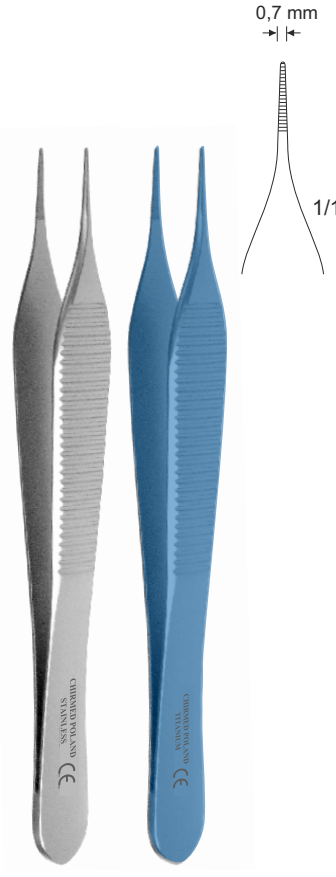
Czubki Tips Spitzen Кончик	 1,2 mm → ←	 1,0 mm → ←	 1,0 mm → ←	1,0 mm → ← ⊕ ⊖	1,0 mm → ← ⊕ ⊖ 1/1
Długość Length (in) Länge Длина					
175 mm (7")	CO 234	CO 230			
175 mm (7") TITANIUM	CO 234/T	CO 230/T			
175 mm (7")				CO 232	
175 mm (7") TITANIUM				CO 232/T	
210 mm (8 1/4")	CO 235		CO 231		CO 233
210 mm (8 1/4") TITANIUM	CO 235/T		CO 231/T		CO 233/T



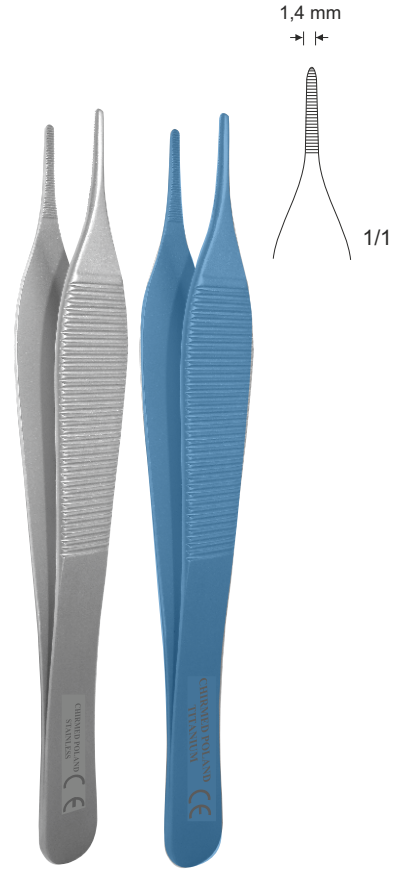
ADSON
 MK 26 MK 26/T
 120 mm (4 3/4")
TITANIUM



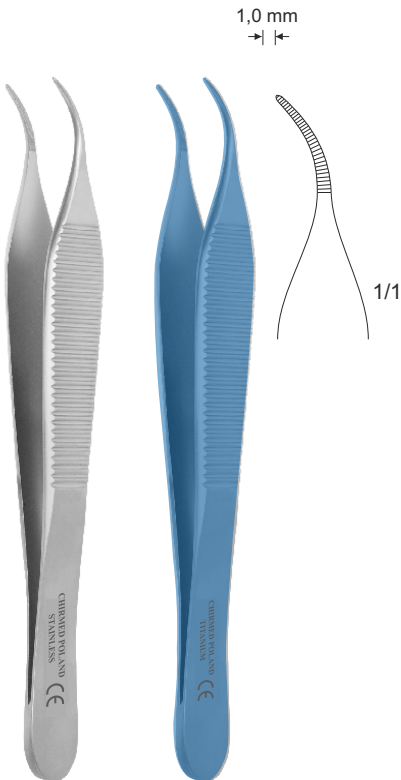
ADSON
 MK 33 MK 33/T
 120 mm (4 3/4")
TITANIUM



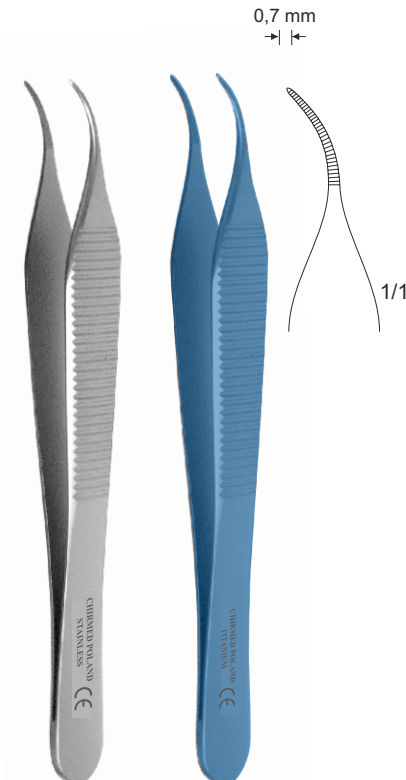
MIKRO-ADSON
 MK 28 MK 28/T
 120 mm (4 3/4")
TITANIUM



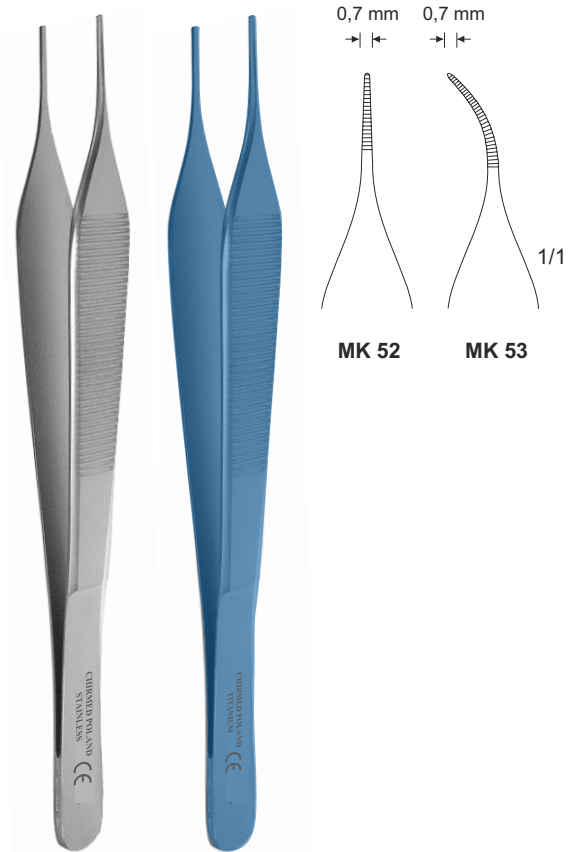
ADSON
 MK 332 MK 332/T
 130 mm (5 1/8")
TITANIUM



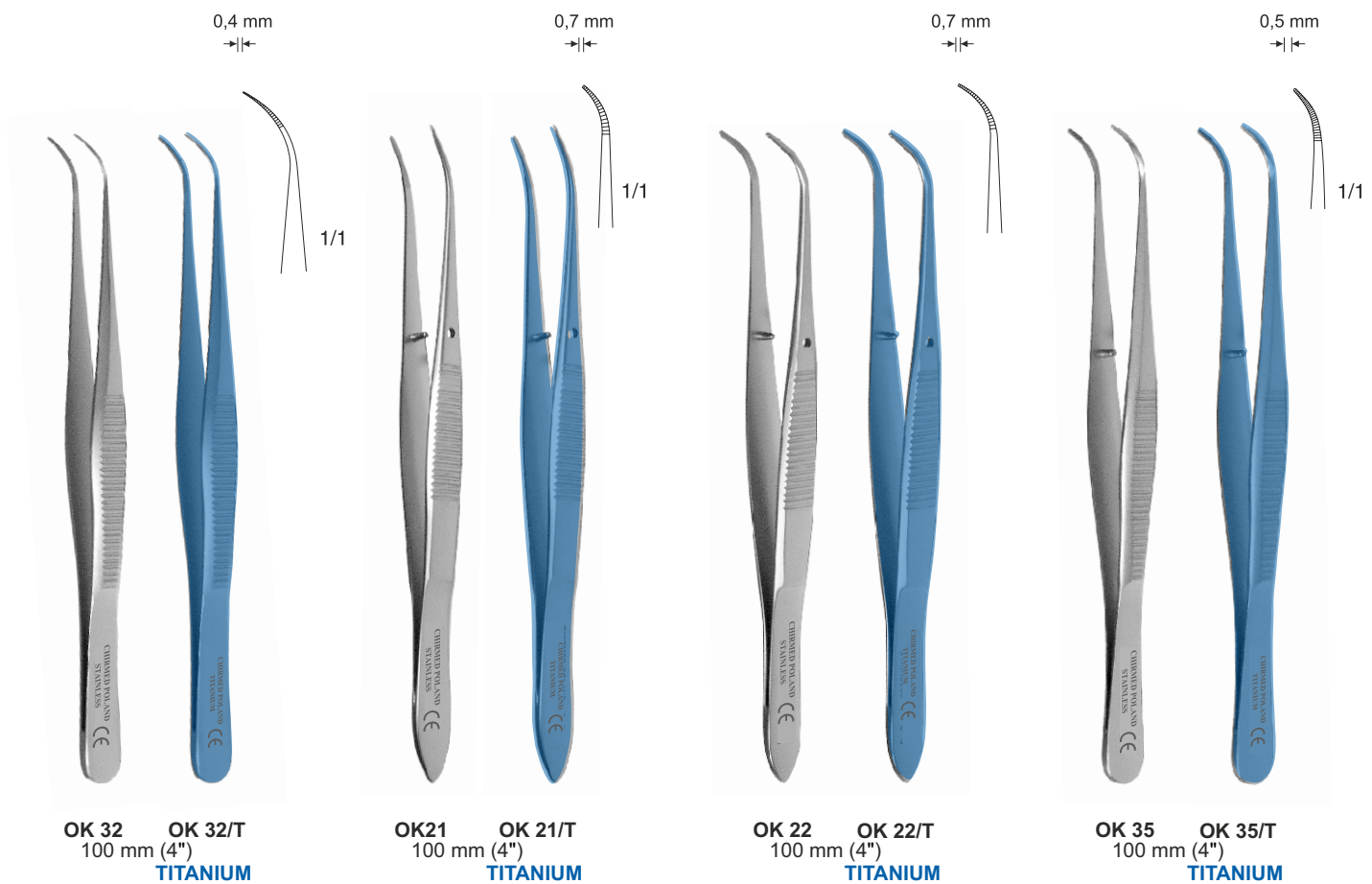
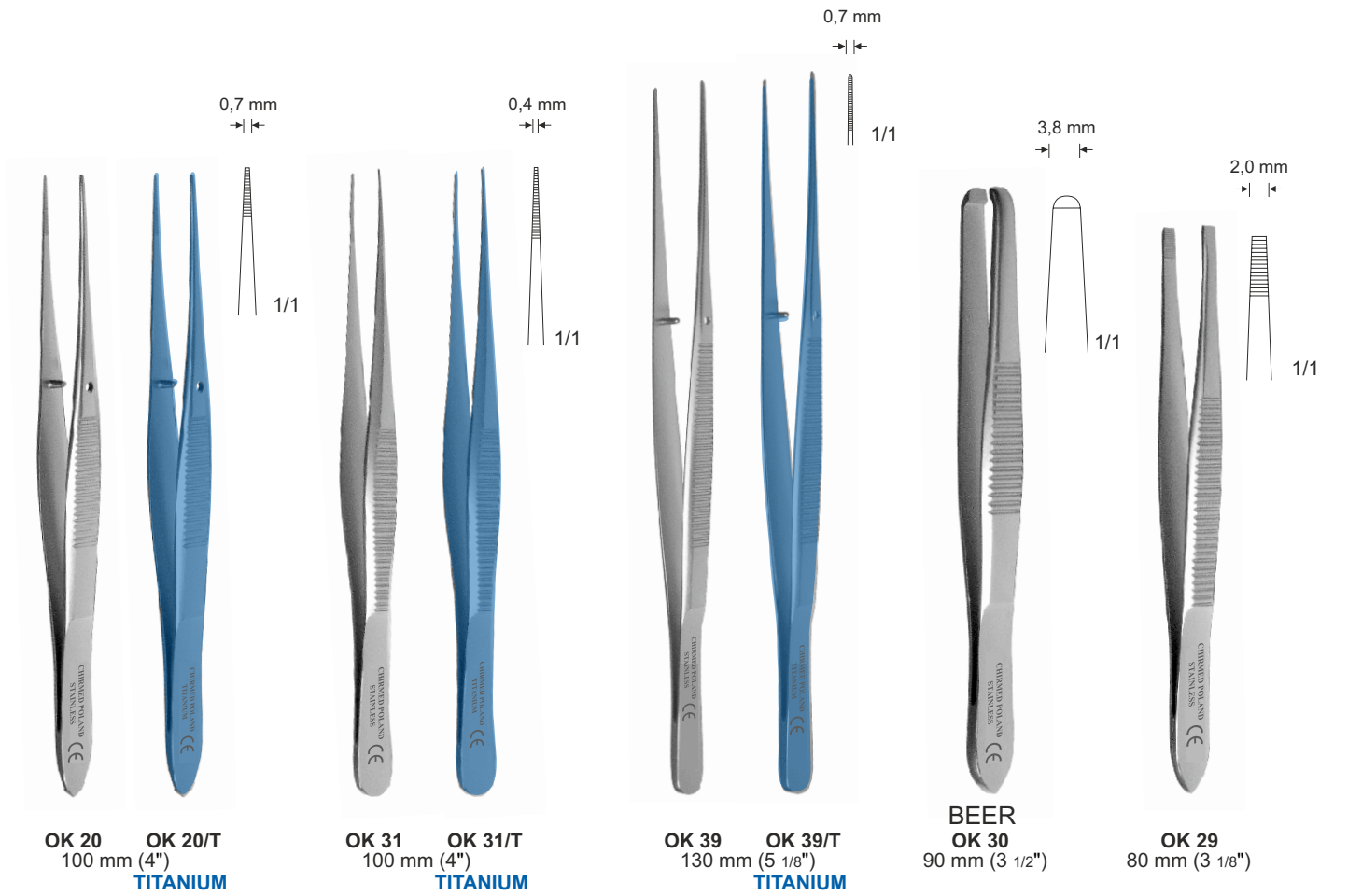
ADSON
 MK 56 MK 56/T
 120 mm (4 3/4")
TITANIUM



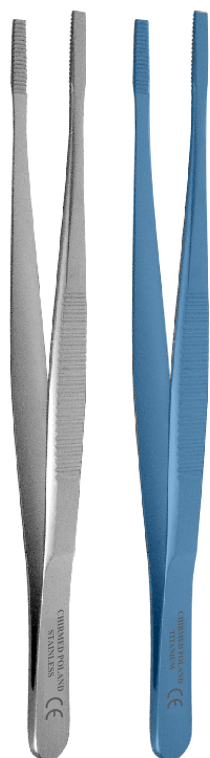
MIKRO-ADSON
 MK 39 MK 39/T
 120 mm (4 3/4")
TITANIUM



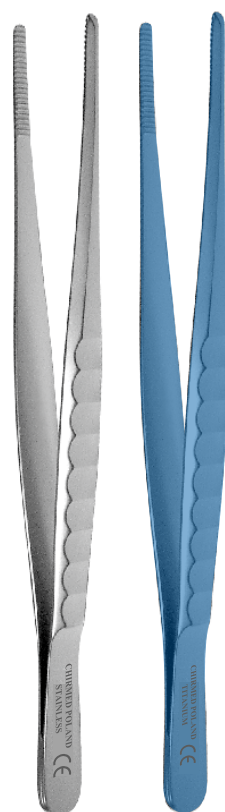
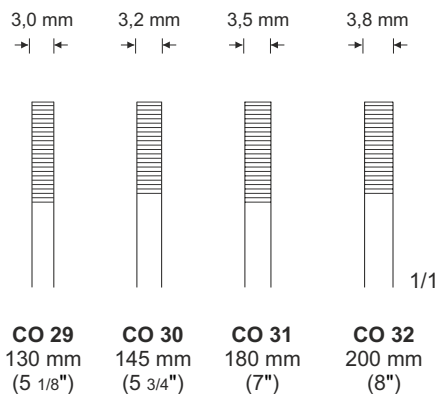
ADSON
 MK 52, MK 53 MK 52/T, MK 53/T
 150 mm (6")
TITANIUM



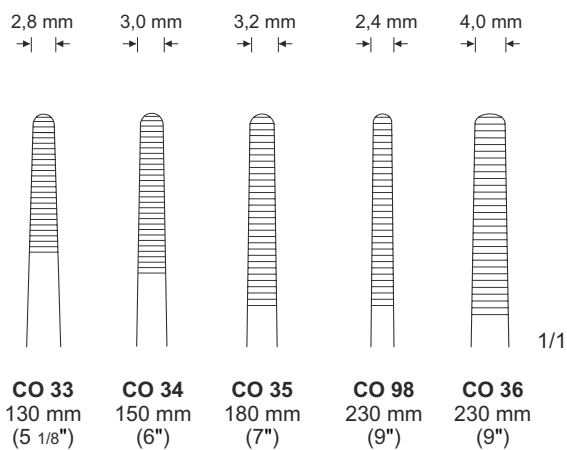
DOSTĘPNE RÓWNIEŻ W WERSJI TYTANOWEJ
AVAILABLE ALSO IN TITANIUM VERSION
ERREICHBAR AUCH IN TITAN TITANIUM
ТАКЖЕ ДОСТУПНЫ В ТИТАНЕ

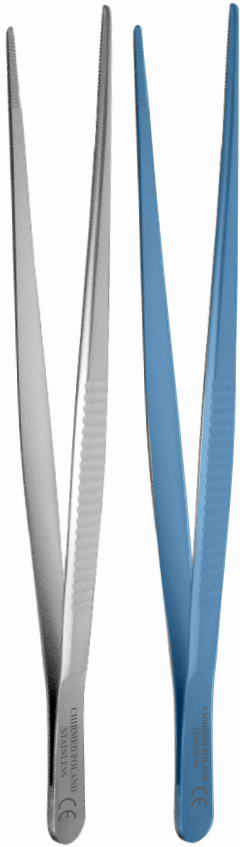


SWEDISH MODEL
CO 29 CO 29/T
TITANIUM

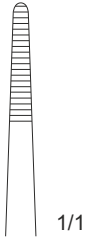


CO 33 CO 33/T
TITANIUM





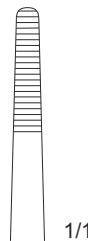
2,0 mm
→ ←



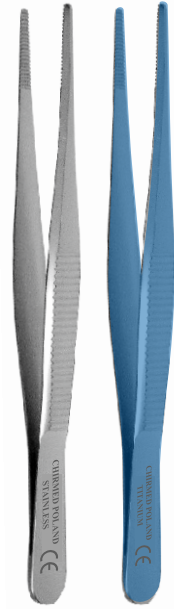
CO 37 CO 37/T
230 mm (9")
TITANIUM



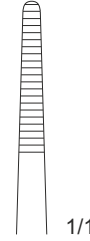
3,0 mm
→ ←



CO 38 CO 38/T
200 mm (8")
TITANIUM



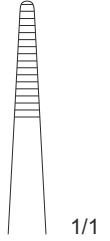
2,3 mm
→ ←



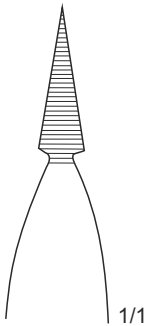
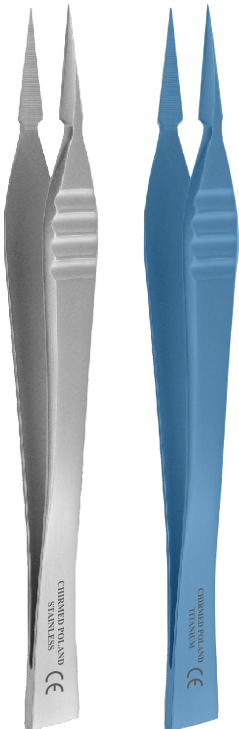
CO 39 CO 39/T
130 mm (5 1/8")
TITANIUM



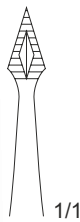
1,5 mm
→ ←



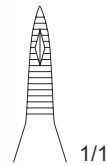
CO 40 CO 40/T
130 mm (5 1/8")
TITANIUM



CO 177 CO 177/T
130 mm (5 1/8")
TITANIUM



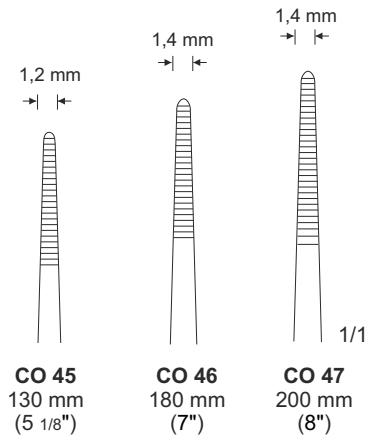
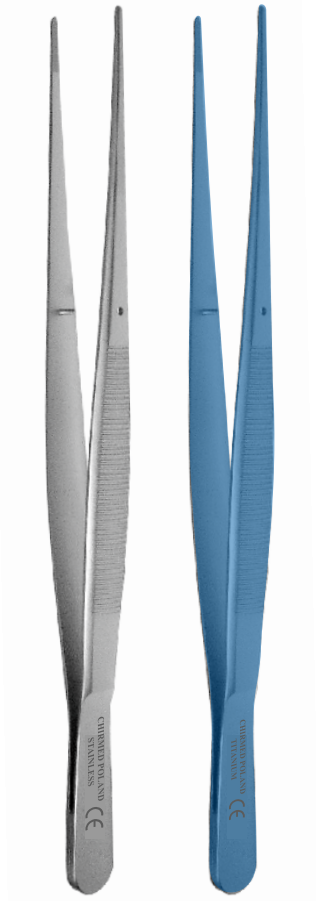
HUNTER
CO 41 CO 41/T
115 mm (4 1/2")
TITANIUM



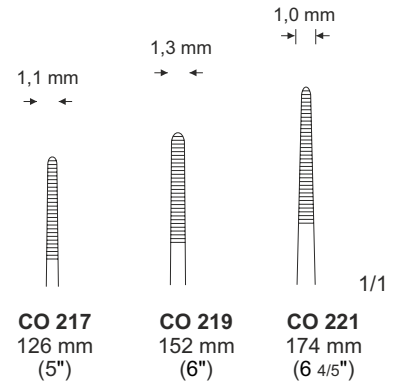
FEILCHENFELD
CO 42 CO 42/T
95 mm (3 1/2")
TITANIUM



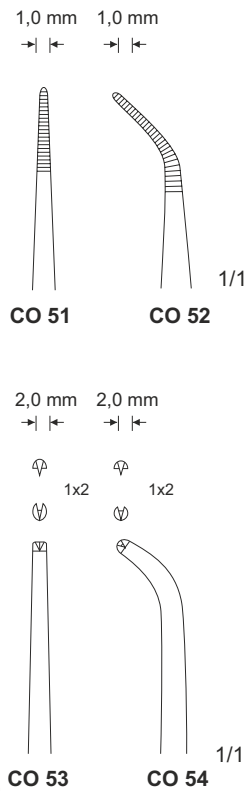
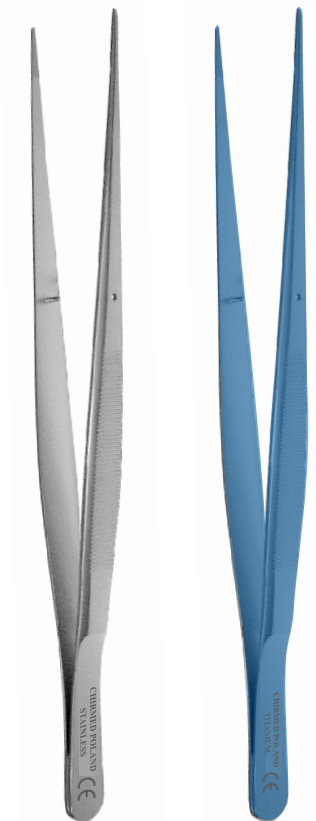
CO 97
85 mm (3 1/3")



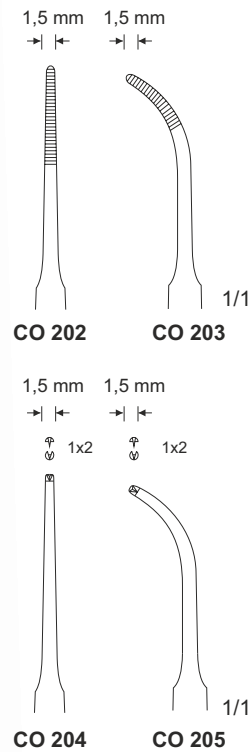
CUSHING
CO 45 - CO 47 CO 45/T - CO 47/T
TITANIUM



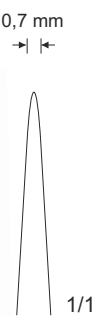
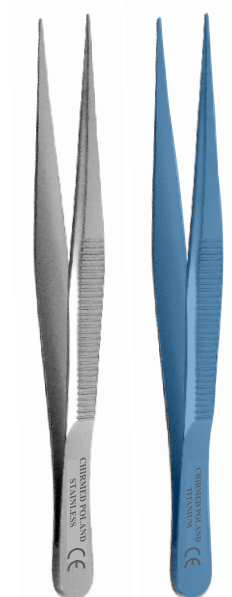
SEMKEN
CO 217 CO 217/T
CO 219 CO 219/T
CO 221 CO 221/T
TITANIUM



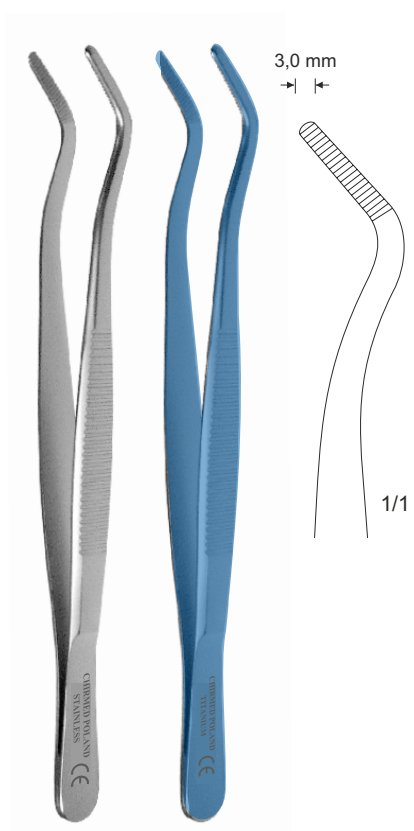
CO 51 - CO 54 CO 51/T - CO 54/T
200 mm (8")
TITANIUM



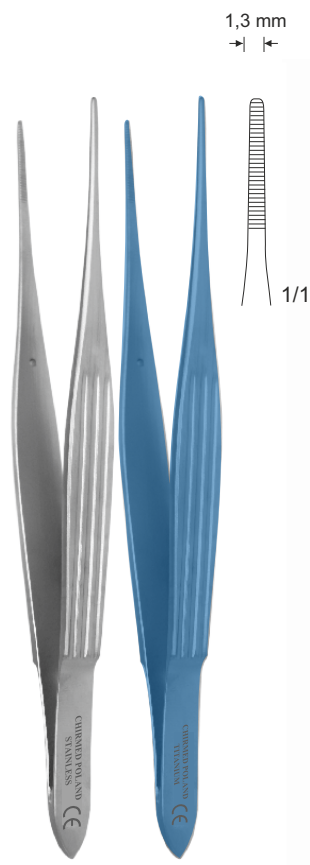
GERALD
CO 202 - CO 205 CO 202/T - CO 205/T
175 mm (7")
TITANIUM



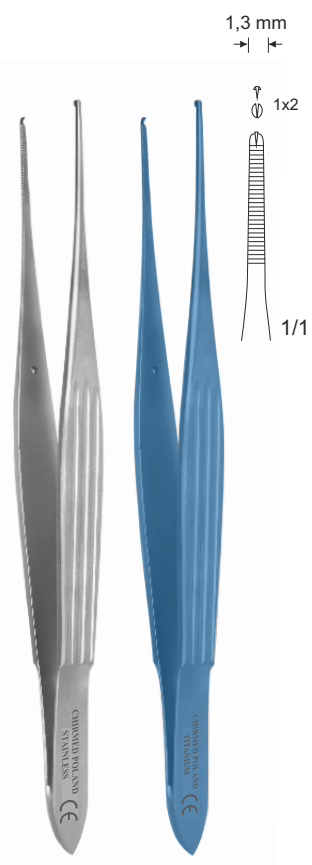
CO 217/A CO 217/A/T
100 mm (4")
TITANIUM



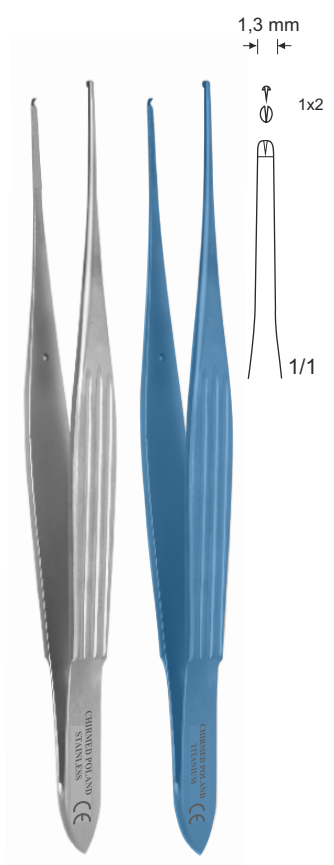
CO 226 CO 226/T 156 mm (6")
CO 227 CO 227/T 170 mm (7")
CO 228 CO 228/T 185 mm (7 1/4")
TITANIUM



MC INDOE
CO 307 CO 307/T
155 mm (6")
TITANIUM



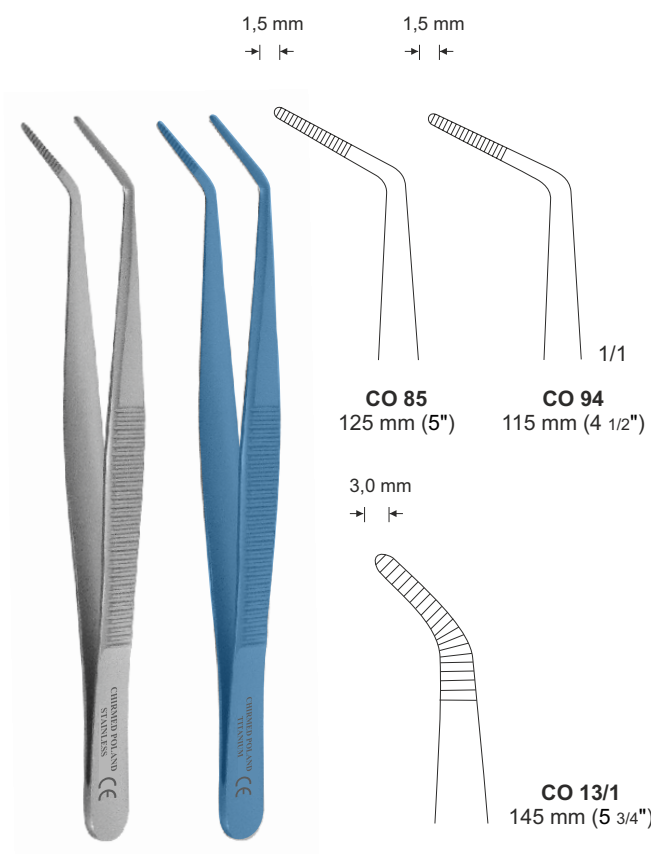
MC INDOE
CO 308 CO 308/T
155 mm (6")
TITANIUM



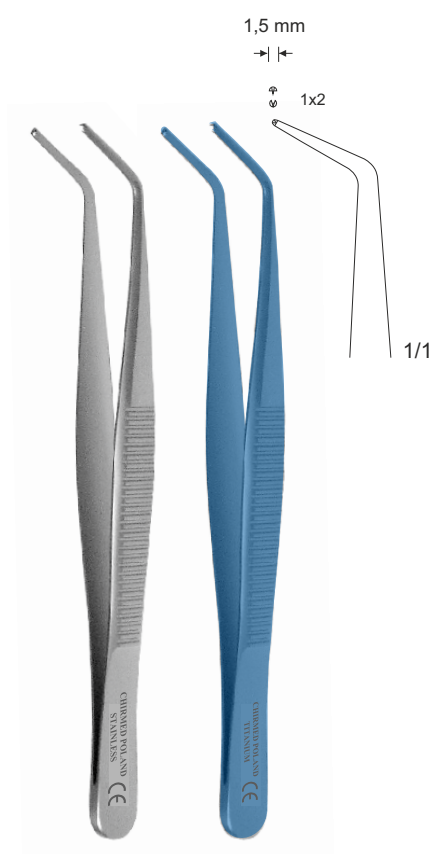
MC INDOE
CO 172 CO 172/T
160 mm (6 1/4")
TITANIUM



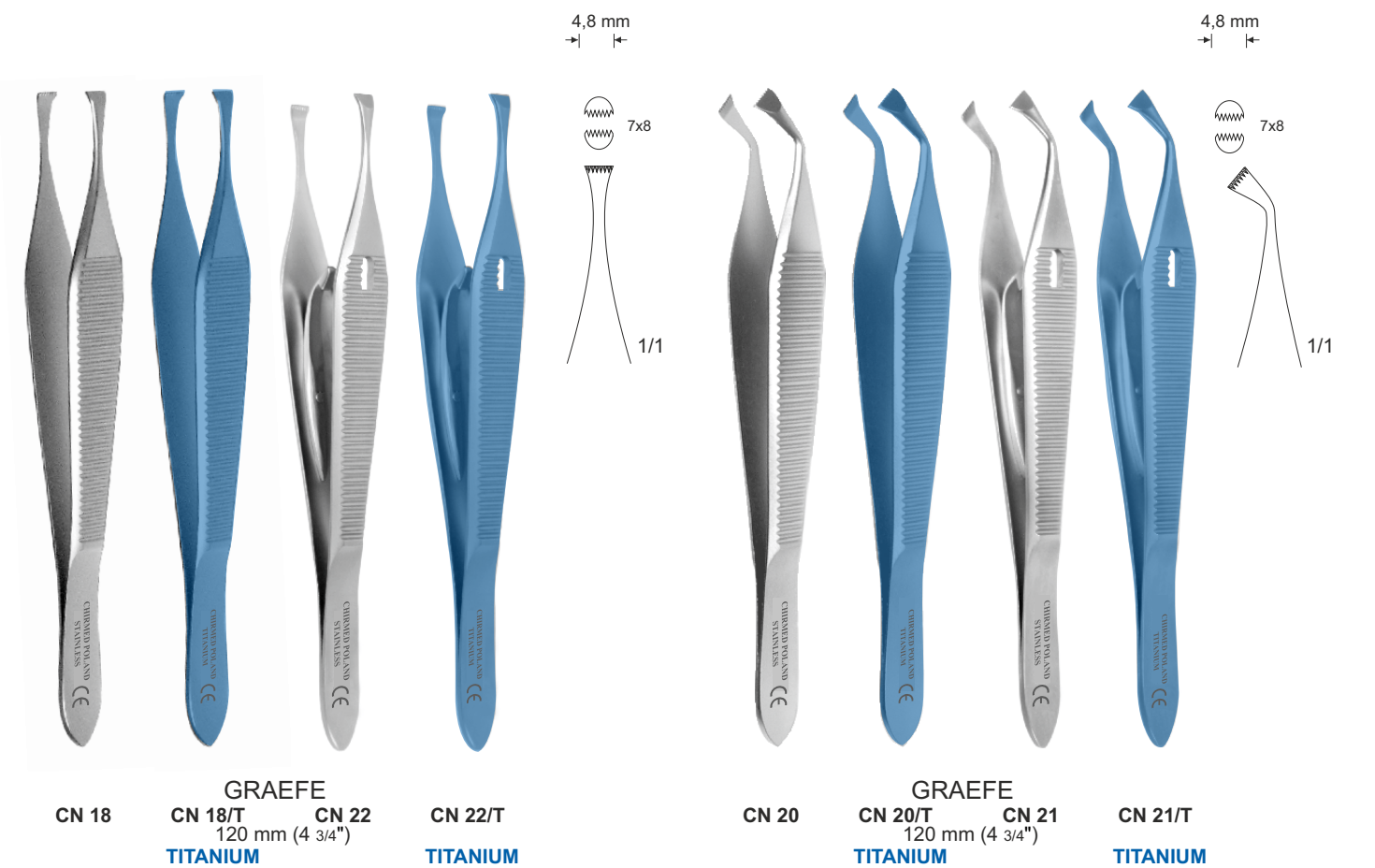
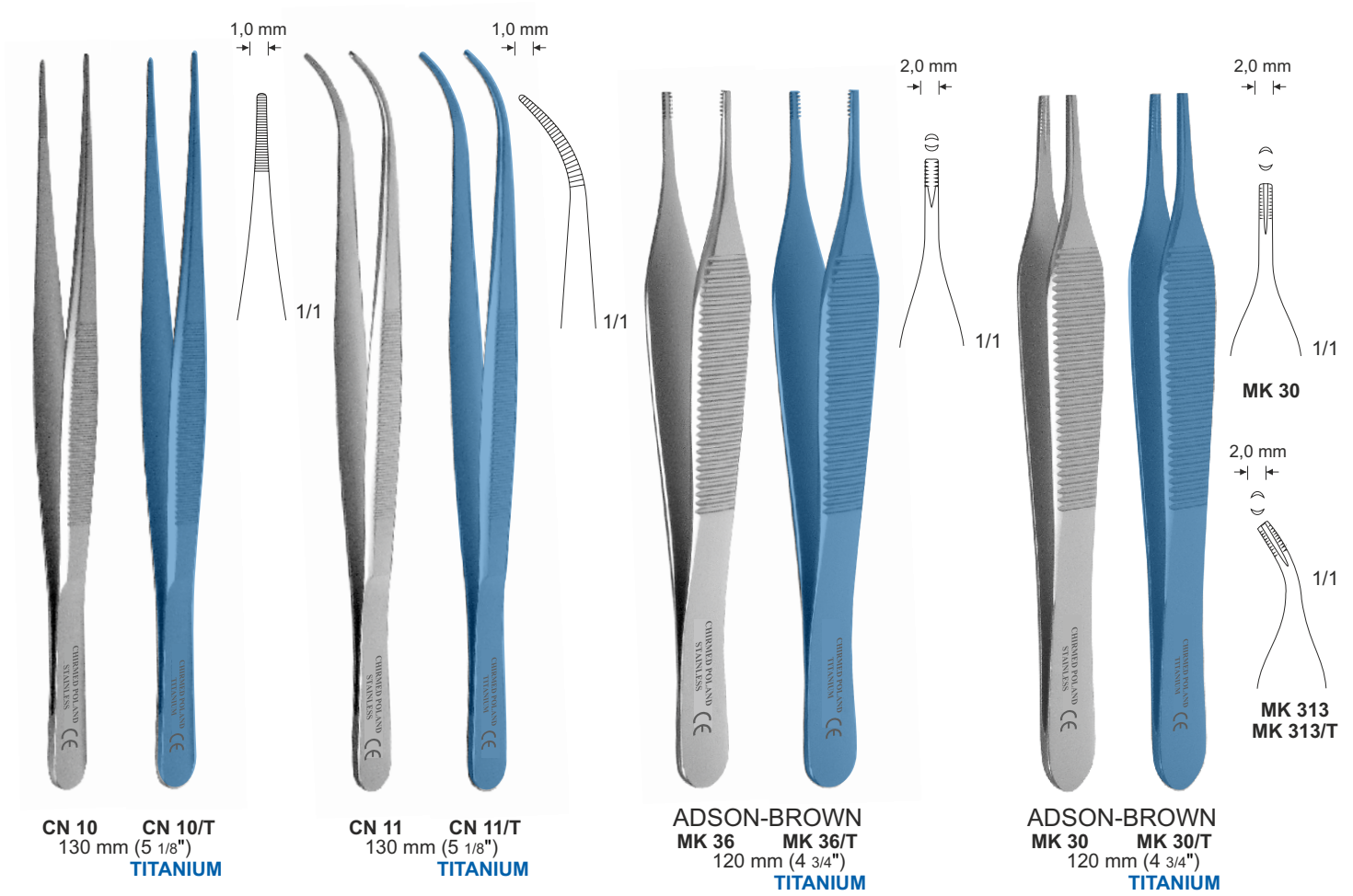
CO 307/TC
155 mm (6")

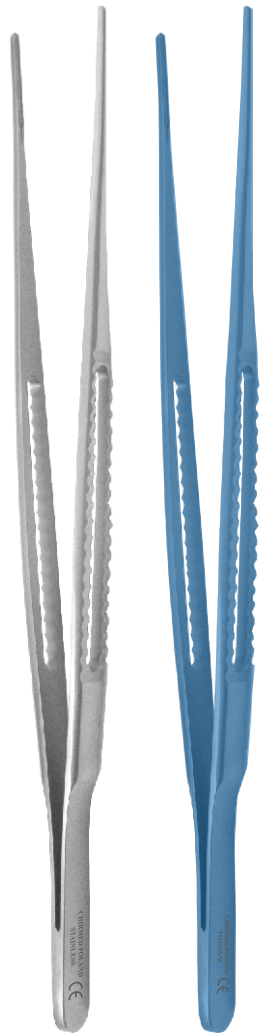


CO 85 CO 85/T
CO 94 CO 94/T
TITANIUM



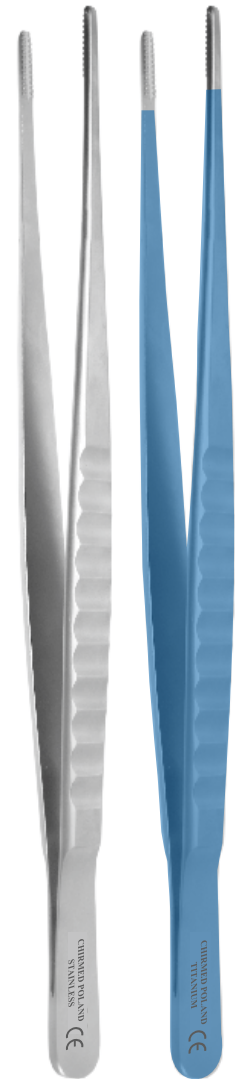
CO 86 CO 86/T
130 mm (5 1/8")
TITANIUM



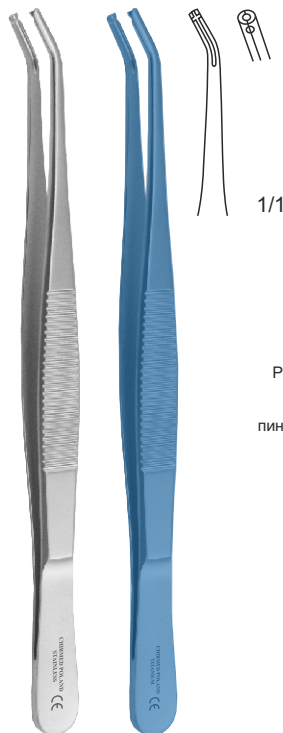


DE BAKEY
 CN 102 CN 102/T
 TITANIUM

Czubki Tips Spitzen Кончик	1,0 mm	2,0 mm
Długość Length (in) Länge Длина		
150 mm (6")	CN 100	
150 mm (6") TITANIUM	CN 100/T	
195 mm (7 3/4")	CN 101	CN 102
195 mm (7 3/4") TITANIUM	CN 101/T	CN 102/T
240 mm (9 3/4")	CN 103	CN 104
240 mm (9 3/4") TITANIUM	CN 103/T	CN 104/T
300 mm (12")		CN 105
300 mm (12") TITANIUM		CN 105/T

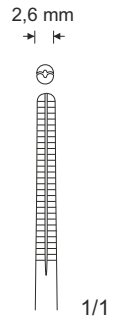


COOLEY
 CN 19 CN 19/T
 230 mm (9 3/4")
 TITANIUM



CN 108 CN 108/T
 145 mm (5 3/4")
 TITANIUM

Pinceta do zakładania zacisków
 Clamp applying forceps
 Anlegepinzette für Klemmen
 пинцет для установки терминалов



1/1

1/1

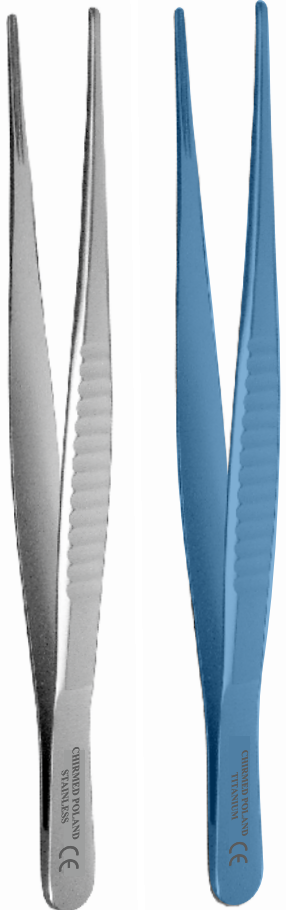


DE BAKEY
 CN 15/2
 CN 15/2/T
 TITANIUM

Czubki Tips Spitzen Кончик	1,0 mm	2,0 mm	3,0 mm	3,0 mm
	→ ←	→ ←	→ ←	→ ←
Długość Length (in) Länge Длина				
	150 mm (6")	150 mm (6")	195 mm (7 3/4")	240 mm (9 3/4")
	CN 14/1	CN 14/4	CN 14/8	
	150 mm (6") TITANIUM	150 mm (6") TITANIUM	195 mm (7 3/4") TITANIUM	240 mm (9 3/4") TITANIUM
	CN 14/1/T	CN 14/4/T	CN 14/8/T	
	195 mm (7 3/4")	195 mm (7 3/4")	240 mm (9 3/4")	305 mm (12 1/4")
	CN 15/2	CN 15/5	CN 15/9	
	195 mm (7 3/4") TITANIUM	195 mm (7 3/4") TITANIUM	240 mm (9 3/4") TITANIUM	305 mm (12 1/4") TITANIUM
	CN 15/2/T	CN 15/5/T	CN 15/9/T	
	240 mm (9 3/4")	240 mm (9 3/4")		305 mm (12 1/4")
	CN 15/3	CN 15/6		CN 15/10
	240 mm (9 3/4") TITANIUM	240 mm (9 3/4") TITANIUM		305 mm (12 1/4") TITANIUM
	CN 15/3/T	CN 15/6/T		CN 15/10/T
	305 mm (12 1/4")	305 mm (12 1/4")		
		CN 15/7	CN 15/11	
	305 mm (12 1/4") TITANIUM	CN 15/7/T	CN 15/11/T	

zweżany na czubkach
 tapered gradually
 an den Spitzen verjüngt
 конические на кончиках

1/1

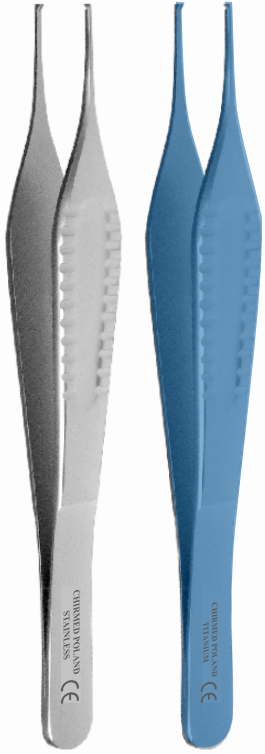
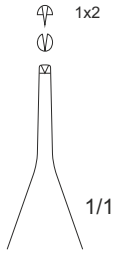


DE BAKEY STANDARD
 CN 15
 CN 15/T
 TITANIUM

Czubki Tips Spitzen Кончик	2,0 mm	2,0 mm	2,0 mm	2,0 mm
	→ ←	→ ←	→ ←	→ ←
Długość Length (in) Länge Длина				
	150 mm (6")	200 mm (8")	200 mm (8")	
	CN 14	CN 15	CN 16	CN 17
	150 mm (6") TITANIUM	200 mm (8") TITANIUM	200 mm (8") TITANIUM	
	CN 14/T	CN 15/T	CN 16/T	CN 17/T

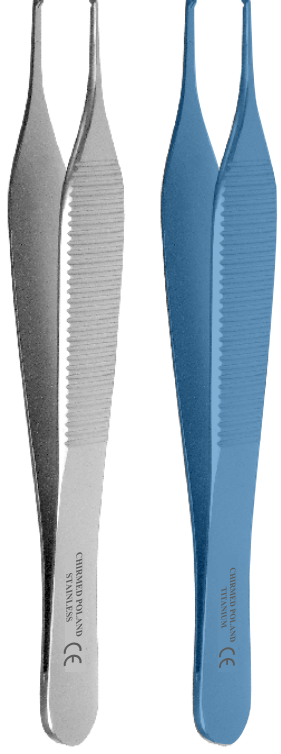
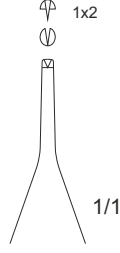
1/1

1,5 mm
 → | ←



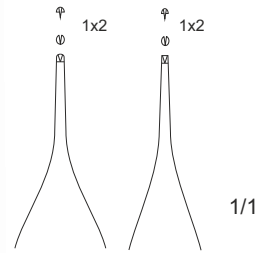
ADSON
MK 34 MK 34/T
 120 mm (4 3/4")
TITANIUM

1,0 mm
 → | ←



ADSON
MK 27 MK 27/T
 120 mm (4 3/4")
TITANIUM

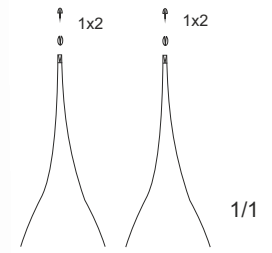
1,0 mm 0,8 mm
 → | ← → | ←



MIKRO-ADSON
MK 29, MK 41 MK 29/T, MK 41/T
 120 mm (4 3/4")
TITANIUM

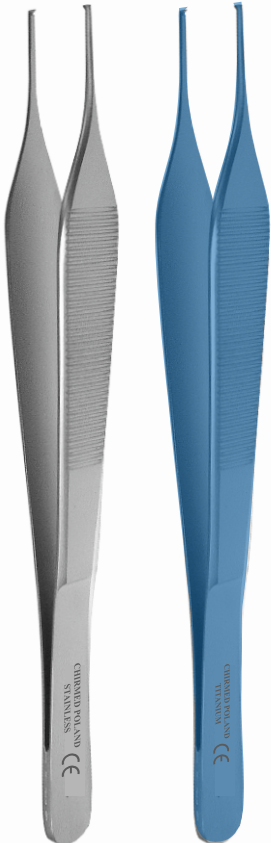
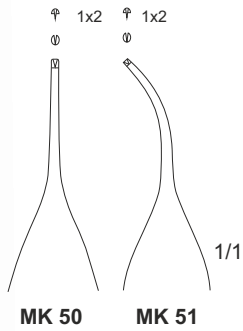
MK 29 MK 41

0,6 mm 0,6 mm
 → | ← → | ←



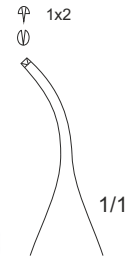
MK 230 MK 310
 105 mm
 (4 1/8")

0,8 mm 0,8 mm
 → | ← → | ←



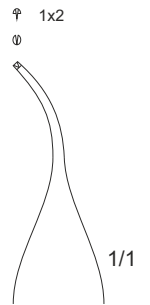
ADSON
MK 50, MK 51 MK 50/T, MK 51/T
 150 mm (6")
TITANIUM

1,2 mm
 → | ←

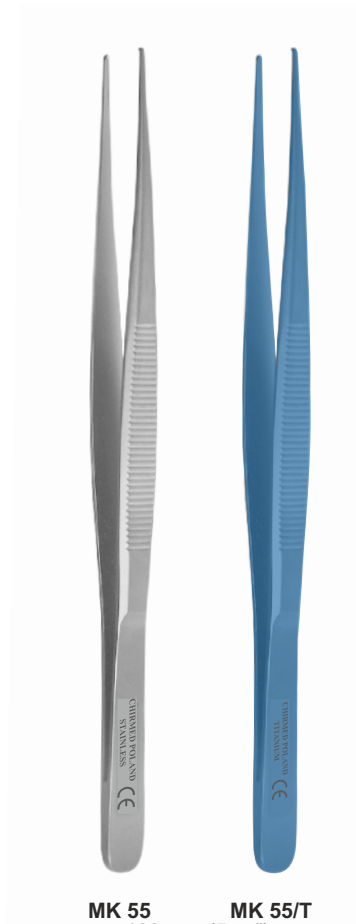


ADSON
MK 57 MK 57/T
 120 mm (4 3/4")
TITANIUM

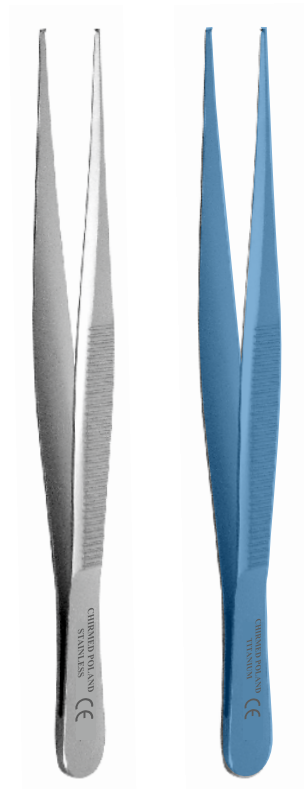
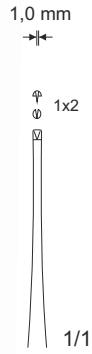
0,6 mm
 → | ←



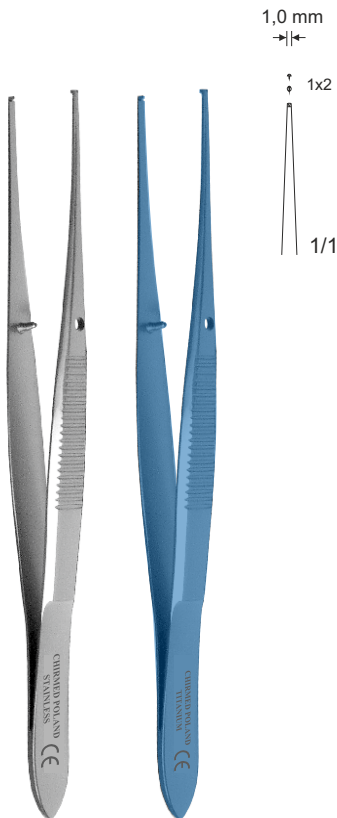
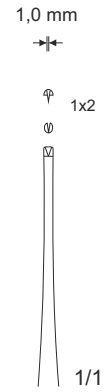
MIKRO-ADSON
MK 40 MK 40/T
 120 mm (4 3/4")
TITANIUM



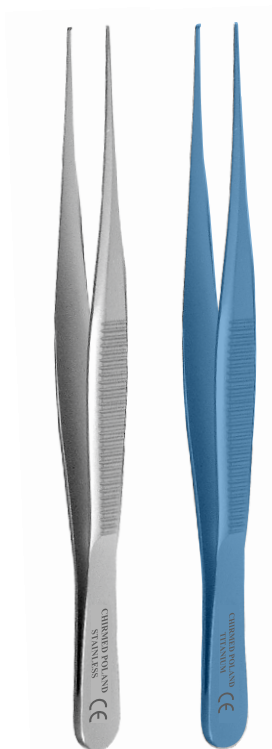
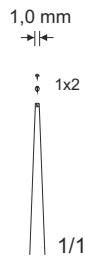
MK 55 **MK 55/T**
130 mm (5 1/8")
TITANIUM



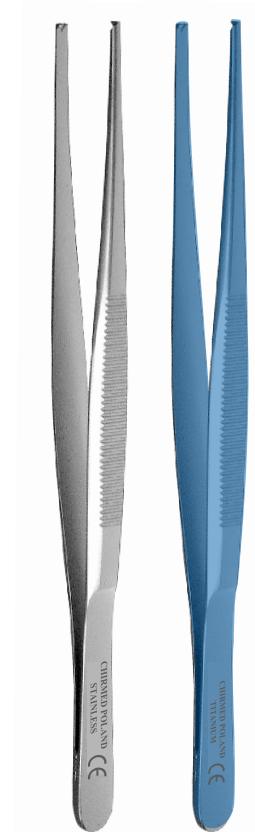
MK 31 **MK 31/T**
110 mm (4 3/8")
TITANIUM



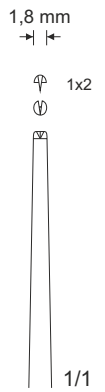
OK 23 **OK 23/T**
100 mm (4")
TITANIUM

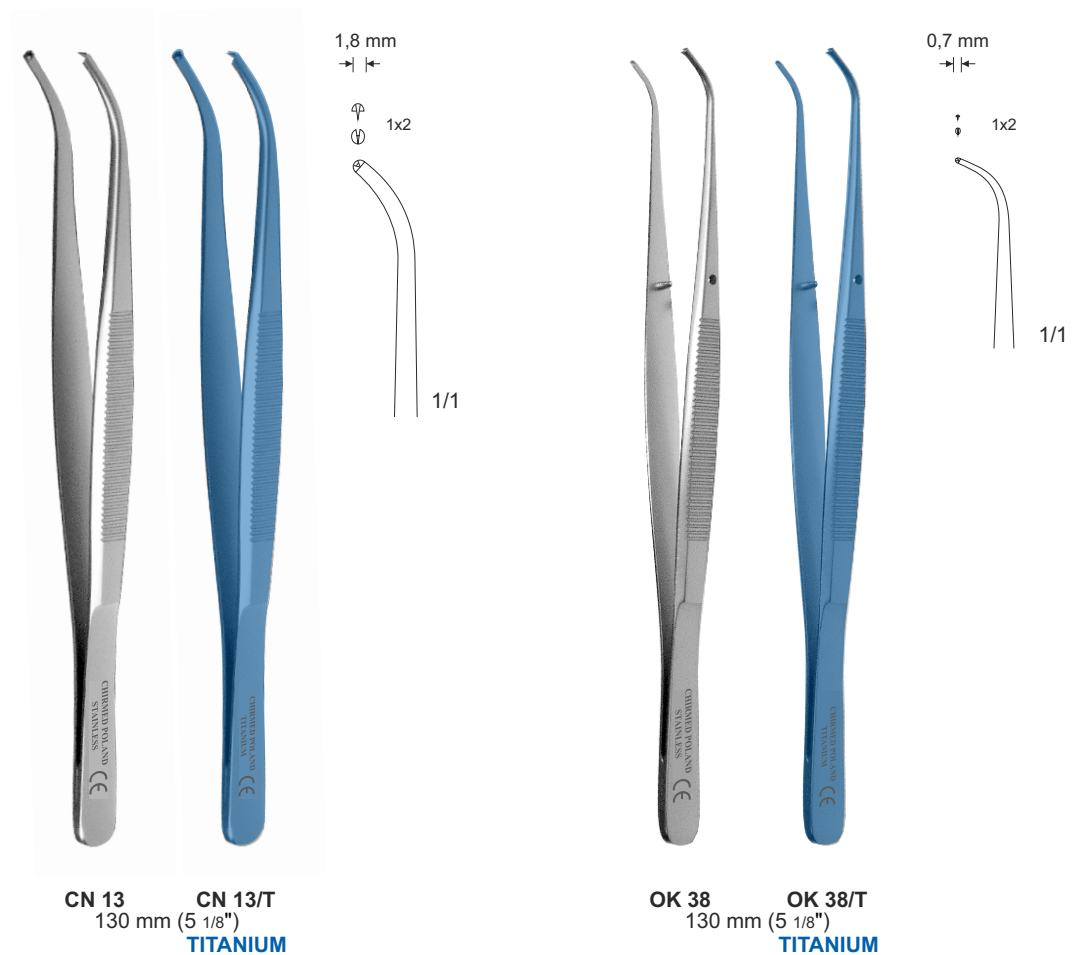
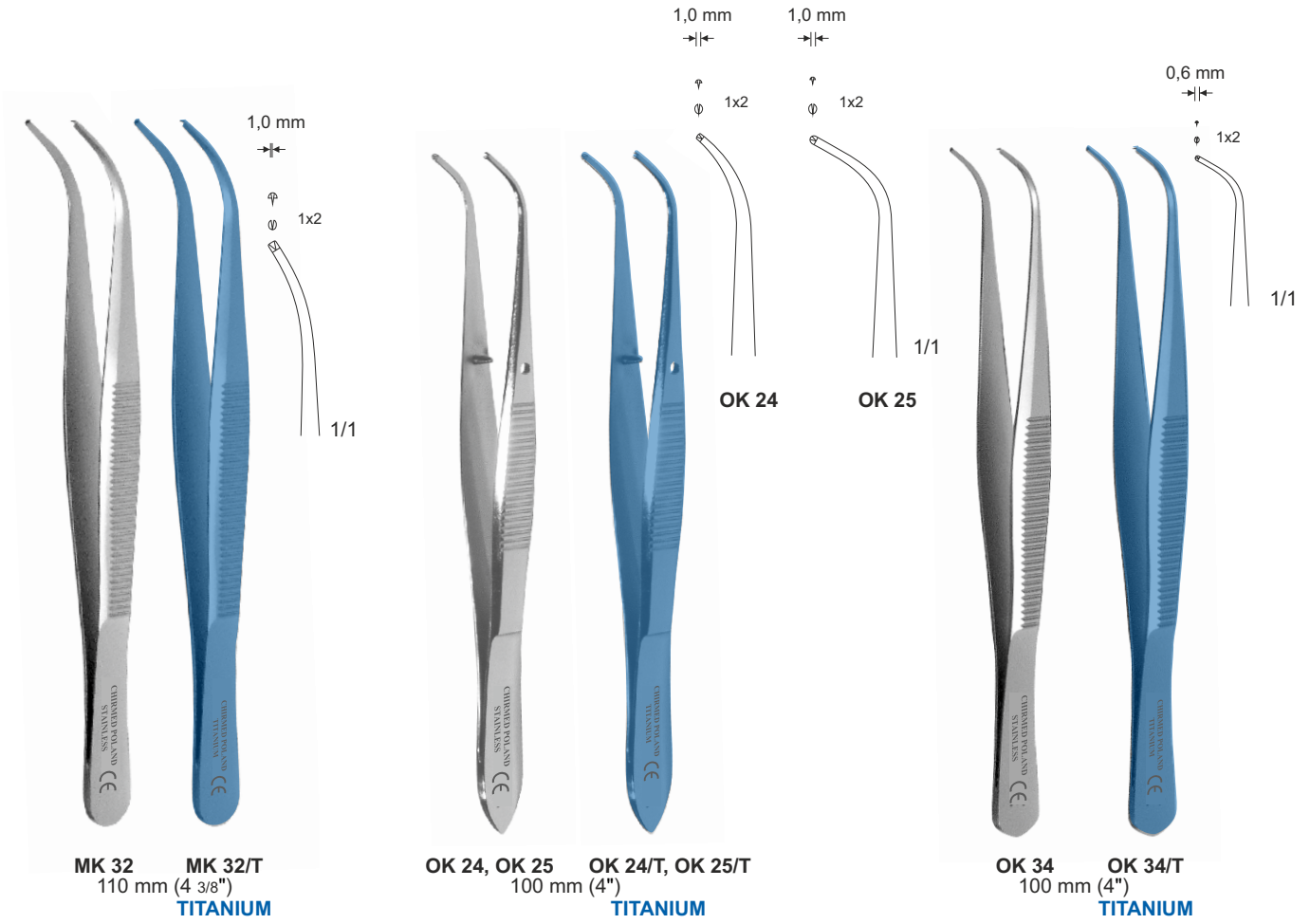


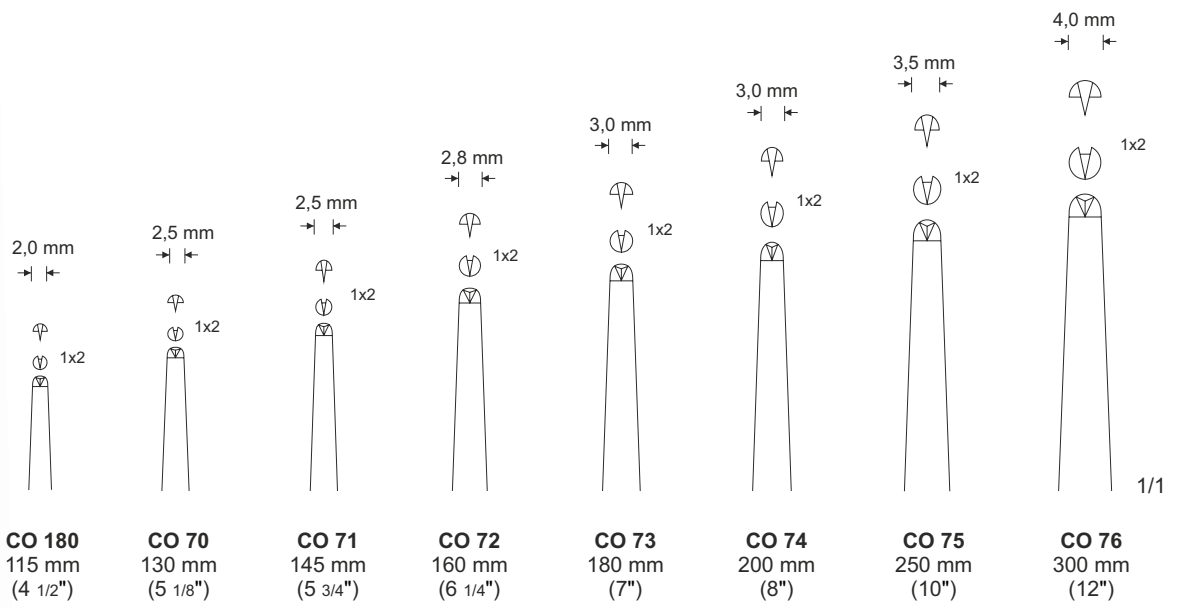
OK 33 **OK 33/T**
100 mm (4")
TITANIUM



CN 12 **CN 12/T**
130 mm (5 1/8")
TITANIUM

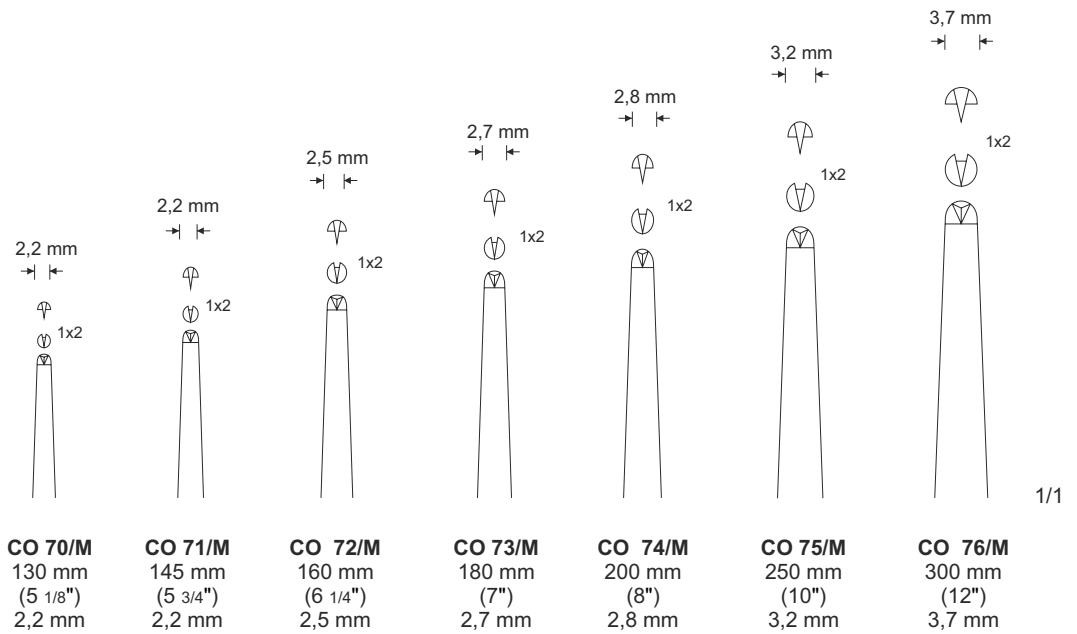
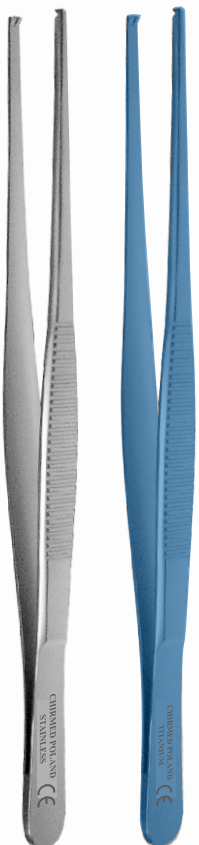






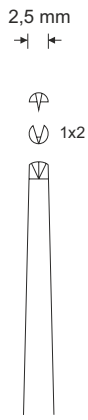
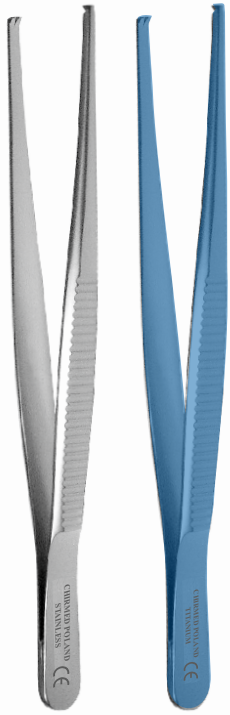
STANDARD
CO 72 CO 72/T
160 mm (6 1/4")

TITANIUM

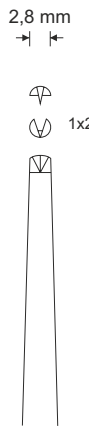


MEDIUM
CO 72/M CO 72/M/T
160 mm (6 1/4")

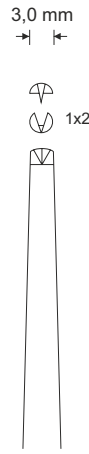
TITANIUM



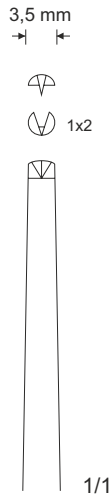
CO 81
130 mm
(5 1/8")



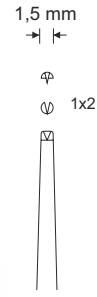
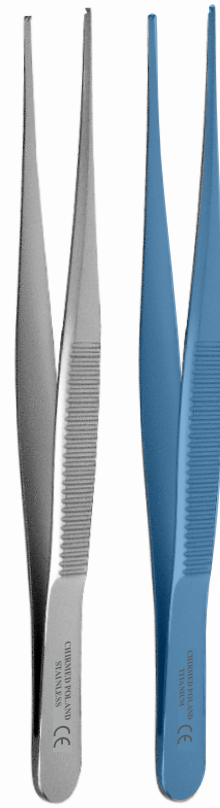
CO 82
150 mm
(6")



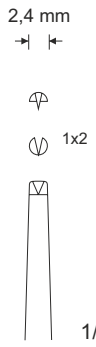
CO 83
180 mm
(7")



CO 93
230 mm
(9")



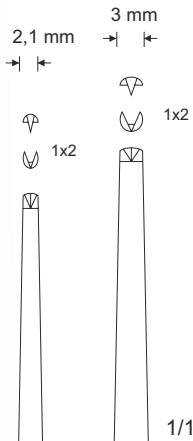
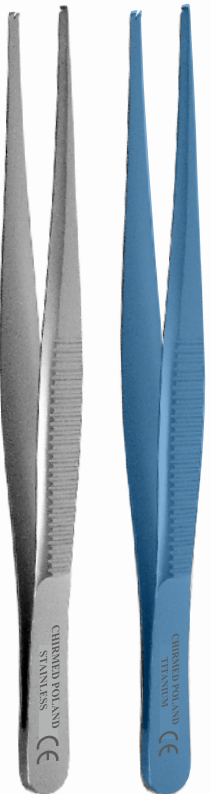
CO 43
130 mm
(5 1/8")



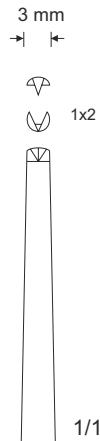
CO 44
180 mm
(7")

CO 82 **CO 82/T**
150 mm (6")
TITANIUM

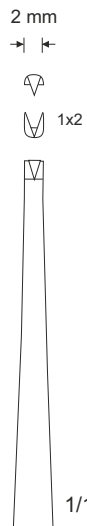
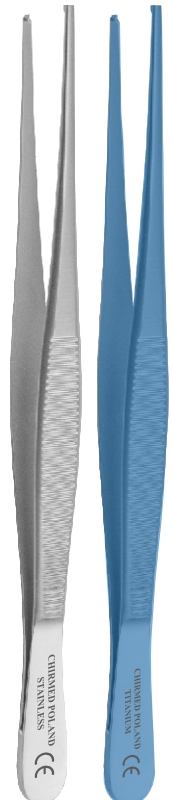
CO 44 **CO 44/T**
180 mm (7")
TITANIUM



CO 87
130 mm
(5 1/8")



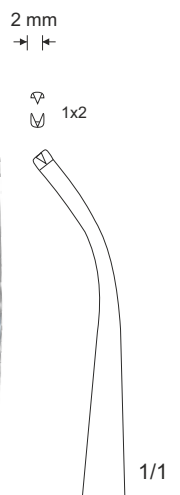
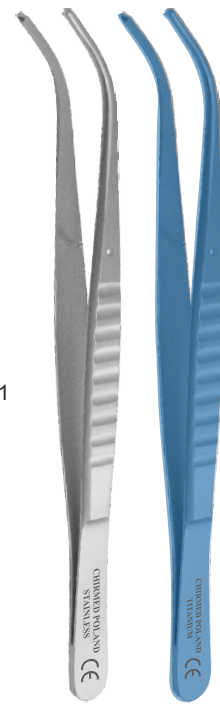
CO 88
180 mm
(7")



CO 171 **CO 171/T**
180 mm (7")
TITANIUM



CO 178 **CO 178/T**
165 mm (6 1/2")
TITANIUM



CO 179 **CO 179/T**
165 mm (6 1/2")
TITANIUM

CO 48
130 mm (5 1/8")
1,2 mm
1x2
1/1

CO 49
180 mm (7 1/8")
1,4 mm
1x2
1/1

CO 50
200 mm (8")
1,4 mm
1x2
1/1

CO 218
126 mm (5")
1,1 mm
1x2

CO 220
152 mm (6")
1,3 mm
1x2

CO 222
175 mm (7")
1,0 mm
1x2

CO 80
145 mm (5 3/4")
5,0 mm
4x5
1/1

CO 80/T
145 mm (5 3/4")
5,0 mm
3x4

CO 84
145 mm (5 3/4")
5,0 mm
1/1

CO 84/T
145 mm (5 3/4")
5,0 mm
1/1

WAUGH
CO 48 **CO 48/T**
130 mm (5 1/8")
TITANIUM

SEMKEN
CO 218 **CO 218/T**
126 mm (5")
TITANIUM

CO 80 **CO 80/T**
145 mm (5 3/4")
TITANIUM

CO 84 **CO 84/T**
145 mm (5 3/4")
TITANIUM

CO 95
145 mm (5 3/4")
3,2 mm
2x3

CO 184
200 mm (8")
4,0 mm
2x3

CO 185
250 mm (10")
4,6 mm
2x3

CO 186 **CO 186/T**
150 mm (6")
1,8 mm
2x3
MEDIUM
TITANIUM

CO 77
145 mm (5 3/4")
4,0 mm
3x4

CO 78
200 mm (8")
4,8 mm
3x4

CO 79
250 mm (10")
4,8 mm
3x4
1/1

CO 95 **CO 95/T**
145 mm (5 3/4")
TITANIUM

SEMKEN
CO 186 **CO 186/T**
150 mm (6")
TITANIUM

CO 77 **CO 77/T**
145 mm (5 3/4")
TITANIUM



FL 10
100 mm (4")



FL 11
100 mm (4")



FL 12
120 mm (4 3/4")



FL 13
120 mm (4 3/4")



FL 14
150 mm (6")



FL 15
120 mm (4 3/4")



FL 16
110 mm (4 1/2")



EN 01
120 mm (4 3/4")



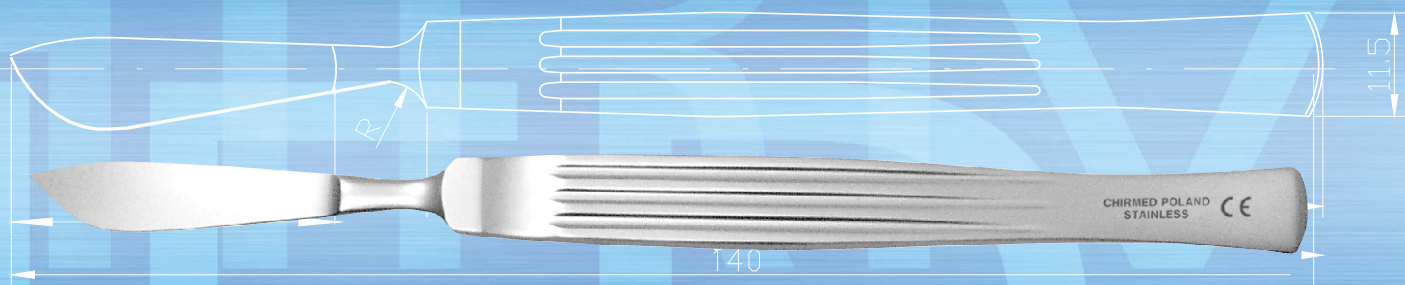
EN 02
120 mm (4 3/4")



EN 03
100 mm (4")

CHIRMED®

Skalpele, nože
Scalpels, Knives
Skalpelle, Messer
Скальпели, Ножи



from IDEA to SOLUTION



IDENTYFIKACJA:
IDENTIFICATION:
IDENTIFIKATION:
ИДЕНТИФИКАЦИЯ:

(B) brzuszysty
bulging
bauchig
брюшистый

(S) szpiczasty
pointed
spitz
заостренный



CO 108
20 mm
120 mm
(B)



CO 109
25 mm
125 mm
(B)



CO 110
30 mm
130 mm
(B)



CO 111
20 mm
120 mm
(S)



CO 112
25 mm
125 mm
(S)



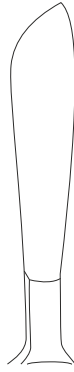
CO 113
30 mm
130 mm
(S)



1/1



CO 114-A
40 mm
148 mm
(B)



CO 114-B
40 mm
148 mm
(S)

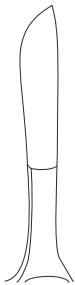
1/1

CO 108 - CO 113

BERGMAN
CO 114-A - CO 114-B
148 mm (5 3/4")



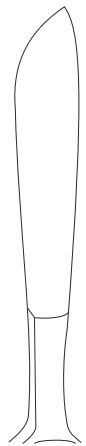
CO 100
20 mm
140 mm
(B)



CO 101
30 mm
150 mm
(B)



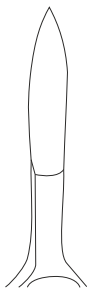
CO 102
40 mm
160 mm
(B)



CO 103
50 mm
175 mm
(B)



CO 104
20 mm
140 mm
(S)



CO 105
30 mm
150 mm
(S)



CO 106
40 mm
160 mm
(S)



CO 107
50 mm
175 mm
(S)



1/1

CO 100 - CO 107

CO 119
290 mm (11 1/2")
długość ostrza 160 mm
length of blade 160 mm
Klingenlänge 160 mm
длина лезвия 160 mm

CO 120
325 mm (12 3/4")
długość ostrza 220 mm
length of blade 220 mm
Klingenlänge 220 mm
длина лезвия 220 mm

długość ostrza 90 mm
length of blade 90 mm
Klingenlänge 90 mm
длина лезвия 90 mm



CO 118
205 mm (8 1/8")



**LISTON
CO 119**
290 mm (11 1/2")



**VIRCHOW
CO 306**
385 mm (15")

**VIRCHOW
CO 306**
385 mm (15")
długość ostrza 240 mm
length of blade 240 mm
Klingenlänge 240 mm
длина лезвия 240 mm



**LANGENBECK
CO 121 - CO 122**
180 mm (7")



CO 121
50 mm
(B)



CO 122
50 mm
(S)

1/1



1/1

CO 116
205 mm (8 1/8")



1/1

CO 116-A
205 mm (8 1/8")



1/1

ST 1902
165 mm (6 1/2")

CHIRMED®

Nożyczki chirurgiczne
Surgical Scissors
Chirurgische Scheren
Хирургические ножницы



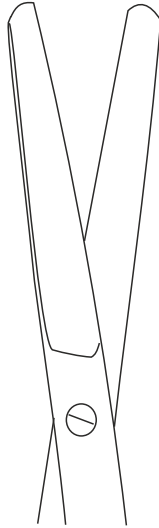
from IDEA to SOLUTION



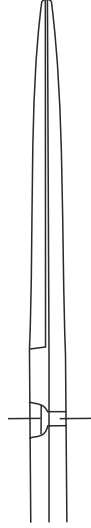
IDENTYFIKACJA: (T/T) tępo/tępe (T/O) tępo/ostre (T/O) ostre/ostre
IDENTIFICATION: blunt/blunt blunt/pointed pointed/pointed
IDENTIFIKATION: stumpf/stumpf stumpf/spitz spitz/spitz
ИДЕНТИФИКАЦИЯ: тупой/тупой тупой/острый острый/острый



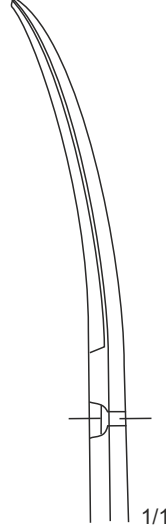
STANDARD



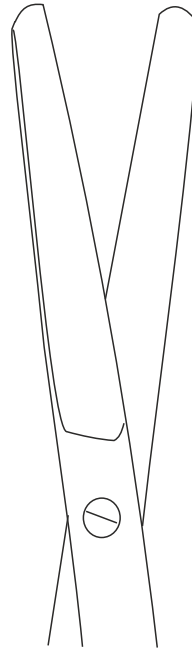
CO 212
130 mm (5 1/8")
(T/T)



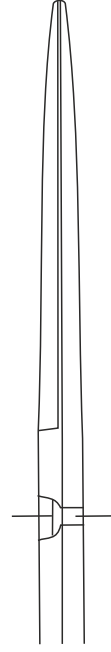
CO 213
130 mm (5 1/8")
(T/T)



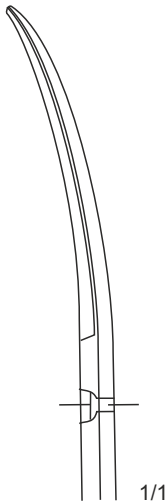
CO 89
165 mm (6 1/2")
(T/T)



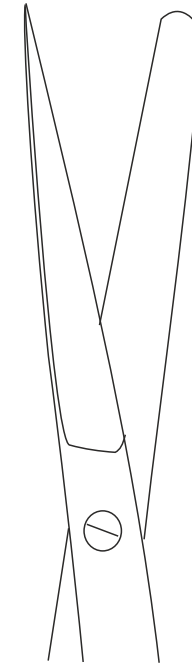
CO 211
165 mm (6 1/2")
(T/T)



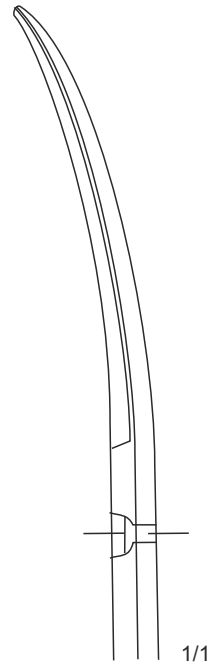
CO 215
130 mm (5 1/8")
(T/O)



CO 216
130 mm (5 1/8")
(T/O)



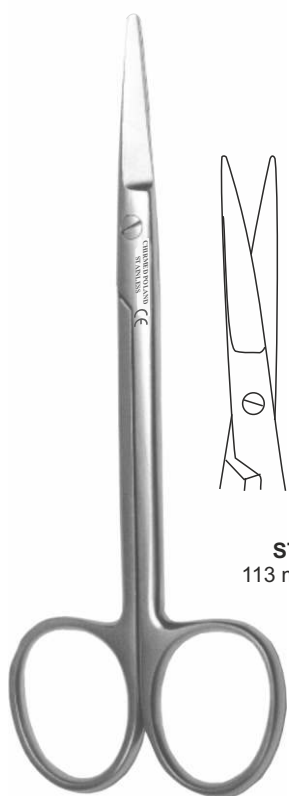
CO 90
165 mm (6 1/2")
(T/O)



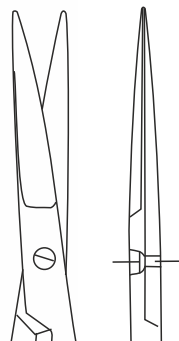
CO 214
165 mm (6 1/2")
(T/O)



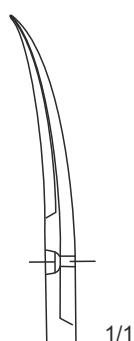
STANDARD



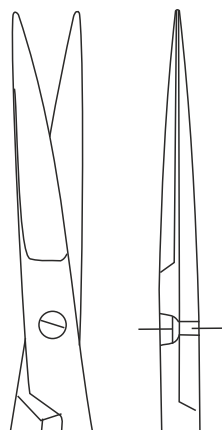
IRIS



ST 2071
113 mm (4 3/8")
(T/T)



ST 2072
113 mm (4 3/8")
(T/T)



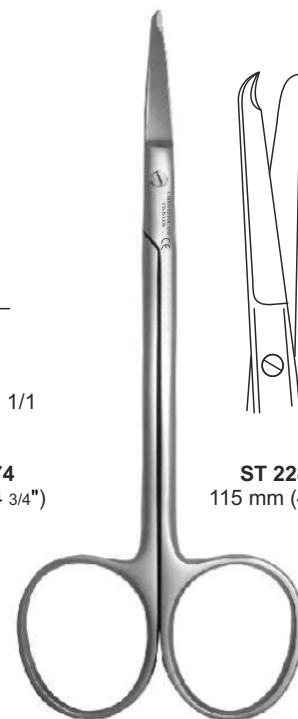
ST 2073
118 mm (4 3/4")
(T/T)



ST 2074
118 mm (4 3/4")
(T/T)



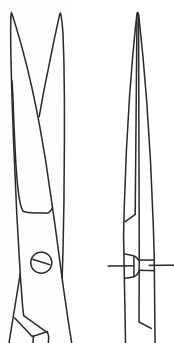
ST 2286
115 mm (4 1/2")



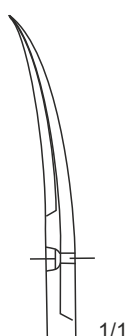
SPENCER



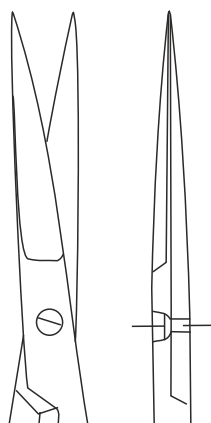
IRIS



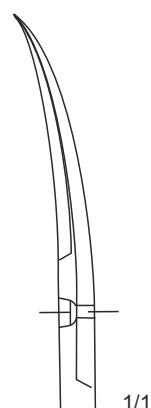
ST 2014
115 mm (4 3/8")
(O/O)



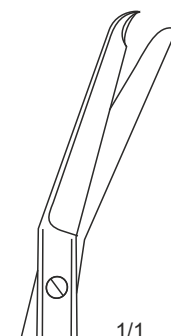
ST 2015
115 mm (4 3/8")
(O/O)



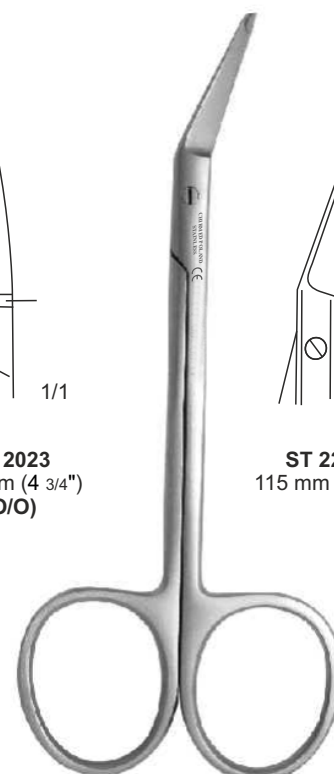
ST 2022
120 mm (4 3/4")
(O/O)



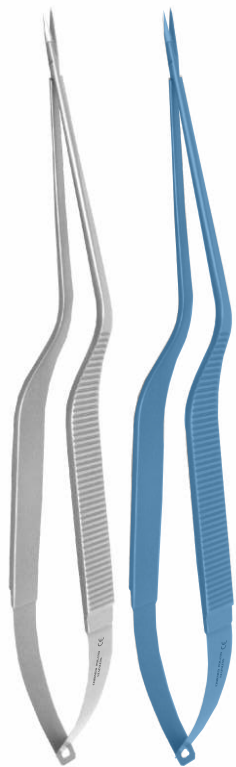
ST 2023
120 mm (4 3/4")
(O/O)



ST 2287
115 mm (4 1/2")



SPENCER



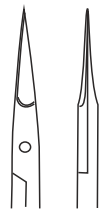
MK 210 **MK 210/T**
TITANIUM

Ostrze
Blade
Schneide
Край

Długość całkowita
Total Length (in)
Gesamtlänge
Общая длина

220 mm (8 3/4")
(O/O)

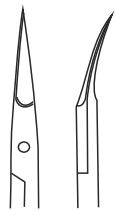
220 mm (8 3/4")
(O/O)
TITANIUM



STANDARD



MK 212

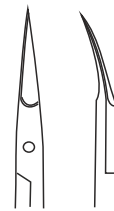


STANDARD

MK 211



MK 213



STANDARD

MK 214

1/1

Ostrze
Blade
Schneide
Край

Długość całkowita
Total Length (in)
Gesamtlänge
Общая длина

160 mm (6 1/3")

160 mm (6 1/3")
TITANIUM

180 mm (7")

180 mm (7")
TITANIUM



MK 329

MK 329/T

MK 330

MK 330/T



MK 320

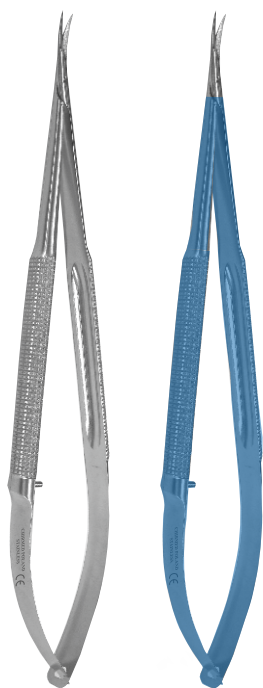
MK 320/T

MK 321

MK 321/T



MK 329 **MK 329/T**
160 mm (6 1/3")
TITANIUM



STREAMLINE
MK 316 **MK 316/T**
178 mm (7")
TITANIUM

Ostrze
Blade
Schneide
Край

Długość całkowita
Total Length (in)
Gesamtlänge
Общая длина

178 mm (7")

178 mm (7")
TITANIUM



MK 316

MK 316/T



MK 317

MK 317/T

Ostrze
Blade
Schneide
Край

Długość całkowita
Total Length (in)
Gesamtlänge
Общая длина

150 mm (6")

150 mm (6")
TITANIUM



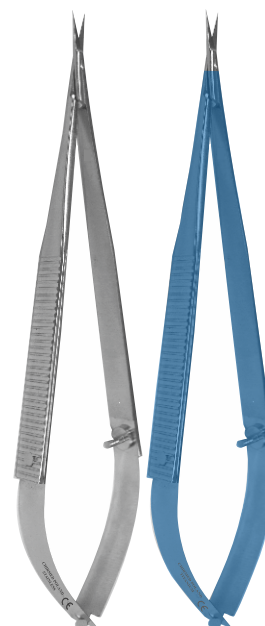
MK 325

MK 325/T



MK 326

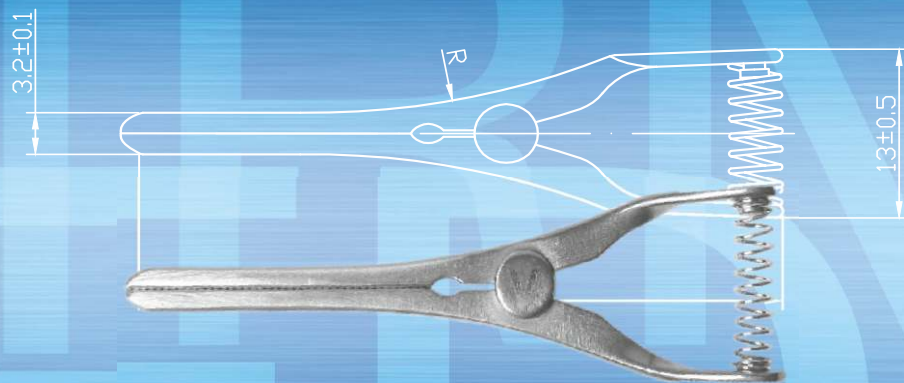
MK 326/T



MK 326 **MK 326/T**
150 mm (6")
TITANIUM

CHIRMED®

Zaciski naczyniowe
Bulldog clamps
Bulldogklemmen
Сосудистые зажимы типа «бульдог»



from IDEA to SOLUTION





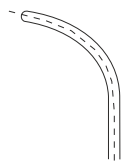
1/1

WELDON MINIATURE
CN 81



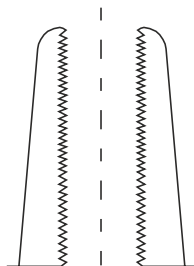
prosty
straight
gerade
просто́й

CN 80



odgięty
curved
gebogen
отогну́тые

CN 81



Nr Kat.
Cat. Ref.
Katalognummer
каталожный номер

CN 80

CN 81

Długość całkowita
Total length
Gesamtlänge
общая длина

33 mm

31 mm

Długość szczęk
Length of jaws
Maullänge
длина челюсти

13,8 mm

IDENTYFIKACJA:
IDENTIFICATION:
IDENTIFIKATION:
ИДЕНТИФИКАЦИЯ:

V(Vena) niska siła zwierania
low pressure
schwacher Druk
маломощный короткое замыкание

A(Arteria) wysoka siła zwierania
high pressure
starker Druk
закрытие высокая прочность



CN 40



CN 40/T
TITANIUM



szczęki proste
straight jaws
gerades Maul
челюсти простой

IDENTYFIKACJA:
IDENTIFICATION:
IDENTIFIKATION:
ИДЕНТИФИКАЦИЯ:

V (Vena)

A (Arteria)

V (Vena)

A (Arteria)

V (Vena)

A (Arteria)

V (Vena)

A (Arteria)

Nr Kat.
Cat. Ref.
Katalognummer
каталожный номер

CN 40
CN 40/T

CN 41
CN 41/T

CN 42
CN 42/T

CN 43
CN 43/T

CN 44
CN 44/T

CN 45
CN 45/T

CN 46
CN 46/T

CN 47
CN 47/T

Długość całkowita
Total length
Gesamtlänge
общая длина

30 mm

35 mm

40 mm

50 mm

Długość szczęk
Length of jaws
Maullänge
длина челюсти

9 mm

13 mm

14 mm

23 mm

Siła otwarcia
Opening pressure
Schließdruck
отверстия прочность

110-150 g

220-280g

110-150 g

220-280g

110-150 g

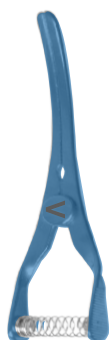
220-280g

110-150 g

220-280g



CN 52



CN 52/T
TITANIUM



szczęki lekko odgiete
slightly curved jaws
leicht gebogenes Maul
челюсть слегка согнута

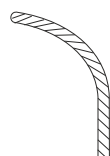
IDENTYFIKACJA: IDENTIFICATION: ИДЕНТИФИКАЦИЯ:	V (Vena)	A (Arteria)	V (Vena)	A (Arteria)	V (Vena)	A (Arteria)	V (Vena)	A (Arteria)
Nr Kat. Cat. Ref. Katalognummer каталожный номер	CN 48 CN 48/T	CN 49 CN 49/T	CN 50 CN 50/T	CN 51 CN 51/T	CN 52 CN 52/T	CN 53 CN 53/T	CN 54 CN 54/T	CN 55 CN 55/T
Długość całkowita Total length Gesamtlänge общая длина	30 mm		35 mm		40 mm		48 mm	
Długość szczęk Length of jaws Maullänge длина челюсти	9 mm		13 mm		14 mm		22 mm	
Siła otwarcia Opening pressure Schließdruck отверстия прочность	110-150 g	220-280g	110-150 g	220-280g	110-150 g	220-280g	110-150 g	220-280g



CN 60

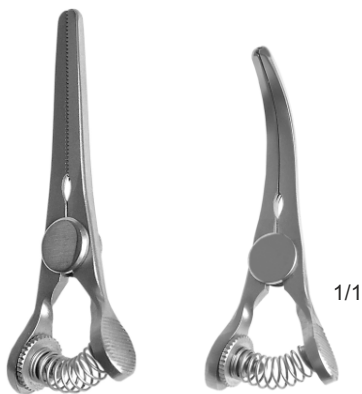


CN 60/T
TITANIUM



szczęki mocno odgiete
curved jaws
stark gebogenes Maul
челюсти плотно скручена

IDENTYFIKACJA: IDENTIFICATION: ИДЕНТИФИКАЦИЯ:	V (Vena)	A (Arteria)	V (Vena)	A (Arteria)	V (Vena)	A (Arteria)	V (Vena)	A (Arteria)
Nr Kat. Cat. Ref. Katalognummer каталожный номер	CN 56 CN 56/T	CN 57 CN 57/T	CN 58 CN 58/T	CN 59 CN 59/T	CN 60 CN 60/T	CN 61 CN 61/T	CN 62 CN 62/T	CN 63 CN 63/T
Długość całkowita Total length Gesamtlänge общая длина	30 mm		35 mm		40 mm		45 mm	
Długość szczęk Length of jaws Maullänge длина челюсти	12 mm		16,5 mm		17 mm		21 mm	
Siła otwarcia Opening pressure Schließdruck отверстия прочность	110-150 g	220-280g	110-150 g	220-280g	110-150 g	220-280g	110-150 g	220-280g



GLOVER

CN 89

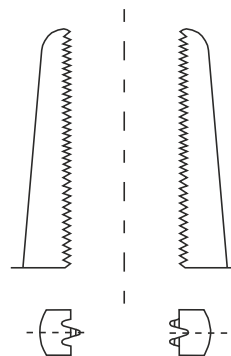
CN 90

1/1
prosty
straight
gerade
простой
A

odgięty
curved
gebogen
отогнутые
B

odgięcie 90°
angled 90°
abgewinkelt 90°
отогнутые 90°
C

odgięty 90°
angled 90°
abgewinkelt 90°
отогнутые 90°
C



Nr Kat. Cat. Ref. Katalognummer каталожный номер	CN 89 A	CN 90 B	CN 91 A	CN 92 B	CN 93 A	CN 94 B	CN 95 C
Długość całkowita Total length Gesamtlänge общая длина	48 mm	45 mm	69 mm	63 mm	84 mm	76 mm	37 mm
Długość szczęk Length of jaws Maullänge длина челюсти	22 mm		33 mm		48 mm		33 mm



CN 84

COOLEY
CN 85

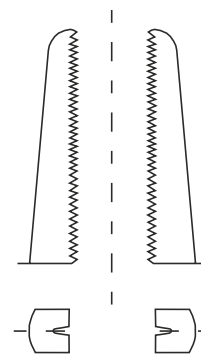
CN 88

1/1

prosty
straight
gerade
простой
A

odgięty
curved
gebogen
отогнутые
B

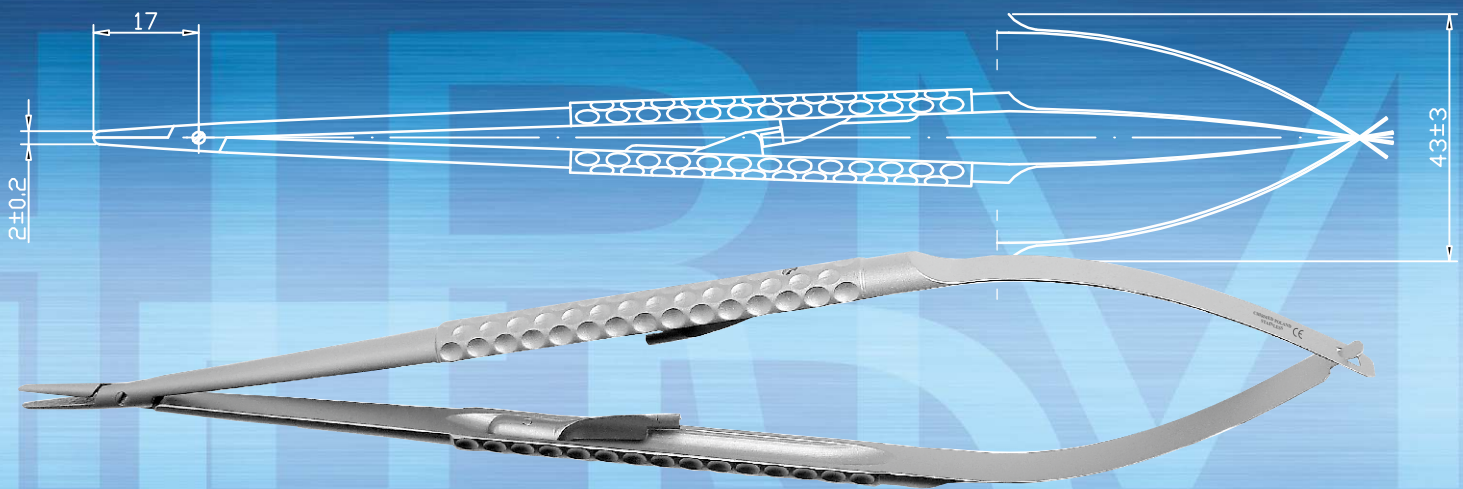
odgięty 90°
angled 90°
abgewinkelt 90°
отогнутые 90°
C



Nr Kat. Cat. Ref. Katalognummer каталожный номер	CN 82 A	CN 83 B	CN 84 A	CN 85 B	CN 86 A	CN 87 B	CN 88 C
Długość całkowita Total length Gesamtlänge общая длина	48 mm	44 mm	69 mm	64 mm	126 mm	115 mm	37 mm
Długość szczęk Length of jaws Maullänge длина челюсти	22 mm		33 mm		61 mm		33 mm

CHIRMED®

Igłotrzymacze
Needle holders
Nedelhalter
Иглодержатель











from IDEA to SOLUTION



NASYP DIAMENTOWY
DIAMOND COATED
DIAMANTBESCHICHTUNG
АЛМАЗНОЕ ПОКРЫТИЕ

SR ZAMEK ZE STALI NIERDZEWNEJ
STAINLESS STEEL RATCHET
SPERRE AUS EDELSTAHL
ЗАМОК ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

				
Szczęki Jaws Maul Пасть	0,8 mm → ←	0,8 mm → ←	0,5 mm → ←	0,5 mm → ←
Długość całkowita Total length Gesamtlänge общая длина				
150 mm (6")	MK 87/1	MK 88/1	MK 87	MK 88
150 mm (6") TITANIUM	MK 87/1/T	MK 88/1/T	MK 87/T	MK 88/T











CASTROVIEJO

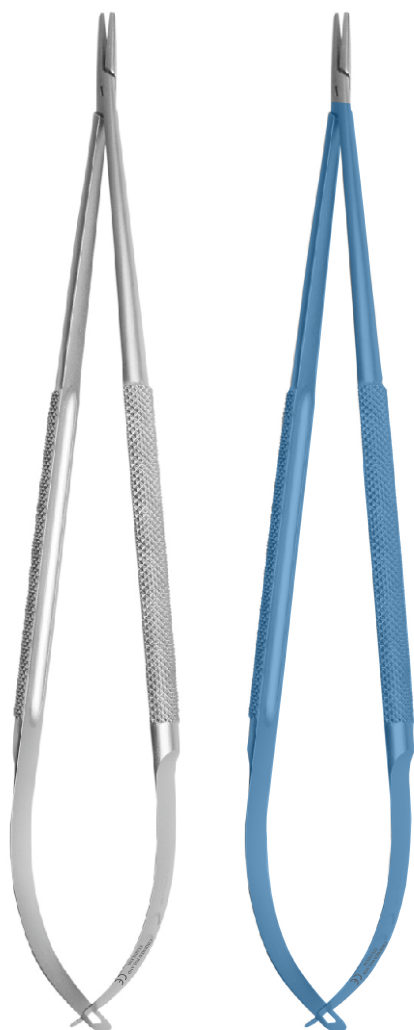
MK 87/1 150 mm (6") **MK 87/1/T**
TITANIUM



MK 85 **CASTROVIEJO**
MK 85/T
150 mm (6")
TITANIUM

MK 85/T/SR
150 mm (6")
TITANIUM

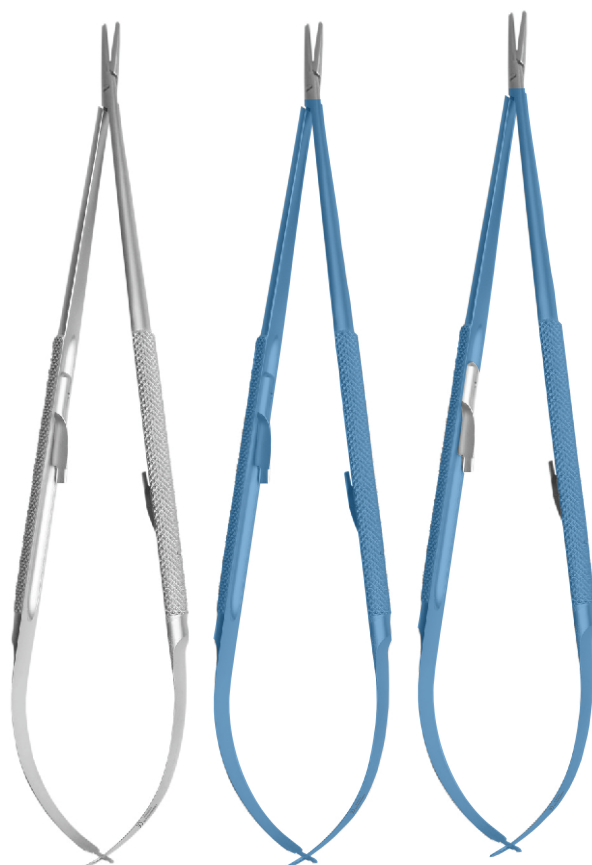
				
Szczęki Jaws Maul Пасть	0,8 mm → ←	0,8 mm → ←	0,5 mm → ←	0,5 mm → ←
Długość całkowita Total length Gesamtlänge общая длина				
150 mm (6")	MK 85/1	MK 86/1	MK 85	MK 86
150 mm (6") TITANIUM	MK 85/1/T	MK 86/1/T	MK 85/T	MK 86/T
150 mm (6") TITANIUM	MK 85/1/T/SR	MK 86/1/T/SR	MK 85/T/SR	MK 86/T/SR



MK 82 210 mm (8 1/4")
MK 82/T
TITANIUM

Szczęki Jaws Maul Пасть	1,0 mm → ←	1,0 mm → ←	0,8 mm → ←	0,8 mm → ←
Długość całkowita Total length Gesamtlänge общая длина				
				1/1
185 mm (7 1/4")	MK 78	MK 80	MK 78/1	MK 80/1
185 mm (7 1/4") TITANIUM	MK 78/T	MK 80/T	MK 78/1/T	MK 80/1/T
210 mm (8 1/4")	MK 82	MK 84	MK 82/1	MK 84/1
210 mm (8 1/4") TITANIUM	MK 82/T	MK 84/T	MK 82/1/T	MK 84/1/T

Szczęki Jaws Maul Пасть	1,0 mm → ←	1,0 mm → ←	0,8 mm → ←	0,8 mm → ←
Długość całkowita Total length Gesamtlänge общая длина				
				1/1
185 mm (7 1/4")	MK 77	MK 79	MK 77/1	MK 79/1
185 mm (7 1/4") TITANIUM	MK 77/T	MK 79/T	MK 77/1/T	MK 79/1/T
210 mm (8 1/4")	MK 81	MK 83	MK 81/1	MK 83/1
210 mm (8 1/4") TITANIUM	MK 81/T	MK 83/T	MK 81/1/T	MK 83/1/T
185 mm (7 1/4") TITANIUM	MK 77/T/SR	MK 79/T/SR	MK 77/1/T/SR	MK 79/1/T/SR
210 mm (8 1/4") TITANIUM	MK 81/T/SR	MK 83/T/SR	MK 81/1/T/SR	MK 83/1/T/SR



MK 77 185 mm (7 1/4")
MK 77/T
TITANIUM
MK 77/T/SR
185 mm (7 1/4")
TITANIUM



NASYP DIAMENTOWY
DIAMOND COATED
DIAMANTBESCHICHTUNG
АЛМАЗНОЕ ПОКРЫТИЕ

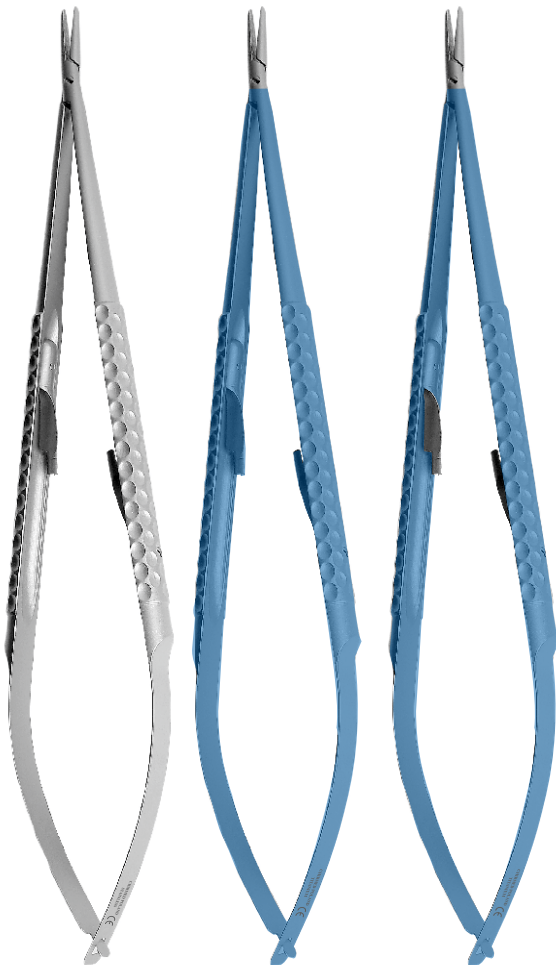
SR ZAMEK ZE STALI NIERDZEWNEJ
STAINLESS STEEL RATCHET
SPERRE AUS EDELSTAHL
ЗАМОК ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

Szczęki Jaws Maul Пасть	 1,0 mm → ←	 1,0 mm → ←	 0,8 mm → ←	 0,8 mm → ←
Długość całkowita Total length Gesamtlänge общая длина				1/1
185 mm (7 1/4")	MK 241	MK 243	MK 241/1	MK 243/1
185 mm (7 1/4") TITANIUM	MK 241/T	MK 243/T	MK 241/1/T	MK 243/1/T
210 mm (8 1/4")	MK 245	MK 247	MK 245/1	MK 247/1
210 mm (8 1/4") TITANIUM	MK 245/T	MK 247/T	MK 245/1/T	MK 247/1/T



MK 241
185 mm (7 1/4")

MK 241/T
TITANIUM



MK 240
185 mm (7 1/4")

MK 240/T
TITANIUM





MK 240/T/SR
185 mm (7 1/4")
TITANIUM





Szczęki Jaws Maul Пасть	 1,0 mm → ←	 1,0 mm → ←	 0,8 mm → ←	 0,8 mm → ←
Długość całkowita Total length Gesamtlänge общая длина				1/1
185 mm (7 1/4")	MK 240	MK 242	MK 240/1	MK 242/1
185 mm (7 1/4") TITANIUM	MK 240/T	MK 242/T	MK 240/1/T	MK 242/1/T
210 mm (8 1/4")	MK 244	MK 246	MK 244/1	MK 246/1
210 mm (8 1/4") TITANIUM	MK 244/T	MK 246/T	MK 244/1/T	MK 246/1/T
185 mm (7 1/4") TITANIUM	MK 240/T/SR	MK 242/T/SR	MK 240/1/T/SR	MK 242/1/T/SR
210 mm (8 1/4") TITANIUM	MK 244/T/SR	MK 246/T/SR	MK 244/1/T/SR	MK 246/1/T/SR

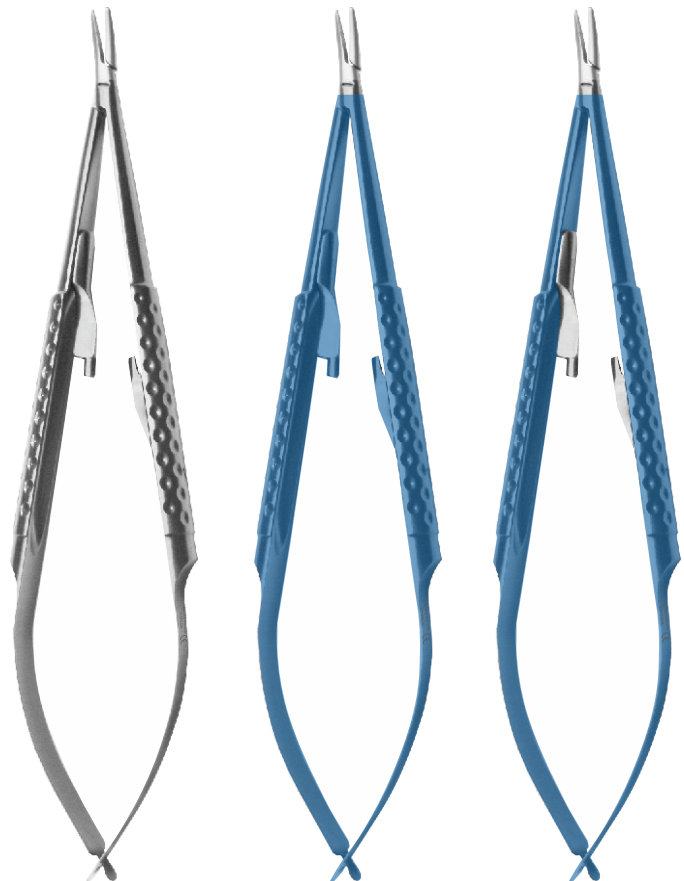


MK 302
150 mm (6")

MK 302/T
TITANIUM

Szczęki Jaws Maul Пасть	 0,8 mm → ←	 0,8 mm → ←
Długość całkowita Total length Gesamtlänge общая длина		
150 mm (6")	MK 302	MK 303
150 mm (6") TITANIUM	MK 302/T	MK 303/T

Szczęki Jaws Maul Пасть	 0,8 mm → ←	 0,8 mm → ←
Długość całkowita Total length Gesamtlänge общая длина		
150 mm (6")	MK 293	MK 294
150 mm (6") TITANIUM	MK 293/T	MK 294/T
150 mm (6") TITANIUM	MK 293/T/SR	MK 294/T/SR











MK 294
150 mm (6")

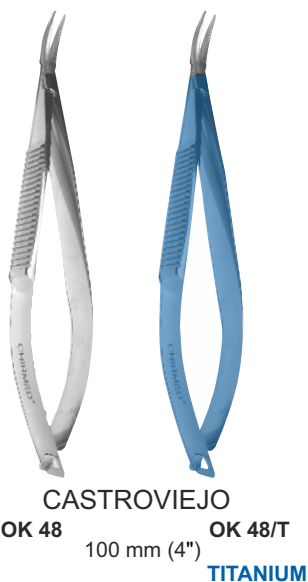
MK 294/T
TITANIUM





MK 294/T/SR
150 mm (6")
TITANIUM







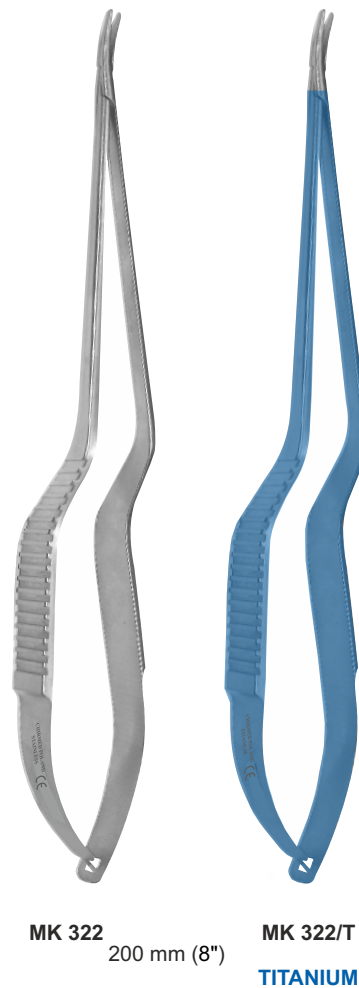
NASYP DIAMENTOWY
DIAMOND COATED
DIAMANTBESCHICHTUNG
АЛМАЗНОЕ ПОКРЫТИЕ

Szczęki Jaws Maul Пасть	 1,0 mm → ←	 1,0 mm → ←	Szczęki Jaws Maul Пасть	 0,5 mm → ←	 0,5 mm → ←
Długość całkowita Total length Gesamtlänge общая длина			Długość całkowita Total length Gesamtlänge общая длина		
100 mm (4")	OK 52	OK 48	150 mm (6")	MK 323	MK 324
100 mm (4") TITANIUM	OK 52/T	OK 48/T	150 mm (6") TITANIUM	MK 323/T	MK 324/T



Szczęki Jaws Maul Пасть	 0,7 mm → ←	 0,7 mm → ←
Długość całkowita Total length Gesamtlänge общая длина		
178 mm (7")	MK 314	MK 315
178 mm (7") TITANIUM	MK 314/T	MK 315/T

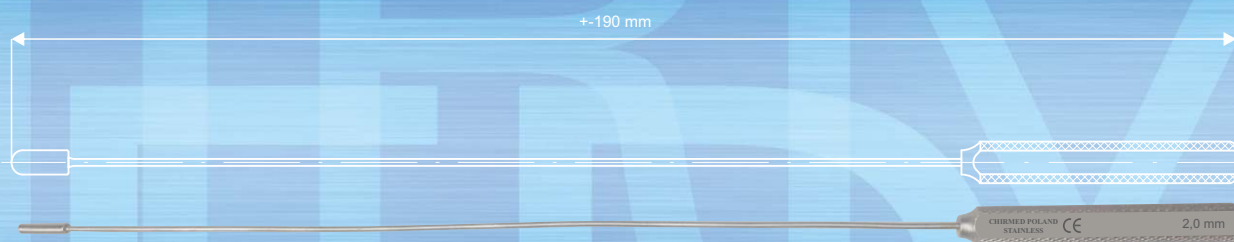
Szczęki Jaws Maul Пасть	 1,0 mm → ←	 1,0 mm → ←
Długość całkowita Total length Gesamtlänge общая длина		
200 mm (8")	MK 328	MK 322
200 mm (8") TITANIUM	MK 328/T	MK 322/T





CHIRMED®

Sondy naczyniowe i kaniule
Vessel dilators and cannulas
Gefäßdilatoren und Kanülen
Расширители сосудов и канюли



from IDEA to SOLUTION





1/1

KD 39 - KD 48
 190 mm (7 1/2")

0,7 mm
 → ←



KD 39

3,0 mm
 → ←



KD 44

1,0 mm
 → ←



KD 40

3,5 mm
 → ←



KD 45

1,5 mm
 → ←



KD 41

4,0 mm
 → ←



KD 46

2,0 mm
 → ←



KD 42

4,5 mm
 → ←



KD 47

2,5 mm
 → ←



KD 43

5,0 mm
 → ←



KD 48

1/1

1/1



1/1

ST 8630-8632
 Ø 1,6 mm



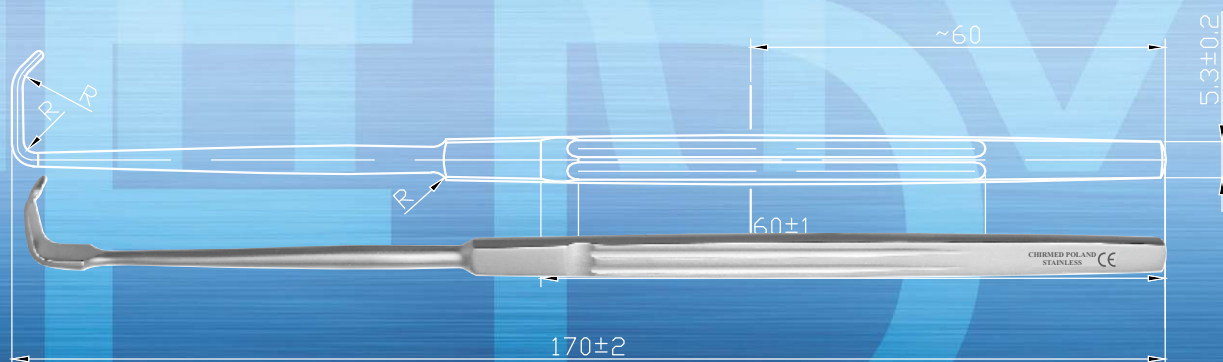
ST 8630
 130 mm (5 1/8")
ST 8631
 150 mm (6")
ST 8632
 170 mm (7 2/3")



ST 8633
 130 mm (5 1/8")
ST 8634
 150 mm (6")
ST 8635
 170 mm (7 2/3")

CHIRMED[®]

Haki
Retractors
Wundhaken
Ретракторы



from IDEA to SOLUTION



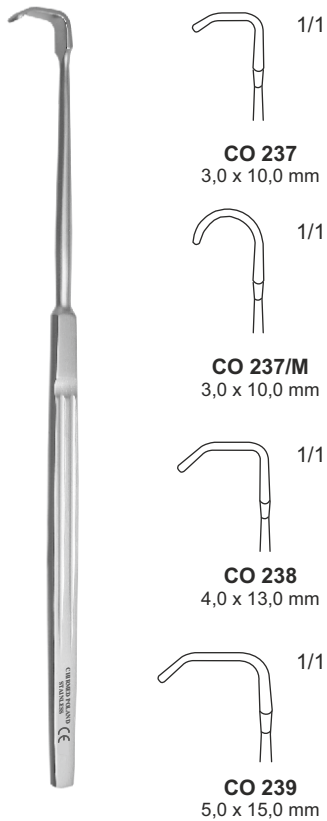


1/2

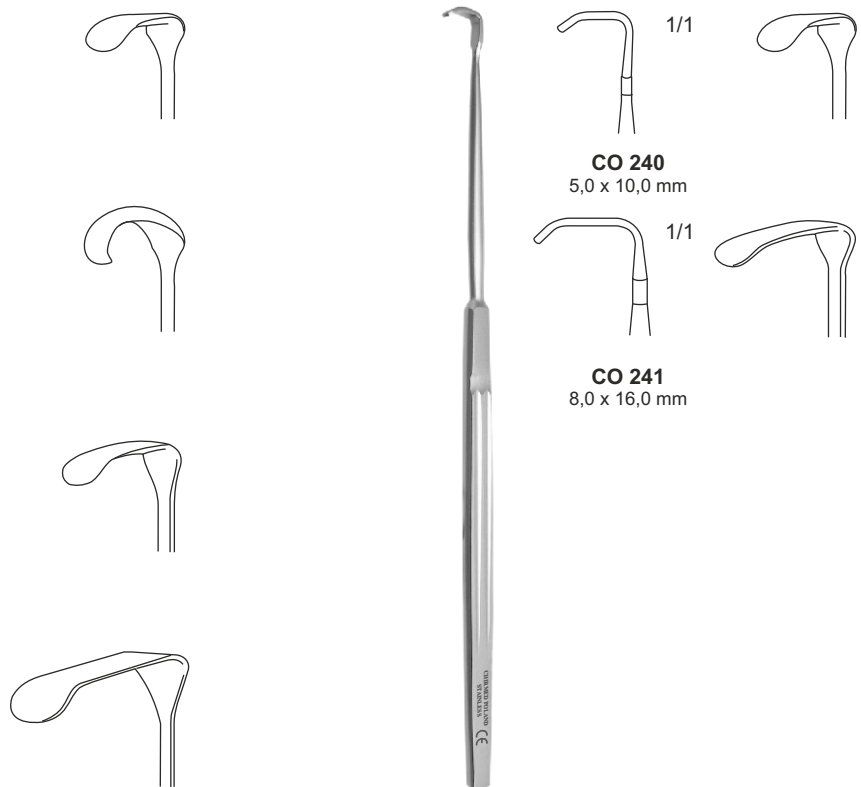
KD 31
220 mm (8 3/4")



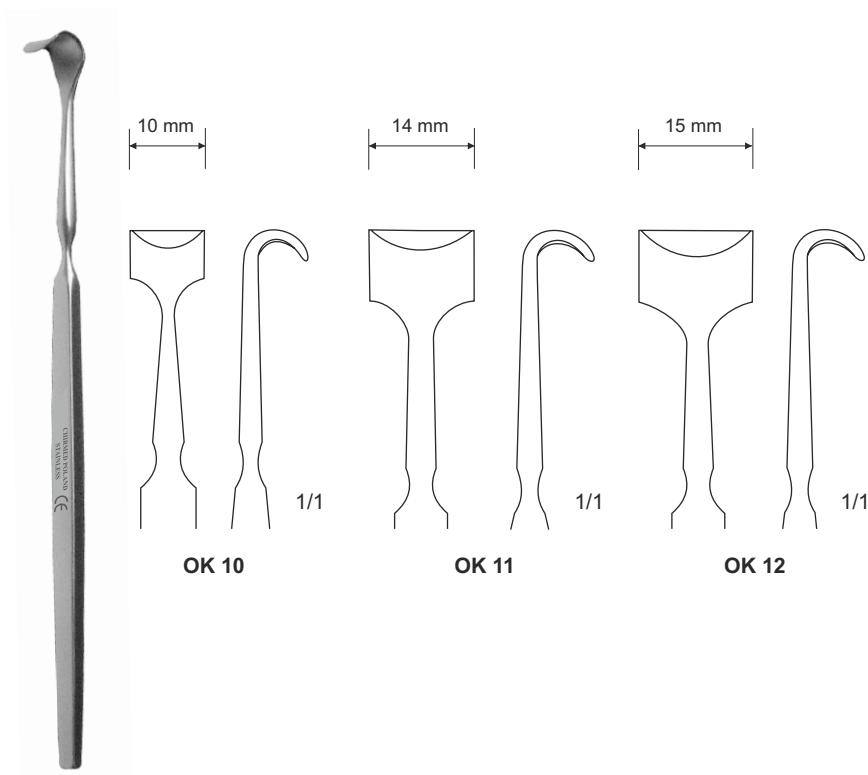
CO 244
170 mm (6 3/4")



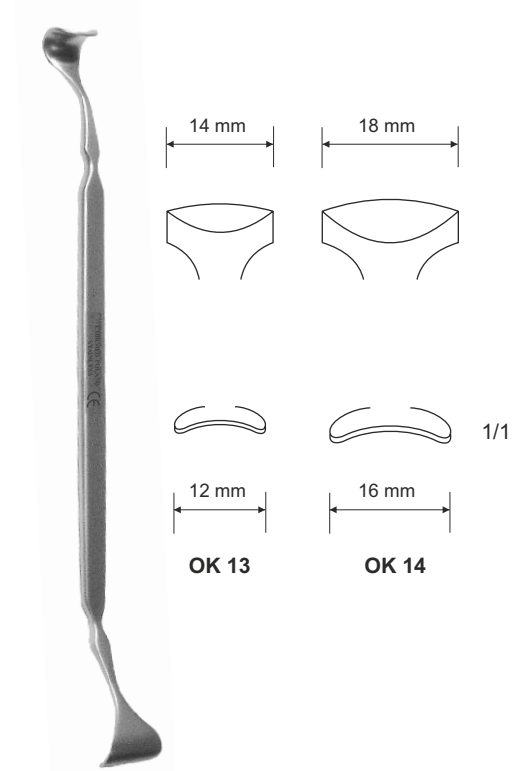
CO 239
170 mm (6 3/4")



CO 240
150 mm (6")



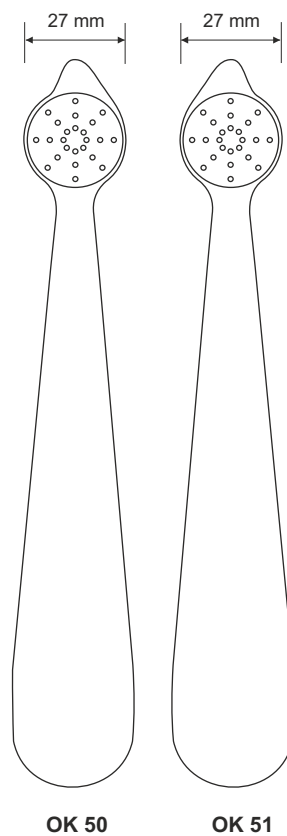
DESMARES
OK 10 - OK 12
140 mm (5 1/2")



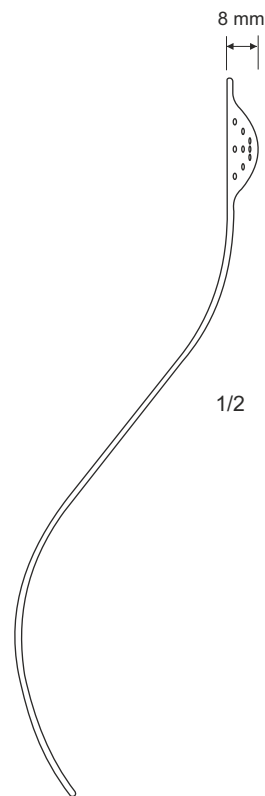
ROSTKOWSKI
OK 13 - OK 14
140 mm (5 1/2")



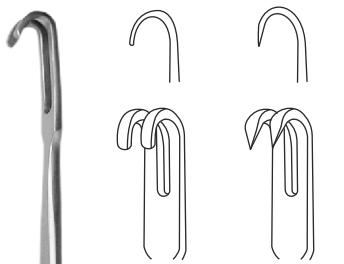
OK 50
190 mm (7 1/2")



OK 50 **OK 51**

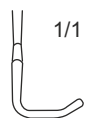
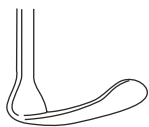


1/2



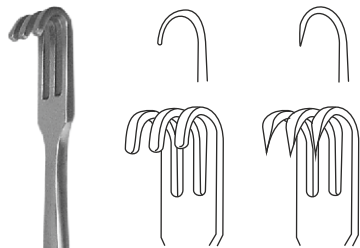
CO 251 CO 251/1

1/1



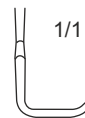
5 x 10 mm

CO 251
170 mm (6 3/4")



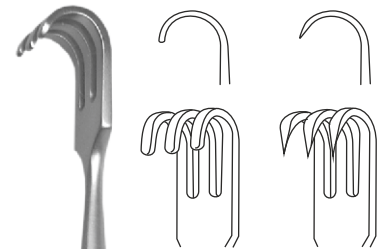
CO 252 CO 252/1

1/1



5 x 13 mm

CO 252
170 mm (6 3/4")



CO 253 CO 253/1

1/1

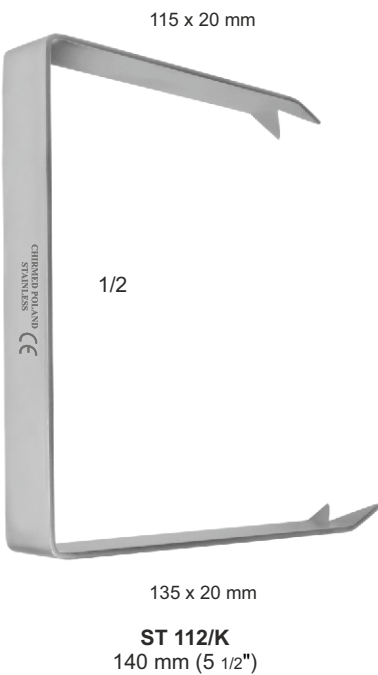


7 x 20 mm

CO 253
175 mm (7")



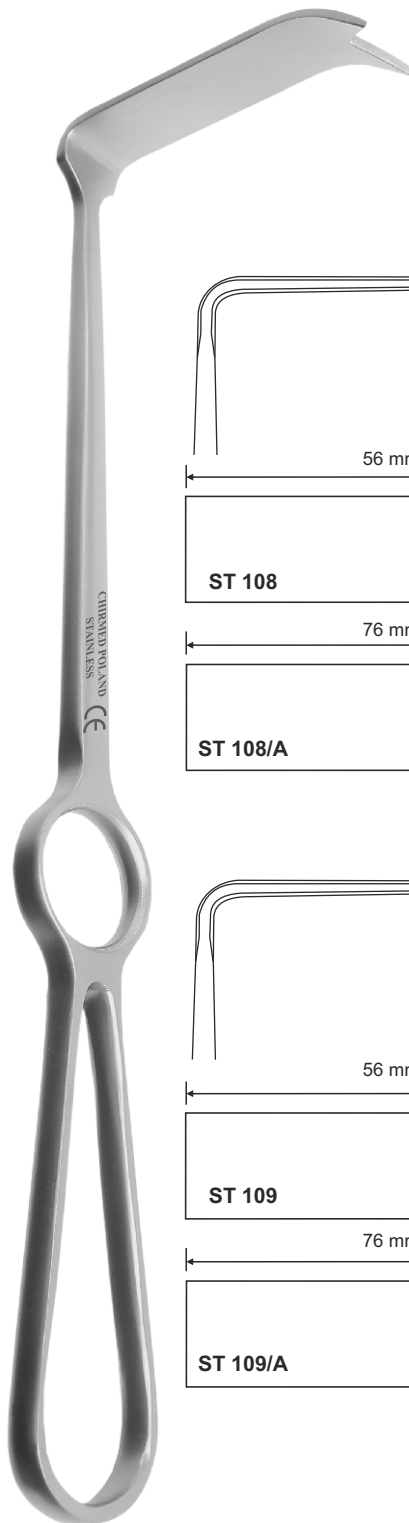
FARABEUF
ST 112
120 mm (4 3/4")
ST 112/M
140 mm (5 1/2")
ST 112/N
120 mm (4 3/4")
ST 112/A
120 mm (4 3/4")



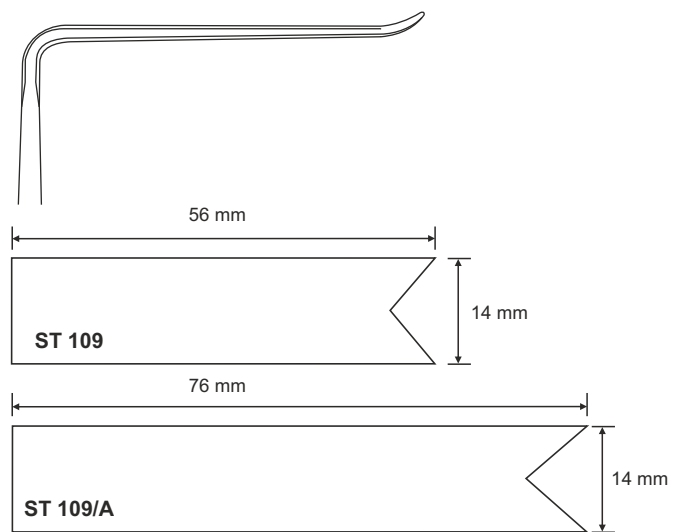
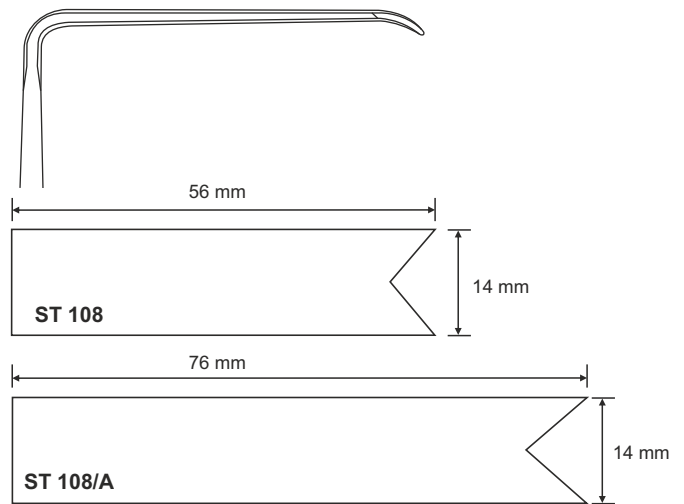
ST 112/K
140 mm (5 1/2")

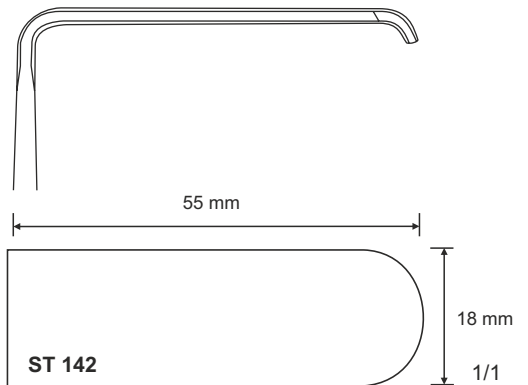
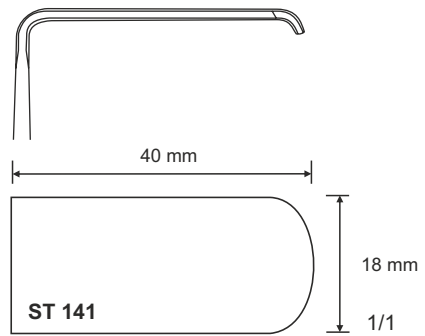
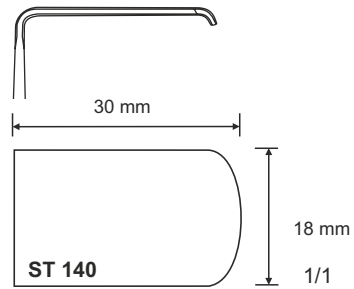
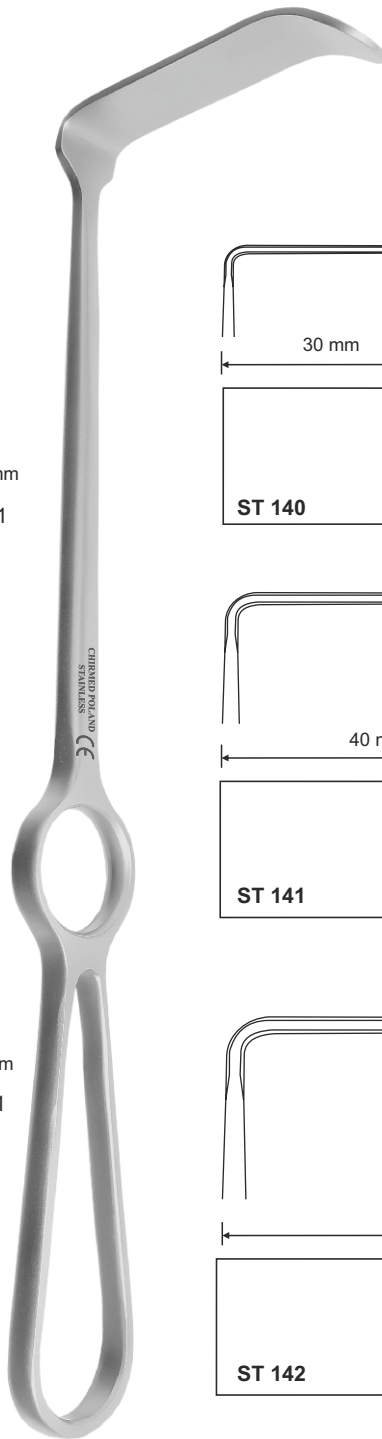
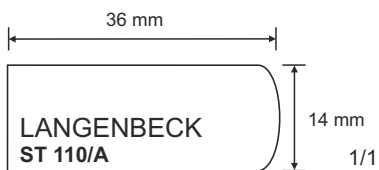
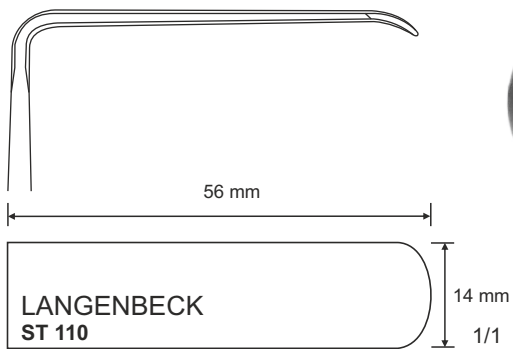
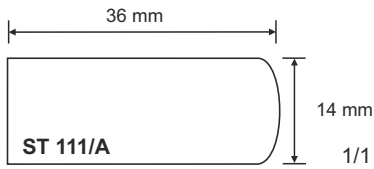
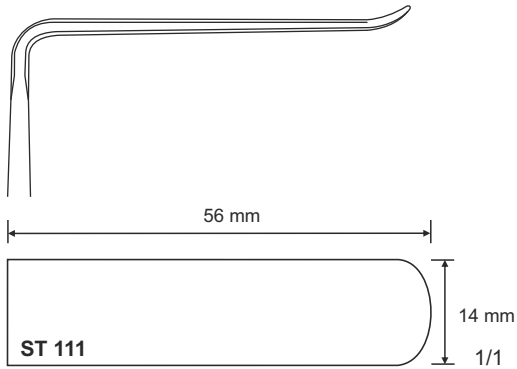
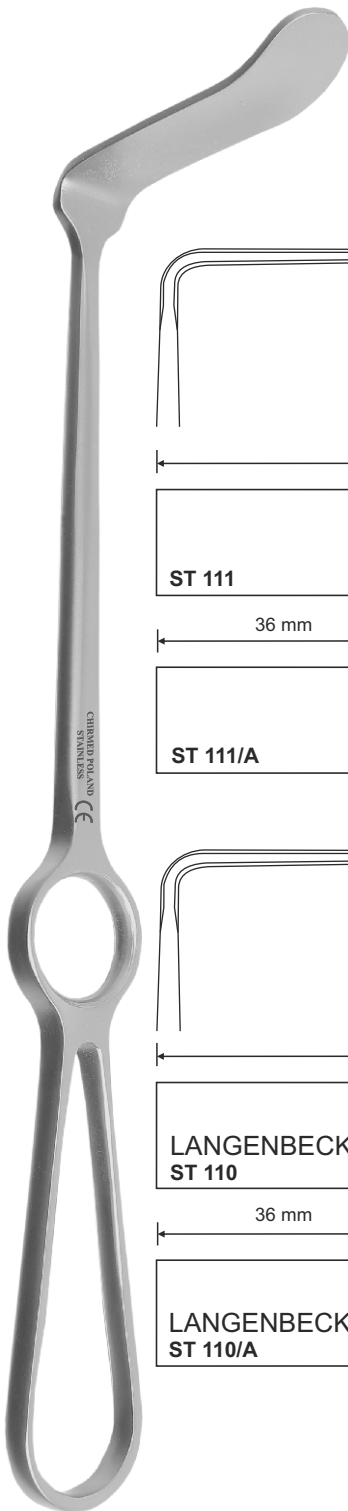


CO 207
100 mm (4")
CO 208
120 mm (4 3/4")



ST 108
220 mm (8 3/4")

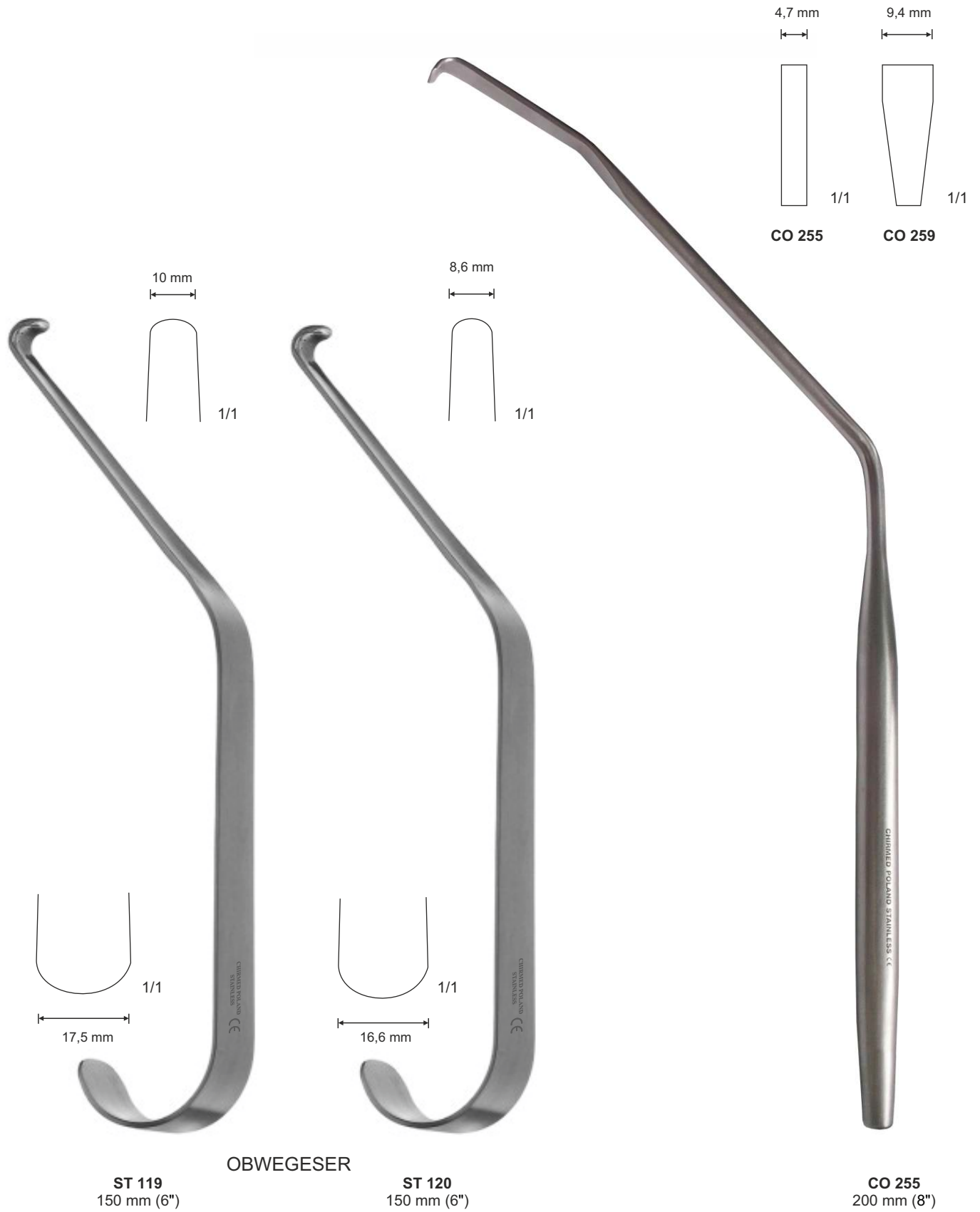


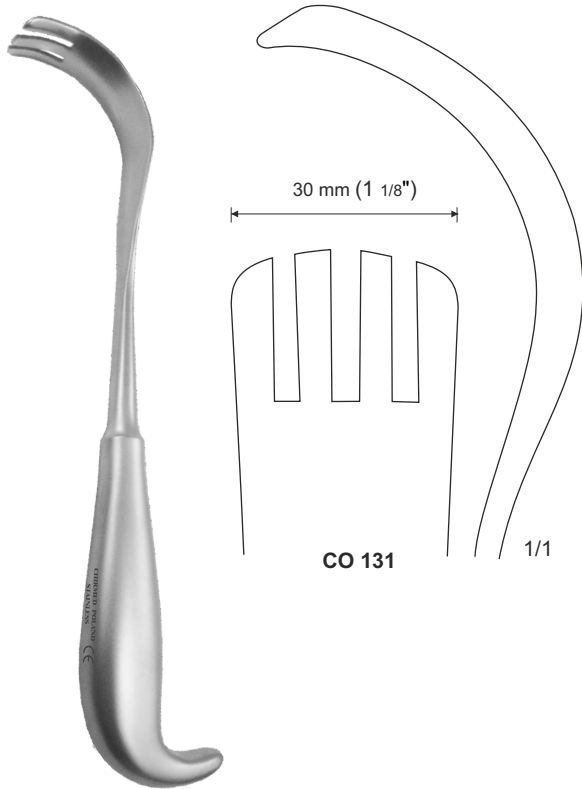


KOCHER-LANGENBECK

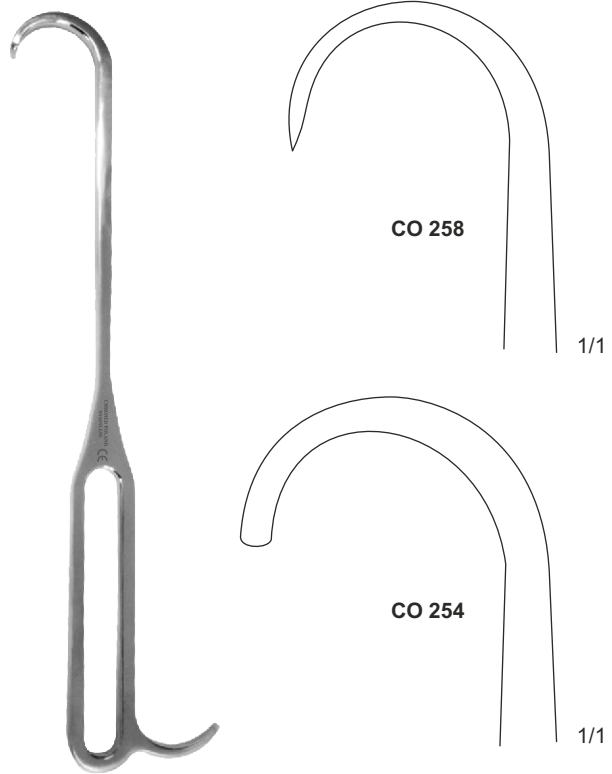
ST 140
210 mm (8 1/4")

ST 111
220 mm (8 3/4")

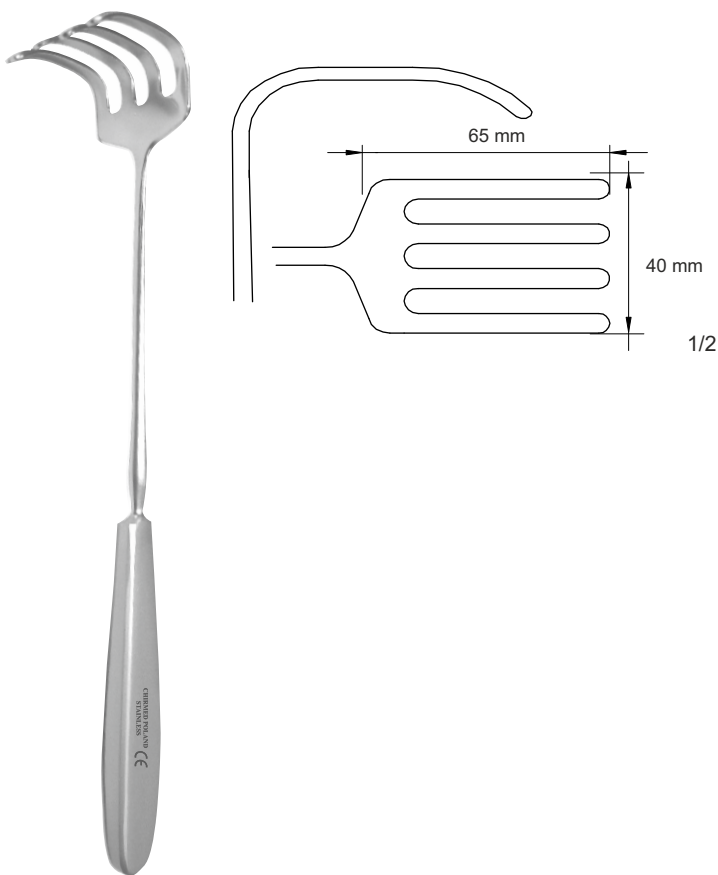




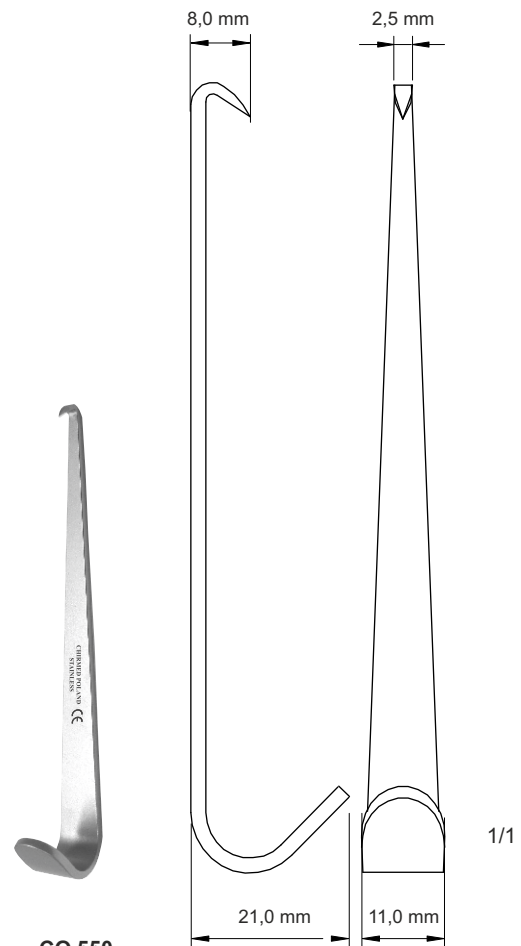
SEMBO
CO 131
280 mm (11 1/4")



LAMBOTTE
CO 254
275 mm (10 3/4")



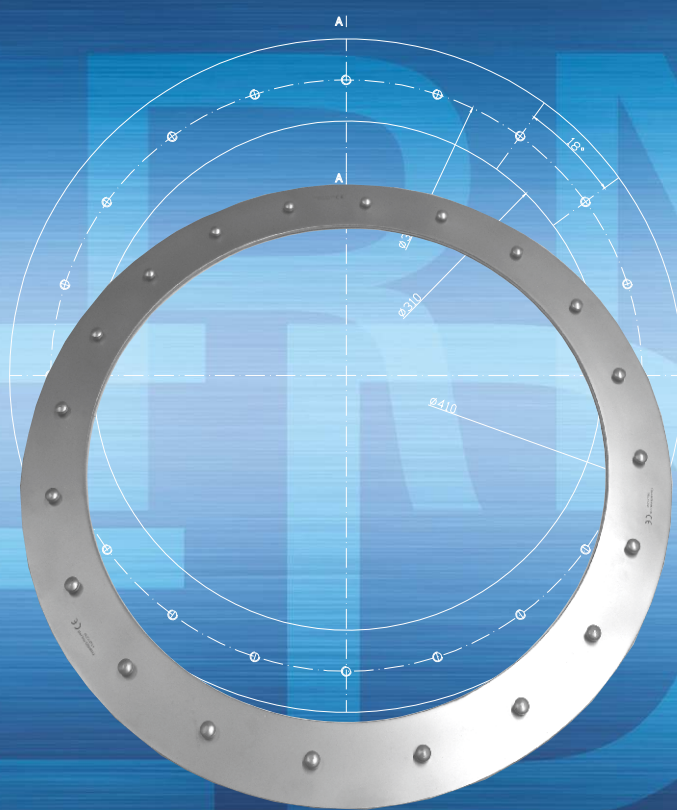
CO 551
230 mm (9 1/8")



CO 550
104 mm (4 1/8")

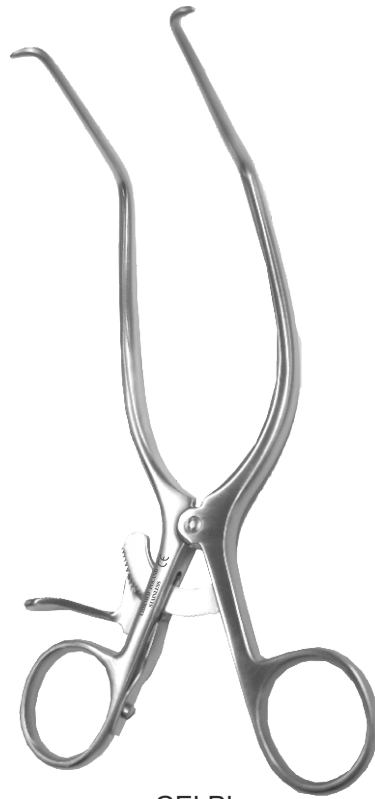
CHIRMED®

Rozwieracze do ran, haki brzuszne
Self-Retaining Retractors, Abdominal Retractors
Wundspreizer, Bauchdeckenhalter
Самоудерживающийся Ретракторы, Ретракторы Брюшной

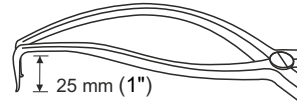


from IDEA to SOLUTION

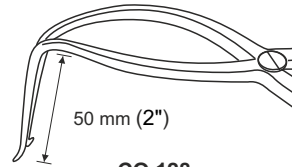




GELPI



CO 127
170 mm (6 3/4")



CO 128
150 mm (6")



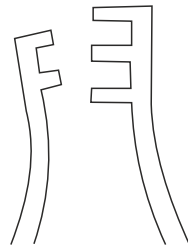
WEITLANER



A
2x3
ząbki/ prongs/ zähne/ зубы

CO 400
105 mm (4 1/8")
tępe/ blunt/ stumpf/ тупые

CO 401
105 mm (4 1/8")
ostre/ sharp/ spitz/ острые



B
3x4
ząbki/ prongs/ zähne/ зубы

CO 402
130 mm (5 1/8")
tępe/ blunt/ stumpf/ тупые

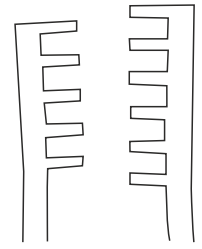
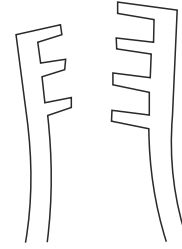
CO 403
130 mm (5 1/8")
ostre/ sharp/ spitz/ острые

CO 404
165 mm (6 1/2")
tępe/ blunt/ stumpf/ тупые

CO 405
165 mm (6 1/2")
ostre/ sharp/ spitz/ острые

CO 406
200 mm (8")
tępe/ blunt/ stumpf/ тупые

CO 407
200 mm (8")
ostre/ sharp/ spitz/ острые



C
4x5
ząbki/ prongs/ zähne/ зубы

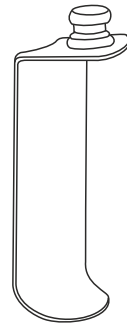
CO 408
250 mm (10")
tępe/ blunt/ stumpf/ тупые

CO 409
250 mm (10")
ostre/ sharp/ spitz/ острые



CASPAR
CO 166
210 mm (8 1/4")

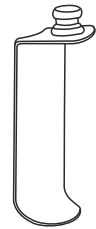
BRANSZE TEPE
/BLUNT BLADES
/STUMPFE BLÄTTER
/КРЮКИ ТУПЫЕ



dlugość
length (in)
länge
длина

45 x 20 mm	CO 155
45 x 20 mm TITANIUM	CO 155/T
50 x 20 mm	CO 156
50 x 20 mm TITANIUM	CO 156/T
55 x 20 mm	CO 157
55 x 20 mm TITANIUM	CO 157/T
60 x 20 mm	CO 158
60 x 20 mm TITANIUM	CO 158/T
65 x 20 mm	CO 159
65 x 20 mm TITANIUM	CO 159/T

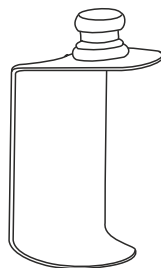
BRANSZE TEPE
/BLUNT BLADES
/STUMPFE BLÄTTER
/КРЮКИ ТУПЫЕ



dlugość
length (in)
länge
длина

20 x 10 mm	CO 540
20 x 10 mm TITANIUM	CO 540/T
25 x 10 mm	CO 541
25 x 10 mm TITANIUM	CO 541/T

BRANSZE TEPE
/BLUNT BLADES
/STUMPFE BLÄTTER
/КРЮКИ ТУПЫЕ

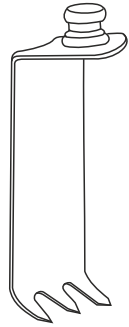
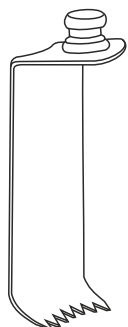
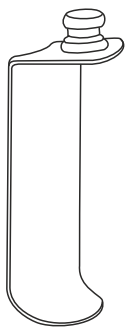
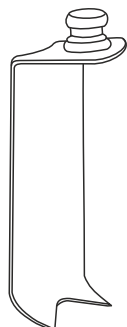


dlugość
length (in)
länge
длина

45 x 35 mm	CO 554
45 x 35 mm TITANIUM	CO 554/T
65 x 35 mm	CO 555
65 x 35 mm TITANIUM	CO 555/T

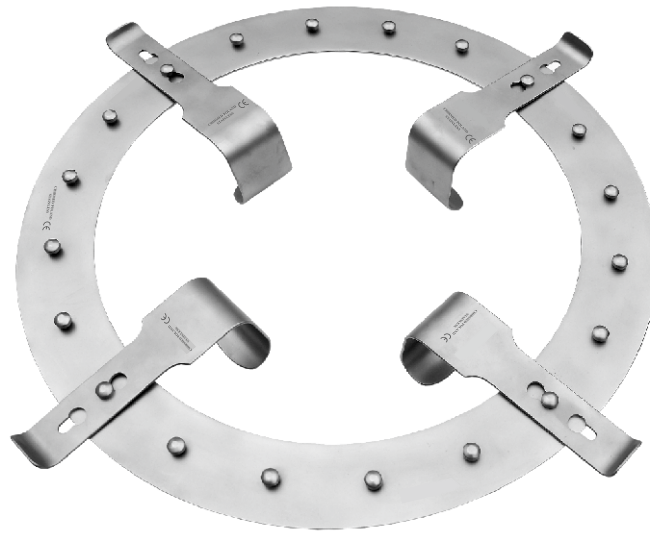


CASPAR
CO 553
210 mm (8 1/4")

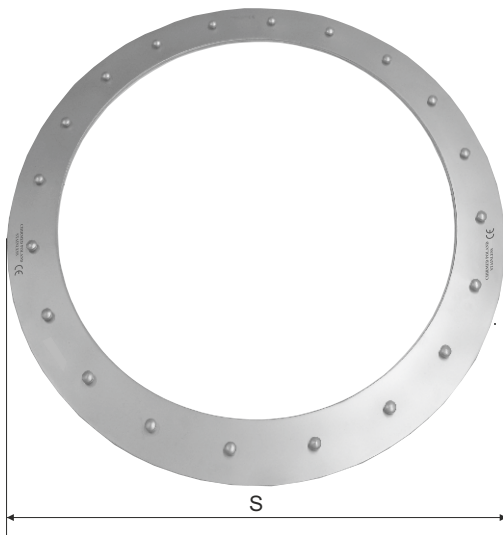
	BRANSZE ŚRODKOWE /MEDIAL BLADES /MITTELBLÄTTER /КРЮКИ ЦЕНТРАЛЬНЫЙ	BRANSZE BOCZNE /LATERAL BLADES /SEITENBLÄTTER /КРЮКИ СТОРОНА	BRANSZE TEPE /BLUNT BLADES /STUMPFE BLÄTTER /КРЮКИ ТУПЫЕ	BRANSZE TEPE V /V-BLUNT BLADES /STUMPFE V BLÄTTER /КРЮКИ ТУПЫЕ V
długość length (in) länge длина				
45 x 20 mm	CO 145	CO 150	CO 155	CO 160
45 x 20 mm TITANIUM	CO 145/T	CO 150/T	CO 155/T	CO 160/T
50 x 20 mm	CO 146	CO 151	CO 156	CO 161
50 x 20 mm TITANIUM	CO 146/T	CO 151/T	CO 156/T	CO 161/T
55 x 20 mm	CO 147	CO 152	CO 157	CO 162
55 x 20 mm TITANIUM	CO 147/T	CO 152/T	CO 157/T	CO 162/T
60 x 20 mm	CO 148	CO 153	CO 158	CO 163
60 x 20 mm TITANIUM	CO 148/T	CO 153/T	CO 158/T	CO 163/T
65 x 20 mm	CO 149	CO 154	CO 159	CO 164
65 x 20 mm TITANIUM	CO 149/T	CO 154/T	CO 159/T	CO 164/T



CASPAR
 CO 140
 S=120 mm
 CO 141
 S= 200 mm



Zestaw podstawowy zawiera:
The basic set includes:
Das Basis-Set beinhaltet:
Базовый комплект включает в себя:
1 x CO 303,
4 x CO 304,
4 x CO 305.

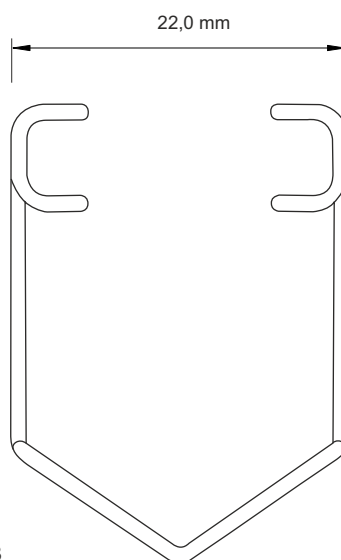


CO 303/1 S = 290 mm (11 1/2")
CO 303 S = 310 mm (12 1/4")
CO 303/2 S = 400 mm (15 3/4")
CO 303/3 S = 280 mm (11 1/4")
CO 303/4 S = 300 mm (12 1/8")
CO 303/5 S = 390 mm (15 1/2")

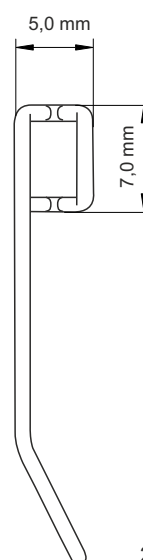
model A		model B	
dlugość length (in) länge длина		dlugość length (in) länge длина	
	65 mm		65 mm
CO 304 45x65 mm CO 304/1 65x65 mm		CO 305/1 45x65 mm	
	80 mm		80 mm
CO 304/2 65x80 mm		CO 305/2 45x80 mm	
	117 mm		117 mm
CO 304/3 45x117 mm		CO 305 45x117 mm	



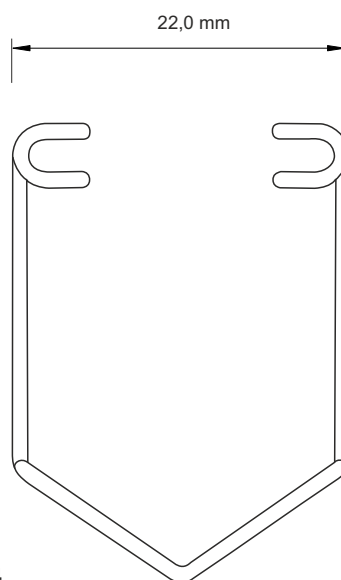
OK 53



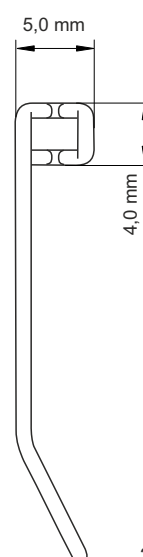
OK 53



2/1



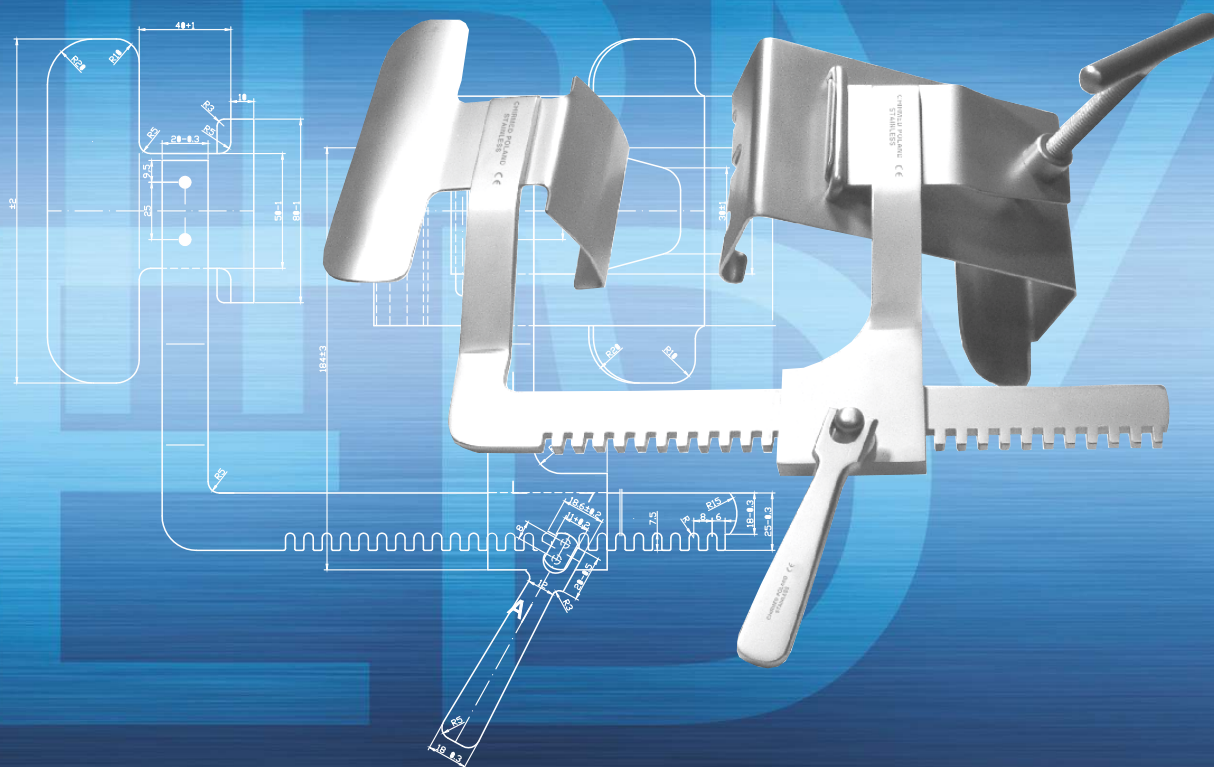
OK 54



2/1

CHIRMED®

Kardio i torakochirurgia
Cardiovascular and Thoracic Surgery
Herz-, Thorax- und Gefäß-Chirurgie
Сердечно-сосудистая и торакальная хирургия



from IDEA to SOLUTION

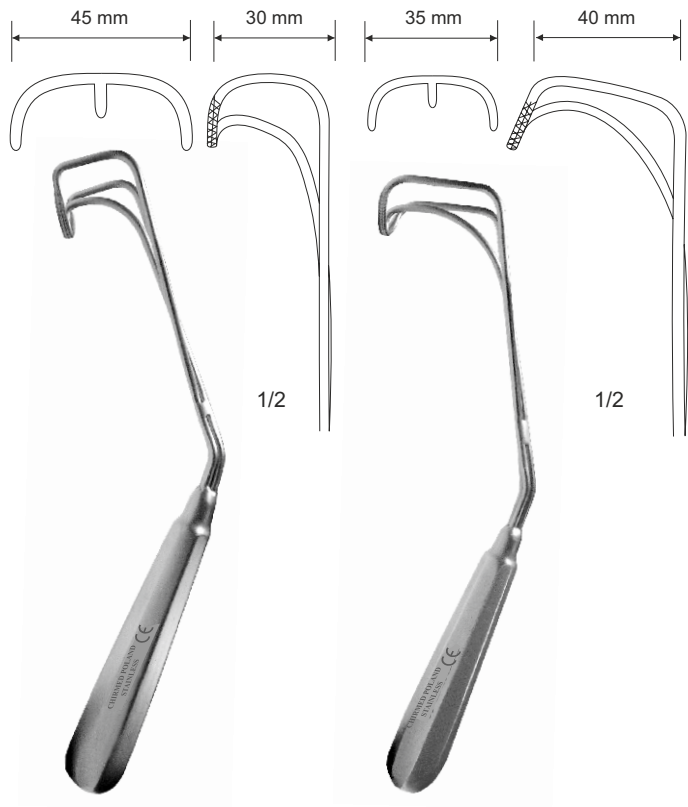




KD 31
222 mm (8 3/4")

KD 20
235 mm (9")

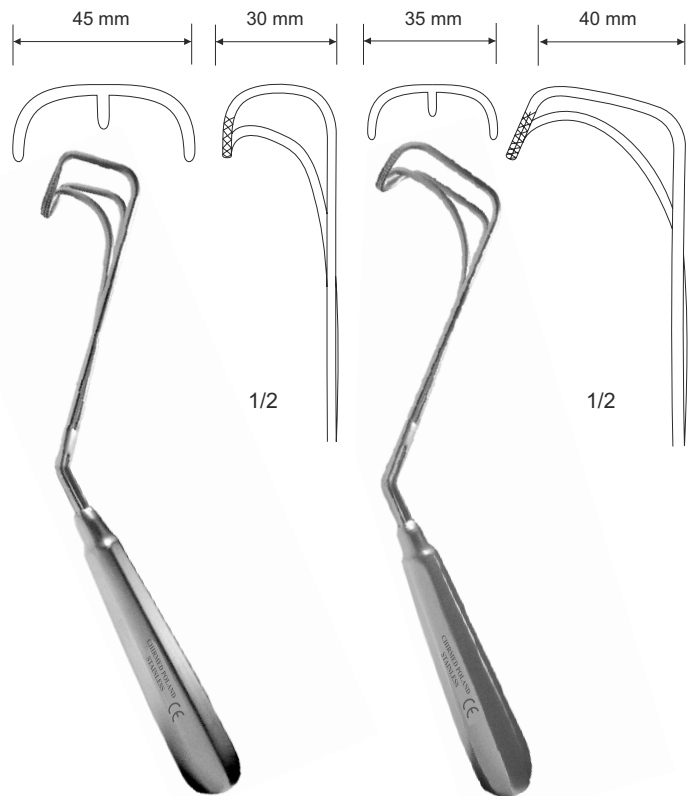
Prawy/ Right/ Recht/ Право



KD 16
245 mm (9 3/5")

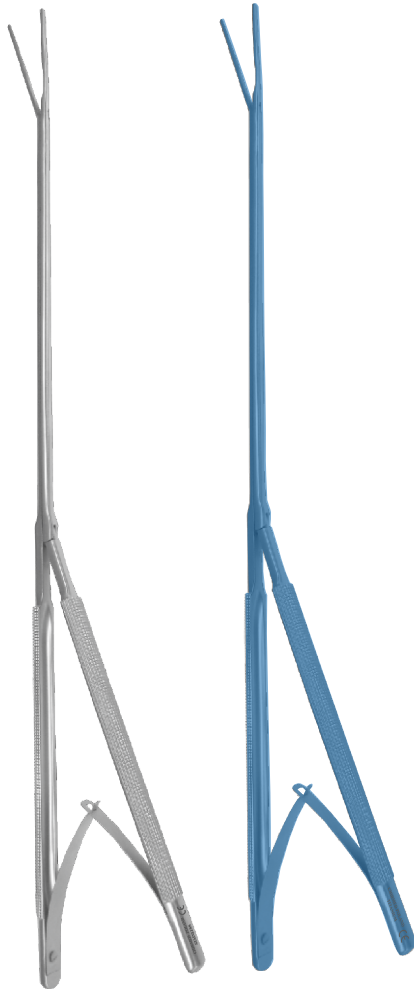
KD 17
245 mm (9 3/5")

Lewy/ Left/ Links/ Левый



KD 18
245 mm (9 3/5")

KD 19
245 mm (9 3/5")



DE BAKEY
MK 200

DE BAKEY
MK 200/T
TITANIUM

Czubki
Tips
Spitzen
Кончик

Długość całkowita
Total length
Gesamtlänge
общая длина

1,5 mm
→ | ←

1/1

1,5 mm
→ | ←

1/1

360 mm (14 1/4")	MK 200	MK 202
360 mm (14 1/4") TITANIUM	MK 200/T	MK 202/T
414 mm (16 1/4")	MK 201	MK 203
414 mm (16 1/4") TITANIUM	MK 201/T	MK 203/T

Czubki
Tips
Spitzen
Кончик

Długość całkowita
Total length
Gesamtlänge
общая длина

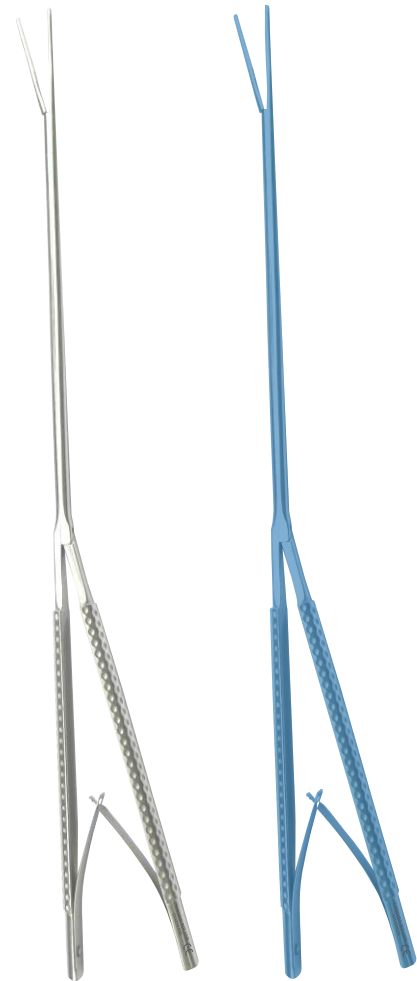
1,5 mm
→ | ←

1/1

1,5 mm
→ | ←

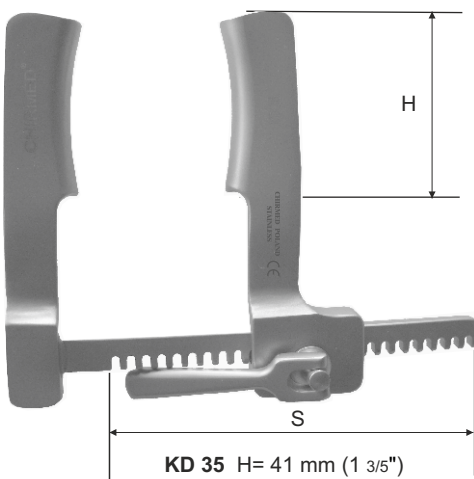
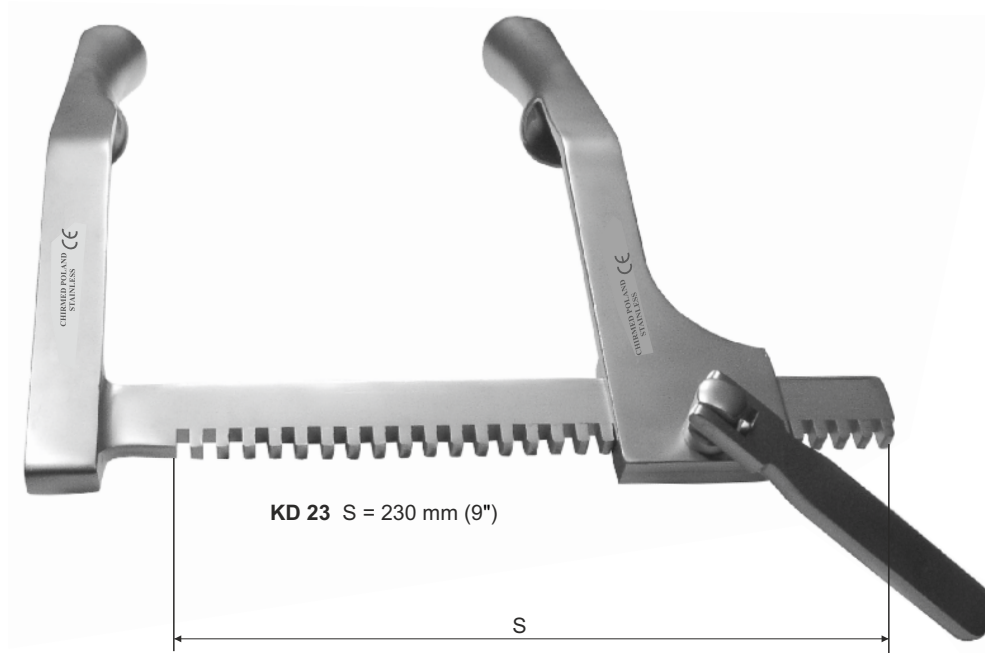
1/1

360 mm (14 1/4")	MK 306	MK 308
360 mm (14 1/4") TITANIUM	MK 306/T	MK 308/T
414 mm (16 1/4")	MK 307	MK 309
414 mm (16 1/4") TITANIUM	MK307/T	MK 309/T



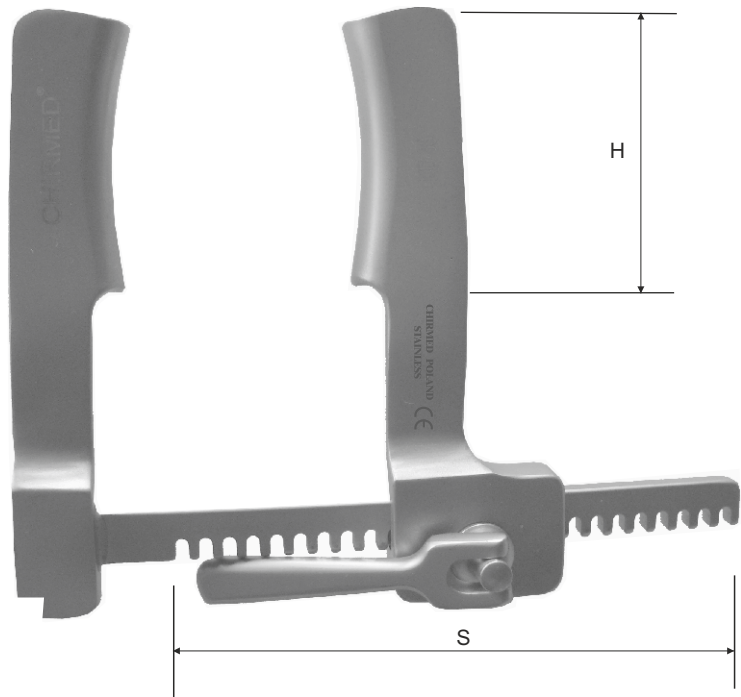
DE BAKEY
MK 306

DE BAKEY
MK 306/T
TITANIUM

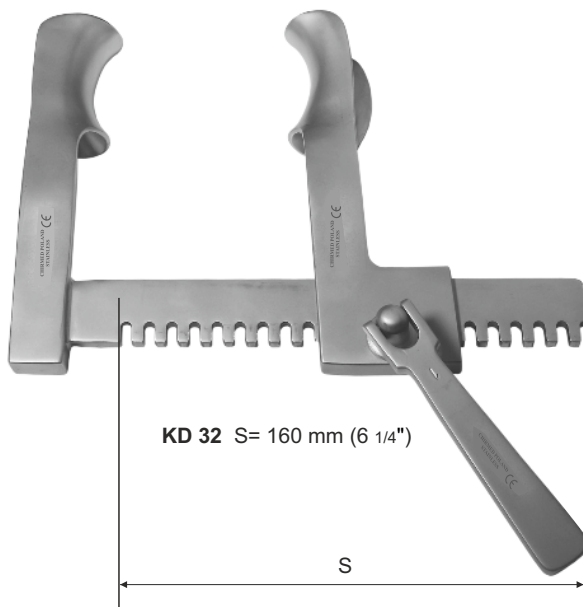


KD 35 H= 41 mm (1 3/5")
S= 90 mm (3 1/2")

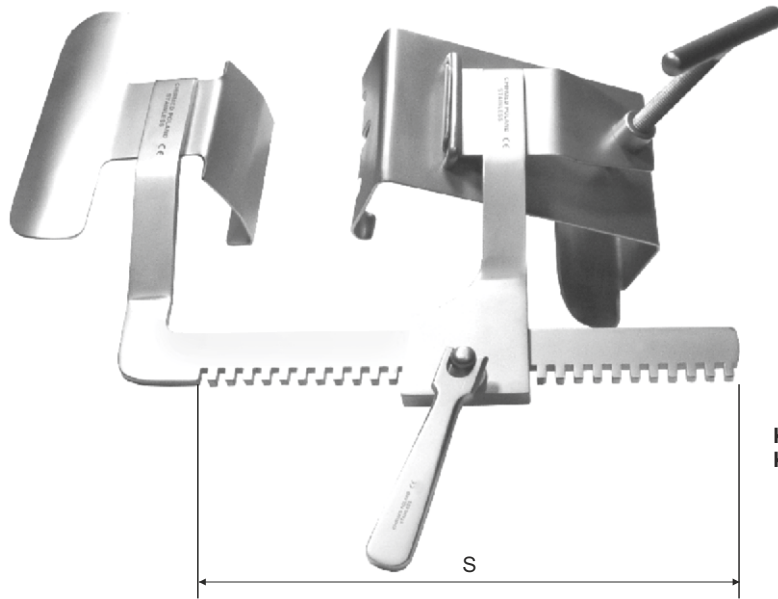
KD 36 H= 29 mm (1")
S= 90 mm (3 1/2")



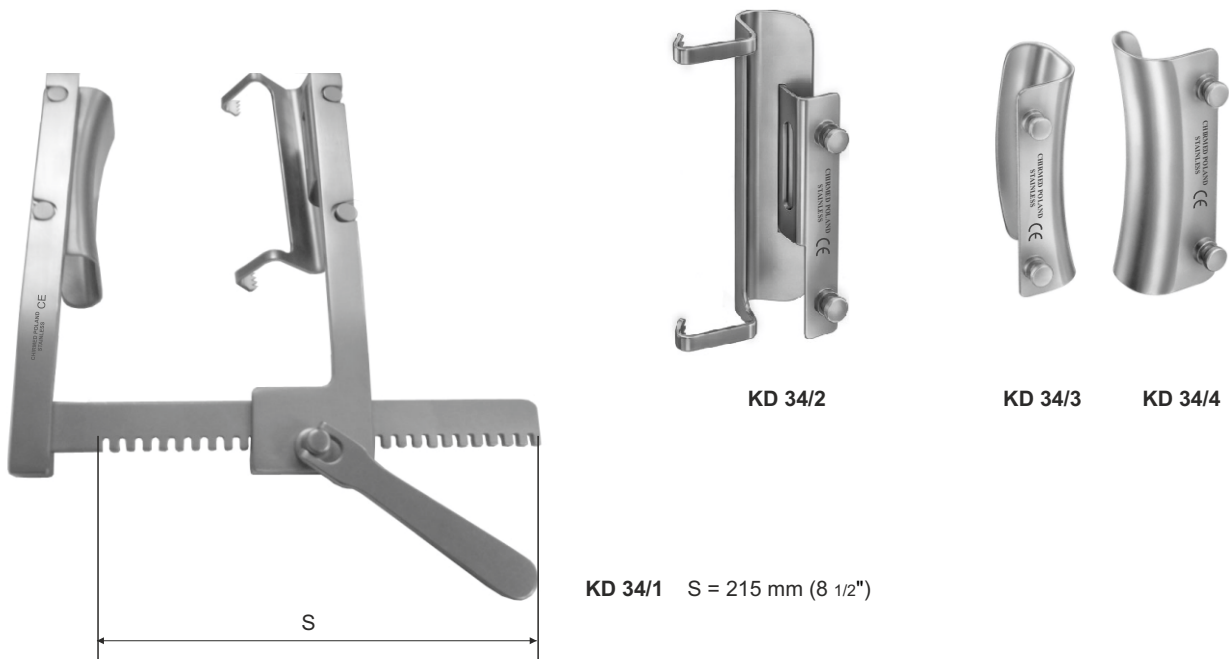
KD 81 H= 62 mm (2 1/2")
S= 165 mm (6 1/2")



KD 32 S= 160 mm (6 1/4")



KD 21 S = 190 mm (7 1/2")
KD 22 S = 240 mm (9 1/2")



KD 34/1 S = 215 mm (8 1/2")

Nr Kat. Cat. Ref. Kat. Nr Каталог товаров	Opis Descriptions Beschreibung Описание
KD 34/2	Bransza do Mammarii komplet - lewa i prawa bransza trzymająca Mammaria Blade set with left and right holding blades
KD 34/3	Bransza do mostka 30 x 100 mm - 1 para Strernum Blades 30 x 100 mm - 1 pair
KD 34/4	Bransza do mostka 40 x 100 mm - 1 para Strernum Blades 40 x 100 mm - 1 pair



KD 70 + KD 76



**KD 70 - 190 mm
KD 71 - 220 mm**

**Prowadnik
Introducer
Einführungsstift
Интродуктор**



**KD 72
40 x 35 mm**



**KD 73
50 x 35 mm**



**KD 74
60 x 35 mm**



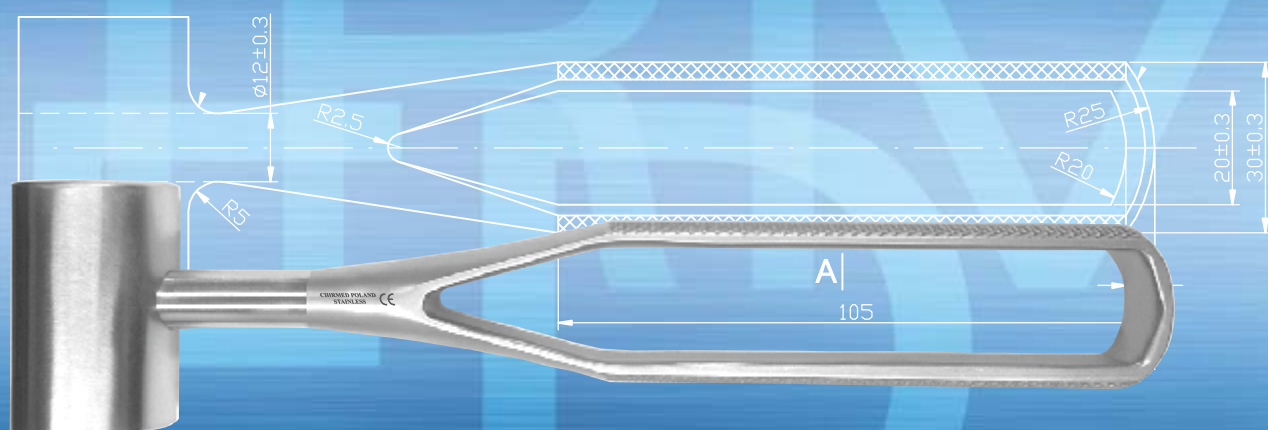
**KD 77
50 x 45 mm**



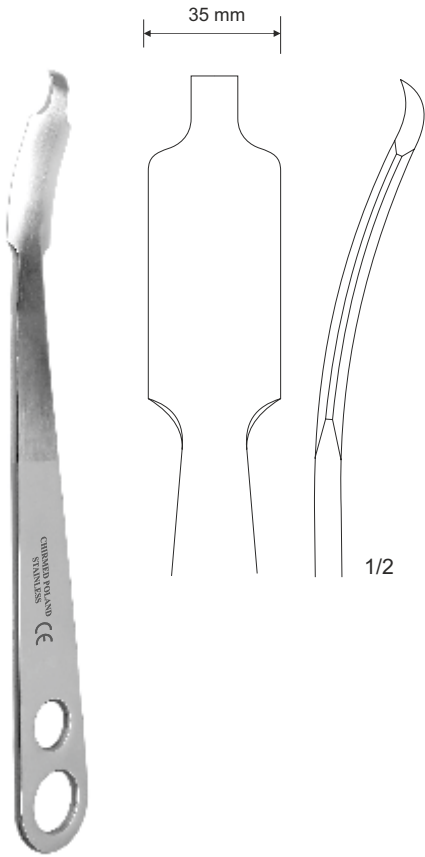
**KD 75
60 x 45 mm**



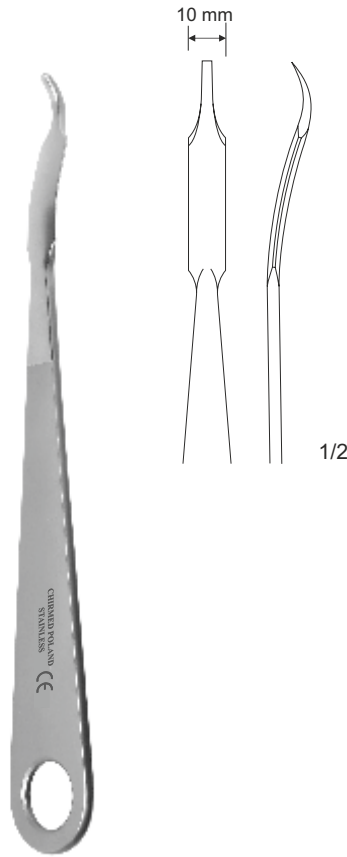
**KD 76
70 x 45 mm**



from IDEA to SOLUTION



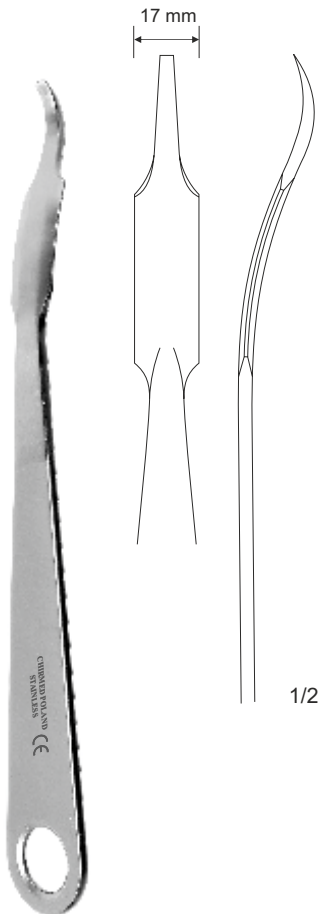
WAGNER
CK 20
220 mm (8 3/4")



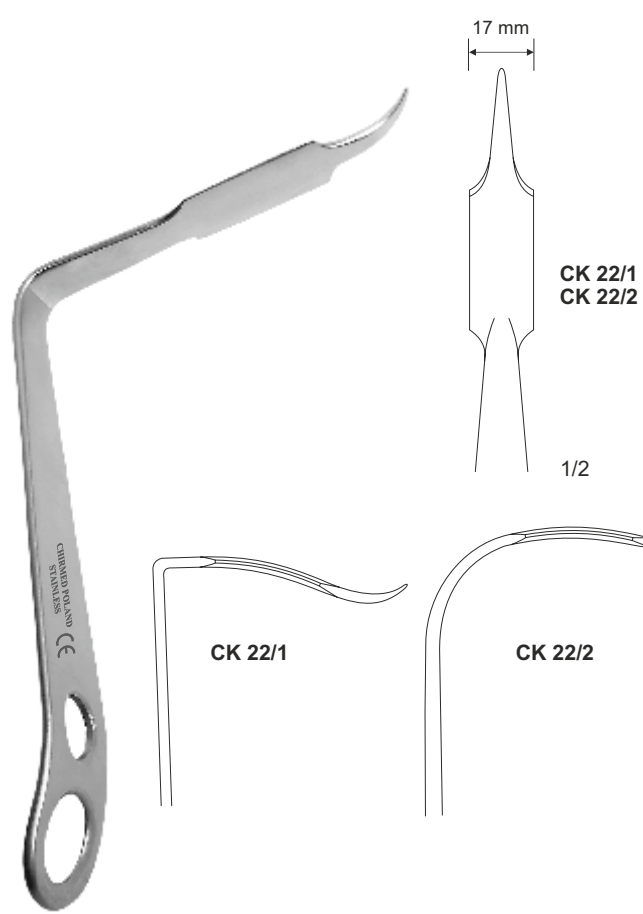
CK 21
220 mm (8 3/4")



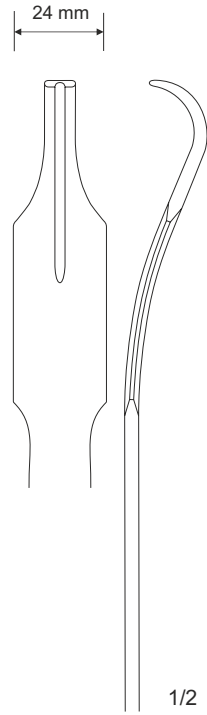
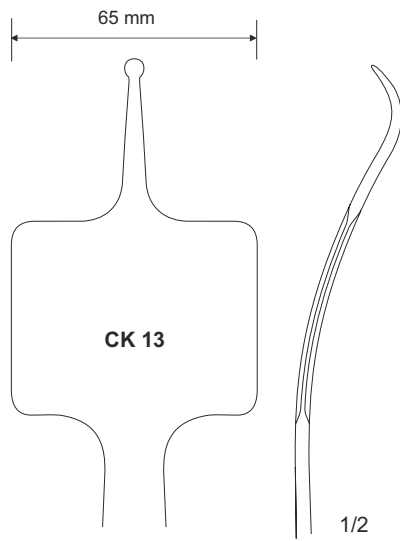
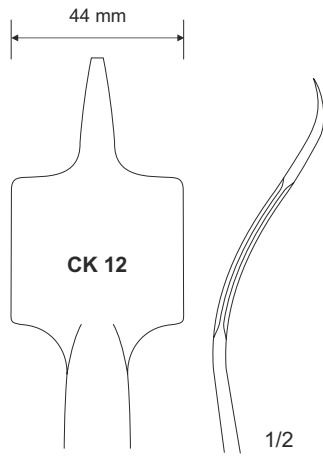
HOHMANN
CK 22
240 mm (9 1/2")



HOHMANN
CK 23
240 mm (9 1/2")

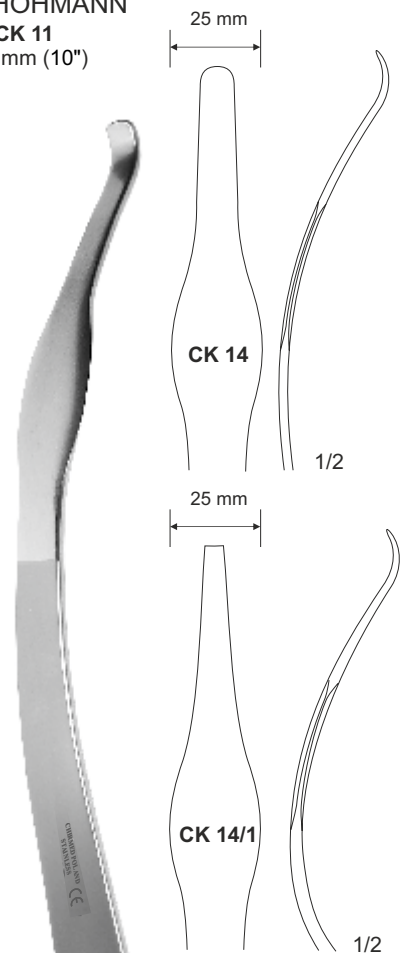
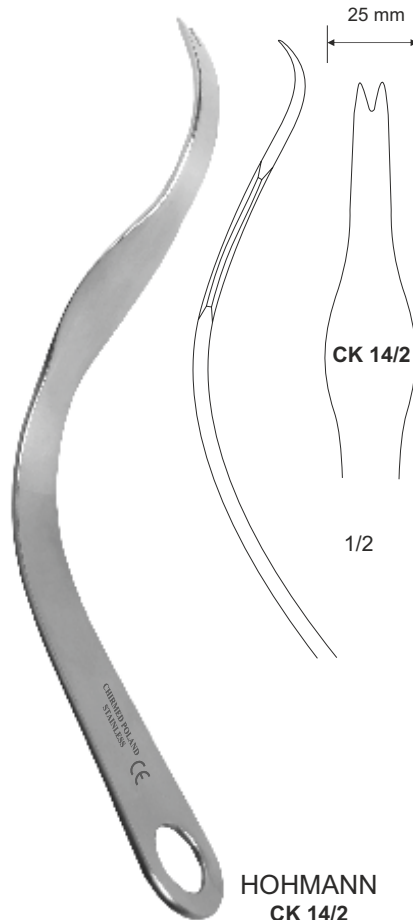
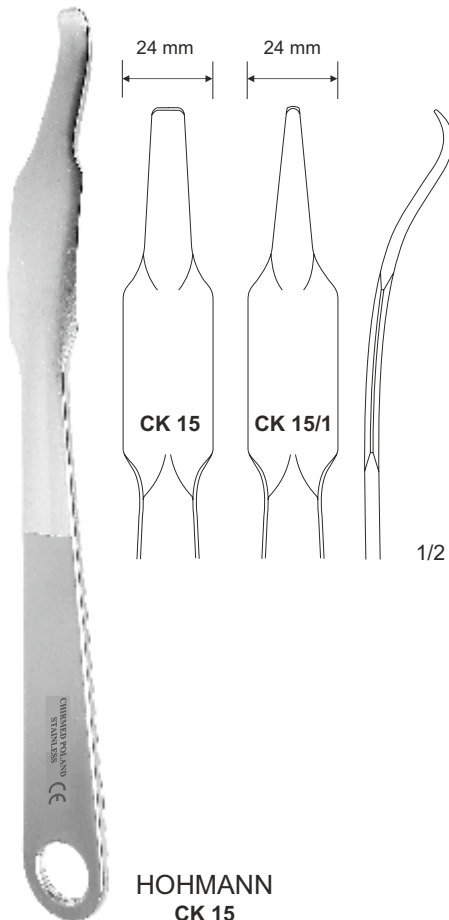


HOHMANN
240 mm (9 1/2")



VERBRUGGE-MÜLLER
CK 12 CK 13
240 mm (9 1/2") 255 mm (10")

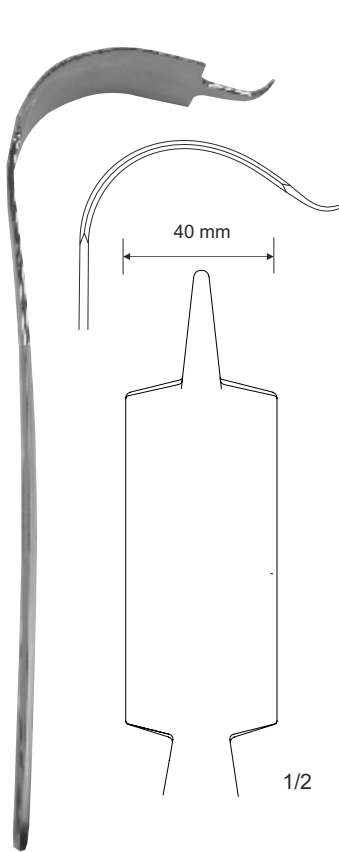
LANGE-HOHMANN
CK 11
250 mm (10")



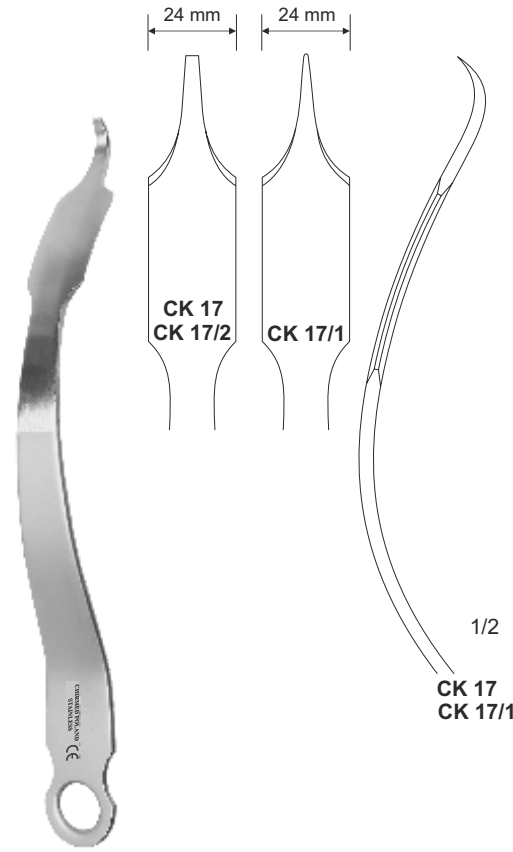
HOHMANN
CK 15
260 mm (10 1/4")

HOHMANN
CK 14/2
260 mm (10 1/4")

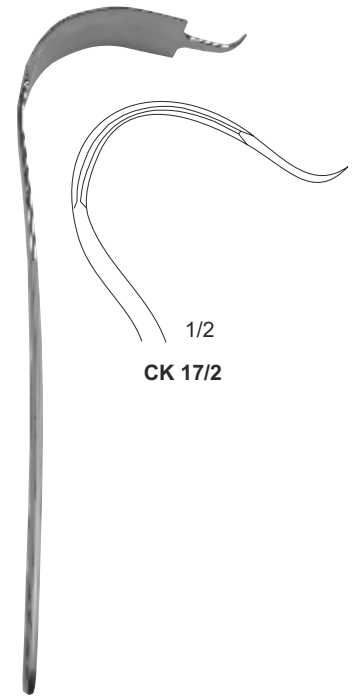
HOHMANN
CK 14/1
260 mm (10 1/4")



HOHMANN
CK 24
330 mm (13")



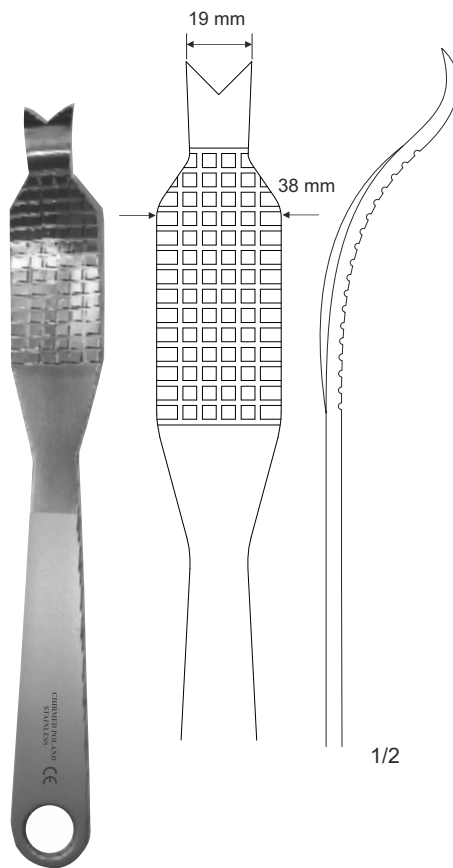
HOHMANN-ALDINGER
CK 17
270 mm (10 3/4")



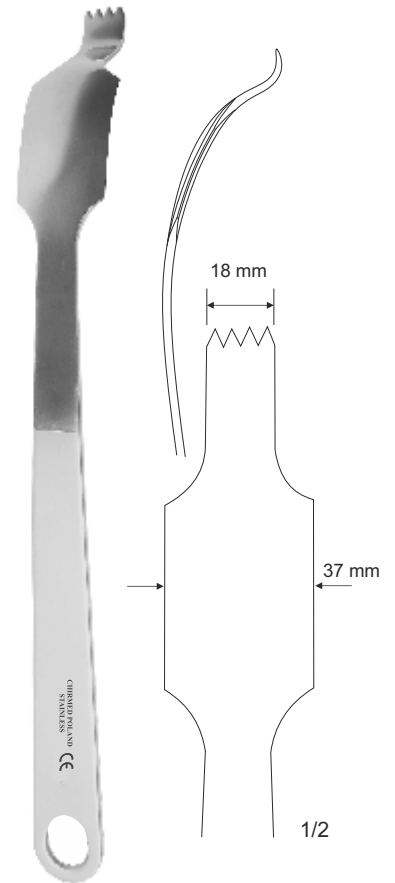
HOHMANN-ALDINGER
CK 17/2
270 mm (10 3/4")



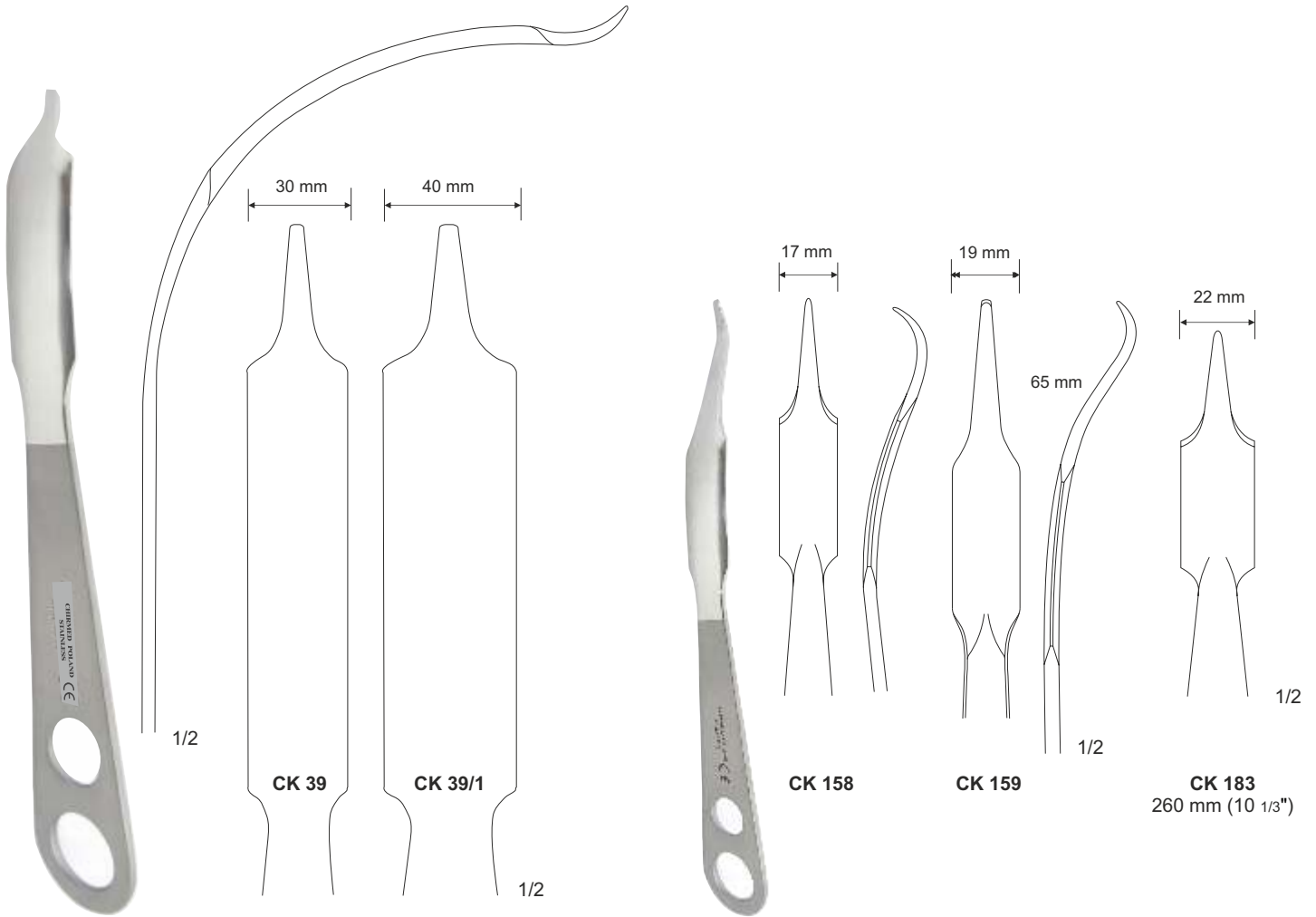
HOHMANN
CK 16
285 mm (11 1/4")



SCHUMACHER
CK 19
290 mm (11 1/2")

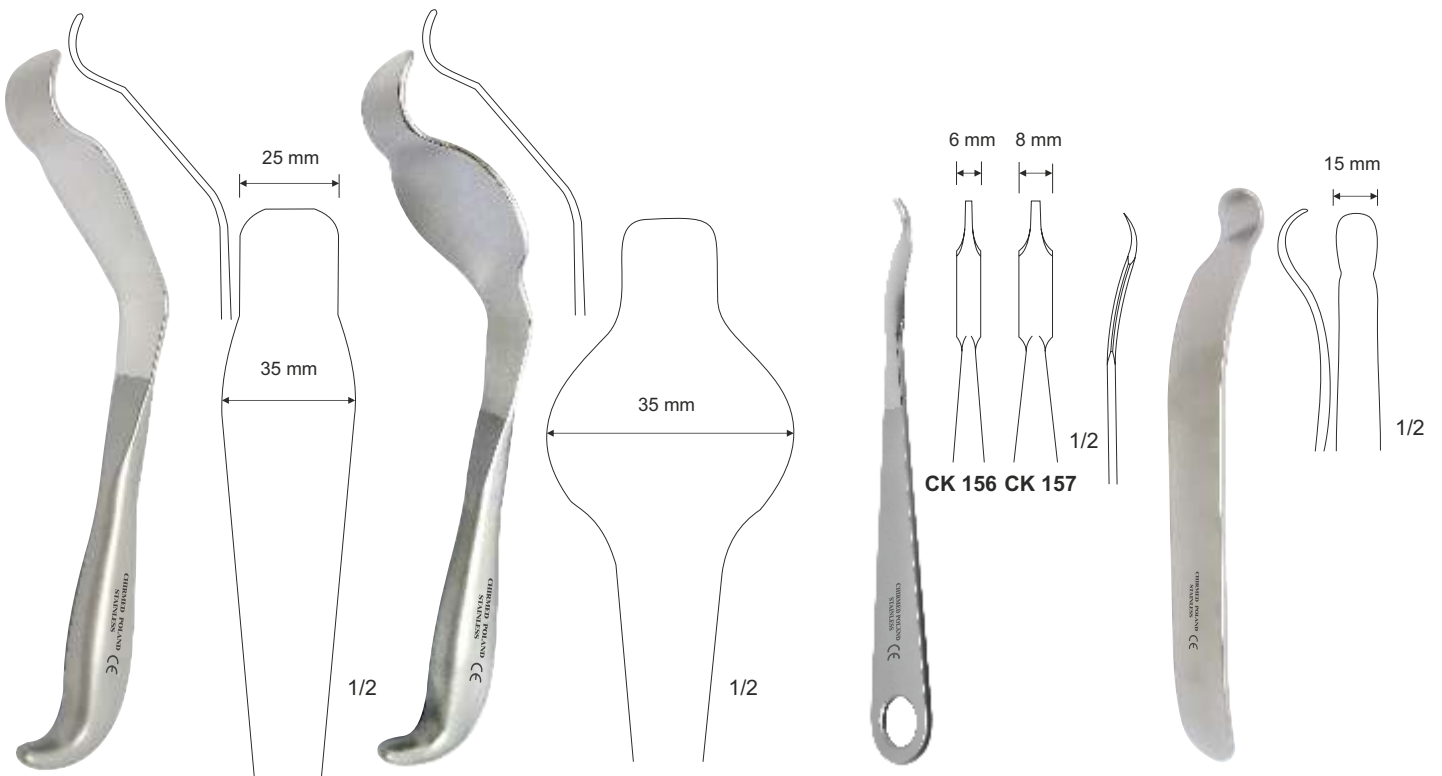


SCHUMACHER-WAGNER
CK 18
345 mm (13 1/2")



CK 39
370 mm (15")

HOHMANN
CK 158, CK 159
220 mm (8 2/3")



BENNETT
CK 154
260 mm (10")

BENNETT
CK 155
260 mm (10")

CK 156
160 mm (7 1/2")

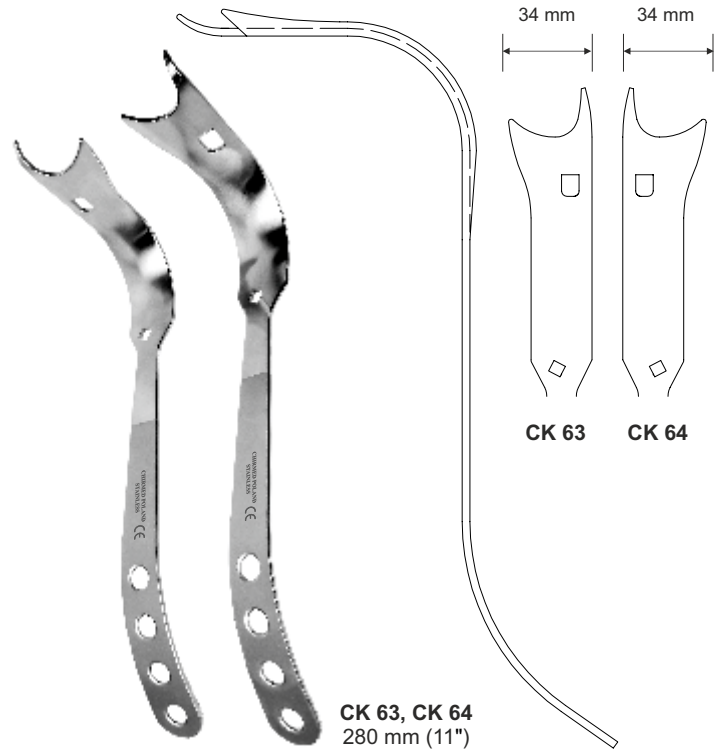
SOKOŁOWSKI
CK 162
165 mm (6 2/3")

KOMPLET: POBIJAK I PODWAŻKI DO STAWY BIODROWEGO (w skład zestawu wchodzi: CK 61, 2 x CK 62, CK 63, CK 64, CK 65, CK 66, CK 67)

SET: TEMPER AND LEVERS FOR HIP JOINT (set consists of: CK 61, 2 x CK 62, CK 63, CK 64, CK 65, CK 66, CK 67)

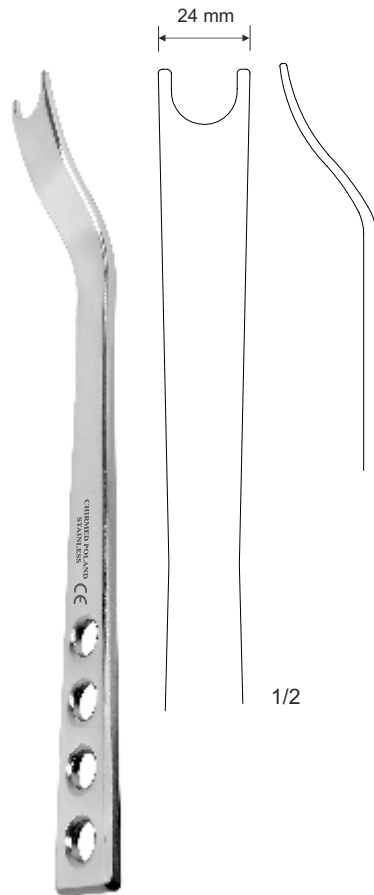
SET: STÖßEL UND KNOCHENHEBEL FÜR HÜFTGELENK (das Set beinhaltet: CK 61, 2 x CK 62, CK 63, CK 64, CK 65, CK 66, CK 67)

КОМПЛЕКТ: МОЛОТОК И РЕТРАКТОРЫ КОСТНЫЕ ДЛЯ ХИРУРГИИ ТАЗОБЕДРЕННОГО СУСТАВА (комплект состоит из: CK 61, 2 x CK 62, CK 63, CK 64, CK 65, CK 66, CK 67)

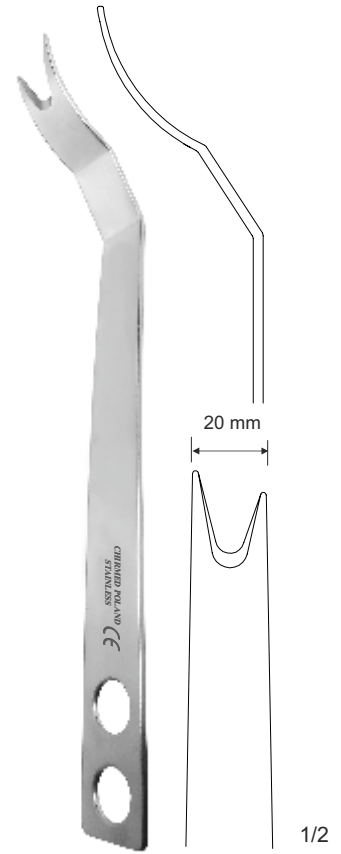




COBRA
CK 140
350 mm (13 3/4")



MÜLLER
CK 141
335 mm (13")



HOHMANN
CK 142
315 mm (11 1/3")



HOHMANN
CK 143
360 mm (14 1/4")



CK 144
345 mm (13 1/2")

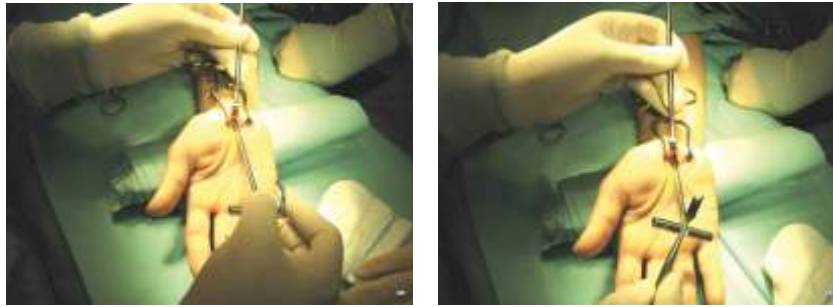
Zestaw do operacji małowazyjnych CTCTS Set for mini-open surgery CTCTS

ZALETY:

- Zmniejszenie ryzyka uszkodzenia nerwu środkowego poprzez użycie systemu kaniula/trokar,
- Technicznie prosta i opłacalna metoda wykonania otwartej małowazyjnej operacji cieśni nadgarstka (tylko 10-12 min.),
- Dobre rezultaty krótkoterminowe - w 90% zanotowano ustąpienie symptomów po 2 tygodniach.

ADVANTAGES:

- Reducing the risk of median nerve injury by using Cannula/trocar system,
- Technically simple and cost-effective way to perform mini-open CTR (only 10-12 min. to complete),
- Very good short-term results with 90% reporting relief in symptoms in 2 weeks.



Tępy trokar i kaniula są wprowadzone do kanału nadgarstka.
 Blunt trocar and cannula are inserted in the carpal canal.

Trokar jest usuwany i wprowadzany jest meniskotom do wzdłużnego nacięcia w kaniuli aby przeciąć poprzeczne więzadło nadgarstka oraz dystalną powięź przednią.
 Trocar is removed and Smilie-meniscotome is inserted in dorsal slot in cannula to cut open the transverse carpal ligament and distal ante-brachial fasciae.

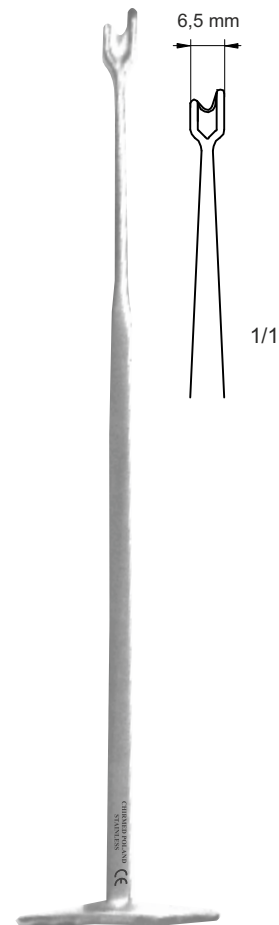
Meniskotom jest w 2/3 wprowadzony do kaniuli, tylko 1/3 wystaje aby przeciąć poprzeczne więzadło.
 The meniscotome is 2/3 contained in the cannula, only the upper 1/3 protrudes to cut transverse carpal ligament.



CK 186
 130 mm (5 1/8"), Ø 4,0 mm



CK 185
 114 mm (4 1/2")



CK 188
 170 mm (6 3/4")

Zestaw do operacji endoskopowych
Set for endoscopic surgeries

nożyk endoskopowy
Endoscopic knife Smilie
Endoskopisches Messer
Нож эндоскопический

osłodka optyki
do dekompresji nadgarstka/
optic protection
for decompression of wrist/
Abdeckung für Optik
für die Dekompression von Handgelenk/
Защита оптики
для декомпресии запястья

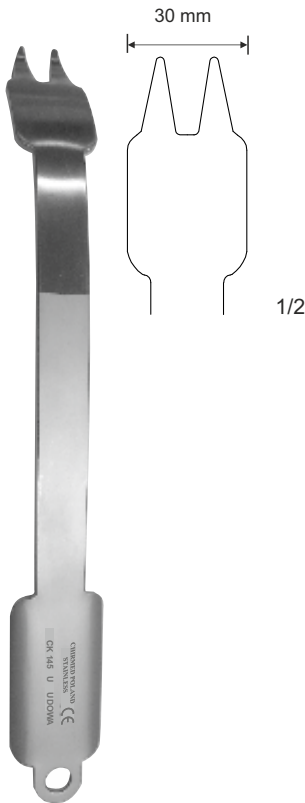


CK 151
115 mm (4 1/2")

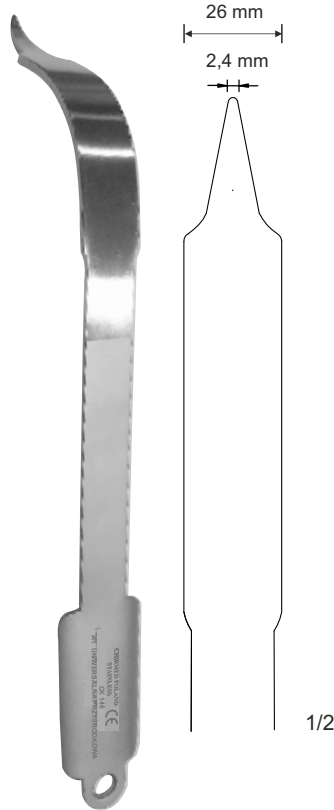


SMILIE
CK 150
175 mm (6 7/8")

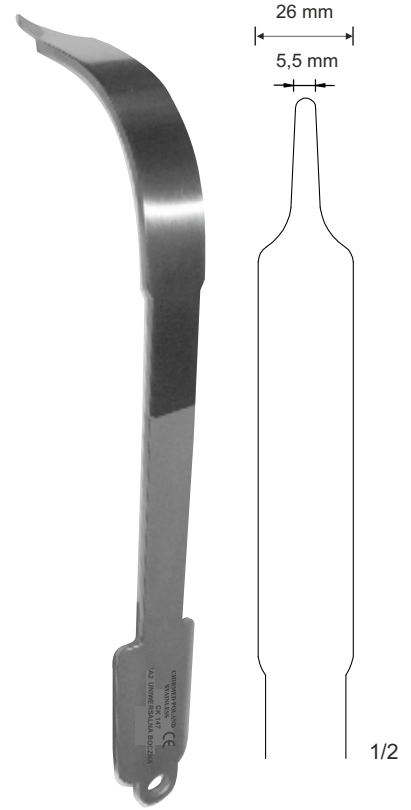
IDENTYFIKACJA: (U) Udowa	(A1) Uniwersalna Przyśrodkowa	(A2) Uniwersalna Boczna	(P1) Przednia	(P2) Panewkowa
IDENTIFICATION: (F) Femoral	(M) Universal-Medial	(L) Universal-Lateral	(AN) Anterior Acetabulum	(AC) Posterior Acetabulum
IDENTYFIKATION: (O) Oberschenkel	(M) Universal-Medial	(S) Universal Seitlich	(VN) Vorne Hüftpfanne	(HH) Hintere Hüftpfanne
ИДЕНТИФИКАЦИЯ: (Б) Бедренная	(M) универсальный медиальной	(C) универсальная сторона	(П) Передний	(B) Вертлужный



CK 145 (U)
325 mm (12 3/4")



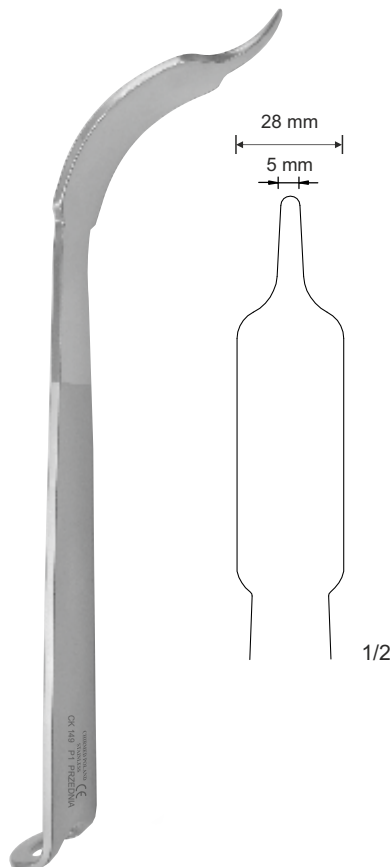
CK 146 (A1)
350 mm (13 2/3")



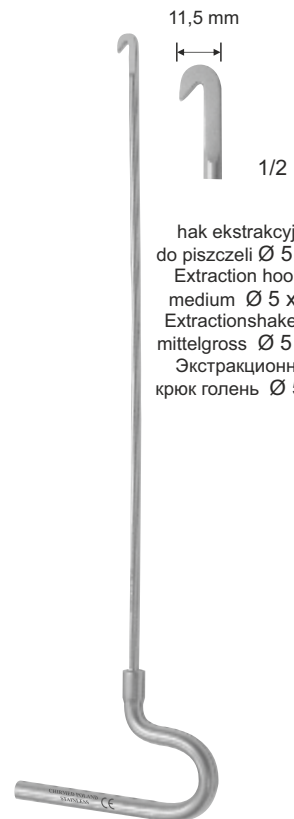
CK 147 (A2)
348 mm (13 2/3")



CK 148 (P2)
378 mm (14 7/8")

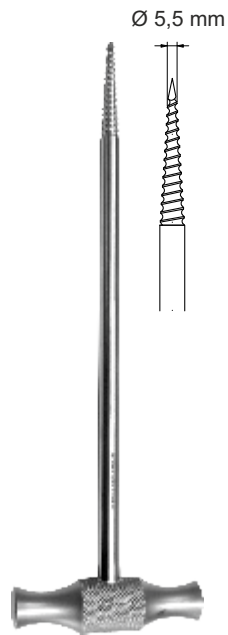


CK 149 (P1)
292 mm (11 1/3")



CK 152
430 mm (17")

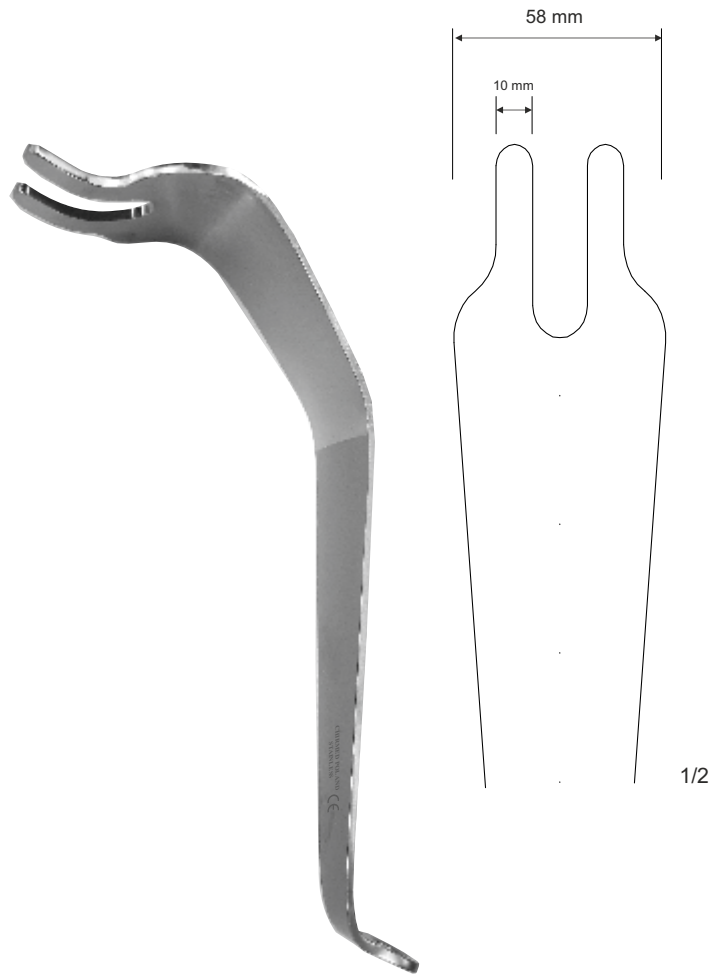
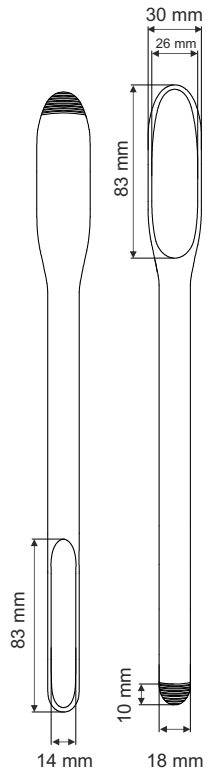
hak ekstrakcyjny średni
 do piszczeli Ø 5 x 430 mm
 Extraction hook for tibia,
 medium Ø 5 x 430 mm
 Extractionschaken für Tibia,
 mittलगross Ø 5 x 430 mm
 Экстракционная среда
 крюк голень Ø 5 x 430 мм



CK 181
250 mm (10"), Ø 5,5 mm, 10 mm

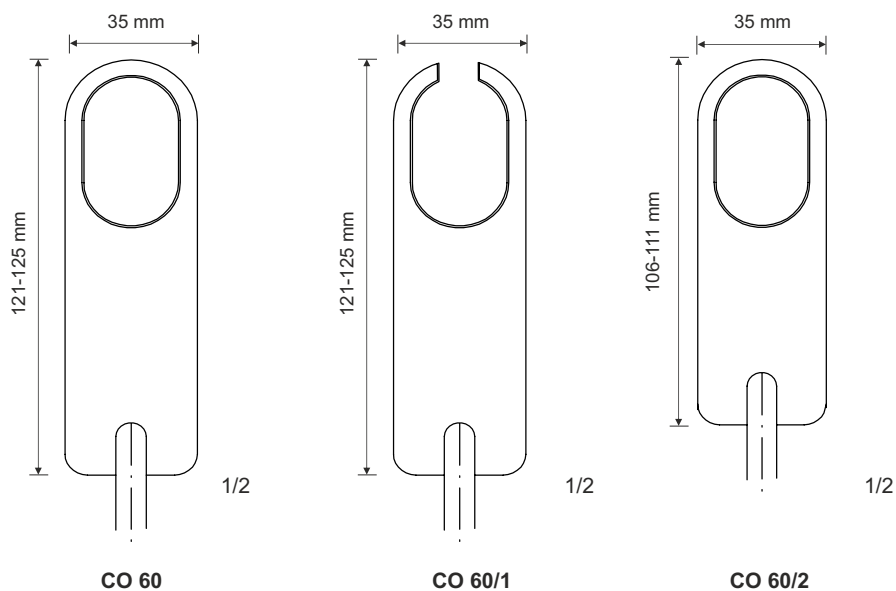


CK 200
300 mm (12")



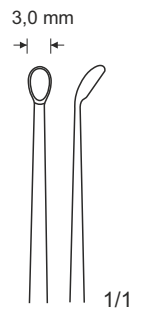
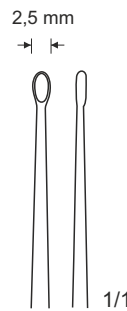
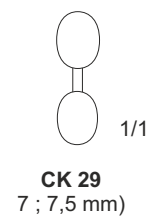
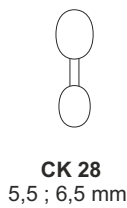
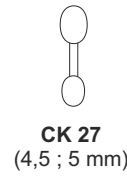
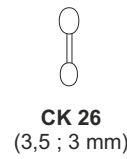
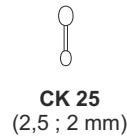
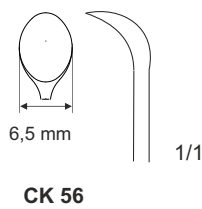
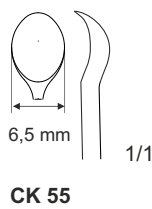
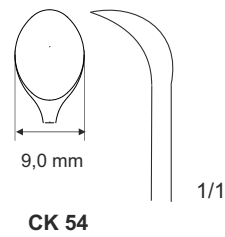
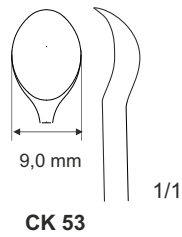
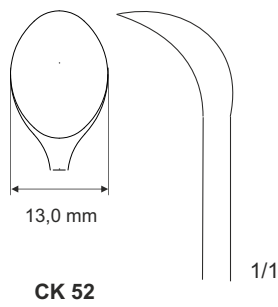
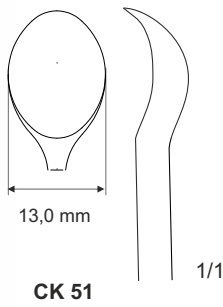
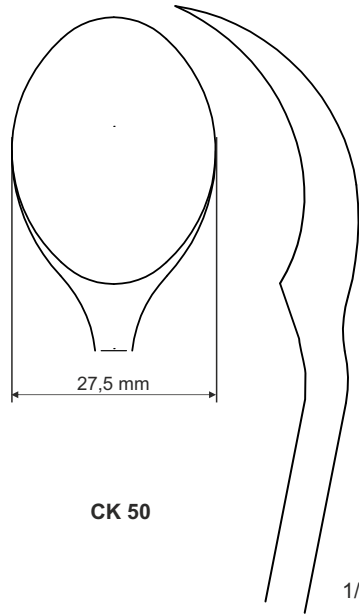
CK 165
318 mm (12 3/4")

PODWAŻKA DO ODSUNIĘCIA GŁOWY KOŚCI RAMIENNEJ W CZASIE ZABIEGU REKONSTRUKCJI OBRAŻKA PANEWKI
BONE LEVER FOR MOVING HUMERAL HEAD DURING HEM ACETABULUM TREATMENT
HUMERUSKOPFRETRAKTOR FÜR WIEDERBAU VON HÜFTPFANNE
РЕТРАКТОР ДЛЯ ПЕРЕМЕЩЕНИЯ ГОЛОВКИ КОСТИ ВО ВРЕМЯ РЕКОНСТРУКЦИИ ВЕРТЛУЖНОЙ ВПАДИНЫ



FUKUDA
CK 60
35 x 220 mm (8 2/3")

UCHWYT RADEL® (PPSU, TECASON PMT)
HANDLE RADEL® (PPSU, TECASON PMT)
GRIFF RADEL® (PPSU, TECASON PMT)
РУЧКА РАДЭЛ® (TECASON, PPSU)

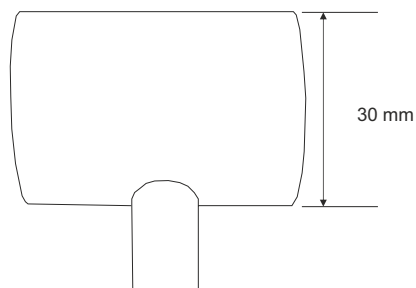


CK 50 - CK 55
330 mm (13")

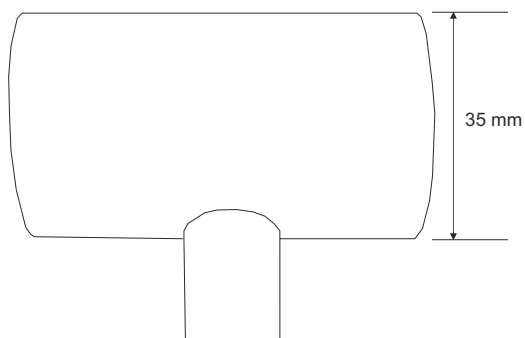
VOLKMANN
CK 25 - CK 29
160 mm (6 1/4")

CK 132
190 mm (7 1/2")

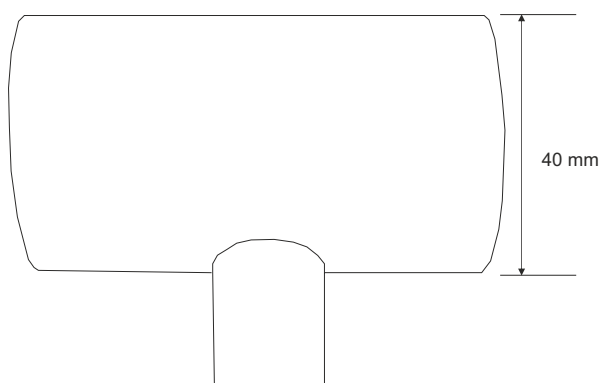
CK 133
190 mm (7 1/2")



HEAT
CK 40
235 mm (9"), Ø 30 mm
waga 650g
Weight 650g
Gewicht 650g
вєс 650g



HEAT
CK 41
245 mm (9 2/3"), Ø 35 mm
waga 900g
Weight 900g
Gewicht 900g
вєс 900g



HEAT
CK 42
255 mm (10"), Ø 40 mm
waga 1100g
Weight 1100g
Gewicht 1100g
вєс 1100g



CK 40 - CK 42



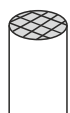
CK 160
waga 2000g
Weight 2000g
Gewicht 2000g
вєс 2000g

CK 43
waga 3000g
Weight 3000g
Gewicht 3000g
вєс 3000g

CK 43/M
waga 2300g
Weight 2300g
Gewicht 2300g
вєс 2300g

CK 160
228 mm (9"), Ø 55 mm
CK 43
240 mm (9 1/2"), Ø 65 mm
CK 43/M
228 mm (9"), Ø 55 mm

UCHWYT RADEL® (PPSU, TECASON PMT)
HANDLE RADEL® (PPSU, TECASON PMT)
GRIFF RADEL® (PPSU, TECASON PMT)
РУЧКА РАДЭЛ® (TECASON, PPSU)



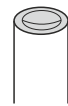
CK 90/1
Ø 3,0 mm



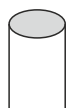
CK 90
Ø 5,0 mm



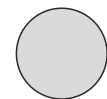
CK 90/2
Ø 8,0 mm



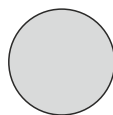
CK 95
Ø 5,0 mm



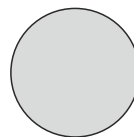
CK 91
Ø 10,0 mm



CK 92
Ø 12,0 mm



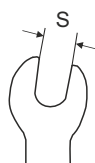
CK 93
Ø 15,0 mm



CK 94
Ø 18,0 mm



CK 90 - CK 94
210 mm (8 1/4")

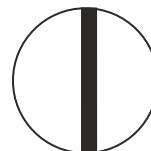


- CK 70 S = 6 mm**
- CK 71 S = 7 mm**
- CK 72 S = 8 mm**
- CK 73 S = 9 mm**
- CK 74 S = 10 mm**
- CK 75 S = 11 mm**
- CK 76 S = 12 mm**
- CK 77 S = 13 mm**
- CK 78 S = 14 mm**
- CK 79 S = 17 mm**

CK 70 - CK 79



Śrubokręt płaski
Srew driver
Schlitzschraubendreher
Плоская отвертка



CK 80
Śrubokręt płaski
Srew driver
Schlitzschraubendreher
Плоская отвертка

Śrubokręt krzyżowy
Cross Head
Phillips-Schraubendreher
Крестовая отвертка

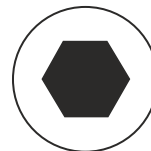


CK 81 do wkrętów/ for screws/
Schrauben/ винты 2,0 mm

CK 82 do wkrętów/ for screws/
Schrauben/ винты 2,7 - 4,0 mm

CK 83 do wkrętów/ for screws/
Schrauben/ винты 4,5 - 6,5 mm

Śrubokręt heksagonalny
Hexagonal Head
Sechskant-Schraubendreher
шестиугольная отвертка



CK 84 do wkrętów/ for screws/
Schrauben/ винты 1,5 - 2,0 mm

CK 85 do wkrętów/ for screws/
Schrauben/ винты 2,7 - 4,0 mm

CK 86 do wkrętów/ for screws/
Schrauben/ винты 2,7 - 4,0 mm

Śrubokręt gwiazdkowy
Star Head
Schraubendreher Stern
Отвертка звезда



CK 87 do wkrętów/ for screws/
Schrauben/ винты 2,0 mm

CK 88 do wkrętów/ for screws/
Schrauben/ винты 2,7 - 4,0 mm

CK 89 do wkrętów/ for screws/
Schrauben/ винты 4,5 - 6,5 mm

CK 80 - CK 89
220 mm (8 2/3")

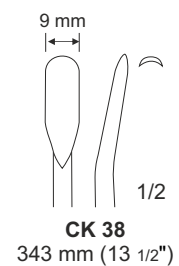
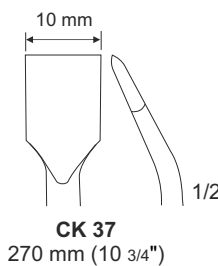
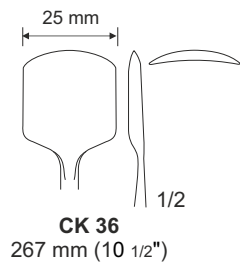
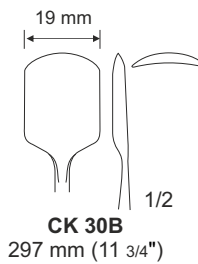
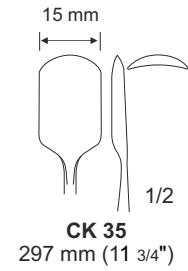
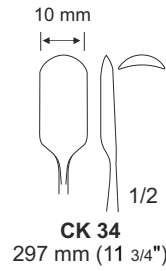
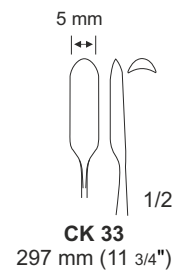
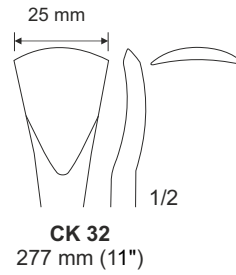
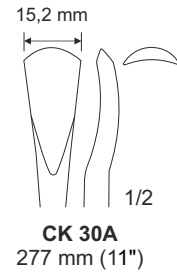
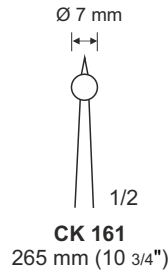
UCHWYT RADEL® (PPSU, TECASON PMT)
HANDLE RADEL® (PPSU, TECASON PMT)
GRIFF RADEL® (PPSU, TECASON PMT)
РУЧКА РАДЭЛ® (TECASON, PPSU)



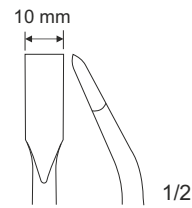
CK 30
337 mm (13 1/4")



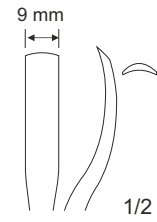
CK 31
277 mm (10 3/4")



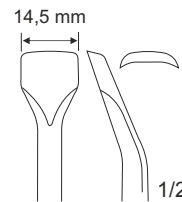
UCHWYT RADEL® (PPSU, TECASON PMT)
HANDLE RADEL® (PPSU, TECASON PMT)
GRIFF RADEL® (PPSU, TECASON PMT)
РУЧКА РАДЭЛ® (TECASON, PPSU)



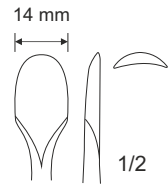
CK 31A
270 mm (10 3/4")



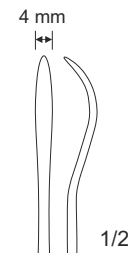
CK 10B
272 mm (10 3/4")



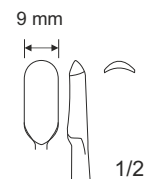
CK 31C
265 mm (10 1/2")



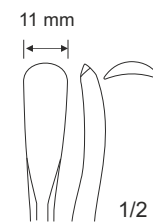
CK 30F
296 mm (11 3/4")



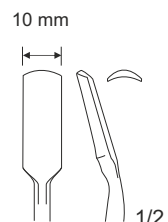
WAGNER CK 10
330 mm (13")



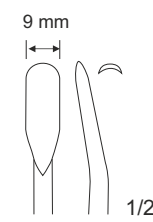
CK 30
337 mm (13 1/4")



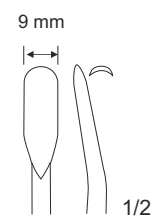
CK 30C
272 mm (10 3/4")



CK 31
277 mm (10 3/4")



CK 31G
343 mm (13 1/2")



CK 31F
335 mm (13")



CK 30
337 mm (13 1/4")

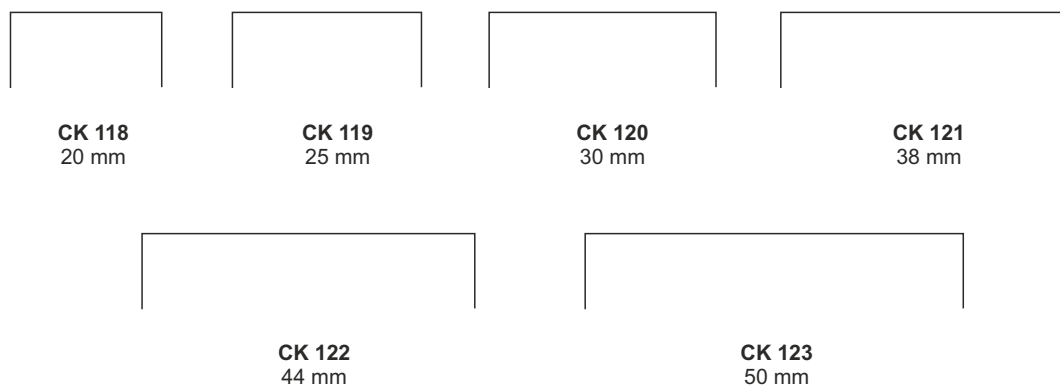
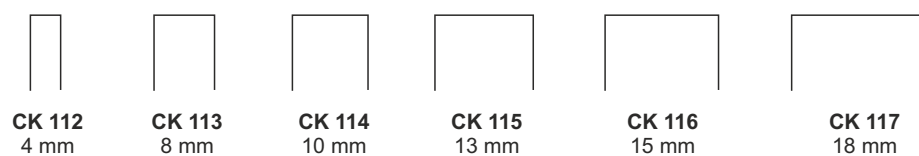
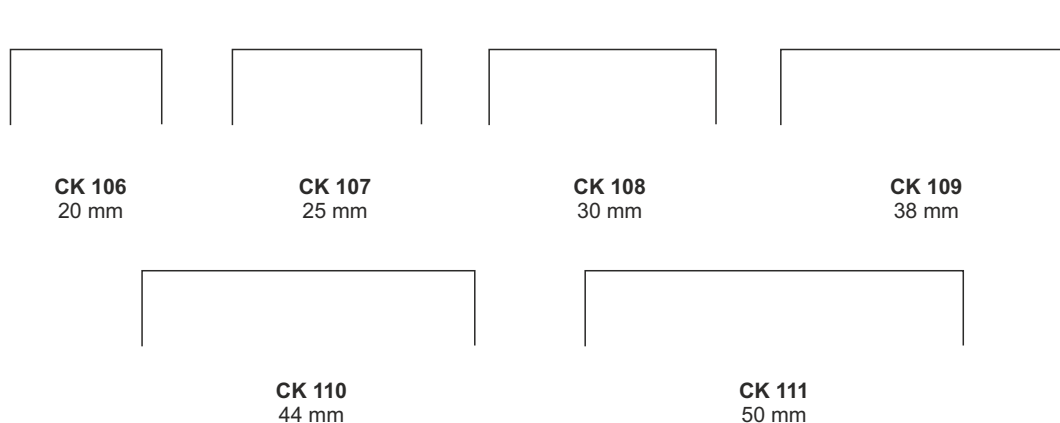
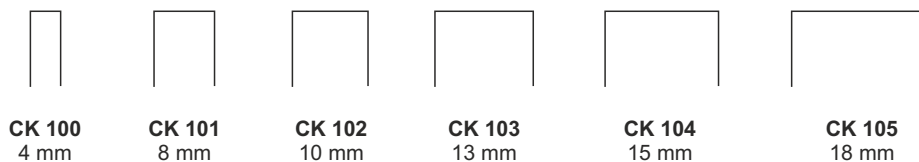


CK 31
277 mm (10 3/4")



OSTEOTOM
 OSTEOTOME
 OSTEOTOME
 ОСТЕОТОМ

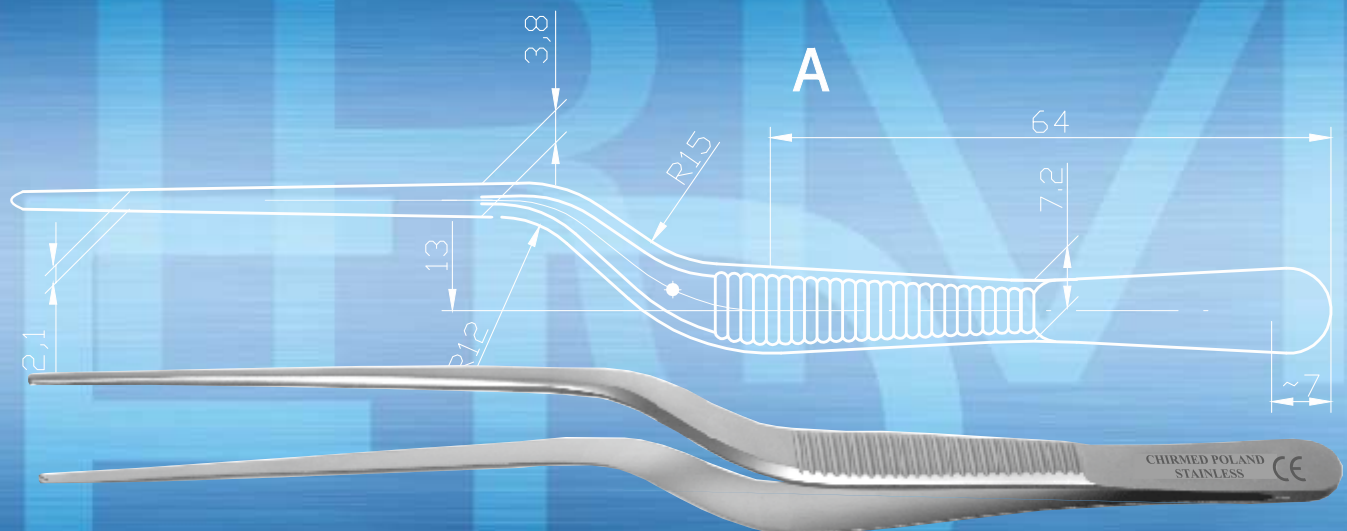
DŁUTO
 CHISEL
 MEIßEL
 ДОЛОТО



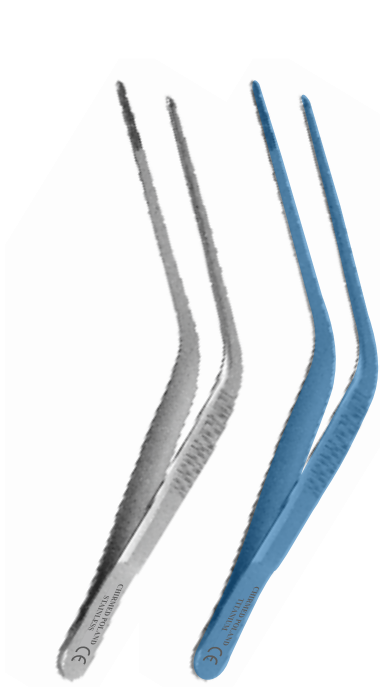
LAMBOTTE
 CK 100 - CK 123
 245 mm (9 3/4")

CHIRMED®

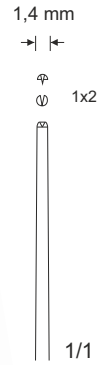
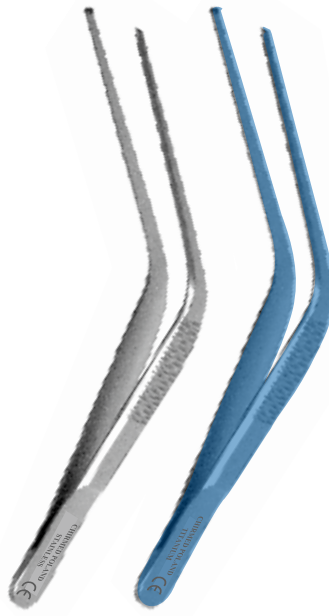
Laryngologia
Laryngology
Laryngologie
Ларингология



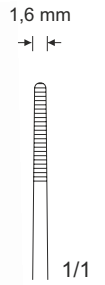
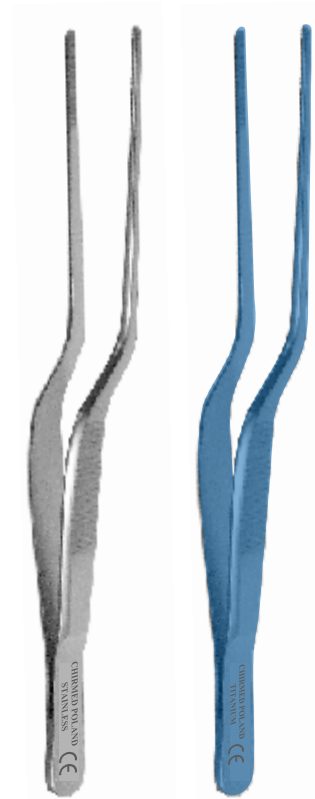
from IDEA to SOLUTION



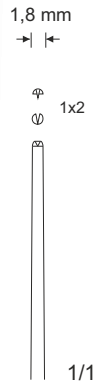
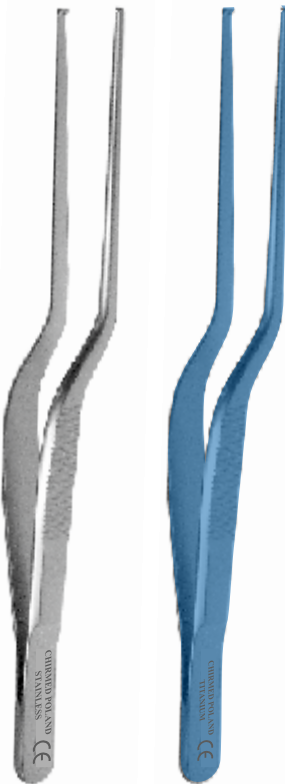
TROELTSCH
LG 10 LG 10/T
 100 mm (4")
TITANIUM



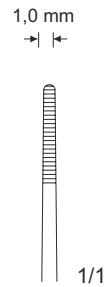
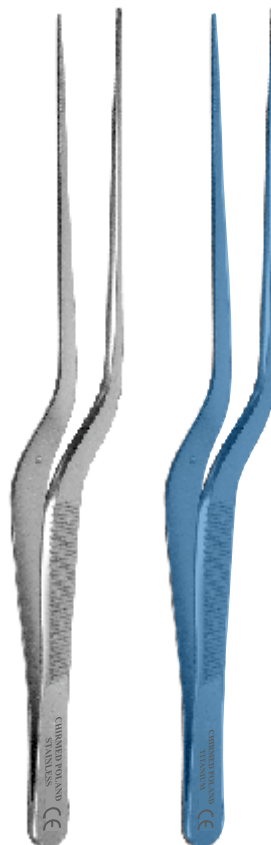
TROELTSCH
LG 11 LG 11/T
 100 mm (4")
TITANIUM



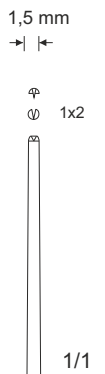
LUCAE
LG 12 LG 12/T
 140 mm (5 1/2")
TITANIUM



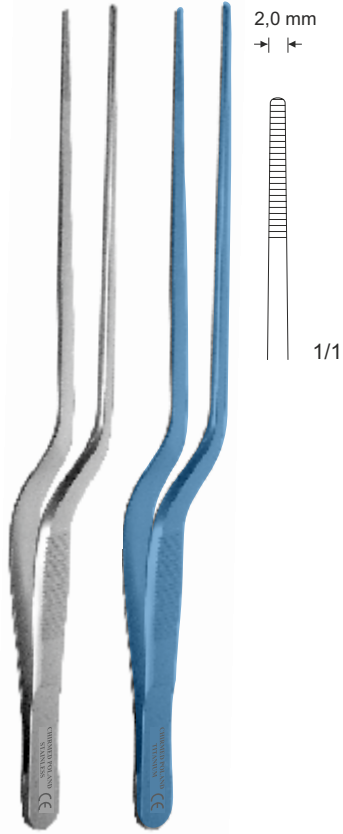
LUCAE
LG 13 LG 13/T
 140 mm (5 1/2")
TITANIUM



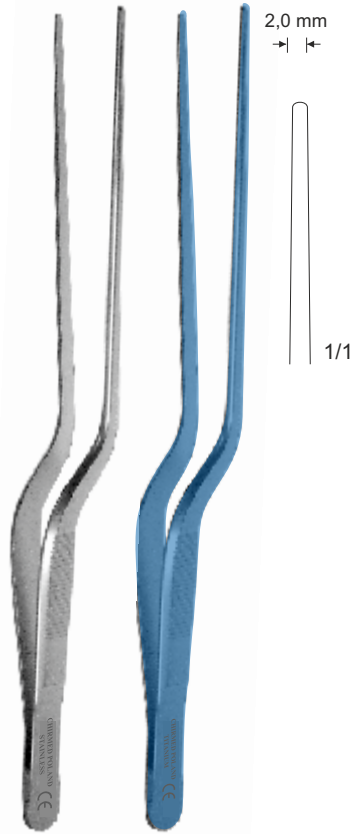
LG 18 LG 18/T
 170 mm (6 3/4")
TITANIUM



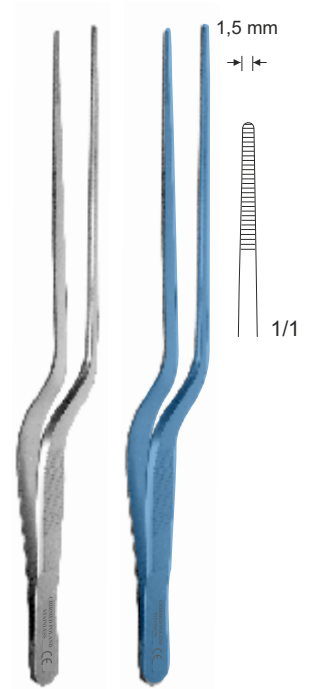
LG 18/B LG 18/B/T
 170 mm (6 3/4")
TITANIUM



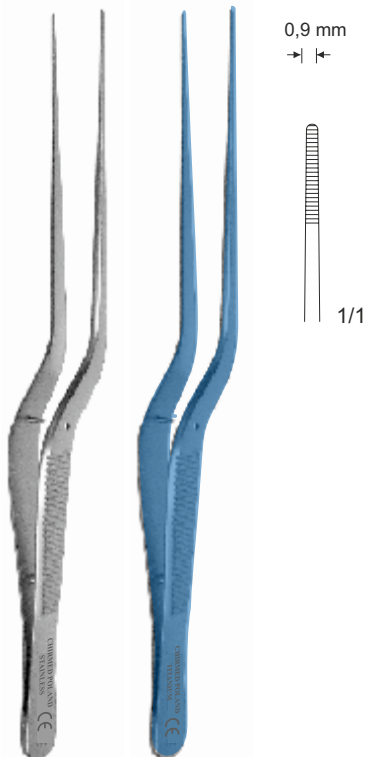
GRÜNWALD
LG 23 LG 23/T
 200 mm (8")
TITANIUM



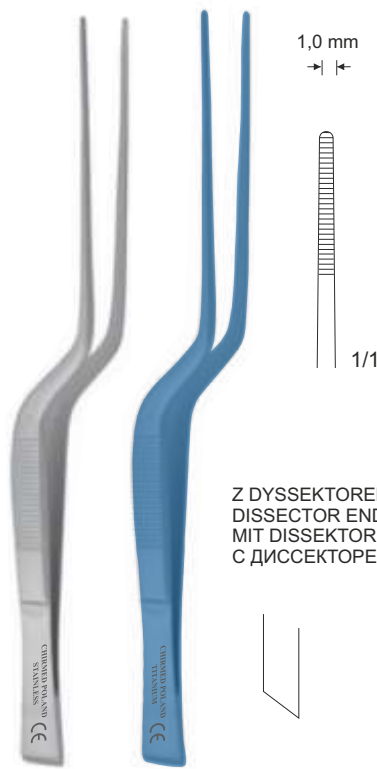
GRÜNWALD
LG 61 LG 61/T
 200 mm (8")
TITANIUM



JANZEN
LG 22 LG 22/T
 160 mm (6 1/4")
TITANIUM



LG 19 LG 19/T
 170 mm (6 3/4")
TITANIUM



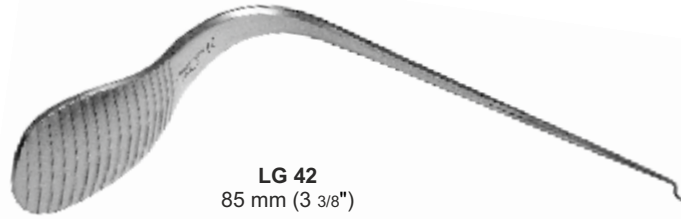
LG 18/1 LG 18/1/T
 170 mm (6 3/4")
TITANIUM

Z DYSSEKTOREM
 DISSECTOR END
 MIT DISSEKTOR ENDE
 С ДИССЕКТОРЕ



LG 18/2 LG 18/2/T
 170 mm (6 3/4")
TITANIUM

Z DYSSEKTOREM
 DISSECTOR END
 MIT DISSEKTOR ENDE
 С ДИССЕКТОРЕ

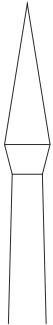
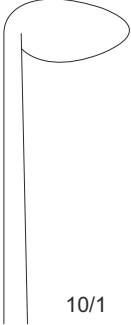
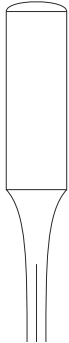
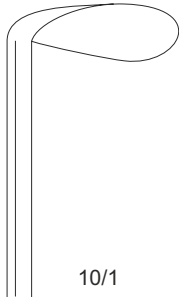
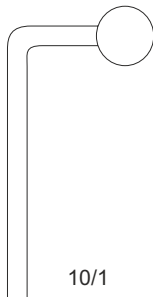
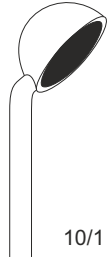


LG 42
 85 mm (3 3/8")

<p>10/1</p>	<p>10/1</p>	<p>10/1</p>	<p>10/1</p>	<p>10/1</p>	<p>10/1</p>	<p>10/1</p>
<p>LG 30 85 mm (3 3/8") Podważka odgięta w dół Elevator, angled downwards Hebel nach unten gebogen Подниматель отогнутый вниз</p>	<p>LG 34 85 mm (3 3/8") Iгла Needle Nadel Игла</p>	<p>LG 35 85 mm (3 3/8") Haczyk odgięty w prawo Hook, angled right Haken nach rechts gebogen Подниматель отогнутый в левую сторону</p>	<p>LG 39 85 mm (3 3/8") Haczyk odgięty płaski górny Hook, flat, angled upwards Flachhaken nach oben gebogen Крючок отогнутый плоский верхний</p>	<p>LG 41 85 mm (3 3/8") Haczyk odwrócony górny Hook, retrograde curved upwards Haken oben umgekehrt Крючок повернутый верхний</p>	<p>LG 43 85 mm (3 3/8") Podważka z nacięciem lewa Elevator, notched, left Hebel, links, gekerbt Подниматель с насечкой левый</p>	<p>LG 45 85 mm (3 3/8") Nóż łukowy górny Sickle knife, slightly curved, upwards Messe nach unten gebogen Нож дугообразный верхний</p>
<p>LG 31 85 mm (3 3/8") Podważka odgięta do góry Elevator, angled upwards Hebel nach oben gebogen Подниматель отогнутый вверх</p>		<p>LG 36 85 mm (3 3/8") Haczyk odgięty w lewo Hook, angled left Haken nach links gebogen Крючок отогнутый в левую сторону</p>	<p>LG 40 85 mm (3 3/8") Haczyk odgięty płaski dolny Hook, flat, angled downwards Flachhaken nach unten gebogen Крючок отогнутый плоский нижний</p>	<p>LG 42 85 mm (3 3/8") Haczyk odwrócony dolny Hook, retrograde curved downwards Haken unten umgekehrt Крючок повернутый нижний</p>	<p>LG 44 85 mm (3 3/8") Podważka z nacięciem prawa Elevator, notched, right Hebel, rechts, gekerbt Подниматель с насечкой правый</p>	<p>LG 46 85 mm (3 3/8") Nóż łukowy dolny Sickle knife, slightly curved, downwards Messer nach oben gebogen Нож дугообразный нижний</p>
<p>LG 32 85 mm (3 3/8") Podważka odgięta w lewo Elevator, angled left Hebel nach links gebogen Подниматель отогнутый в левую сторону</p>		<p>LG 37 85 mm (3 3/8") Haczyk odgięty w górę Hook, angled upwards Haken nach oben gebogen Крючок отогнутый вверх</p>				
<p>LG 33 85 mm (3 3/8") Podważka odgięta w prawo Elevator, angled right Hebel nach rechts gebogen Подниматель отогнутый в правую сторону</p>		<p>LG 38 85 mm (3 3/8") Haczyk odgięty w dół Hook, angled downwards Haken nach unten gebogen Крючок отогнутый вниз</p>				

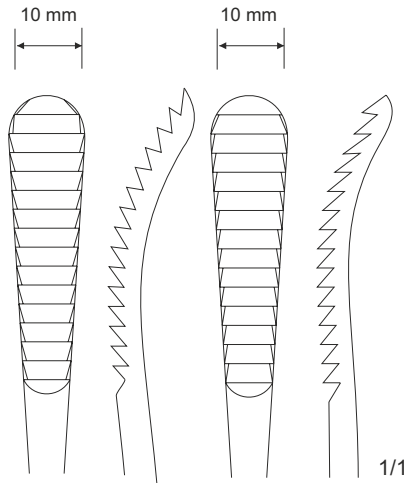


LG 42
85 mm (3 3/8")

 <p>10/1</p>	 <p>10/1</p>	 <p>10/1</p>	 <p>10/1</p>	 <p>10/1</p>	 <p>10/1</p>
<p>LG 47 85 mm (3 3/8") Nóż lancowy lewy Lancet knife, curved to the left Lanzettenmesser links Нож копьёобразный левый</p>	<p>LG 49 85 mm (3 3/8") Nóż zaokrąglony górny 90° Round cutting knife, angled upwards 90° Oberrundschnittmesser, abgewinkelt 90° Нож закругленный верхний 90°</p>	<p>LG 51 85 mm (3 3/8") Ubijak Hammer Трамбовка</p>	<p>LG 52 85 mm (3 3/8") Nóż płaski górny Knife, flat angled upwards Oberflachmesser Нож плоский верхний</p>	<p>LG 54 85 mm (3 3/8") Zgłębnik odgięty w górę Excavator, angled upwards Explorer nach oben gebogen Прообоитбиритель отогнутый вверх</p>	<p>LG 56 85 mm (3 3/8") Łyżka lekko odgięta górna Curette slightly curved upwards Oberer Löffel, leicht gebogen Ложечка легко отогнутая вверх</p>
<p>LG 48 85 mm (3 3/8") Nóż lancowy prawy Lancet knife, curved to the right Lanzettenmesser rechts Нож копьёобразный правый</p>	<p>LG 50 85 mm (3 3/8") Nóż zaokrąglony dolny 90° Round cutting knife, angled downwards 90° Unterrundschnittmesser, abgewinkelt 90° Нож закругленный нижний 90°</p>		<p>LG 53 85 mm (3 3/8") Nóż płaski dolny Knife, flat angled downwards Unterflachmesser Нож плоский нижний</p>	<p>LG 55 85 mm (3 3/8") Zgłębnik odgięty w dół Excavator, angled downwards Explorer nach unten gebogen Прообоитбиритель отогнутый вниз</p>	<p>LG 57 85 mm (3 3/8") Łyżka lekko odgięta dolna Curette slightly curved downwards Unterer Löffel leicht gebogen Ложечка легко отогнутая вниз</p>
					<p>LG 58 85 mm (3 3/8") Łyżka mocno odgięta górna Curette curved upwards Oberer Löffel, stark gebogen Ложечка сильно отогнутая вверх</p>
					<p>LG 59 85 mm (3 3/8") Łyżka mocno odgięta dolna Curette curved downwards Unterer Löffel, stark gebogen Ложечка сильно отогнутая вниз</p>



LG 28, LG 29
 195 mm (7 3/5")

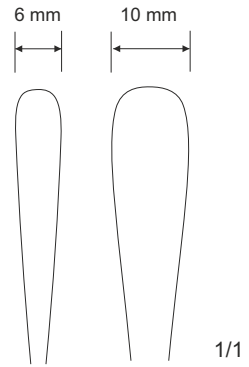


LG 28

LG 29



LG 20, LG 21
 230 mm (9")



LG 20

LG 21

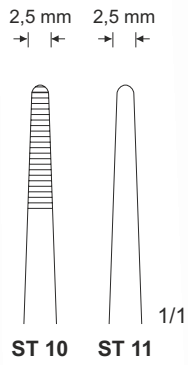
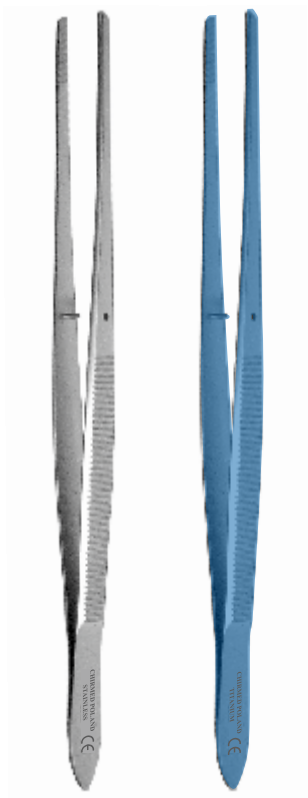


CHIRMED®

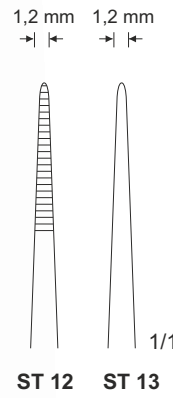
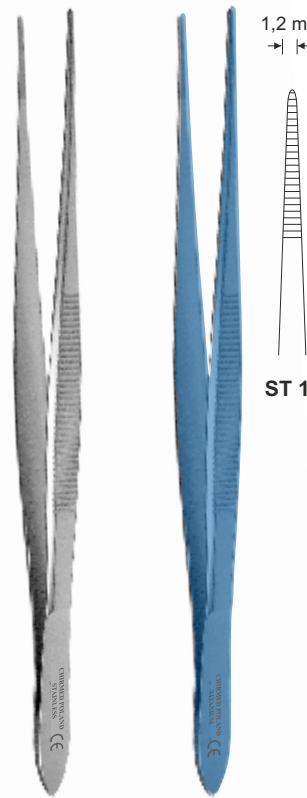
Stomatologia
Stomatology
Stomatologie
Стоматология



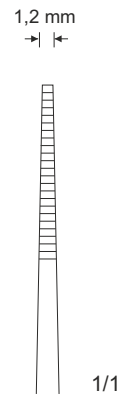
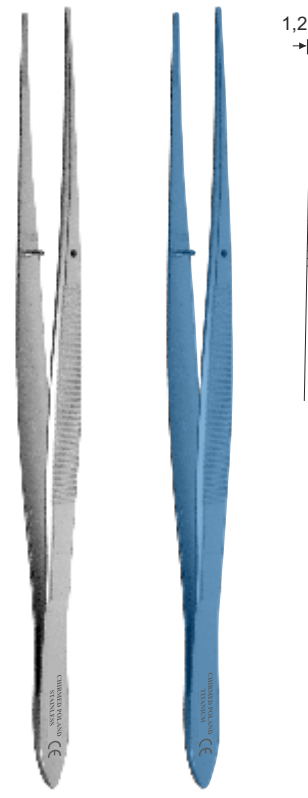
from IDEA to SOLUTION



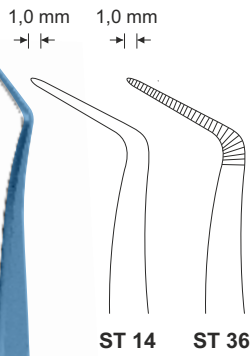
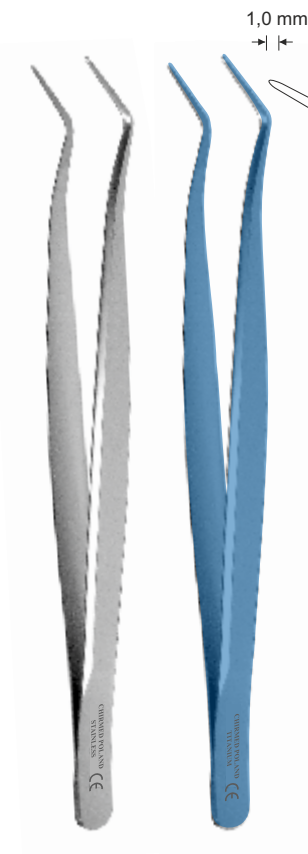
ST 10, ST 11 ST 10/T, ST 11/T
160 mm (6 1/4")
TITANIUM



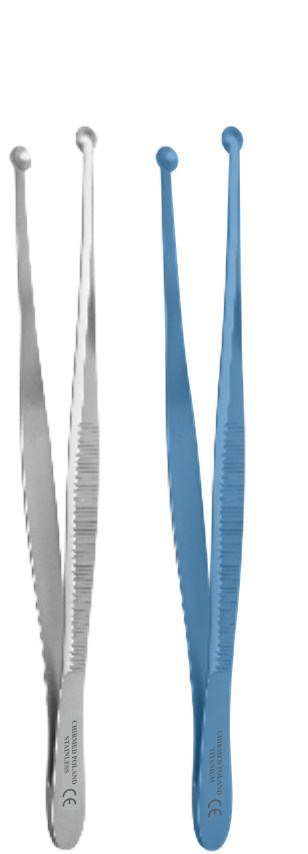
ST 12, ST 13 ST 12/T, ST 13/T
160 mm (6 1/4")
TITANIUM



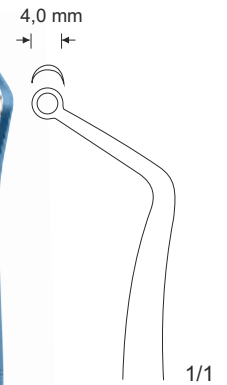
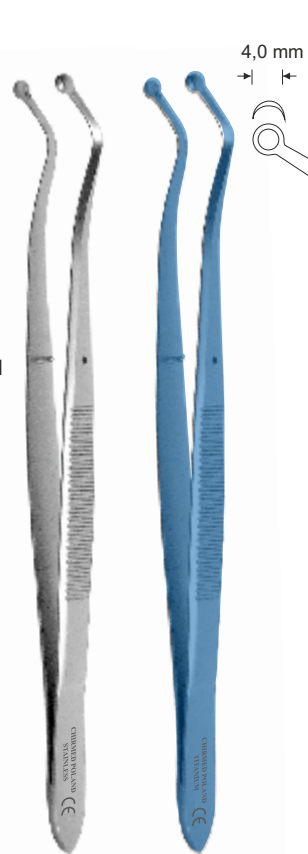
ST 76 ST 76/T
158 mm (6 1/4")
TITANIUM



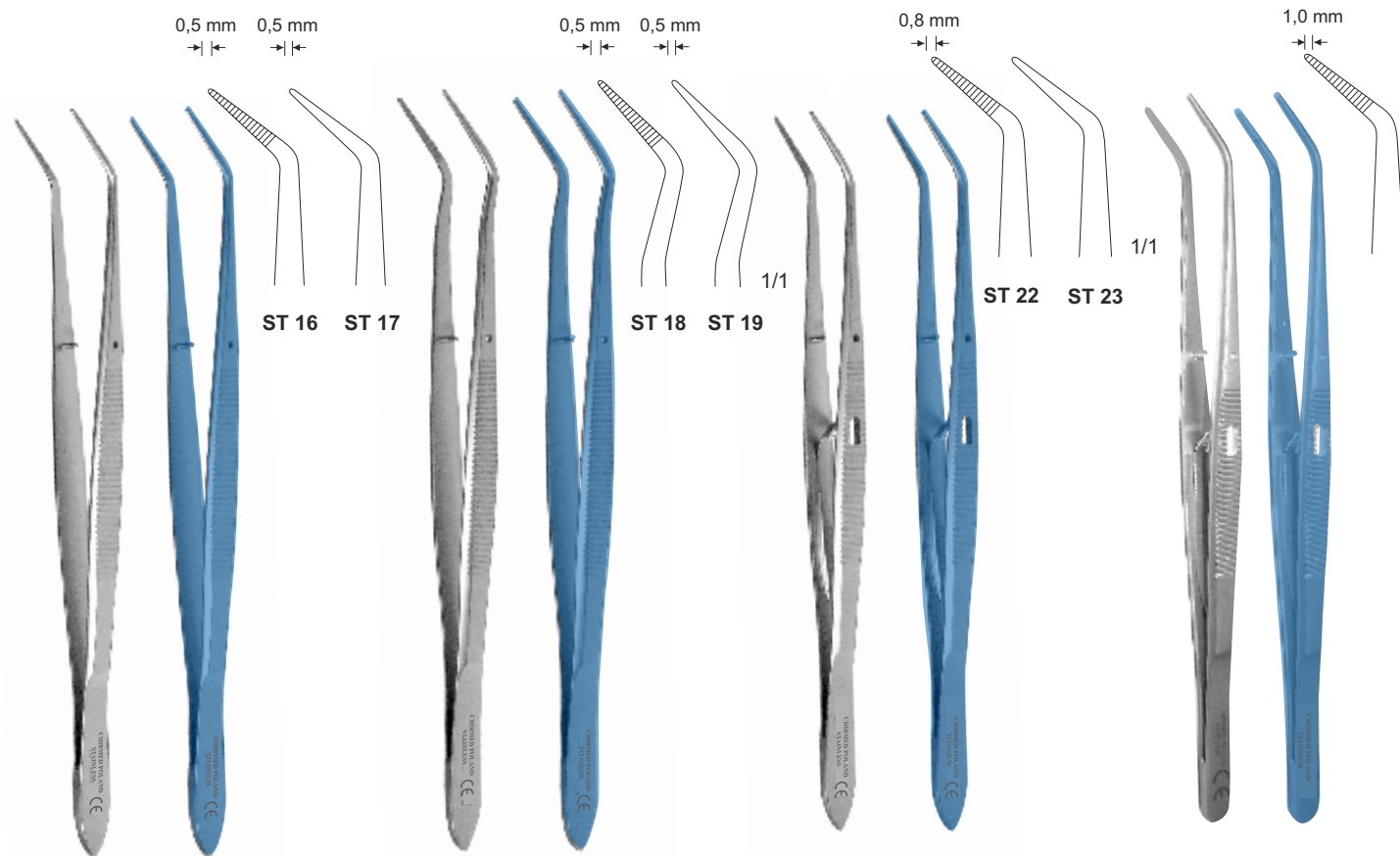
ST 14, ST 14/1 ST 14/T, ST 14/1/T
160 mm (6 1/4")
TITANIUM



ST 15/C ST 15/C/T
150 mm (6")
TITANIUM



ST 15 ST 15/T
160 mm (6 1/4")
TITANIUM



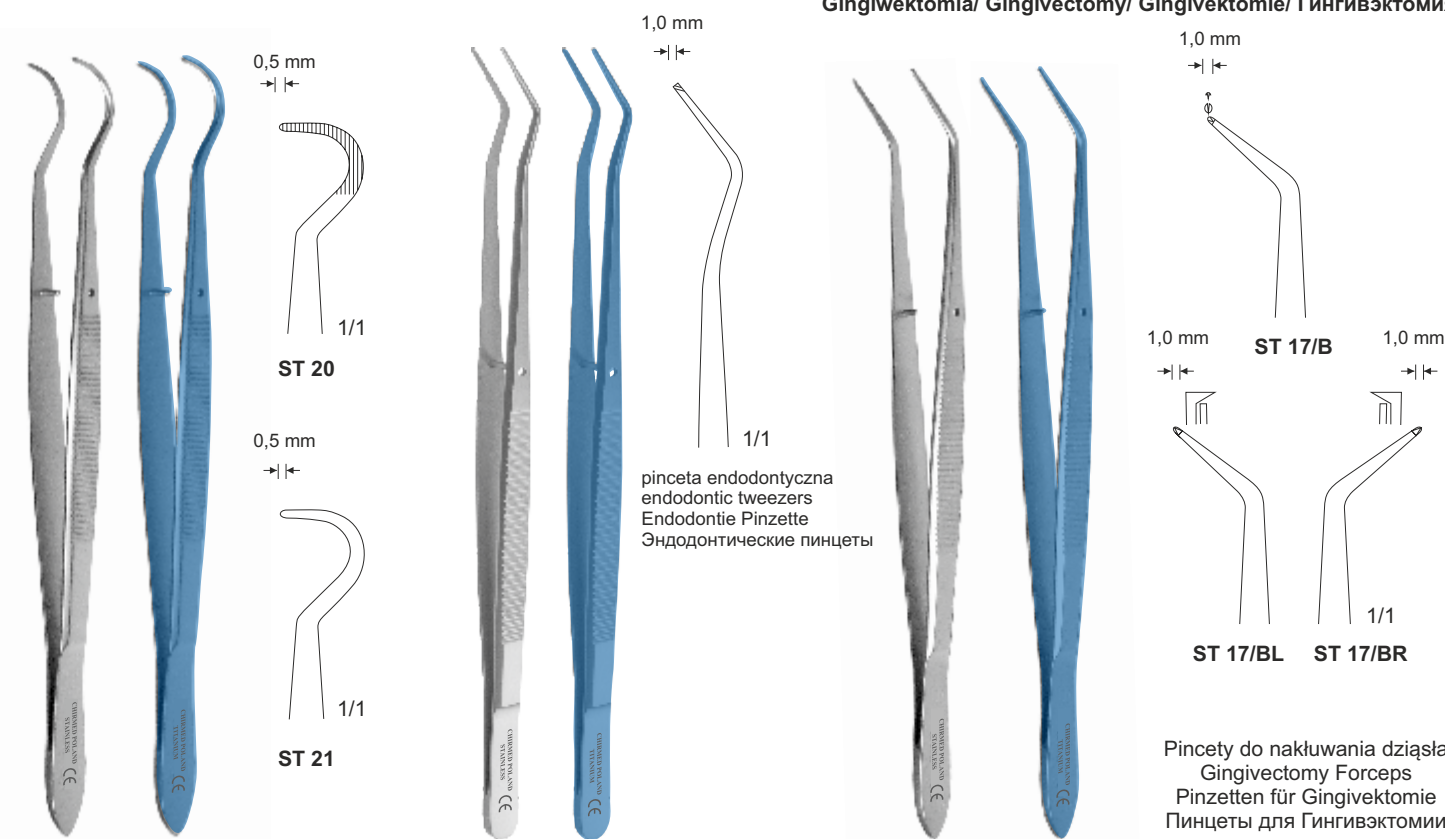
ST 16, ST 17 ST 16/T, ST 17/T
160 mm (6 1/4")
TITANIUM

ST 18, ST 19 ST 18/T, ST 19/T
160 mm (6 1/4")
TITANIUM

ST 22, ST 23 ST 22/T, ST 23/T
150 mm (6")
TITANIUM

ST 241 ST 241/T
155 mm (6")
TITANIUM

Gingivektomia/ Gingivectomy/ Gingivektomie/ ГИНГИВЭКТОМИЯ

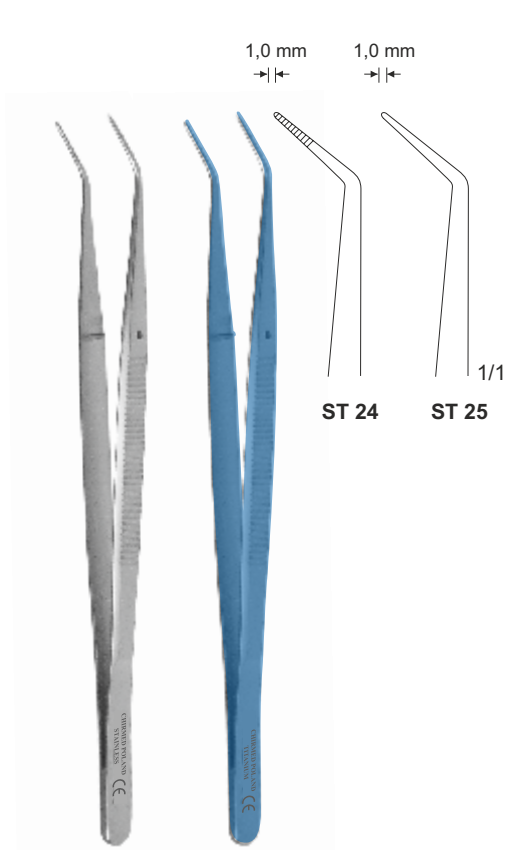


ST 20, ST 21 ST 20/T, ST 21/T
160 mm (6 1/4")
TITANIUM

ST 231 ST 231/T
160 mm (6 1/4")
TITANIUM

ST 17/B ST 17/B/T
160 mm (6 1/4")
TITANIUM

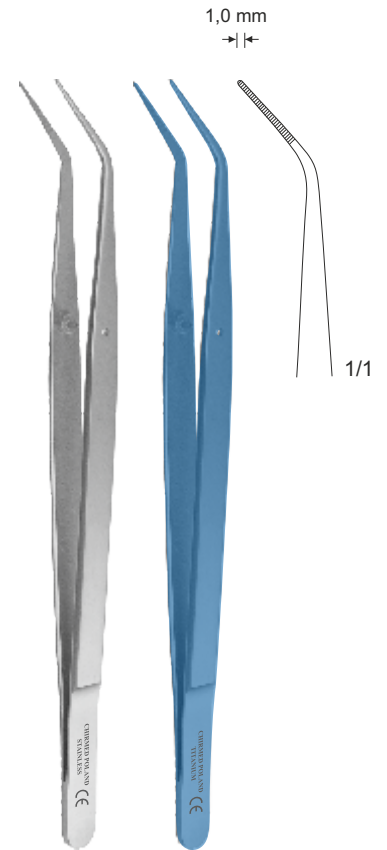
Pincety do nakluwania dziąsła
Gingivectomy Forceps
Pinzetten für Gingivektomie
Пинцеты для ГИНГИВЭКТОМИИ



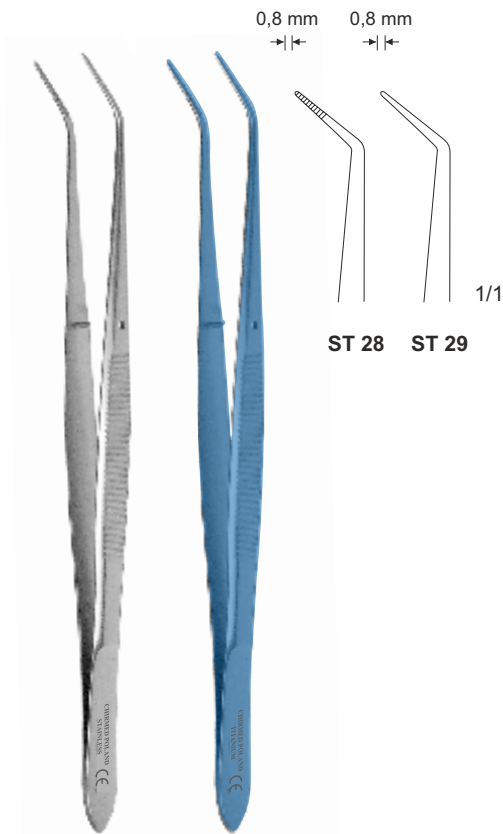
COLLEGE
ST 24, ST 25 ST 24/T, ST 25/T
150 mm (6")
TITANIUM



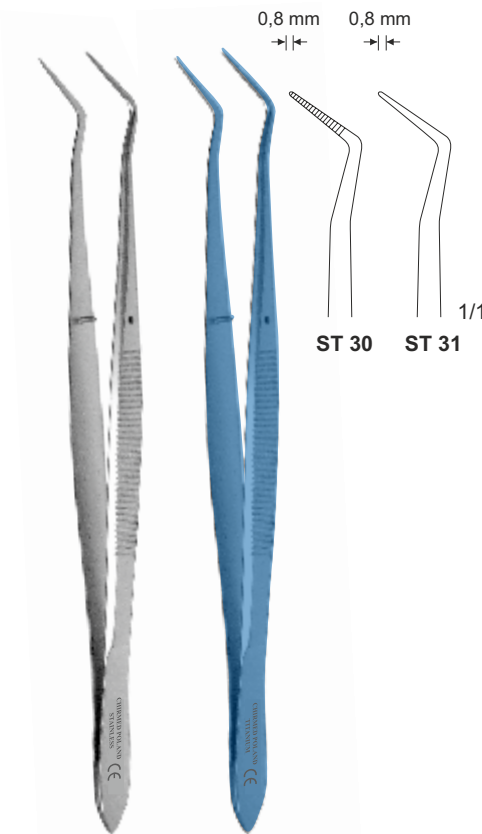
COLLEGE
ST 26, ST 27 ST 26/T, ST 27/T
150 mm (6")
TITANIUM



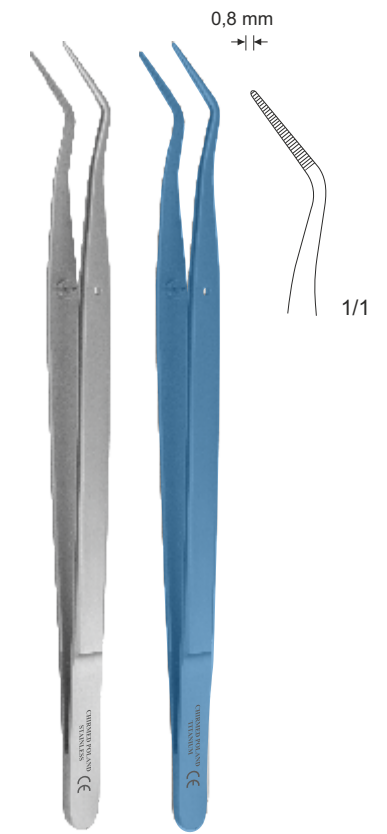
COLLEGE
ST 229
160 mm (6 1/4")
TITANIUM



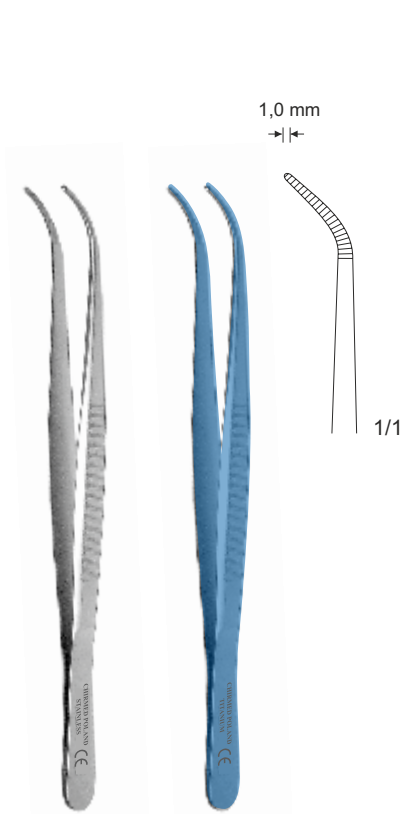
FLAGG
ST 28, ST 29 ST 28/T, ST 29/T
160 mm (6 1/4")
TITANIUM



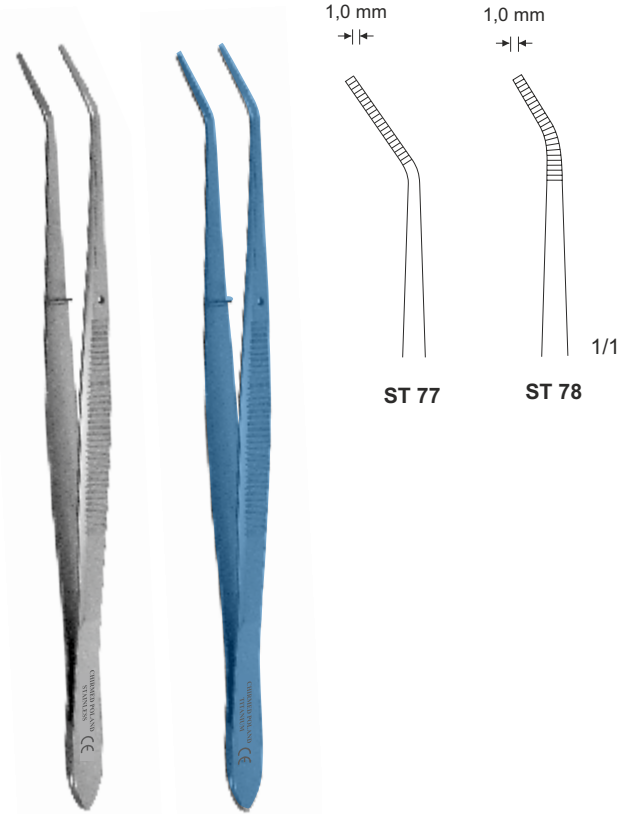
MERIAM
ST 30, ST 31 ST 30/T, ST 31/T
160 mm (6 1/4")
TITANIUM



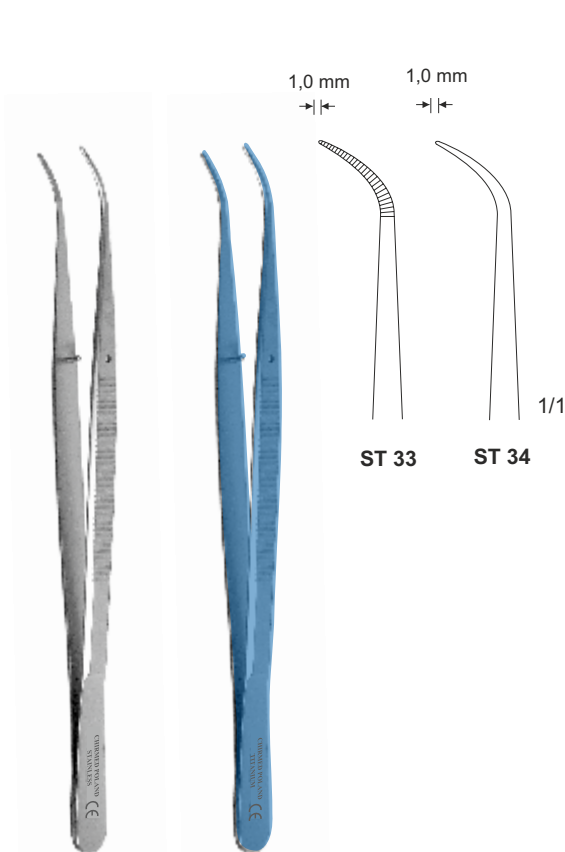
MERIAM
ST 230
160 mm (6 1/4")
TITANIUM



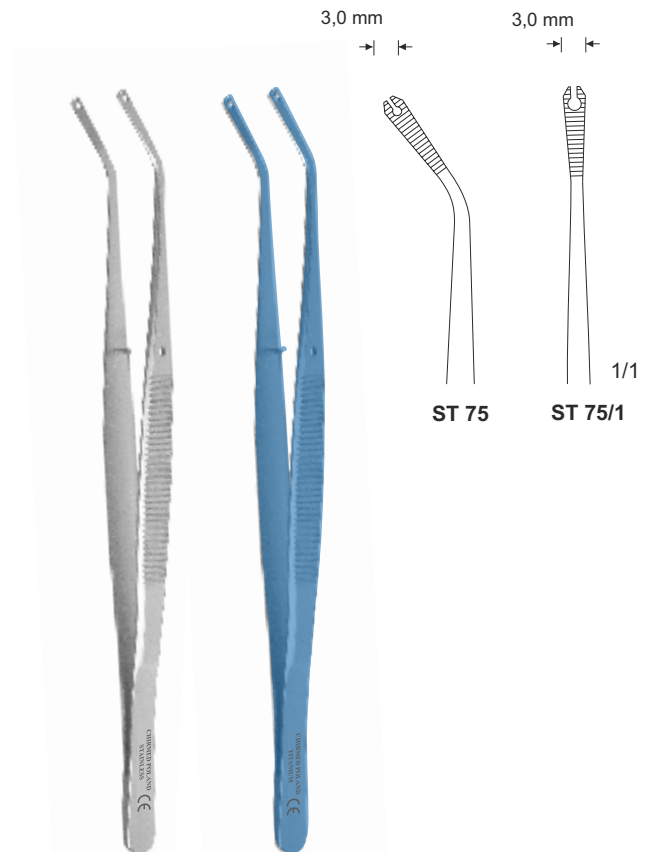
PERRY
ST 32 ST 32/T
130 mm (5 1/8")
TITANIUM



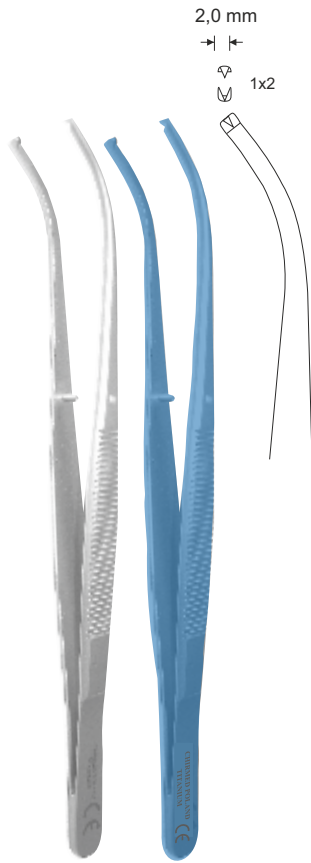
ST 77, ST 78 ST 77/T, ST 78/T
160 mm (6 1/4")
TITANIUM



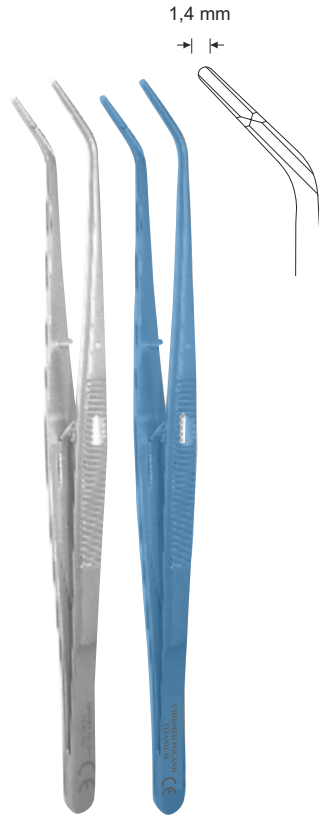
LONDON-COLLEGE
ST 33, ST 34 ST 33/T, ST 34/T
150 mm (6")
TITANIUM



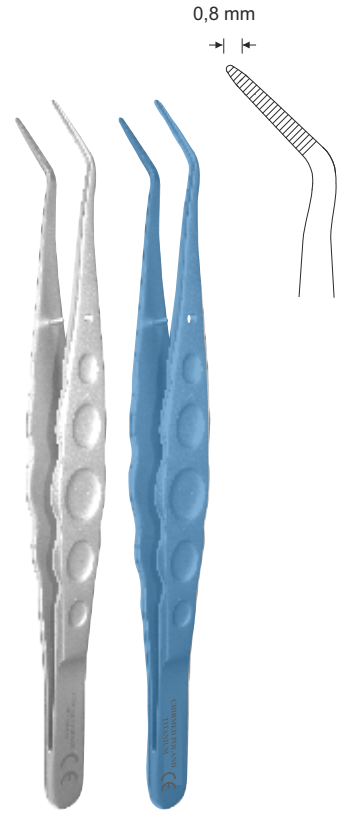
ST 75 ST 75/T
160 mm (6 1/4")
TITANIUM



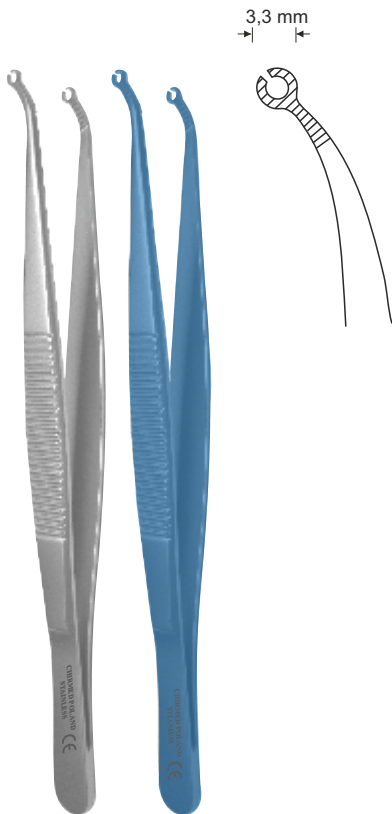
ST 240 ST 240/T
154 mm (6")
TITANIUM



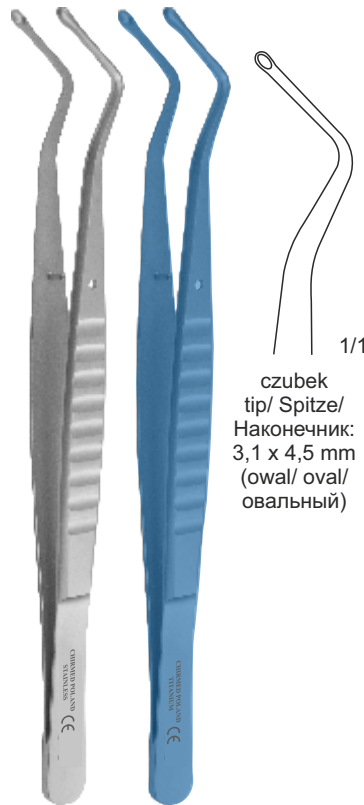
ST 242 ST 242/T
155 mm (6")
TITANIUM



ST 243 ST 243/T
150 mm (6")
TITANIUM

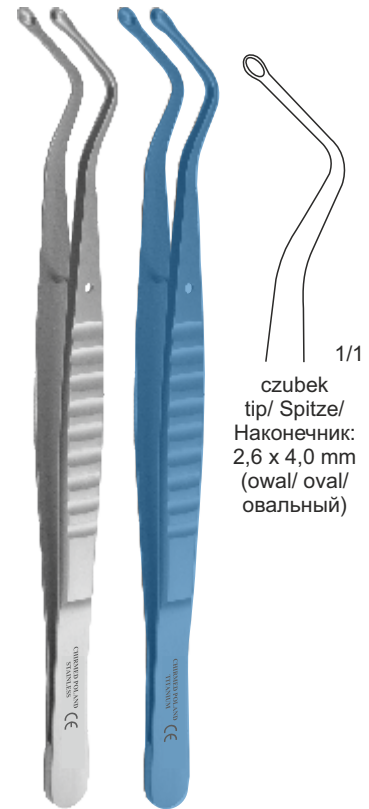


ST 244 ST 244/T
153 mm (6")
TITANIUM



ST 116 ST 116/T
160 mm (6 1/4")
TITANIUM

czubek
tip/ Spitze/
Наконечник:
3,1 x 4,5 mm
(owal/ oval/
овальный)



ST 118 ST 118/T
160 mm (6 1/4")
TITANIUM

czubek
tip/ Spitze/
Наконечник:
2,6 x 4,0 mm
(owal/ oval/
овальный)



ST 86/A
115 mm (4 1/2")



ST 86
130 mm (5")



ST 218
140 mm (5 1/2")



ST 220
140 mm (5 1/2")



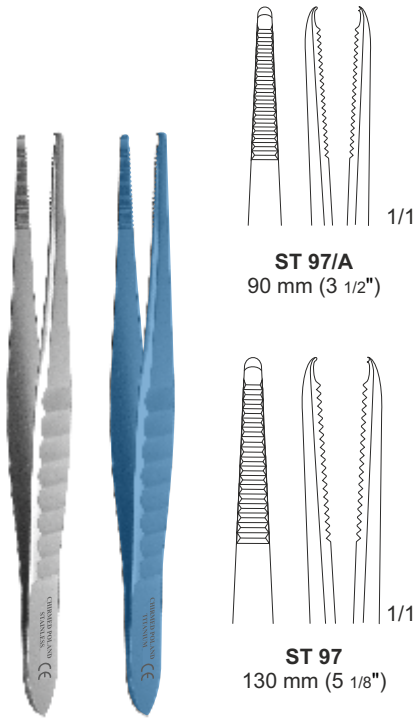
ST 221
130 mm (5")



ST 223
120 mm (4 3/4")



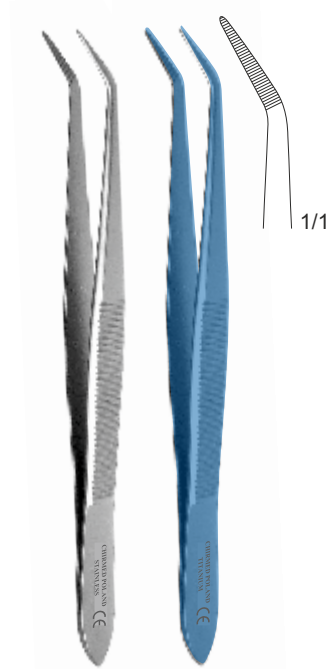
MILLER
ST 87
155 mm (6 1/8")



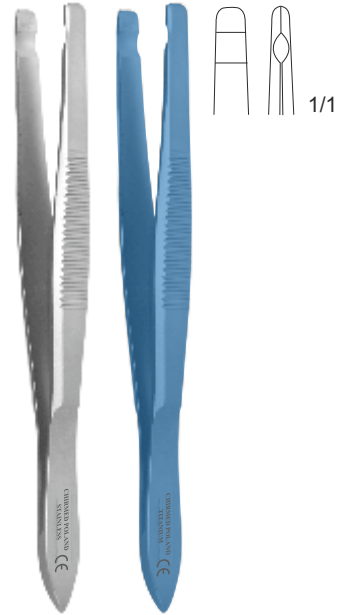
ST 97/A
 90 mm (3 1/2")

ST 97
 130 mm (5 1/8")

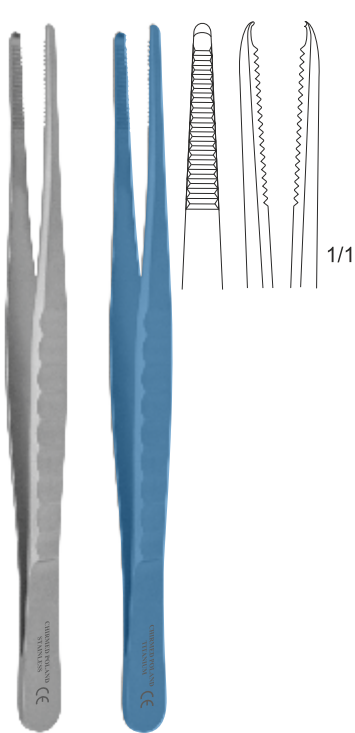
ST 97/A **ST 97/A/T**
ST 97 **ST 97/T**
TITANIUM



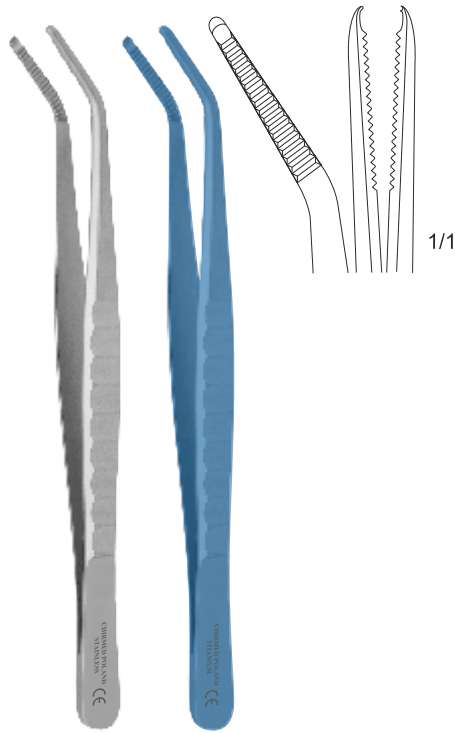
ST 98 **ST 98/T**
 115 mm (4 1/2")
TITANIUM



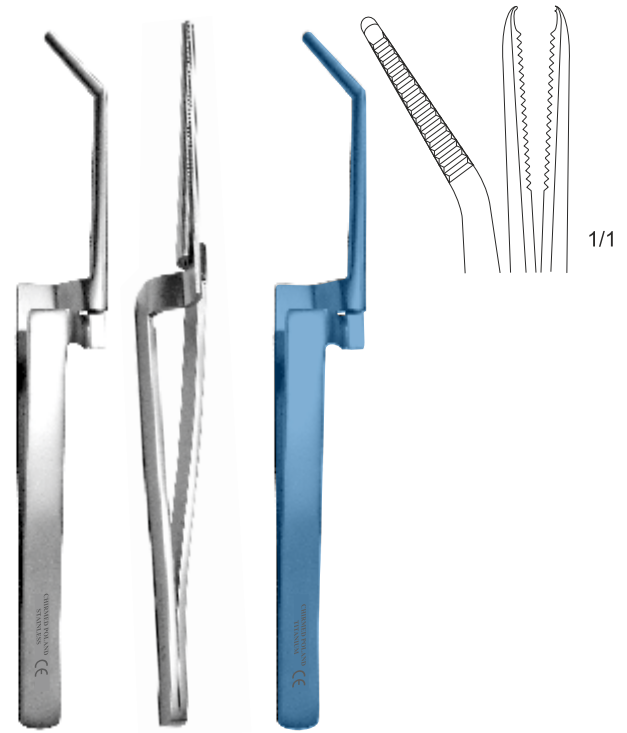
ST 99 **ST 99/T**
 100 mm (4")
TITANIUM



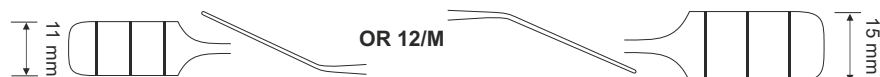
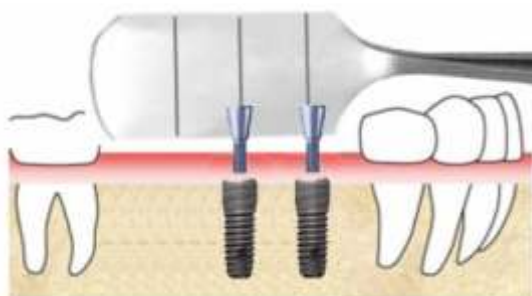
ST 101 **ST 101/T**
 150 mm (6")
TITANIUM



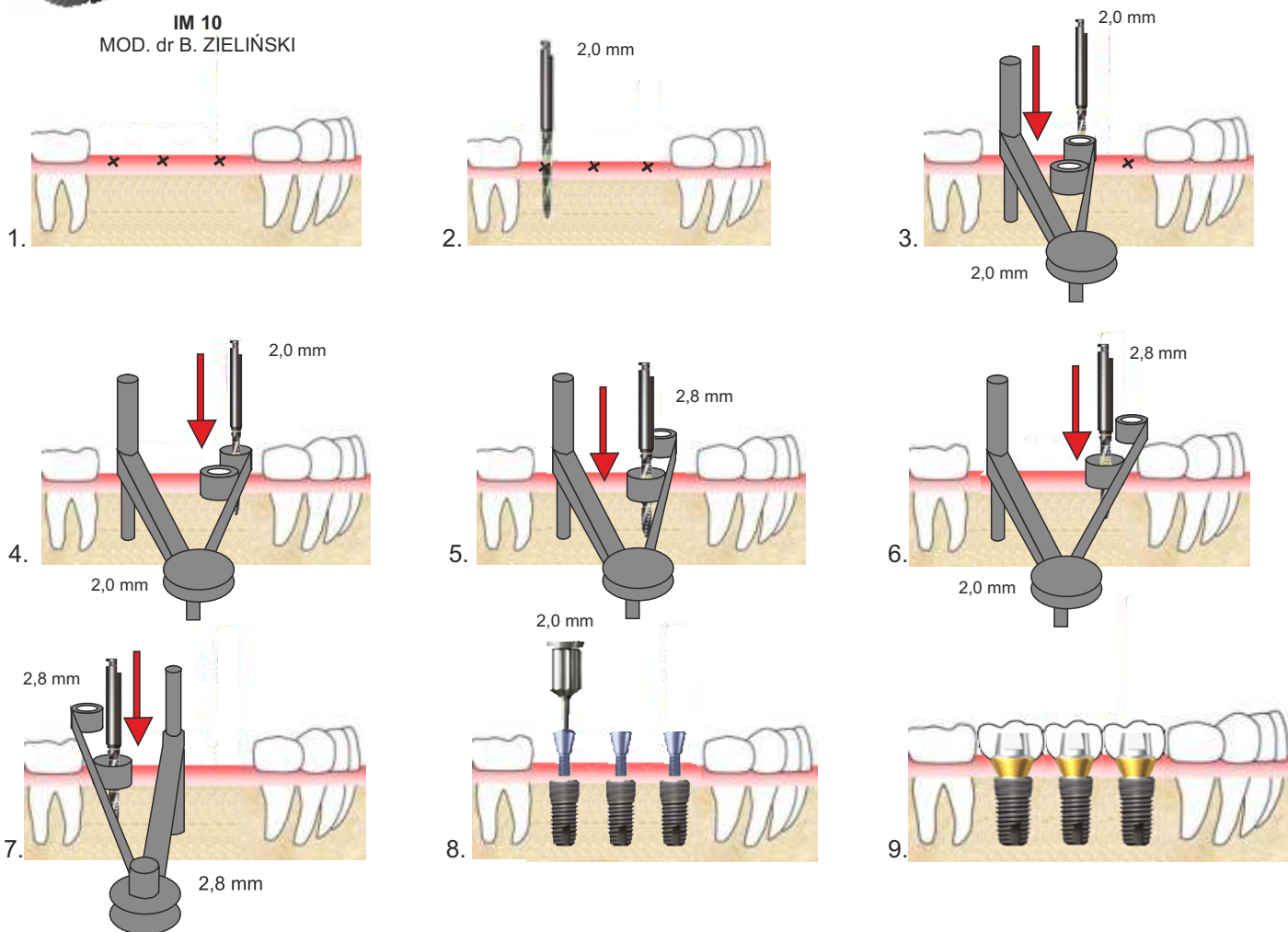
ST 102 **ST 102/T**
 150 mm (6")
TITANIUM



ST 106 **ST 106/T**
 150 mm (6")
TITANIUM

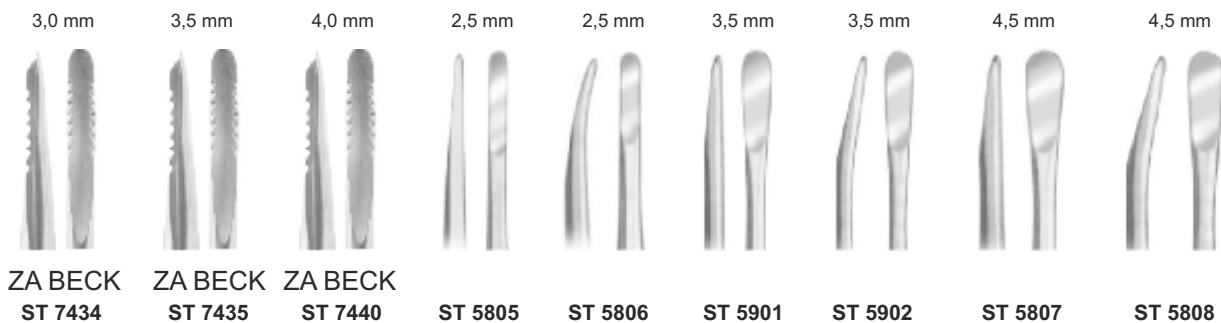
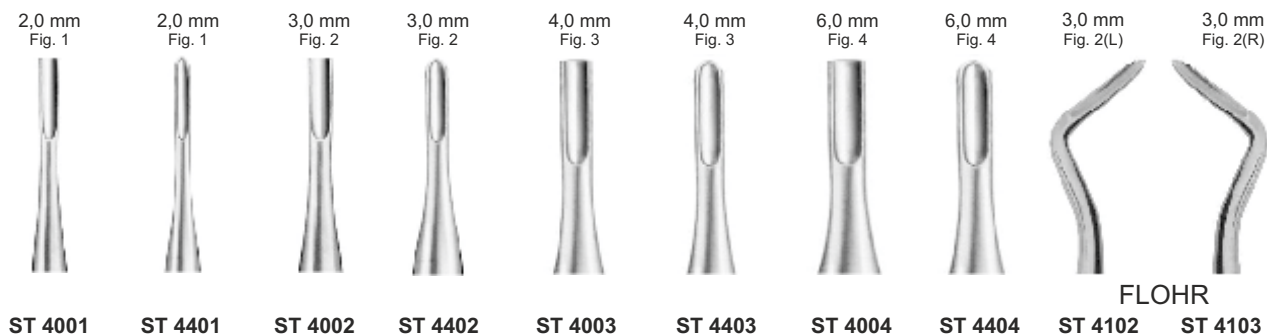


IM 10
MOD. dr B. ZIELIŃSKI

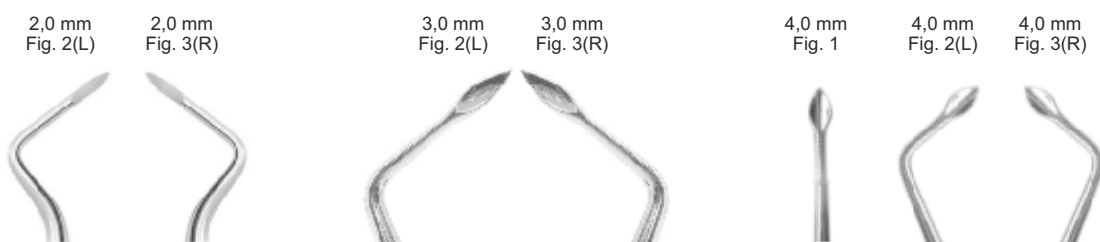
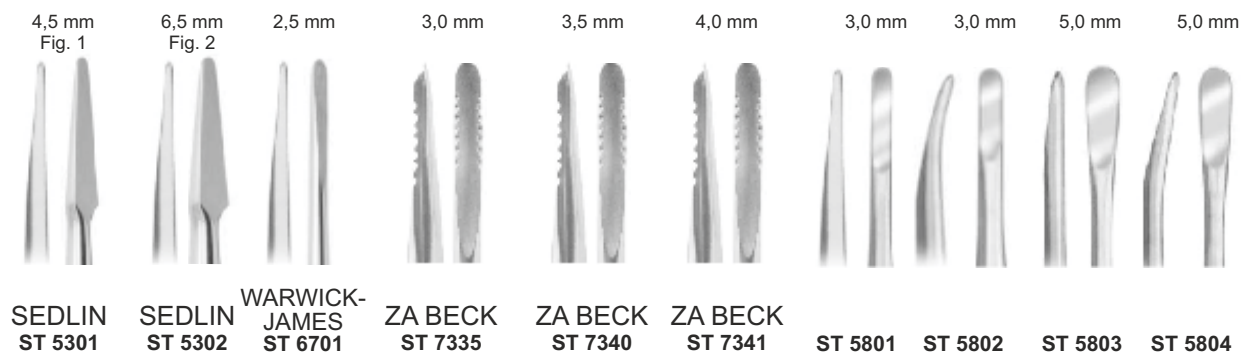
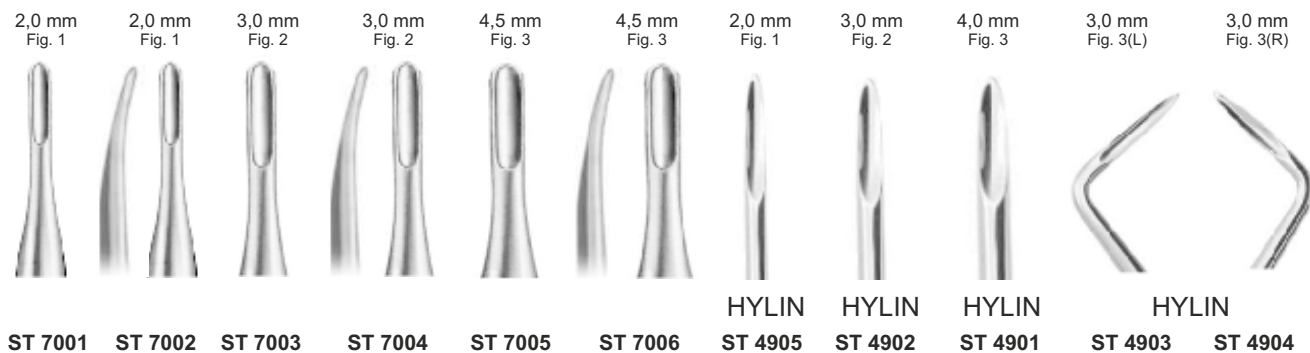


1. Zaznaczamy otwory pod implanty.
2. Nawiercamy otwory wiertłem pilotującym o średnicy 2,0 mm.
3. 4. Wkładamy cieńszy bolec w otwór o średnicy 2,0 mm i odmierzamy odległość kolejnego wszczepu. Nawiercamy otwór wiertłem pilotującym o średnicy 2,0 mm powielając czynność do wszystkich otworów.
5. 6. Rozwiercamy otwór o średnicy 2,0 mm wiertłem pilotującym o średnicy 2,8 mm powielając czynność dla wszystkich otworów.
7. Przekładamy bolec o średnicy 2,0 mm na bolec 2,8 mm i wkładamy go w dowolny wywiercony wcześniej otwór o średnicy 2,8 mm. Nawiercamy ostatni otwór wiertłem pilotującym o średnicy 2,8 mm.
8. 9. Wszczepiamy implanty o średnicy 3,5 mm.

1. Mark spots for Implant.
2. Bore \varnothing 2,0 mm hole using pilot drill.
3. 4. Put thinner pin into the hole \varnothing 2,0 mm and measure distance to the next implants. Bore all next hole using pilot drill.
5. 6. Expand hole \varnothing 2,0 mm using \varnothing 2,8 mm pilot drill. Bore all next hole using pilot drill.
7. Change the thinner pin \varnothing 2,0 mm to the thicker \varnothing 2,8 mm and put into the expanded hole \varnothing 2,8 mm. Bore the last hole with pilot drill \varnothing 2,8 mm.
8. 9. Insert Implant \varnothing 3,5 mm.



BEIN
130 mm (5")

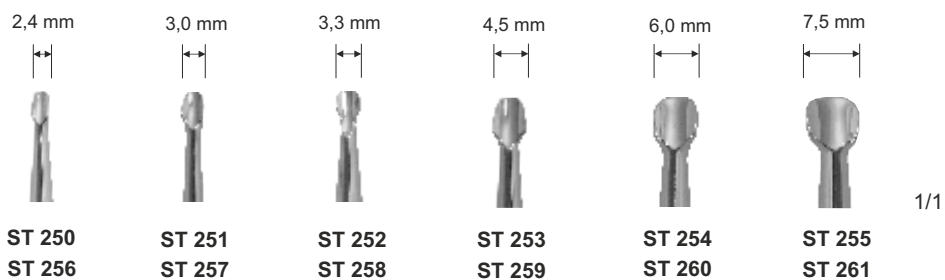


LUKSATOR
155 mm (6")

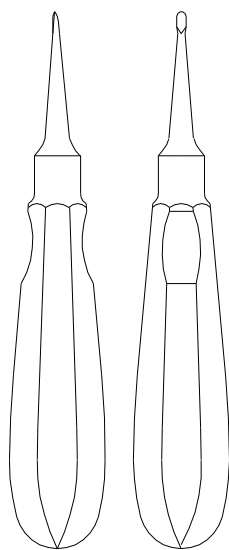
HEIDBRINK
ST 6002 ST 6003

BERNARD MOD.
ST 5703/M ST 5704/M

BERNARD
ST 5706 ST 5703 ST 5704

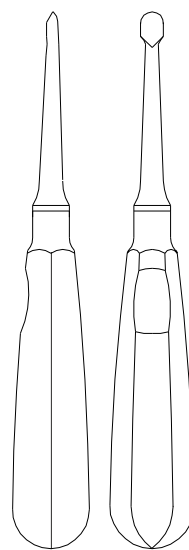


**WINGED
 ST 250**
 140 mm (5 1/2")



ST 250
 (ST 250 - ST 255)

1/2

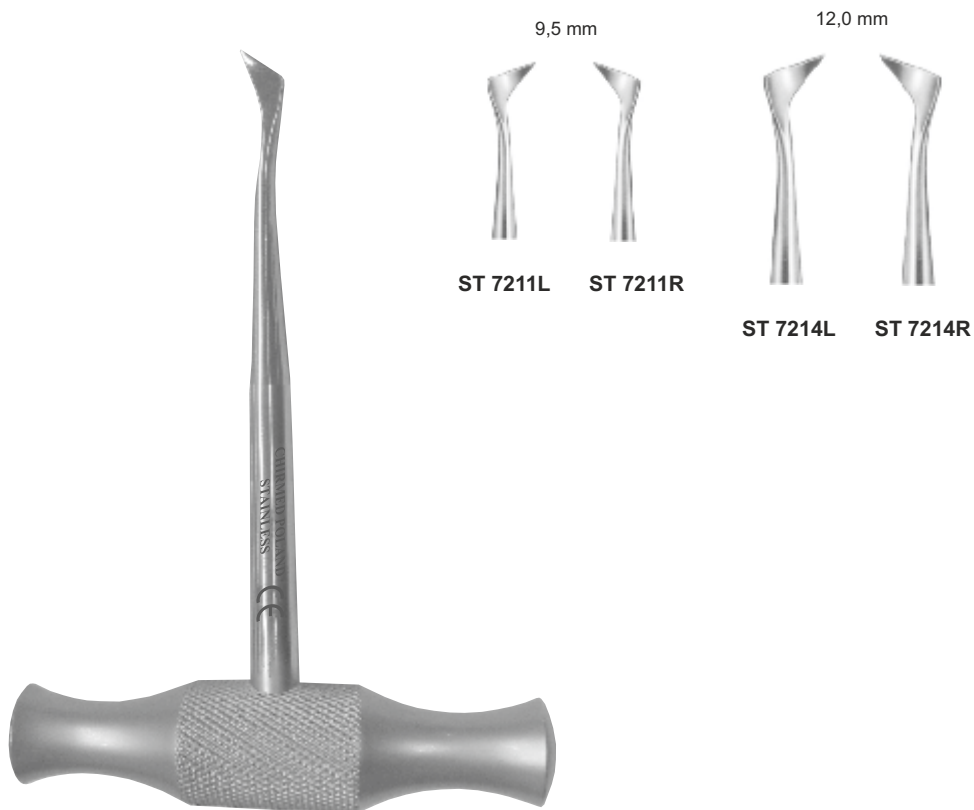


ST 260
 (ST 256 - ST 261)

1/2



**WINGED
 ST 260**
 140 mm (5 1/2")



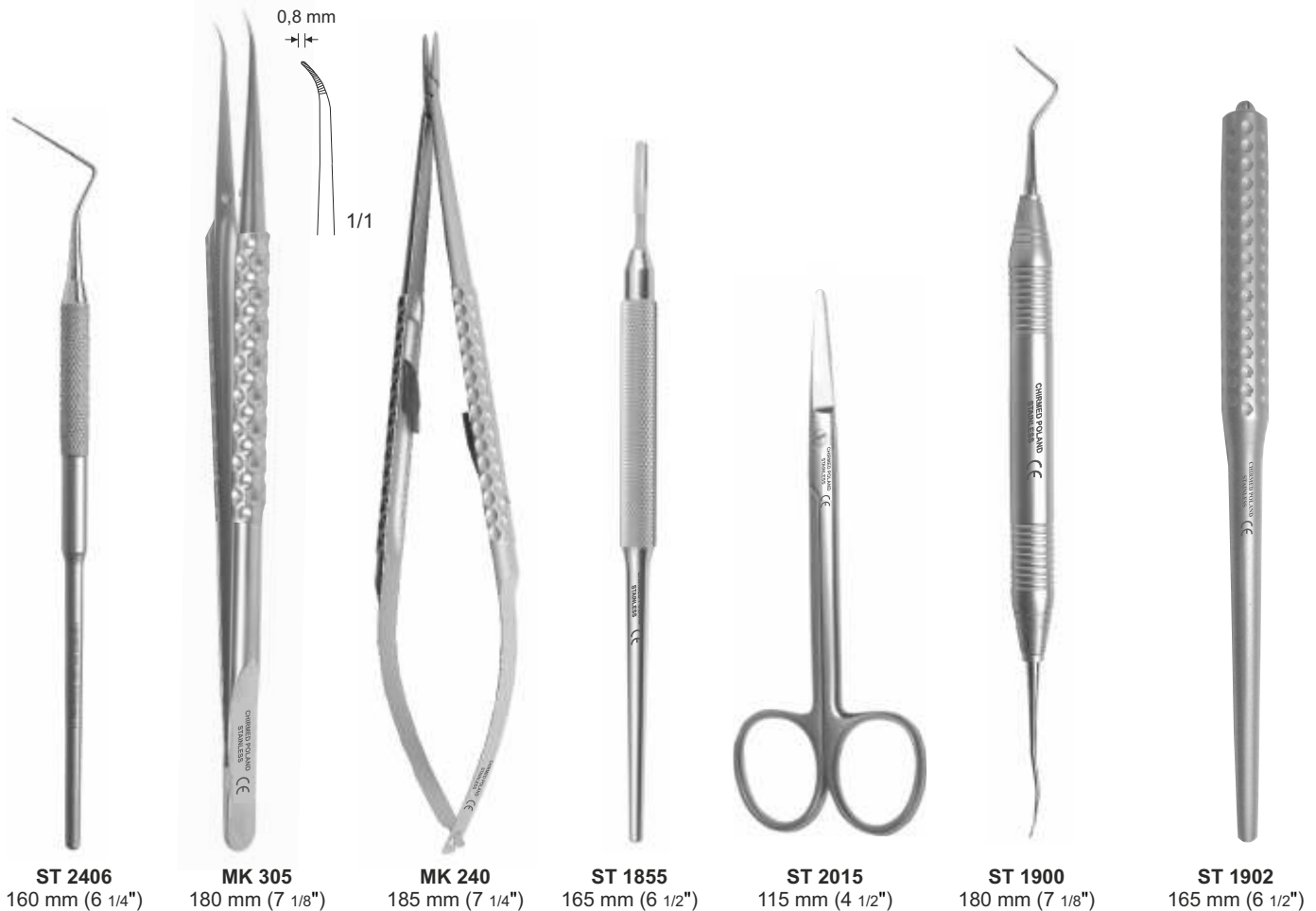
WINTER
130 mm (5")



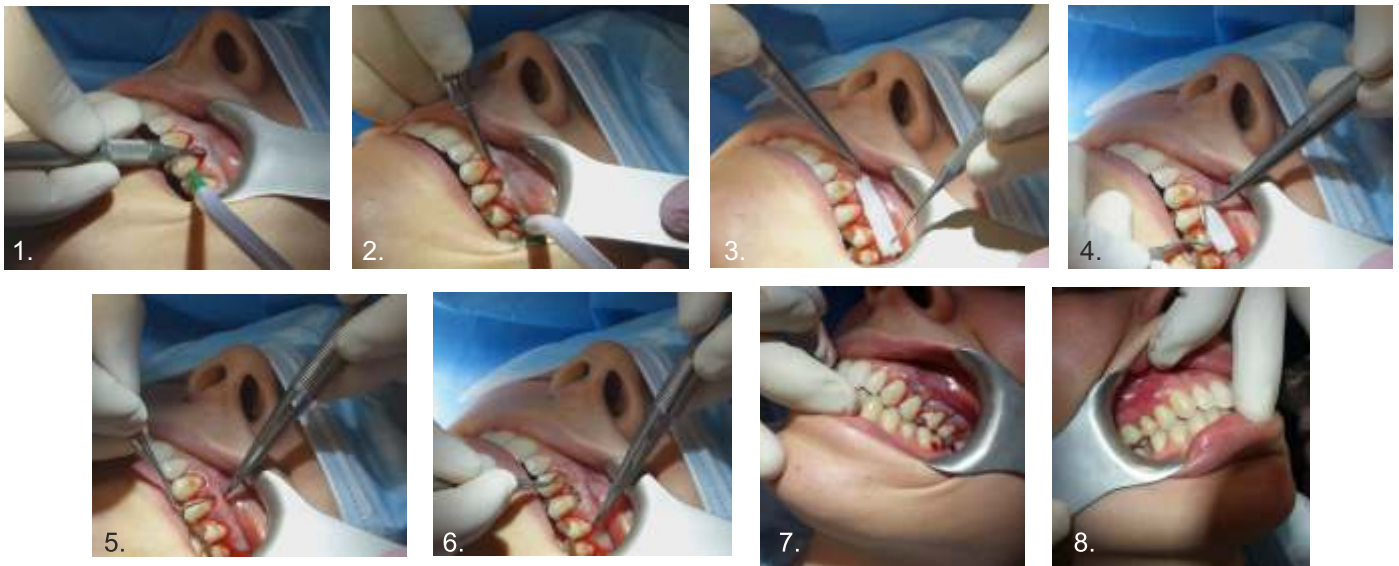
VESTIBULUM
ST 233



VESTIBULUM
ST 234

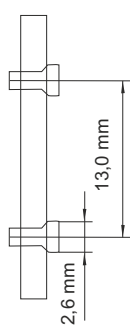


Zabieg metodą tunelową z wykorzystaniem tkanki allogennej powięzi szerokiej uda wykonywany specjalnymi narzędziami zaprojektowanymi we współpracy z Prof. Dominiak i Dr Żurek
 The tunneling treatment method using allogenic fascia lata tissue, performed with special Instruments designs in cooperation with Prof. Dominiak and Dr. Żurek.
 Die Tunnelbehandlungsmethode unter Verwendung von allogenen Fascia lata Gewebe, durchgeführt mit speziellen Instrumenten entwickelt in Zusammenarbeit mit Prof. Dominiak und Dr. Żurek.

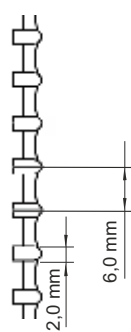


1. W obrębie zębów 24 i 25 po stronie lewej będą pokrywane recesje klasy I wg. Millera. Wykonując cięcie rowkowe za pomocą mikro skalpela zaczynamy tworzyć płat rozszczepiony (śluzówkowy).
2. Specjalnym narzędziem przygotowujemy tunel pod brodawkami dziąsłowymi oraz sprawdzamy przy jego użyciu światło tunelu, tak aby materiał allogenny mógł łatwo wprowadzić pod brodawkami w obrębie zębów 24 do 25.
3. Przymierzamy materiał, który uprzednio docinaliśmy mierząc go sondą periodontologiczną kalibrowaną co 1 mm na odpowiednią wysokość i szerokość.
4. Wprowadzamy materiał w wypreparowany tunel.
- 5-6. Umieszczamy przeszczep w odpowiednim miejscu za pomocą sondy oraz specjalnej pincety mikrochirurgicznej.
7. Przy użyciu autorskiego szycia fiksujemy tkanke allogenną wraz z dokoronowo przesuniętym płatem.
8. Efekt końcowy zabiegu po stronie prawej wykonany metodą tunelową miesiąc wcześniej.

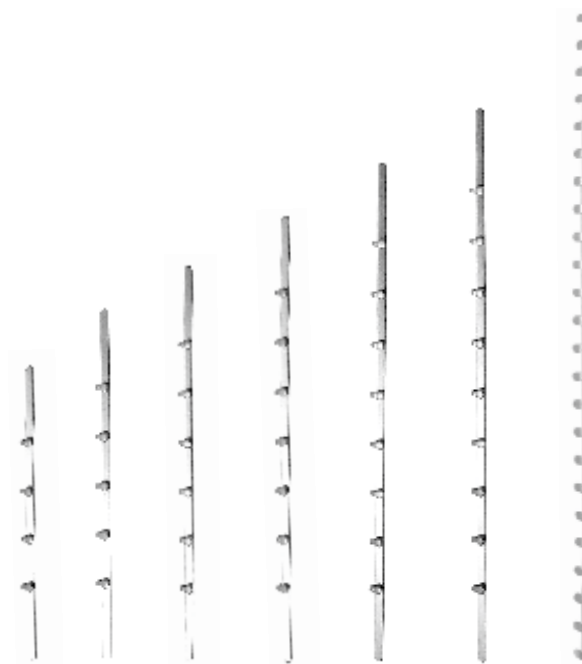
1. Within the teeth 24 and 25 on the left side, recession class I according to Miller will be covered. A split mucosal lobe is made by groove incision with a micro scalpel.
2. Using the special instrument, dissected tunnel under the gingival papillae is made and tunnel light is checked, so that the allogene material is able to easily enter the gingival papillae within 24 to 25 teeth.
3. The dissected material is tried on by measuring it with periodontal probe calibrated by 1 mm for a proper height and width.
4. We introduce the material in the dissected tunnel.
- 5-6. We put the graft in place by a probe and a special microsurgical forceps.
7. Using proprietary sewing, allogenic tissue with coronally displaced flap is fixed.
8. The end result of the surgery on the right side made by tunnel method, on the month before.



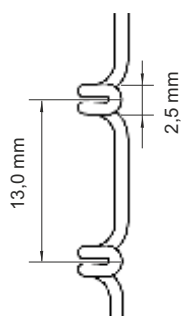
ST 40 - ST 45



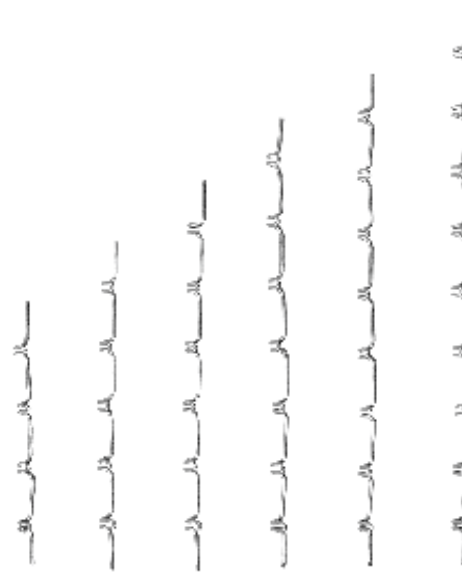
ST 45/24



ST 40 81 mm ST 41 93 mm ST 42 105 mm ST 43 118 mm ST 44 139 mm ST 45 144 mm ST 45/24 155 mm



ST 91 - ST 96



ST 91 81 mm ST 92 93 mm ST 93 105 mm ST 94 118 mm ST 95 139 mm ST 96 144 mm



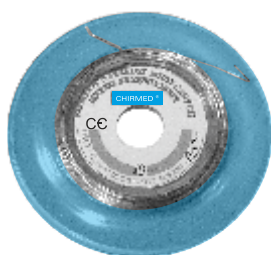
ERICH
ST 121
1,0 m

Szyna stomatologiczna do stabilizacji zgryzu 1 metr długości
Dental splint for occlusion fixation 1 m
Dentalschiene für Okklusion, 1 m langlength
Железнодорожная стоматологическая
стабилизировать окклюзионной 1 метр длины

Drut Ø 1,0 mm
Wire Ø 1,0 mm
Draht Ø 1,0 mm
Проволовка Ø 1,0 мм



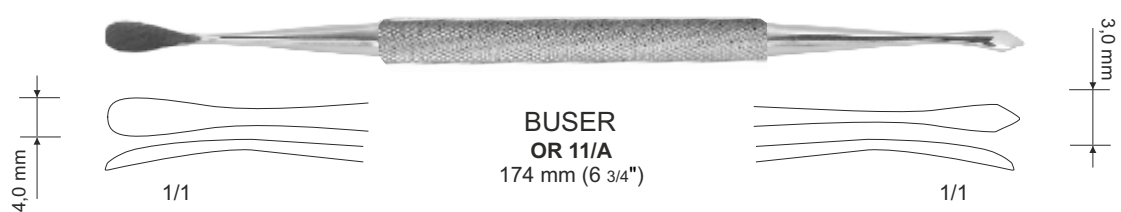
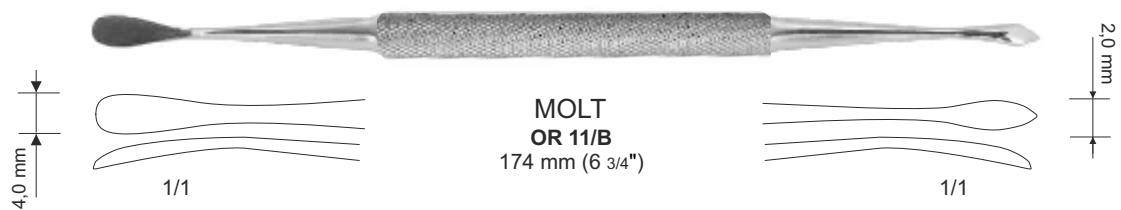
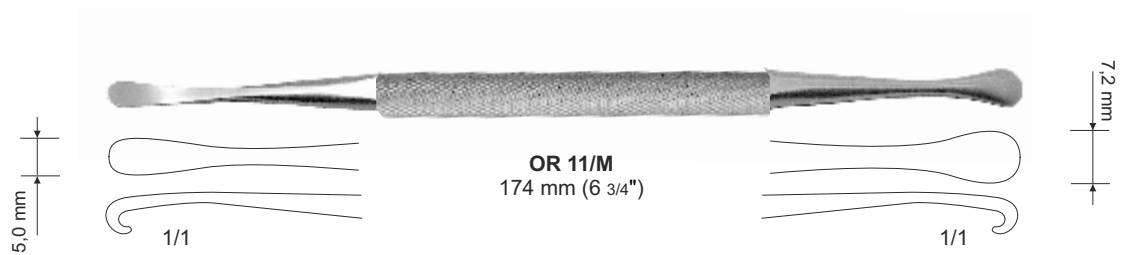
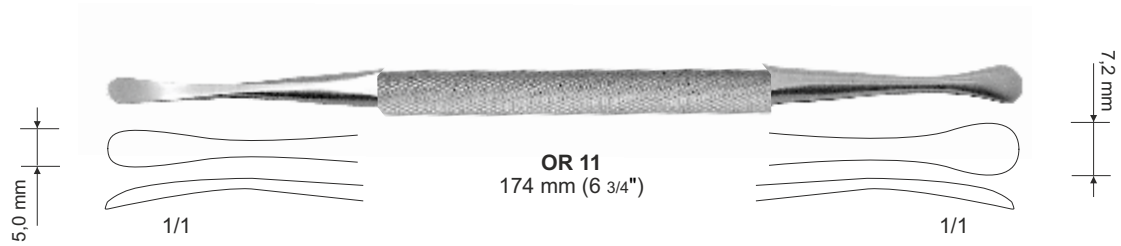
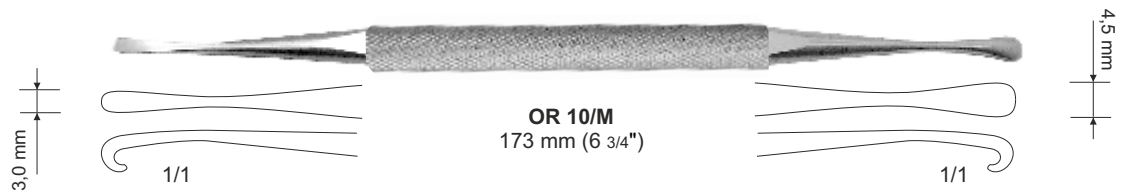
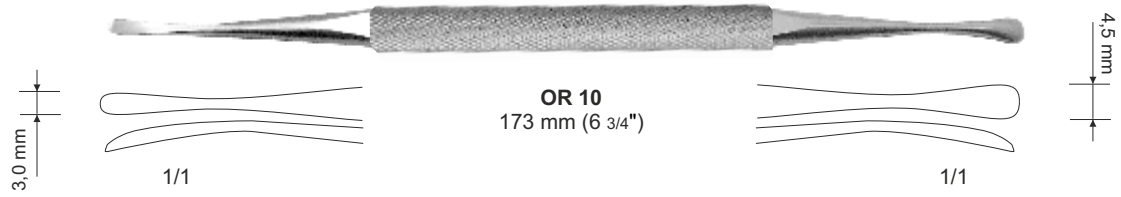
ST 52 - ST 60, ST 66 - ST 74



ST 47 - ST 51, ST 61 - ST 65

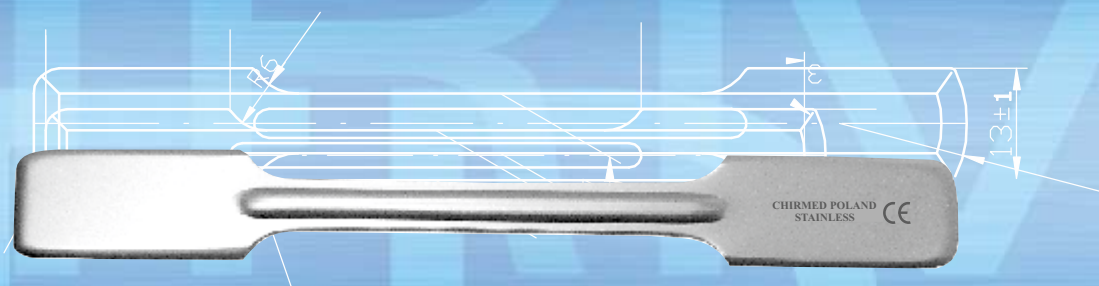
Numer katalogowy
Catalogue Numbers
Katalognummer
Каталожный номер

Średnica Diametr Durchmesser диаметр mm	Nierozdzielny Separable Unterscheidbar Разделный	
	Twardy Hard Hart Жесткий	Miękki Soft Weich Мягкий
Ø 0,2	ST 47	ST 61
Ø 0,3	ST 48	ST 62
Ø 0,4	ST 49	ST 63
Ø 0,5	ST 50	ST 64
Ø 0,6	ST 51	ST 65
Ø 0,7	ST 52	ST 66
Ø 0,8	ST 53	ST 67
Ø 0,9	ST 54	ST 68
Ø 1,0	ST 55	ST 69
Ø 1,1	ST 56	ST 70
Ø 1,2	ST 57	ST 71
Ø 1,3	ST 58	ST 72
Ø 1,4	ST 59	ST 73
Ø 1,5	ST 60	ST 74

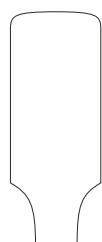


CHIRMED®

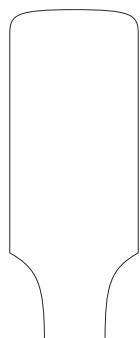
Narzędzia diagnostyczne i laboratoryjne
Diagnostic and Laboratory Instruments
Diagnostic und Labor - Instrumente
Инструменты для диагностики и лабораторий



from IDEA to SOLUTION



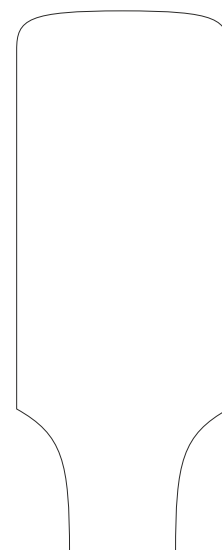
NL 10
110 mm (4 3/8")



NL 11
160 mm (6 1/4")



NL 12
210 mm (8 1/4")



NL 13
260 mm (10 1/4")

1/1

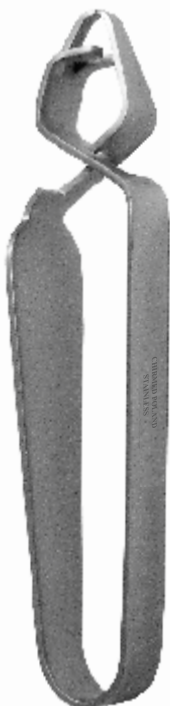
NL 10 - NL 13



NL 14
105 mm (4 1/8")



NL 14/A
105 mm (4 1/8")



NL 15
110 mm (4 3/8")



NL 16
120 mm (4 1/2")



NL 17
110 mm (4 3/8")



NL 18
145 mm (5 3/8")



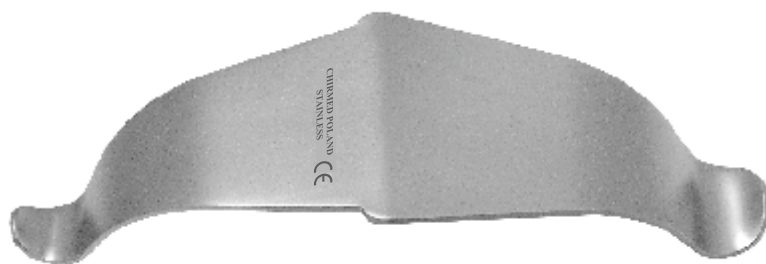
NL 27
140 mm (5 1/2")



CO 91
150 mm (6")



CO 91/1 - 91/7



CO 92
200 mm (8")

Numer katalogowy Catalogue Numbers Katalognummer Каталожный номер	Długość Length (in) Länge Длина
--	--

CO 91/1	100 mm (3 7/8")
CO 91/2	115 mm (4 1/2")
CO 91/3	130 mm (5 1/8")
CO 91/4	160 mm (6 1/4")
CO 91/5	190 mm (7 1/2")
CO 91/6	220 mm (8 2/3")
CO 91/7	250 mm (10")



BUCHWALD
LG 24
180 mm (7")



LICHTENSTEIN
CO 201
160 mm (6 1/4")



NL 28
260 mm (10 1/4")



NL 29
200 mm (9")



NL 19
150 mm (6")
NL 20
210 mm (8 4/5")



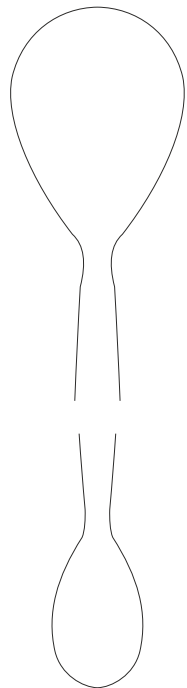
NL 21
180 mm (7")
NL 22
210 mm (8 4/5")



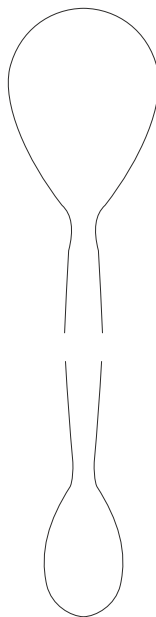
NL 23
120 mm (4 3/4")
NL 24
160 mm (6 1/4")



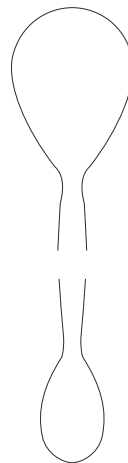
NL 25
180 mm (7")
NL 26
210 mm (8 4/5")



NL 35
300 mm (14 1/4")



NL 34
260 mm (12")



NL 33
210 mm (8 4/5")



NL 32
160 mm (6 1/4")



NL 31
110 mm (4 1/4")

1/2

CHIRMED[®]

Spis alfabetyczny i numeryczny
Alphabetical and Numerical Index
Alphabetischer und numerischer Index
Алфавитный и числовой индекс

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CO 25	24	CO 71/T	35	CO 97/T	26	CO 162	72
CO 25/T	24	CO 71/M	35	CO 98	25	CO 162/T	72
CO 26	24	CO 71/M/T	35	CO 98/T	25	CO 163	72
CO 26/T	24	CO 72	35	CO 100	40	CO 163/T	72
CO 27	24	CO 72/T	35	CO 101	40	CO 164	72
CO 27/T	24	CO 72/M	35	CO 102	40	CO 164/T	72
CO 28	24	CO 72/M/T	35	CO 103	40	CO 166	71
CO 28/T	24	CO 73	35	CO 104	40	CO 171	36
CO 29	25	CO 73/T	35	CO 105	40	CO 171/T	36
CO 29/T	25	CO 73/M	35	CO 106	40	CO 172	28
CO 30	25	CO 73/M/T	35	CO 107	40	CO 172/T	28
CO 30/T	25	CO 74	35	CO 108	40	CO 173	10
CO 31	25	CO 74/T	35	CO 109	40	CO 173/T	10
CO 31/T	25	CO 74/M	35	CO 110	40	CO 174	10
CO 32	25	CO 74/M/T	35	CO 111	40	CO 174/T	10
CO 32/T	25	CO 75	35	CO 112	40	CO 175	10
CO 33	25	CO 75/T	35	CO 113	40	CO 175/T	10
CO 33/T	25	CO 75/M	35	CO 114-A	40	CO 176	10
CO 34	25	CO 75/M/T	35	CO 114-B	40	CO 176/T	10
CO 34/T	25	CO 76	35	CO 116	42	CO 177	26
CO 35	25	CO 76/T	35	CO 116-A	42	CO 177/T	26
CO 35/T	25	CO 76/M	35	CO 118	41	CO 178	36
CO 36	25	CO 76/M/T	35	CO 119	41	CO 178/T	36
CO 36/T	25	CO 77	37	CO 120	41	CO 179	36
CO 37	26	CO 77/T	37	CO 121	41	CO 179/T	36
CO 37/T	26	CO 78	37	CO 122	41	CO 180	35
CO 38	26	CO 78/T	37	CO 127	70	CO 180/T	35
CO 38/T	26	CO 79	37	CO 128	70	CO 181	24
CO 39	26	CO 79/T	37	CO 131	68	CO 181/T	24
CO 39/T	26	CO 80	37	CO 140	72	CO 182	24
CO 40	26	CO 80/T	37	CO 141	72	CO 182/T	24
CO 40/T	26	CO 81	36	CO 145	72	CO 183	24
CO 41	26	CO 81/T	36	CO 145/T	72	CO 183/T	24

CO 184	37	CO 244	62	CK 13	83	CK 70	95
CO 184/T	37	CO 244/1	62	CK 14	83	CK 71	95
CO 185	37	CO 245	62	CK 14/1	83	CK 72	95
CO 185/T	37	CO 245/1	62	CK 14/2	83	CK 73	95
CO 186	37	CO 246	62	CK 15	83	CK 74	95
CO 186/T	37	CO 247	62	CK 15/1	83	CK 75	95
CO 201	123	CO 251	64	CK 16	84	CK 76	95
CO 202	27	CO 251/1	64	CK 17	84	CK 77	95
CO 202/T	27	CO 252	64	CK 17/1	84	CK 78	95
CO 203	27	CO 252/1	64	CK 17/2	84	CK 79	95
CO 203/T	27	CO 253	64	CK 18	84	CK 80	95
CO 204	27	CO 253/1	64	CK 19	84	CK 81	95
CO 204/T	27	CO 254	68	CK 20	82	CK 82	95
CO 205	27	CO 255	67	CK 21	82	CK 83	95
CO 205/T	27	CO 258	68	CK 22	82	CK 84	95
CO 207	65	CO 259	67	CK 22/1	82	CK 85	95
CO 208	65	CO 303	73	CK 20/2	82	CK 86	95
CO 210	24	CO 303/1	73	CK 23	82	CK 87	95
CO 210/T	24	CO 303/2	73	CK 24	84	CK 88	95
CO 211	44	CO 303/3	73	CK 25	93	CK 89	95
CO 212	44	CO 303/4	73	CK 26	93	CK 90	95
CO 213	44	CO 303/5	73	CK 27	93	CK 90/1	95
CO 214	44	CO 304	73	CK 28	93	CK 90/2	95
CO 215	44	CO 304/1	73	CK 29	93	CK 91	95
CO 216	44	CO 304/2	73	CK 30	96,97	CK 92	95
CO 217	27	CO 304/3	73	CK 30A	96	CK 93	95
CO 217/T	27	CO 305	73	CK 30B	96	CK 94	95
CO 217/A	27	CO 305/1	73	CK 30C	97	CK 95	95
CO 217/A/T	27	CO 305/2	73	CK 30F	97	CK 100	98
CO 218	37	CO 306	41	CK 31	96,97	CK 101	98
CO 218/T	37	CO 307	28	CK 31A	97	CK 102	98
CO 219	27	CO 307/T	28	CK 31C	97	CK 103	98
CO 219/T	27	CO 307/TC	28	CK 31F	97	CK 104	98
CO 220	37	CO 308	28	CK 31G	97	CK 105	98
CO 220/T	37	CO 308/T	28	CK 32	96	CK 106	98
CO 221	27	CO 311	10	CK 33	96	CK 107	98
CO 221/T	27	CO 311/T	10	CK 34	96	CK 108	98
CO 222	37	CO 400	70	CK 35	96	CK 109	98
CO 222/T	37	CO 401	70	CK 36	96	CK 110	98
CO 226	28	CO 402	70	CK 37	96	CK 111	98
CO 226/T	28	CO 403	70	CK 38	96	CK 112	98
CO 227	28	CO 404	70	CK 39	85	CK 113	98
CO 227/T	28	CO 405	70	CK 39/1	85	CK 114	98
CO 228	28	CO 406	70	CK 40	94	CK 115	98
CO 228/T	28	CO 407	70	CK 41	94	CK 116	98
CO 230	21	CO 408	70	CK 42	94	CK 117	98
CO 230/T	21	CO 409	70	CK 43	94	CK 118	98
CO 231	21	CO 530	58	CK 43/M	94	CK 119	98
CO 231/T	21	CO 531	58	CK 50	93	CK 120	98
CO 232	21	CO 540	71	CK 51	93	CK 121	98
CO 232/T	21	CO 540/T	71	CK 52	93	CK 122	98
CO 233	21	CO 541	71	CK 53	93	CK 123	98
CO 233/T	21	CO 541/T	71	CK 54	93	CK 132	93
CO 234	21	CO 550	68	CK 55	93	CK 133	93
CO 234/T	21	CO 551	68	CK 56	93	CK 140	87
CO 235	21	CO 553	71	CK 60	92	CK 141	87
CO 235/T	21	CO 554	71	CK 60/1	92	CK 142	87
CO 237	62	CO 554/T	71	CK 60/2	92	CK 143	87
CO 237/M	62	CO 555	71	CK 61	86	CK 144	87
CO 238	62	CO 555/T	71	CK 62	86	CK 145	90
CO 239	62			CK 63	86	CK 146	90
CO 240	62	CK 10	97	CK 64	86	CK 147	90
CO 241	62	CK 10B	97	CK 65	86	CK 148	90
CO 242	62	CK 11	83	CK 66	86	CK 149	90
CO 243	62	CK 12	83	CK 67	86	CK 150	89

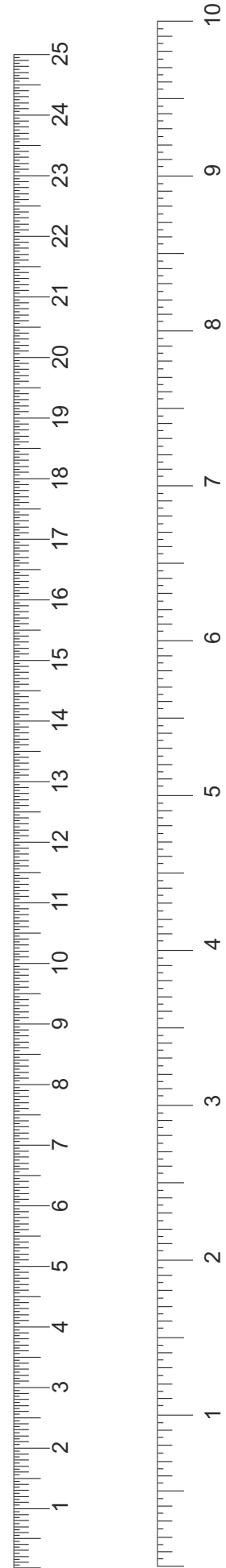
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CK 154	85	CN 40	48	CN 100/T	30	KD 46	60
CK 155	85	CN 40/T	48	CN 101	30	KD 47	60
CK 156	85	CN 41	48	CN 101/T	30	KD 48	60
CK 157	85	CN 41/T	48	CN 102	30	KD 70	80
CK 158	85	CN 42	48	CN 102/T	30	KD 71	80
CK 159	85	CN 42/T	48	CN 103	30	KD 72	80
CK 160	94	CN 43	48	CN 103/T	30	KD 73	80
CK 161	96	CN 43/T	48	CN 104	30	KD 74	80
CK 162	85	CN 44	48	CN 104/T	30	KD 75	80
CK 165	91	CN 44/T	48	CN 105	30	KD 76	80
CK 181	91	CN 45	48	CN 105/T	30	KD 77	80
CK 183	85	CN 45/T	48	CN 108	30	KD 81	78
CK 185	88	CN 46	48	CN 108/T	30		
CK 186	88	CN 46/T	48			LG 10	100
CK 188	88	CN 47	48	EN 01	38	LG 10/T	100
CK 200	91	CN 47/T	48	EN 02	38	LG 11	100
		CN 48	49	EN 03	38	LG 11/T	100
CN 10	29	CN 48/T	49			LG 12	100
CN 10/T	29	CN 49	49	FL 10	38	LG 12/T	100
CN 11	29	CN 49/T	49	FL 11	38	LG 13	100
CN 11/T	29	CN 50	49	FL 12	38	LG 13/T	100
CN 12	33	CN 50/T	49	FL 13	38	LG 18	100
CN 12/T	33	CN 51	49	FL 14	38	LG 18/T	100
CN 13	34	CN 51/T	49	FL 15	38	LG 18/B	100
CN 13/T	34	CN 52	49	FL 16	38	LG 18/B/T	100
CN 14	31	CN 52/T	49			LG 18/1	101
CN 14/T	31	CN 53	49	GE 10	8	LG 18/1/T	101
CN 14/1	31	CN 53/T	49	GE 10/T	8	LG 18/2	101
CN 14/1/T	31	CN 54	49	GE 11	8	LG 18/2/T	101
CN 14/4	31	CN 54/T	49	GE 11/T	8	LG 19	101
CN 14/4/T	31	CN 55	49	GE 12	8	LG 20	104
CN 14/8	31	CN 55/T	49	GE 12/T	8	LG 21	104
CN 14/8/T	31	CN 56	49	GE 13	8	LG 22	101
CN 15	31	CN 56/T	49	GE 13/T	8	LG 22/T	101
CN 15/T	31	CN 57	49	GE 14	8	LG 23	101
CN 15/2	31	CN 57/T	49	GE 14/T	8	LG 23/T	101
CN 15/2/T	31	CN 58	49	GE 15	8	LG 24	123
CN 15/3	31	CN 58/T	49	GE 15/T	8	LG 28	104
CN 15/3/T	31	CN 59	49	GE 30	8	LG 29	104
CN 15/5	31	CN 59/T	49			LG 30	102
CN 15/5/T	31	CN 60	49	IM 10	113	LG 31	102
CN 15/6	31	CN 60/T	49			LG 32	102
CN 15/6/T	31	CN 61	49	KD 16	76	LG 33	102
CN 15/7	31	CN 61/T	49	KD 17	76	LG 34	102
CN 15/7/T	31	CN 62	49	KD 18	76	LG 35	102
CN 15/9	31	CN 62/T	49	KD 19	76	LG 36	102
CN 15/9/T	31	CN 63	49	KD 20	76	LG 37	102
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CN 15/11	31	CN 81	48	KD 23	78	LG 40	102
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CN 16	31	CN 83	50	KD 32	78	LG 42	102
CN 16/T	31	CN 84	50	KD 34/1	79	LG 43	102
CN 17	31	CN 85	50	KD 34/2	79	LG 44	102
CN 17/T	31	CN 86	50	KD 34/3	79	LG 45	102
CN 18	29	CN 87	50	KD 34/4	79	LG 46	102
CN 18/T	29	CN 88	50	KD 35	78	LG 47	103
CN 19	30	CN 89	50	KD 36	78	LG 48	103
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CN 20	29	CN 91	50	KD 40	60	LG 50	103
CN 20/T	29	CN 92	50	KD 41	60	LG 51	103
CN 21	29	CN 93	50	KD 42	60	LG 52	103
CN 21/T	29	CN 94	50	KD 43	60	LG 53	103

LG 54	103	MK 32	34	MK 71/A/T	15	MK 85/1/T/SR	52
LG 55	103	MK 32/T	34	MK 72	15	MK 86	52
LG 56	103	MK 33	22	MK 72/T	15	MK 86/T	52
LG 57	103	MK 33/T	22	MK 72/A	15	MK 86/T/SR	52
LG 58	103	MK 34	32	MK 72/A/T	15	MK 86/1	52
LG 59	103	MK 34/T	32	MK 73	15	MK 86/1/T	52
LG 61	101	MK 36	29	MK 73/T	15	MK 86/1/T/SR	52
LG 61/T	101	MK 36/T	29	MK 73/A	15	MK 87	52
		MK 38	9	MK 73/A/T	15	MK 87/T	52
MK 01	7	MK 38/T	9	MK 74	15	MK 87/1	52
MK 01/T	7	MK 39	22	MK 74/T	15	MK 87/1/T	52
MK 02	7	MK 39/T	22	MK 74/A	15	MK 88	52
MK 02/T	7	MK 40	32	MK 74/A/T	15	MK 88/T	52
MK 03	7	MK 40/T	32	MK 75	15	MK 88/1	52
MK 03/T	7	MK 41	32	MK 75/T	15	MK 88/1/T	52
MK 04	7	MK 41/T	32	MK 75/A	15	MK 99	19
MK 04/T	7	MK 45	7	MK 75/A/T	15	MK 99/T	19
MK 05	7	MK 45/T	7	MK 76	15	MK 100	19
MK 05/T	7	MK 46	7	MK 76/T	15	MK 100/T	19
MK 10	6	MK 46/T	7	MK 76/A	15	MK 101	19
MK 10/T	6	MK 47	6	MK 76/A/T	15	MK 101/T	19
MK 11	6	MK 47/T	6	MK 77	53	MK 102	19
MK 11/T	6	MK 48	6	MK 77/T	53	MK 102/T	19
MK 12	6	MK 48/T	6	MK 77/T/SR	53	MK 102/2	19
MK 12/T	6	MK 50	32	MK 77/1	53	MK 102/2/T	19
MK 13	6	MK 50/T	32	MK 77/1/T	53	MK 103	17
MK 13/T	6	MK 51	32	MK 77/1/T/SR	53	MK 103/T	17
MK 14	6	MK 51/T	32	MK 78	53	MK 104	17
MK 14/T	6	MK 52	22	MK 78/T	53	MK 104/T	17
MK 15	6	MK 52/T	22	MK 78/1	53	MK 110	19
MK 15/T	6	MK 53	22	MK 78/1/T	53	MK 110/T	19
MK 16	11	MK 53/T	22	MK 79	53	MK 111	14
MK 16/T	11	MK 54	11	MK 79/T	53	MK 111/T	14
MK 17	11	MK 54/T	11	MK 79/T/SR	53	MK 112	14
MK 17/T	11	MK 55	33	MK 79/1	53	MK 112/T	14
MK 18	9	MK 55/T	33	MK 79/1/T	53	MK 113	14
MK 18/T	9	MK 56	22	MK 79/1/T/SR	53	MK 113/T	14
MK 18/S	9	MK 56/T	22	MK 80	53	MK 114	14
MK 18/S/T	9	MK 57	32	MK 80/T	53	MK 114/T	14
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MK 19/T	9	MK 58	12	MK 80/1/T	53	MK 116/T	14
MK 20	9	MK 58/T	12	MK 81	53	MK 117	14
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MK 25/T	9	MK 63	12	MK 83/T	53	MK 120/A/T	16
MK 26	22	MK 63/T	12	MK 83/1	53	MK 121	20
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MK 27	32	MK 64/T	18	MK 83/1/T/SR	53	MK 122	20
MK 27/T	32	MK 66	17	MK 84	53	MK 122/T	20
MK 28	22	MK 66/T	17	MK 84/T	53	MK 123	20
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MK 29	32	MK 70/T	15	MK 84/1/T	53	MK 124	20
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MK 30	29	MK 70/A/T	15	MK 85/T	52	MK 125	17
MK 30/T	29	MK 71	15	MK 85/T/SR	52	MK 125/T	17
MK 31	33	MK 71/T	15	MK 85/1	52	MK 126	17
MK 31/T	33	MK 71/A	15	MK 85/1/T	52	MK 126/T	17

MK 127	17	MK 248/A/T	16	MK 305	13,117	MK 349/T	14
MK 127/T	17	MK 252	13	MK 305/T	13	MK 350	14
MK 200	77	MK 252/T	13	MK 306	77	MK 350/T	14
MK 200/T	77	MK 253	13	MK 306/T	77	MK 351	14
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MK 210/T	46	MK 257	13	MK 310/T	32	MK 356	14
MK 211	46	MK 257/T	13	MK 313	29	MK 356/T	14
MK 211/T	46	MK 261	14	MK 313/T	29	MK 357	14
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MK 240/T	54	MK 267	14	MK 320/T	46	MK 362	14
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MK 240/1/T	54	MK 271/T	16	MK 322	57	MK 363/T	14
MK 240/1/T/SR	54	MK 271/A	16	MK 322/T	57	MK 364	14
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MK 241/T	54	MK 272	16	MK 323/T	56	MK 365	14
MK 241/1	54	MK 272/T	16	MK 324	56	MK 365/T	14
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MK 242	54	MK 272/A/T	16	MK 325	46	MK 366/T	14
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MK 242/T/SR	54	MK 273/T	16	MK 326	46	MK 367/T	17
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MK 243/1	54	MK 274/A/T	16	MK 330	46	NL 12	122
MK 243/1/T	54	MK 275	18	MK 330/T	46	NL 13	122
MK 244	54	MK 275/T	18	MK 332	22	NL 14	122
MK 244/T	54	MK 276	18	MK 332/T	22	NL 14/A	122
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MK 244/1	54	MK 277	18	MK 333/T	15	NL 16	122
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MK 244/1/T/SR	54	MK 281	20	MK 333/A/T	15	NL 18	122
MK 245	54	MK 281/T	20	MK 336	8	NL 19	124
MK 245/T	54	MK 282	20	MK 336/T	8	NL 20	124
MK 245/1	54	MK 282/T	20	MK 341	14	NL 21	124
MK 245/1/T	54	MK 285	14	MK 341/T	14	NL 22	124
MK 246	54	MK 285/T	14	MK 342	14	NL 23	124
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MK 246/T/SR	54	MK 293/T	55	MK 343	14	NL 25	124
MK 245/1	54	MK 293/T/SR	55	MK 343/T	14	NL 26	124
MK 246/1/T	54	MK 294	55	MK 344	14	NL 27	122
MK 246/1/T/SR	54	MK 294/T	55	MK 344/T	14	NL 28	123
MK 247	54	MK 294/T/SR	55	MK 345	14	NL 29	123
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MK 247/1	54	MK 302/T	55	MK 347	14	NL 32	124
MK 247/1/T	54	MK 303	55	MK 347/T	14	NL 33	124
MK 248	16	MK 303/T	55	MK 348	14	NL 34	124
MK 248/T	16	MK 304	13	MK 348/T	14	NL 35	124
MK 248/A	16	MK 304/T	13	MK 349	14		

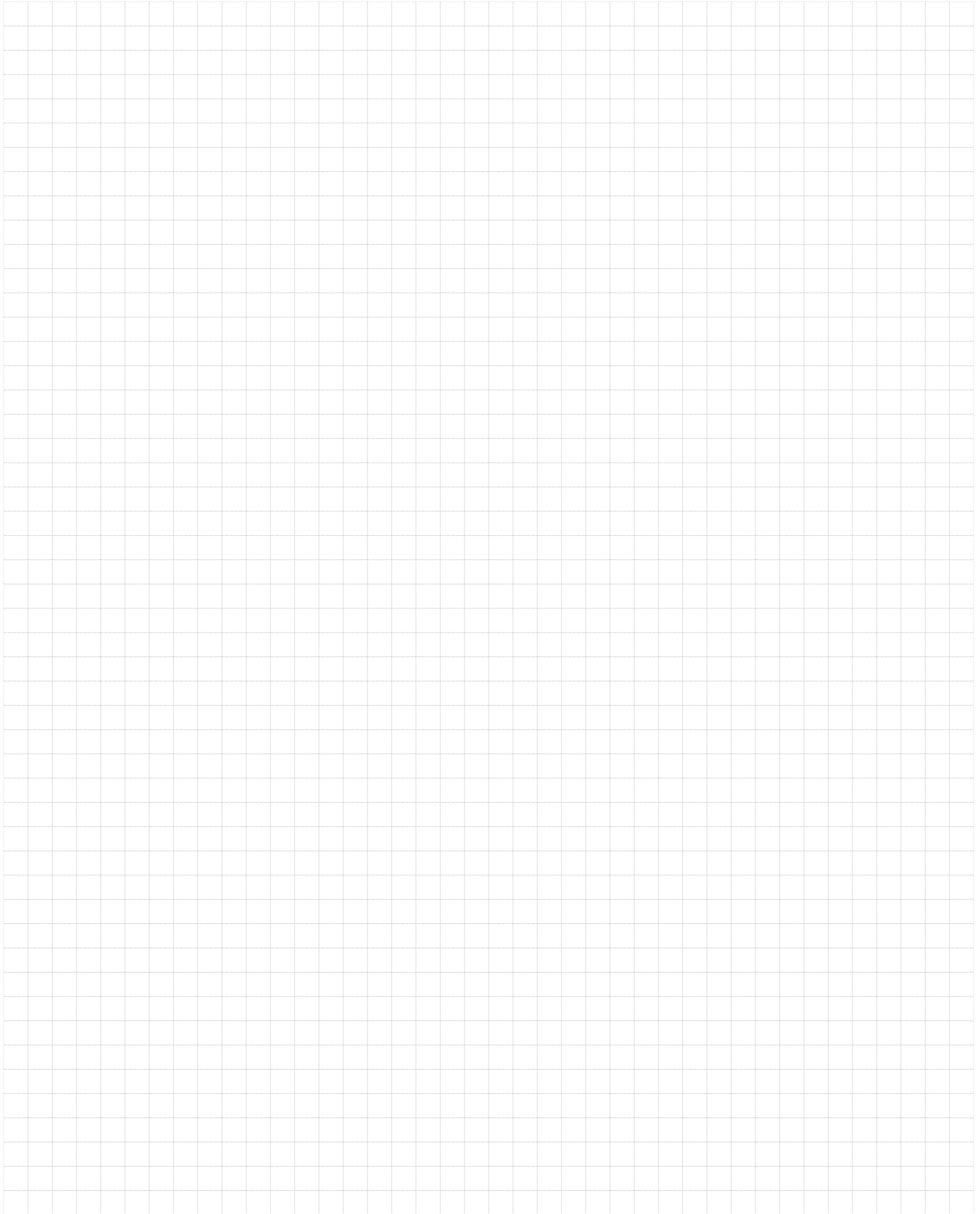
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OK 13	63	ST 14/1	106	ST 57	119	ST 116/T	110
OK 14	63	ST 14/1/T	106	ST 58	119	ST 118	110
OK 20	23	ST 15	106	ST 59	119	ST 118/T	110
OK 20/T	23	ST 15/T	106	ST 60	119	ST 119	67
OK 21	23	ST 15/C	106	ST 61	119	ST 120	67
OK 21/T	23	ST 15/C/T	106	ST 62	119	ST 121	119
OK 22	23	ST 16	107	ST 63	119	ST 140	66
OK 22/T	23	ST 16/T	107	ST 64	119	ST 141	66
OK 23	33	ST 17	107	ST 65	119	ST 142	66
OK 23/T	33	ST 17/T	107	ST 66	119	ST 218	111
OK 24	34	ST 17/B	107	ST 67	119	ST 220	111
OK 24/T	34	ST 17/B/T	107	ST 68	119	ST 221	111
OK 25	34	ST 17/BL	107	ST 69	119	ST 223	111
OK 25/T	34	ST 17/BR	107	ST 70	119	ST 229	108
OK 29	23	ST 18	107	ST 71	119	ST 229/T	108
OK 30	23	ST 18/T	107	ST 72	119	ST 230	108
OK 31	23	ST 19	107	ST 73	119	ST 230/T	108
OK 31/T	23	ST 19/T	107	ST 74	119	ST 231	107
OK 32	23	ST 20	107	ST 75	109	ST 231/T	107
OK 32/T	23	ST 20/T	107	ST 75/T	109	ST 233	116
OK 33	33	ST 21	107	ST 75/1	109	ST 234	116
OK 33/T	33	ST 21/T	107	ST 75/1/T	109	ST 240	110
OK 34	34	ST 22	107	ST 76	106	ST 240/T	110
OK 34/T	34	ST 22/T	107	ST 76/T	106	ST 241	107
OK 35	23	ST 23	107	ST 77	109	ST 241/T	107
OK 35/T	23	ST 23/T	107	ST 77/T	109	ST 242	110
OK 36	11	ST 24	108	ST 78	109	ST 242/T	110
OK 36/T	11	ST 24/T	108	ST 78/T	109	ST 243	110
OK 37	11	ST 25	108	ST 86	111	ST 243/T	110
OK 37/T	11	ST 25/T	108	ST 86/A	111	ST 244	110
OK 38	34	ST 26	108	ST 87	111	ST 244/T	110
OK 38/T	34	ST 26/T	108	ST 91	118	ST 250	115
OK 39	23	ST 27	108	ST 92	118	ST 251	115
OK 39/T	23	ST 27/T	108	ST 93	118	ST 252	115
OK 48	56	ST 28	108	ST 94	118	ST 253	115
OK 48/T	56	ST 28/T	108	ST 95	118	ST 254	115
OK 50	63	ST 29	108	ST 96	118	ST 255	115
OK 51	63	ST 29/T	108	ST 97	112	ST 256	115
OK 52	56	ST 30	108	ST 97/T	112	ST 257	115
OK 52/T	56	ST 30/T	108	ST 97/A	112	ST 258	115
OK 53	74	ST 31	108	ST 97/A/T	112	ST 259	115
OK 54	74	ST 31/T	108	ST 98	112	ST 260	115
OK 55	11	ST 32	109	ST 98/T	112	ST 261	115
OK 55/T	11	ST 32/T	109	ST 99	112	ST 1855	117
		ST 33	109	ST 99/T	112	ST 1900	117
		ST 33/T	109	ST 101	112	ST 1902	42,117
OR 10	120	ST 34	109	ST 101/T	112	ST 2014	45
OR 10/M	120	ST 34/T	109	ST 102	112	ST 2015	45,117
OR 11	120	ST 40	118	ST 102/T	112	ST 2022	45
OR 11/A	120	ST 41	118	ST 106	112	ST 2023	45
OR 11/B	120	ST 42	118	ST 106/T	112	ST 2071	45
OR 11/M	120	ST 43	118	ST 108	65	ST 2072	45
OR 12	120	ST 44	118	ST 108/A	65	ST 2073	45
OR 12/M	113	ST 45	118	ST 109	65	ST 2074	45
		ST 45/24	118	ST 109/A	65	ST 2286	45
ST 10	106	ST 47	119	ST 110	66	ST 2287	45
ST 10/T	106	ST 48	119	ST 110/A	66	ST 2406	117
ST 11	106	ST 49	119	ST 111	66	ST 4001	114
ST 11/T	106	ST 50	119	ST 111/A	66	ST 4002	114
ST 12	106	ST 51	119	ST 112	65	ST 4003	114
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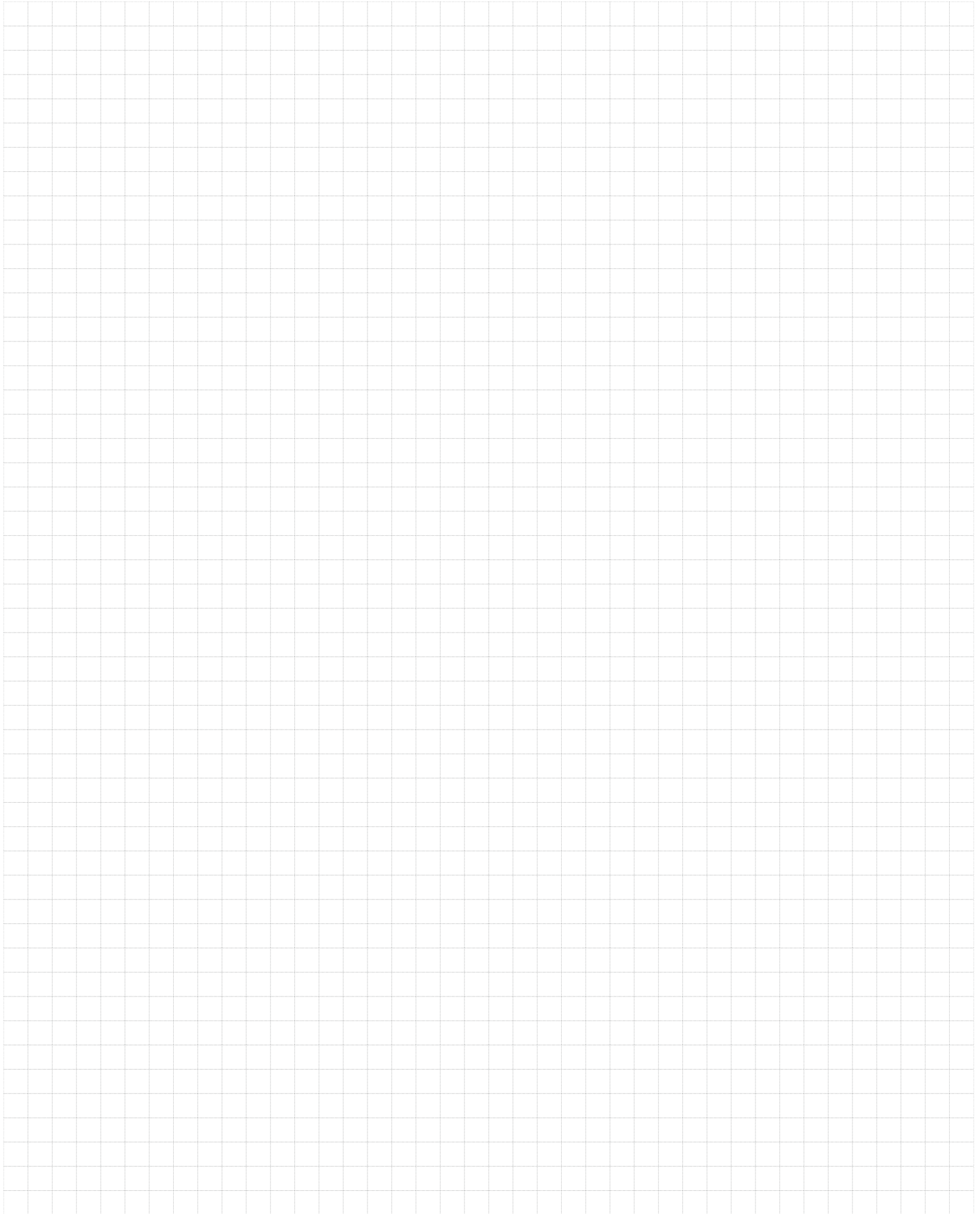
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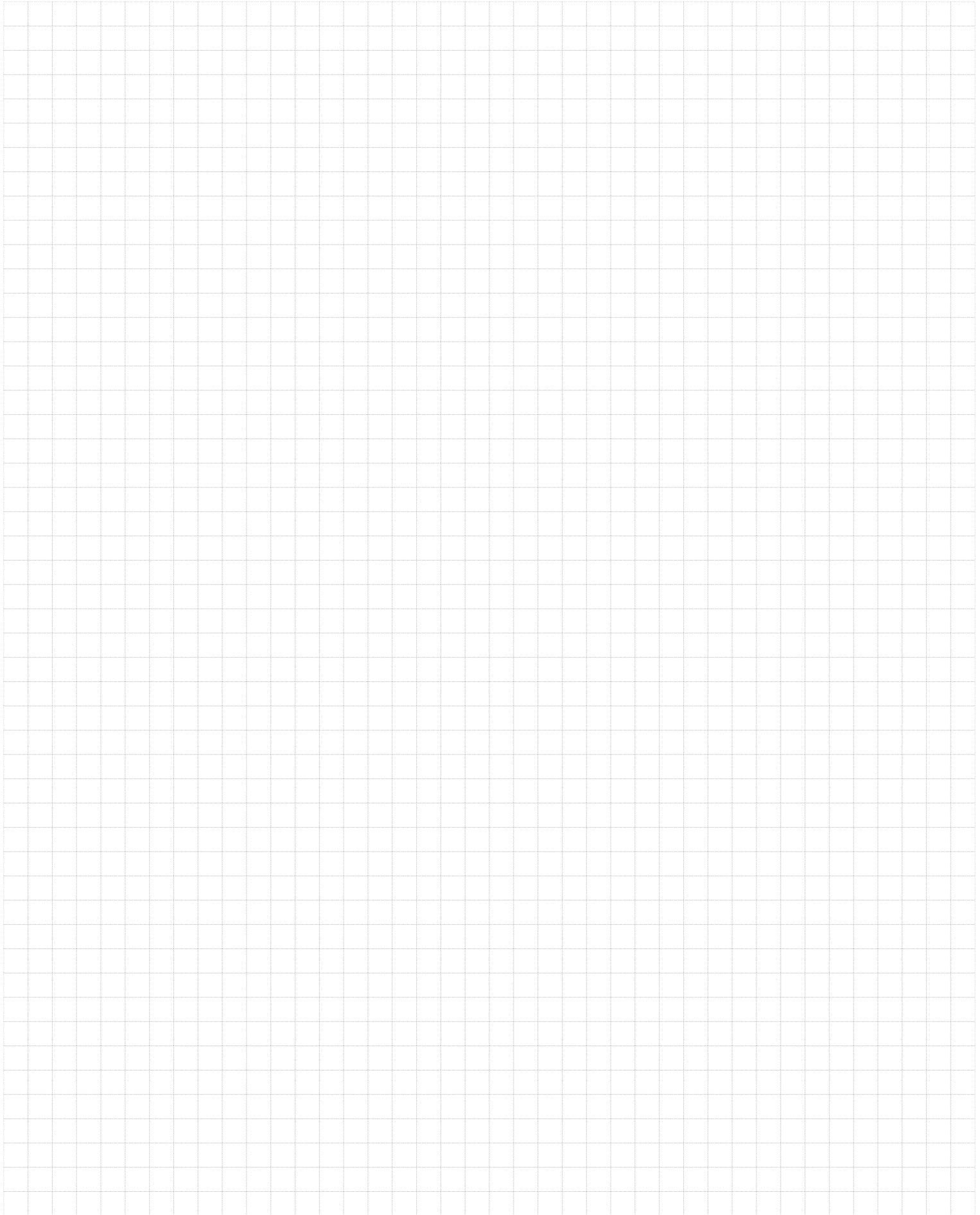


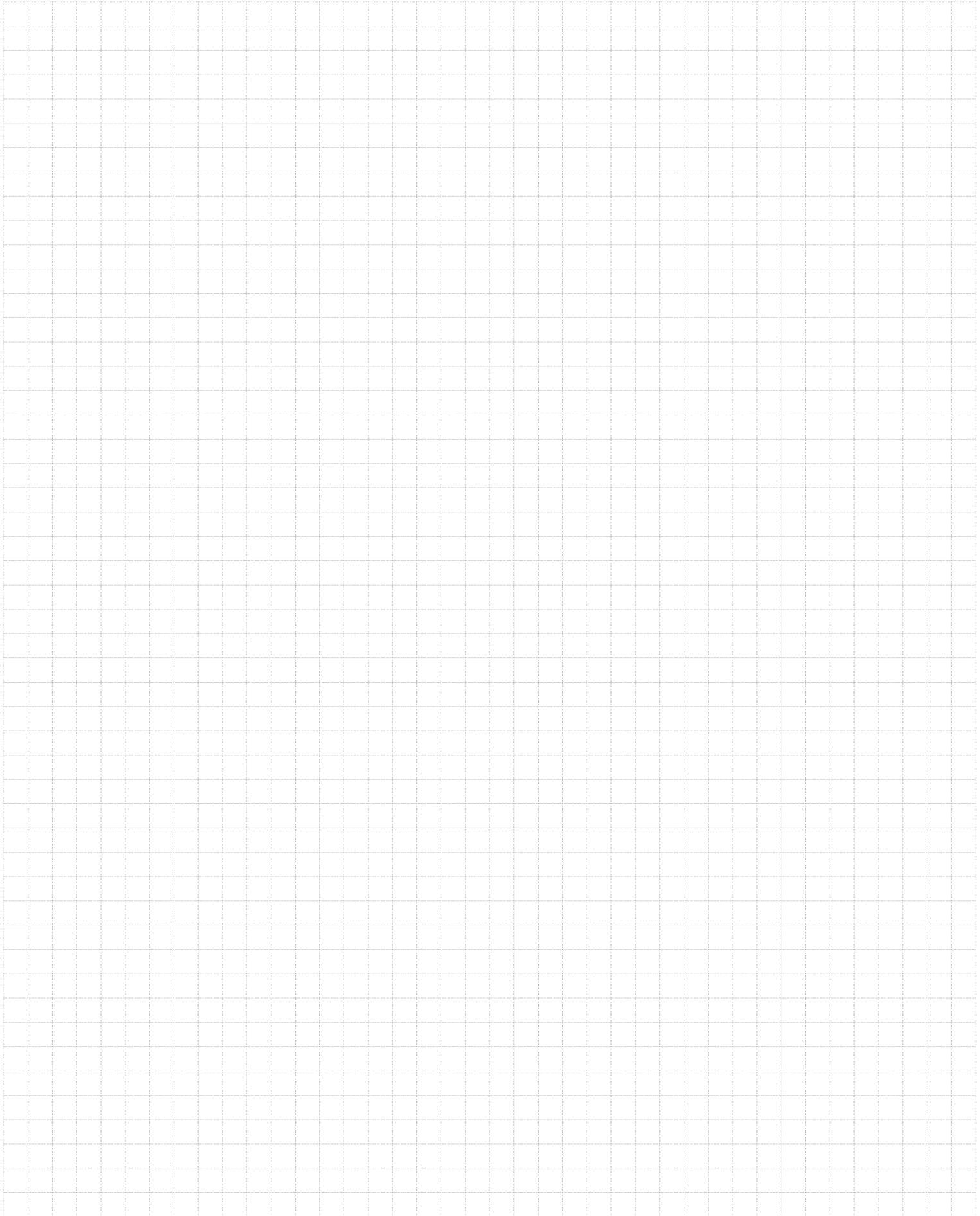
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Centimeters

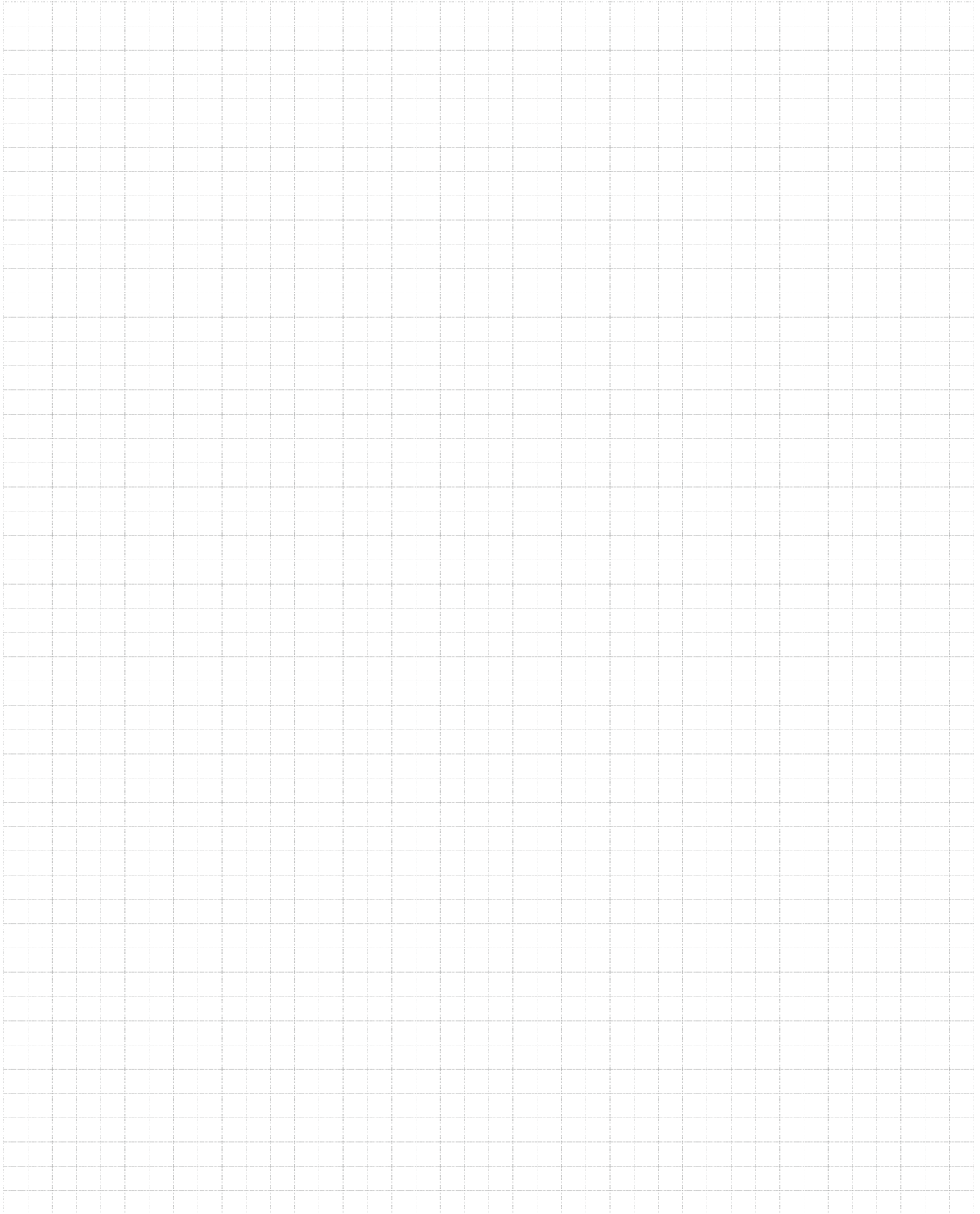
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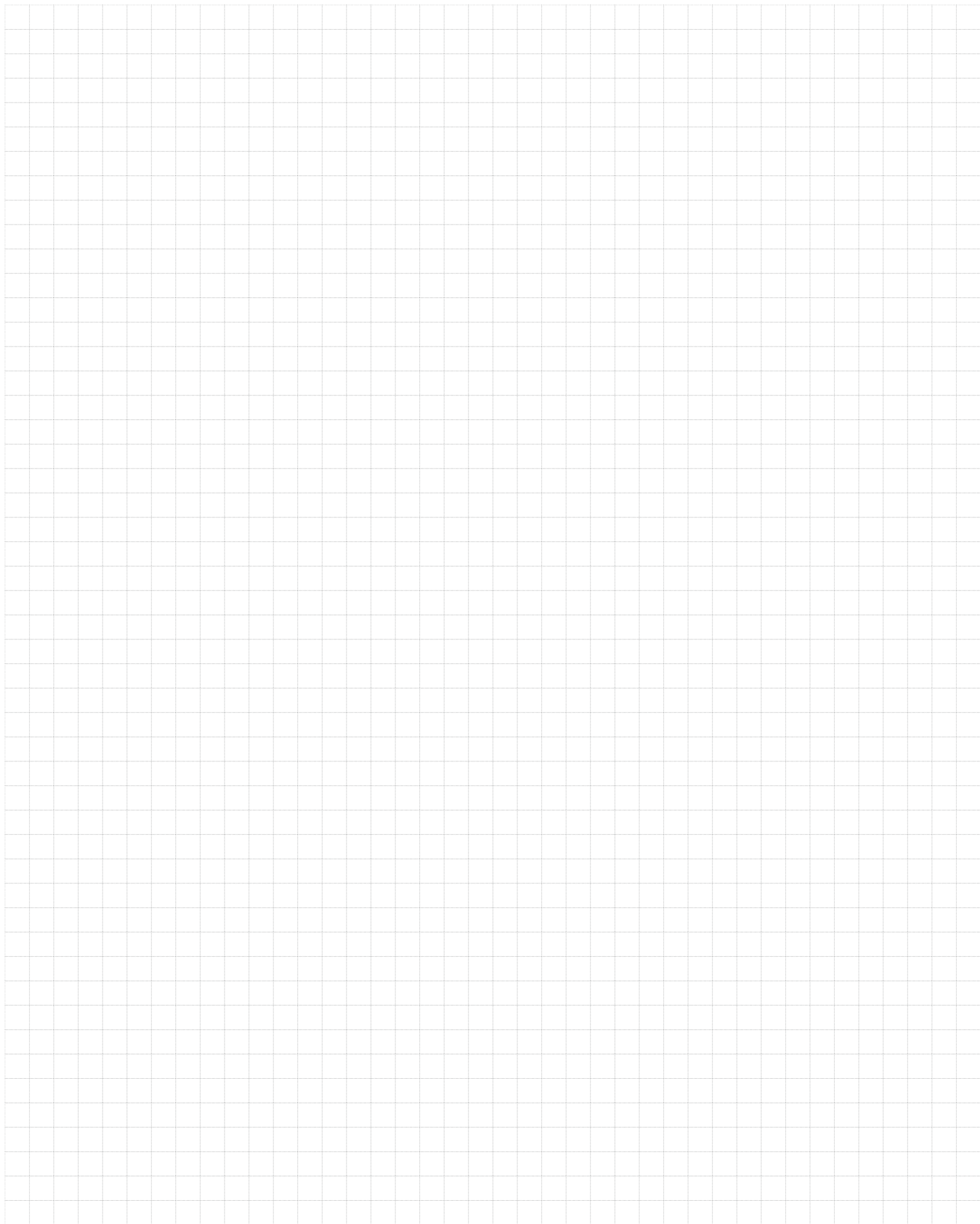


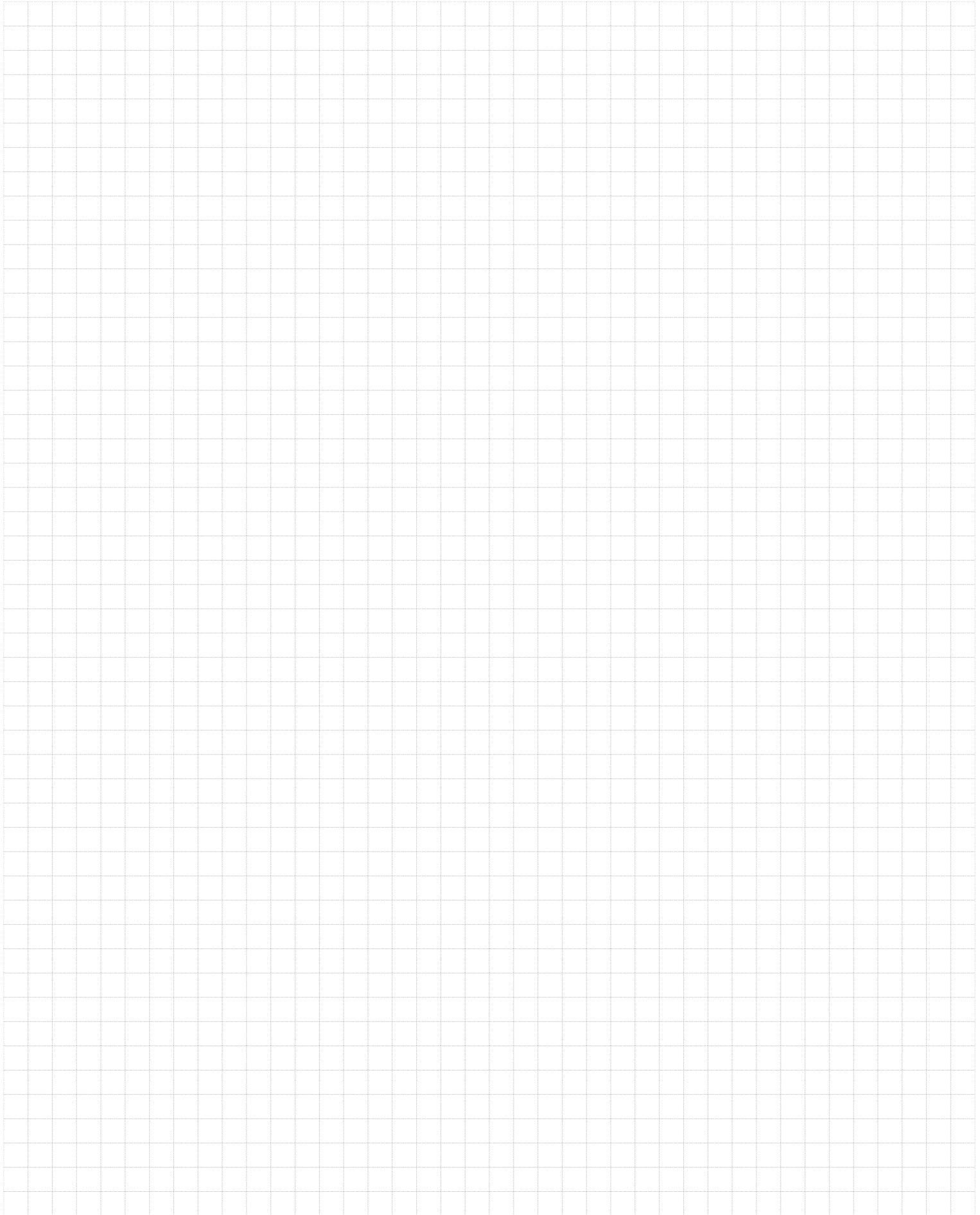


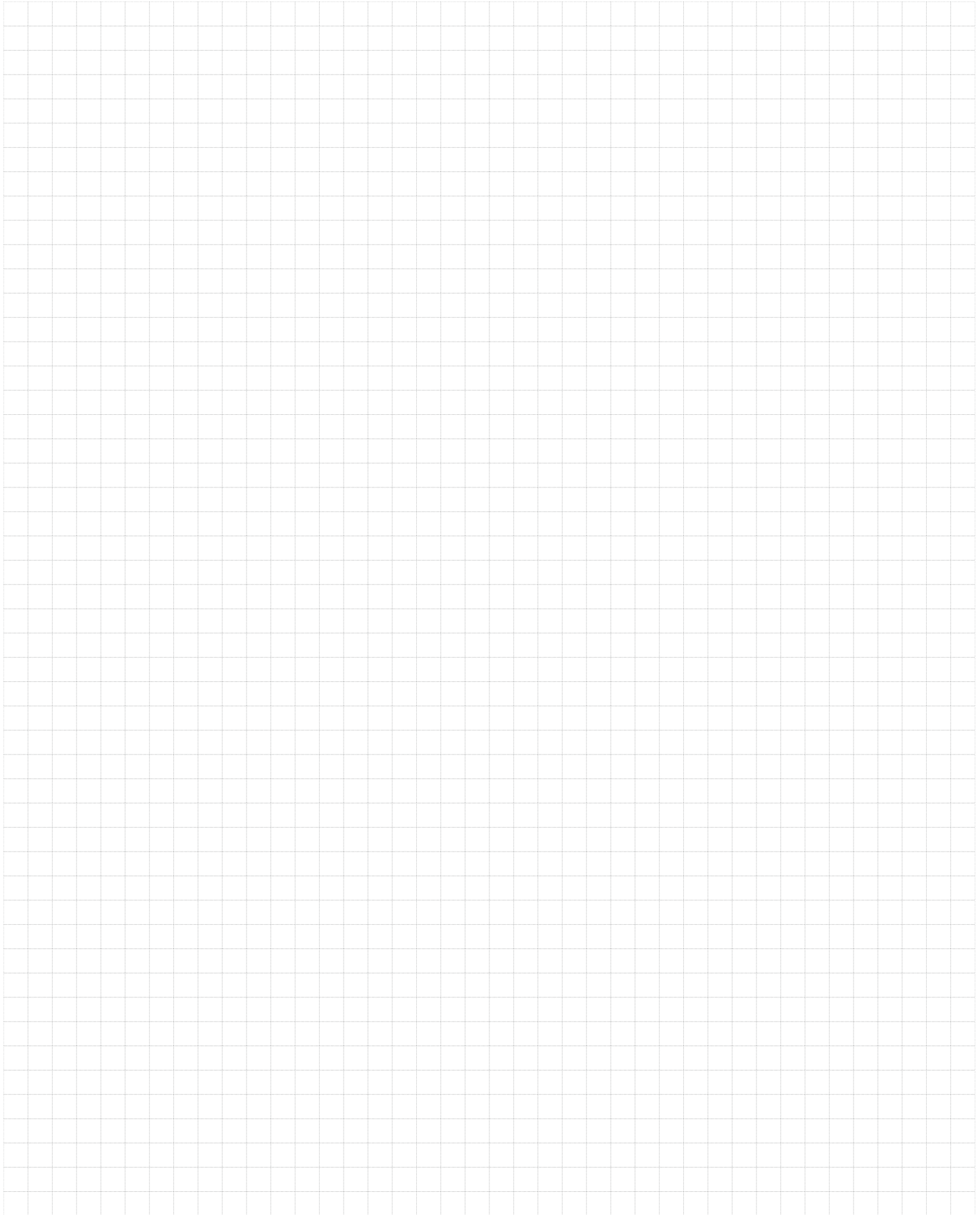




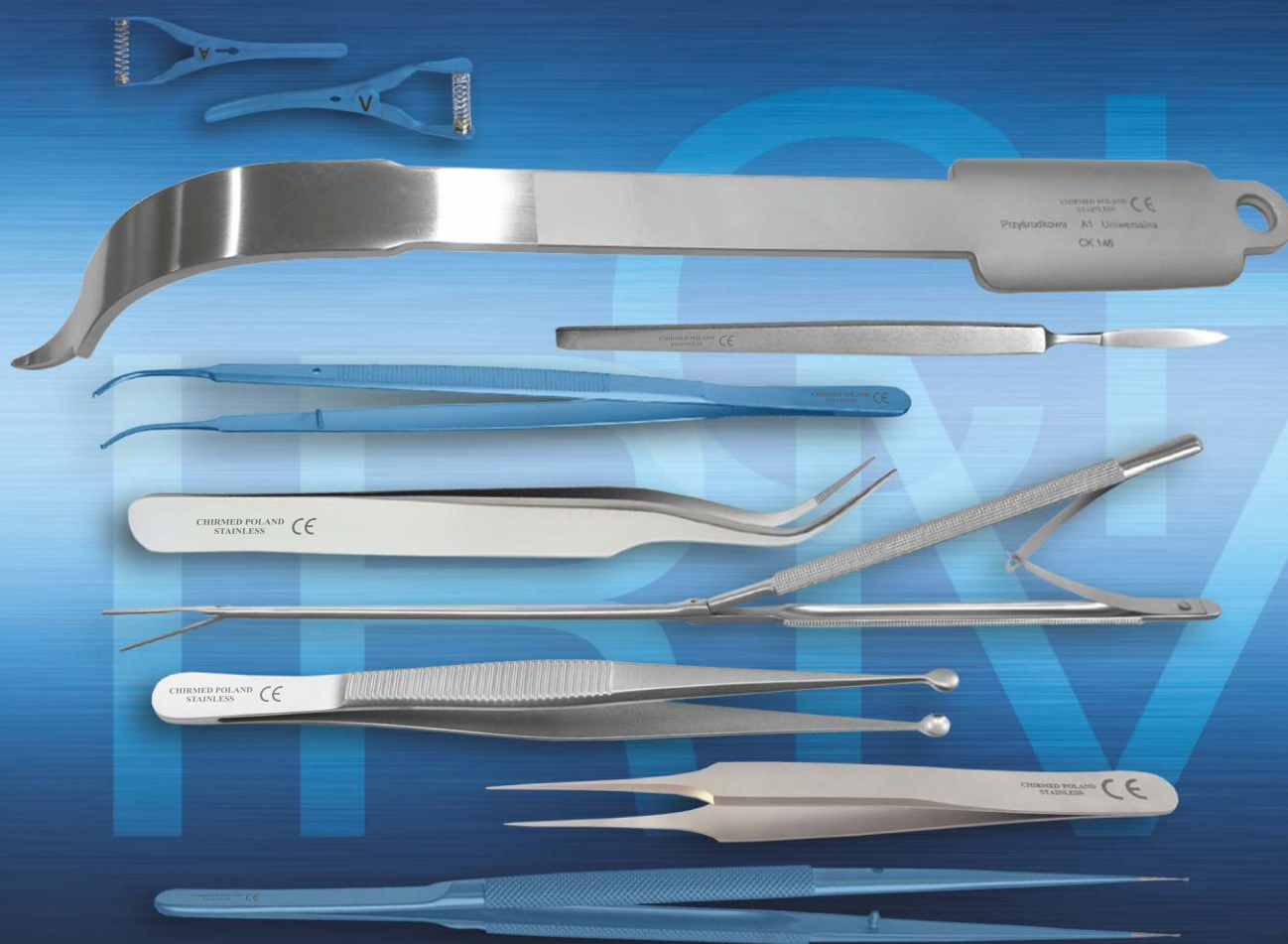












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