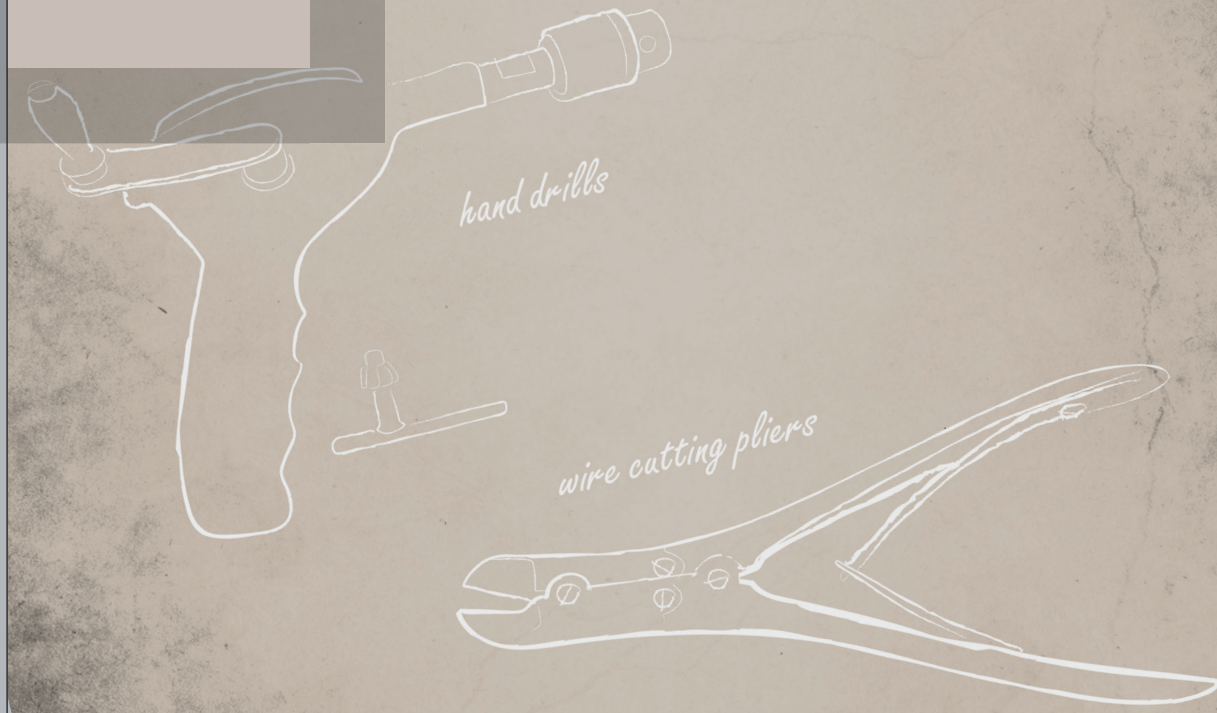


OPEN SURGERY



Knochenchirurgie

Bone Surgery

Chirurgia ósea

Chirurgie osseuse

Chirurgia osseas

190

Gipsmesser; Gipssäge
Plaster Knives; Plaster Saws

Cuchillos para yeso; Sierras para yeso
Couteaux pour plâtre; Scies pour plâtre
Coltelli per gesso; Seghe per gesso



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
190-130-20	HOPKINS	20,0 cm; 7 7/8"	

mit Holzheft | with wooden handle
con mango de madera | avec manche en bois | con manico di legno



190-138-18	ESMARCH	18,0 cm; 7 1/8"	
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190-140-18	REINER	18,0 cm; 7 1/8"	
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190-160-14	ENGEL	15,0 cm; 5 7/8"	
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190-162-18	BERGMANN	18,0 cm; 7 1/8"	
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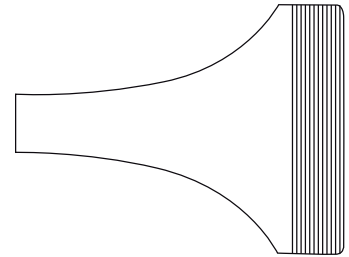


Gipsspreizer; Gipsabreißzangen
Plaster Spreaders; Plaster Breakers

Separadores para yeso; Pinzas para romper yeso
 Pincés pour plâtre; Pincés pour rompre plâtre
 Pinze per gesso; Pinze per rompere gesso

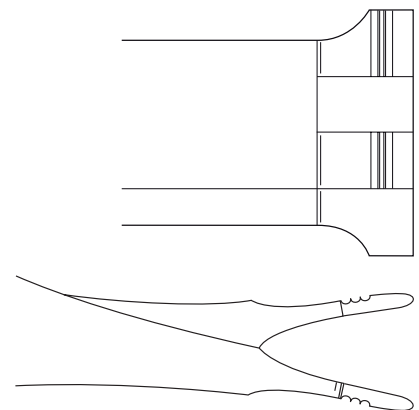


Art.Nr.	Beschreibung Description	Size	Spez.
190-200-28	HENNING	28,0 cm; 11"	



1/1

190-220-23	MODELL USA	23,0 cm; 9"	
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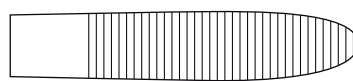


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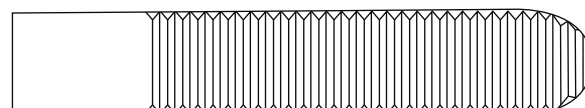
WOLFF



190-204-18	18,0 cm; 7"
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190-204-24	24,0 cm; 9 4/8"
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1/1

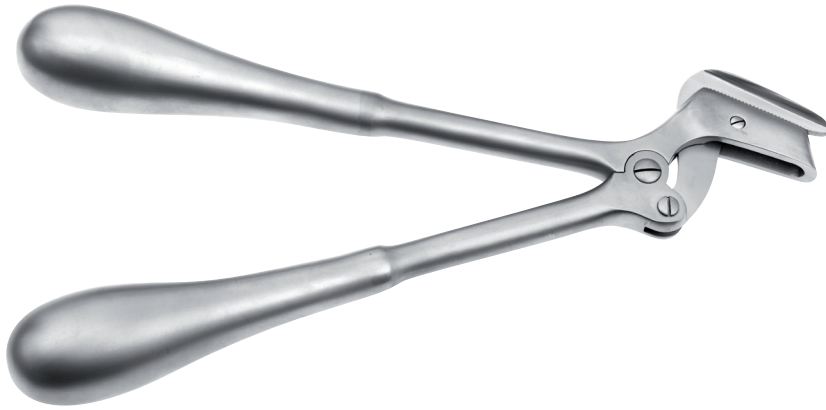
Gipsscheren
Plaster Shears

Tijeras para yeso
Ciseaux pour plâtre
Forbici per gesso

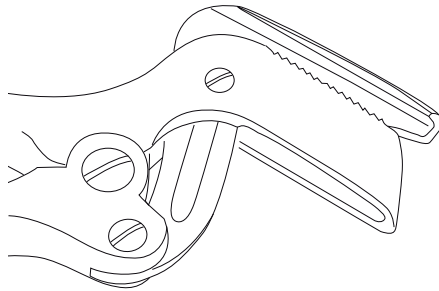


Art.Nr. **Beschreibung | Description** **Size** **Spez.**

STILLE



- 190-208-23 23,0 cm; 9"
- 190-208-26 26,0 cm; 10 5/8"
- 190-208-37 37,0 cm; 15"





Art.Nr. **Beschreibung | Description** **Size** **Spez.**

BLUEPOWER



SET

190-420-00 **Gipssäge mit Sägeblätter für Synthetic Verbände 230 V; 50 HZ**
Plaster Saw with blades for synthetic casts 230 V; 50 HZ
Sierra oscilante para vendaje dura 230 V; 50 HZ
Scie oscillante pour plâtre synthétique 230 V; 50 HZ
Sega oscillata per bendaggi duri 230 V; 50 HZ

komplett mit 2 Sägeblättern (190-408-50, 190-408-65) und 2 Schraubenschlüssel (190-420-99)
complete with 2 saw blades (190-408-50, 190-408-65) and 2 wrenches (190-420-99)
completo con 2 hojas de sierra (190-408-50, 190-408-65) y 2 llaves de tuercas (190-420-99)
complet avec 2 lames de scie (190-408-50, 190-408-65) et clé à écrou (190-420-99)
completa con 2 lame (190-408-50, 190-408-65) e 2 chiavi (190-420-99)

190-420-01 **Gipssäge mit Sägeblätter für Naturgipsverbände 230 V; 50 HZ**
Plaster Saw with blades for plaster of paris 230 V; 50 HZ
Sierra oscilante para vendaje enyesado 230 V; 50 HZ
Scie oscillante pour plâtre régulier 230 V; 50 HZ
Sega oscillata per ingessatura 230 V; 50 HZ

komplett mit 2 Sägeblättern (190-407-50, 190-407-65) und 2 Schraubenschlüssel (190-420-99)
complete with 2 saw blades (190-407-50, 190-407-65) and 2 wrenches (190-420-99)
completo con 2 hojas de sierra (190-407-50, 190-407-65) y 2 llaves de tuercas (190-420-99)
complet avec 2 lames de scie (190-407-50, 190-407-65) et clé à écrou (190-420-99)
completa con 2 lame (190-407-50, 190-407-65) e 2 chiavi (190-420-99)

190-430-00 **BLUEPOWER**

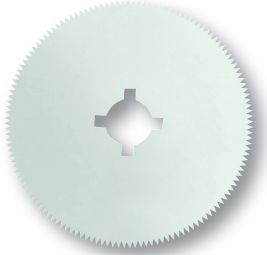
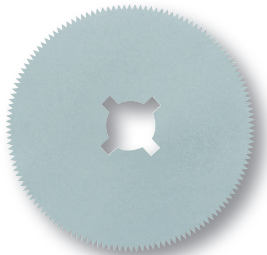
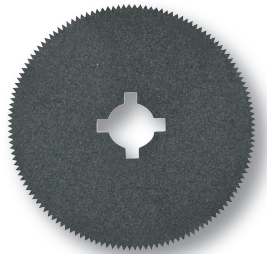
Gipssäge (190-420-00) mit Absaugung (190-430-99) 230 V; 50 HZ
Plaster Saw (190-420-00) with vacuum (190-430-99) 230 V; 50 HZ
Sierra oscilante (190-420-00) con aspiración (190-430-99) 230 V; 50 HZ
Scie oscillante (190-420-00) avec aspiration (190-430-99) 230 V; 50 HZ
Sega oscillata (190-420-00) con aspirazione (190-430-99) 230 V; 50 HZ

SET



190



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
<p>für Naturgipsverbände for plaster of paris para vendaje enyesado pour plâtre régulier per gesso naturale</p>			
190-407-50	Ø 50 mm		190-407-65 Ø 65 mm
<p>für syntehtische Hartverbände for synthetic casts para vendaje duro pour plâtre synthétique per bendaggi duri (sintetici)</p>			
190-408-50	Ø 50 mm		190-408-65 Ø 65 mm
<p>PTFE-Antihaftbeschichtung PTFE non-stick coating Recubrimiento antiadherente de PTFE Revêtement PTFE antiadhérent Rivestimento antiadesione in PTFE</p>			
190-409-50	Ø 50 mm		190-409-65 Ø 65 mm



Art.Nr. Beschreibung | Description Size Spez.

Segment für Naturgipsverbände
Segmented for plaster of paris
De segmentos para vendajes de yeso
Segment pour plâtres naturels
Segmento per bendaggi in gesso naturale

Ø 65 mm

190-413-65



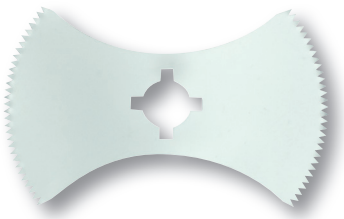
190-414-65



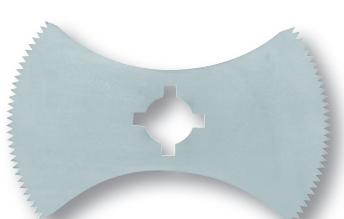
Segment für Naturgipsverbände
Segmented for plaster of paris
De segmentos para vendajes de yeso
Segment pour plâtre naturels
Segmento per bendaggi in gesso naturale

Ø 65 mm

190-415-65



190-416-65



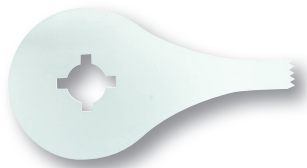


Art.Nr.	Beschreibung Description	Size	Spez.
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Tiefensägeblätter für Naturgipsverbände
Deep saw blades for plaster of paris
Hojas de sierra de profundidad para vendajes de yeso
Lame de scie circulaire plâtre épais pour plâtres naturels
Lama a taglio di profondità per bendaggi in gesso naturale

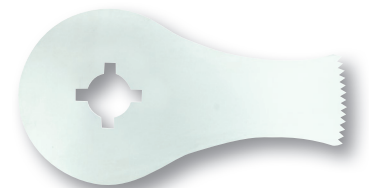
190-417-08

8 mm



190-417-20

20 mm

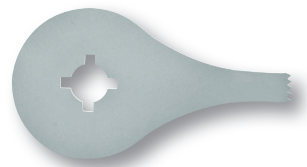


Tiefensägeblätter für synthetische Hartverbände
Deep saw blades for synthetic casts

Hojas de sierra de profundidad para vendajes sintéticos rígidos
Lame de scie circul. plâtre épais pour bandages durs
Lama a taglio di profondità per bendaggi duri (sintetici)

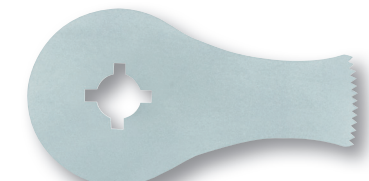
190-418-08

8 mm



190-418-20

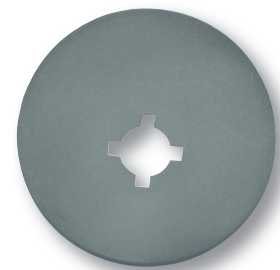
20 mm



190-419-90

Exzentrische Begrenzungsscheibe für Tiefenbegrenzung
Excentric disc to limit depth of cut

Disco de tope excéntrico para tope de profundidad
Disque de limitation excentrique pour limitation de profondeur
Disco di limitazione eccentrico per limitazione della profondità



190



Art.Nr.	Beschreibung Description	Size	Spez.
190-210-35	<p>CHARRIÈRE mit 2 Sägeblättern; 12 mm und 18 mm with 2 saw blades; 12 mm and 18 mm con 2 hojas; 12 mm y 18 mm avec 2 lames ;12 mm et 18 mm con 2 lame; 12 mm e 18 mm</p>	35,0 cm; 13 6/8"	SET



Ersatzsägeblätter

Saw blades

Hojas de recambio

Lames de rechange

Lame di ricambio



190-211-12 12 mm

190-211-15 15 mm

190-211-18 18 mm



Art.Nr.	Beschreibung Description	Size	Spez.
190-212-39	BIER mit 3 Sägeblättern; 4 mm, 6 mm und 8 mm with 3 saw blades; 4 mm, 6 mm and 8 mm con 3 hojas; 4 mm, 6 mm y 8 mm avec 3 lames; 4 mm, 6 mm et 8 mm con 3 lame; 4 mm, 6 mm e 8 mm	40,5 cm; 16"	SET



Ersatzsägeblätter

Saw blades

Hojas de recambio

Lames de rechange

Lame di ricambio



190-213-04 4 mm

190-213-06 6 mm

190-213-08 8 mm



Art.Nr.	Beschreibung Description	Size	Spez.
190-218-23	LANGENBECK	24,0 cm; 9 4/8"	



CHARRIÈRE



190-220-27 27,0 cm; 10 3/8"

190-220-30 30,0 cm; 11 3/4"

190-220-34 34,0 cm; 13 1/3"

190-225-31	SATTERLEE	29,0 cm; 11 3/8"	
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190-225-20 **Ersatzsägeblatt**
Saw blade
Hoja de recambio
Lames de rechange
Lame di ricambio

Amputationsschild; Bohrerführungsinstrument

Amputation Retractor; Drill Guide

Retractor para amputación; Pinza-guía

Retracteur pour amputation; Pince-guide

Reattore per amputazione; Pinza guida

TONTARRA

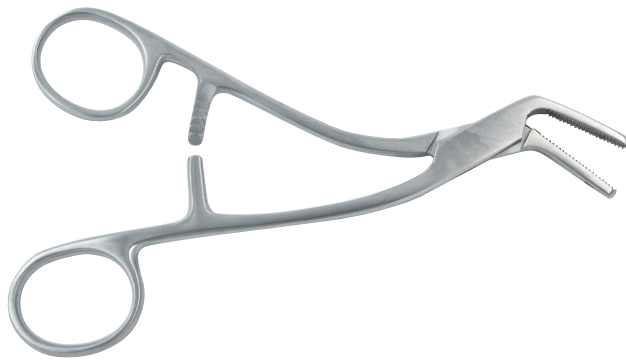


Art.Nr.	Beschreibung Description	Size	Spez.
190-240-00	PERCY		

auseinandernehmbar | detachable | desmontable | démontable | smontabile



190-242-15	ADSON	15,0 cm; 5 7/8"	
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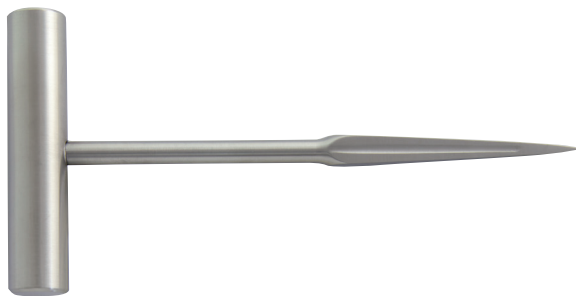
190



Art.Nr.	Beschreibung Description	Size	Spez.
190-244-13		14,0 cm; 5 1/8"	



190-245-14	eine Seite konkav one side concave un lado cóncavo un côté concave un lato concavo	14,0 cm; 5 1/8"	
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1/1

PERTHES



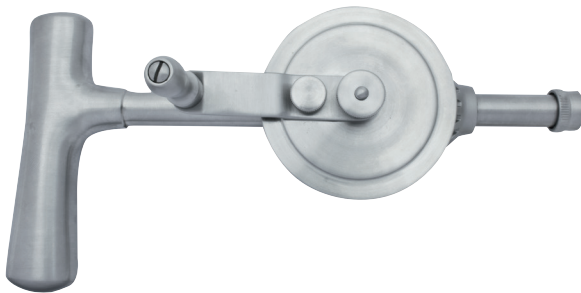
190-246-18 18,0 cm; 7 1/8"

190-246-21 21,5 cm; 8 4/8"



Art.Nr.	Beschreibung Description	Size	Spez.
190-260-00	STILLE		SET

mit 9 Bohrern und Fräser | with 9 twist drills and burrs
con 9 brocas y fresas | avec 9 méche et fraise | con 9 punte e frese



bestehend aus: | consisting of:

compuesto de: | composé de: | composto da:

190-261-25; 190-261-30; 190-261-35; 190-261-40; 190-262-10; 190-263-05; 190-263-08;
190-263-12; 190-263-16

Spiralbohrer für Handbohrapparat
Twist drills for hand drill

Brocas espiral para perforadores de mano
Mèche hélicoïdale pour perforateurs à main
Punta a spirale per perforatori a mano

190-261-10	Ø 1,0 mm		190-261-30	Ø 3,0 mm	
190-261-15	Ø 1,5 mm		190-261-35	Ø 3,5 mm	
190-261-20	Ø 2,0 mm		190-261-40	Ø 4,0 mm	
190-261-25	Ø 2,5 mm				

Fräser für Handbohrapparat
Burrs for hand drill

Taladros para perforadores de mano
Fraise pour perforateurs à main
Frese per perforatori a mano

190-262-10	Ø 10,0 mm				
190-263-05	Ø 5,0 mm		190-263-12	Ø 12,0 mm	
190-263-08	Ø 8,0 mm		190-263-16	Ø 16,0 mm	

190



Art.Nr.	Beschreibung Description	Size	Spez.
190-270-00	HUDSON mit Fräsern Fig. 1-4 und Verlängerungsstück with burrs Fig. 1-4 and extension piece con fresas Fig. 1-4 y pieza de prolongación avec fraises Fig. 1-4 et pièce de rallonge con frese Fig. 1-4 e giunto di prolungamento		SET



bestehend aus: | consisting of:
compuesto de: | composé de: | composto da:
190-271-00; 190-271-10; 190-271-14; 190-271-16; 190-271-22; 190-270-01

190-271-00	Verlängerungsstück Extention piece Pieza de prolongación Pièce de rallonge Giunto di prolungamento
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Kegelfräser
Conical Burrs
Fresas cónica
Fraise conique
Fresa conica

190-271-10	Fig. 1	Ø 10,0 mm	
190-271-14	Fig. 2	Ø 14,0 mm	
190-271-16	Fig. 3	Ø 16,0 mm	
190-271-22	Fig. 4	Ø 22,0 mm	



Art.Nr.	Beschreibung Description	Size	Spez.
190-272-13	CUSHING Flachbohrer Flat trephine Taladro plano Fraise plate Trapano piatto	Ø 13,0 mm	
190-273-24	ADSON Spiralbohrer Twist drill Broca espiral Mèche hélicoidale Punta a spirale	Ø 2,0 mm	
190-274-13	MC KENZIE Fräser Burr Taladro Fraise Frese	Ø 13,0 mm	
190-274-16	ERRICO Fräser Burr Taladro Fraise Frese	Ø 16,0 mm	
190-280-04	MOORE mit 3 Bohrer (190-280-10) with 3 drills (190-280-10) con 3 brocas (190-280-10) avec 3 fraises (190-280-10) con 3 punte (190-280-10)	27,5 cm; 10 7/8"	SET



1 x 90 x 3,2 mm



2 x 70 x 3,2 mm



190-280-10

Spiralbohrer; Handbohrapparate Twist Drill; Hand Drills

Brocas espirales; Perforadores de mano
Mèche hélicoidale; Perforateurs à main
Punta a spirale; Perforatori a mano



Art.Nr.	Beschreibung Description		Size	Spez.	
	glatter Schaft smooth shaft vástago liso tige lisse asta liscia				
190-288-10	Ø 1,0 mm	190-288-28	Ø 2,8 mm	190-288-40	Ø 4,0 mm
190-288-15	Ø 1,5 mm	190-288-30	Ø 3,0 mm	190-288-45	Ø 4,5 mm
190-288-20	Ø 2,0 mm	190-288-32	Ø 3,2 mm	190-288-50	Ø 5,0 mm
190-288-25	Ø 2,5 mm	190-288-35	Ø 3,5 mm	190-288-60	Ø 6,0 mm

190-296-00 **BUNNELL** längsdurchbohrt; mit Dreibackenspannfutter und Schlüssel
longitudinally bored with three-jaw chuck and key
taladrado longitudinalmente con mandril de tres mordazas y llave
à perforation axiale avec mandrin à trois mâchoires et clé
forati longitudinalmente con mandrino a tre ganasce e chiave



Spannweite bis Ø 4,0 mm
Opening up to Ø 4,0 mm
Abertura hasta Ø 4,0 mm
Overture jusqu'à Ø 4,0 mm
Apertura fino a Ø 4,0 mm

190-300-00 **RALK** längsdurchbohrt; mit Dreibackenspannfutter und Schlüssel
longitudinally bored with three-jaw chuck and key
taladrado longitudinalmente con mandril de tres mordazas y llave
à perforation axiale avec mandrin à trois mâchoires et clé
forati longitudinalmente con mandrino a tre ganasce e chiave


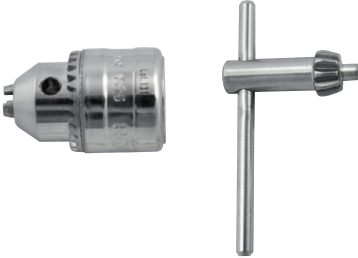



Spannweite Ø 0,8 mm bis Ø 7,0 mm
Opening Ø 0,8 mm up to 7,0 mm
Abertura Ø 0,8 mm hasta 7,0 mm
Overture Ø 0,8 mm jusqu'à 7,0 mm
Apertura Ø 0,8 fino a 7,0 mm

Bohrhandgriff; Dreibackenspannfutter Drill Handles; Three-Jaw Chuck

Perforadores de mano; Mandril de tres mordazas
Perforateurs à main; Mandrin à trois mâchoires
Perforatori a mano; Mandrino a tre ganasce








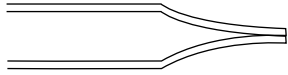


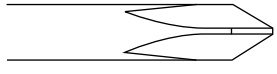



Art.Nr.	Beschreibung Description	Size	Spez.
190-303-10	Bohrhandgriff Handle Mango Manches Perforatore a mano mit Dreibacken-Spannfutter und Schlüssel with three-jaw-chuck and key con mandril de tres mordazas y llave avec mandrin à trois mâchoires et clé con mandrino a tre ganasce e chiave		
			
190-312-00	Dreibacken-Spannfutter mit Spannschlüssel Three-jaw-chuck with key Mandril de tres mordazas y llave Mandrin à trois mâchoires et clé Mandrino a tre guance e chiave		
			
190-312-01	Spannschlüssel Key llave Clé Chiave per il mandrino		
			

Schraubendreher mit Kunststoffgriff
Screwdriver with Plastic Handle

Destornilladores con mango de plástico
Tournevis avec manche en plastique
Giraviti con manico di plastica

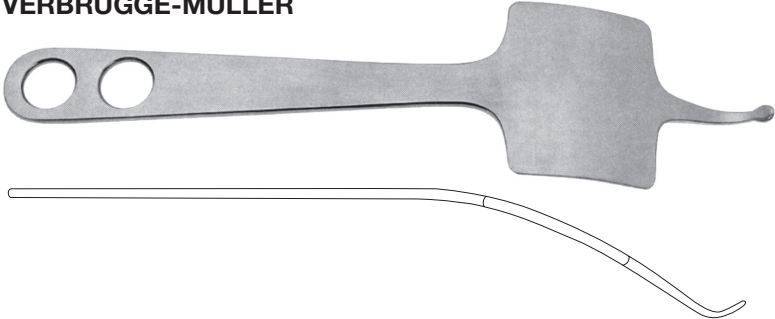
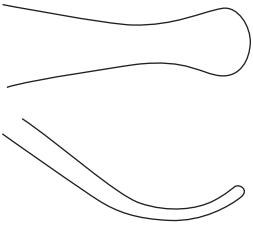

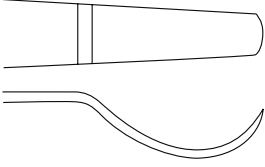

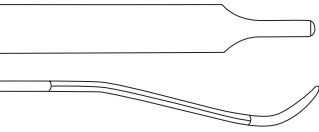

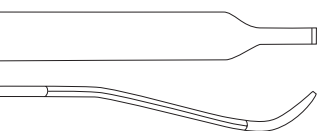

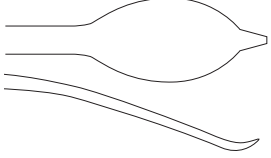

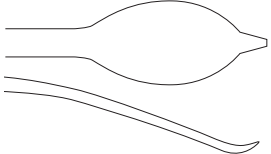


Art.Nr.	Beschreibung Description	Size	Spez.
190-330-25	Hexagonal Hexagonal Hexagonal Hexagonale Esagonale	25,0 cm; 10"	
		 2,5 mm	
190-331-25	Hexagonal Hexagonal Hexagonal Hexagonale Esagonale	25,0 cm; 10"	
		 3,5 mm	
190-332-25	Schlitz Flat tip Ranurada Lame pour vis à tête fendue Fessura	25,0 cm; 10"	
		 6 mm	
190-333-25	Kreuzschlitz phillips attachment Punta philips Lame philips Punta philips	25,0 cm; 10"	
		 6 mm	



Art.Nr.	Beschreibung Description	Size	Spez.
190-335-00	durchbohrt; mit Schnellspannfutter perforated and quick-action chuck perforato; con inesto rapido manche pour tournevis perforato; con innesto rapido	14,5 cm; 5,8"	
			
190-336-01	Schlitz Flat tip Ranurada Lame pour vis á tête fendue Fessura	14,0 cm; 5,6"	
		 6 mm	
190-336-02	Kreuzschlitz groß Phillips attachment Punta philips Lame philips Punta philips	14,0 cm; 5,6"	
		 5 mm	
190-336-03	Kreuzschlitz klein Phillips attachment Punta philips Lame philips Punta philips	14,0 cm; 5,6"	
		 4 mm	
190-336-04	Hexagonal Hexagonal Hexagonal Hexagonale Esagonale	14,0 cm; 5,6"	
		 2,5 mm	
190-336-05	Hexagonal Hexagonal Hexagonal Hexagonale Esagonale	14,0 cm; 5,6"	
		 3,5 mm	



Art.Nr.	Beschreibung Description	Size	Spez.
190-564-64	VERBRUGGE-MÜLLER 	25,0 cm; 10" 65 mm	
1/1			
190-570-07		15,0 cm; 5 7/8" 7 mm	
1/1			
190-571-06	MINI-HOHMANN 	16,0 cm; 6 2/8" 6 mm	
1/1			
190-571-08	MINI-HOHMANN 	16,0 cm; 6 2/8" 8 mm	
1/1			
190-571-15		16,0 cm; 6 2/8" 15 mm	
1/1			
190-571-16		12,0 cm; 4 6/8" 15 mm	
1/1			

Knochenhebel
Bone Levers

Elevadores para hueso
Leviers à os
Elevatori per ossa



Art.Nr.	Beschreibung Description	Size	Spez.
190-572-08	HOHMANN	21,5 cm; 8 4/8" 8 mm	
1/1			
190-572-18	HOHMANN	23,5 cm; 9 2/8" 18 mm	
1/1			
190-572-43	HOHMANN	23,5 cm; 9 2/8" 43 mm	
1/1			

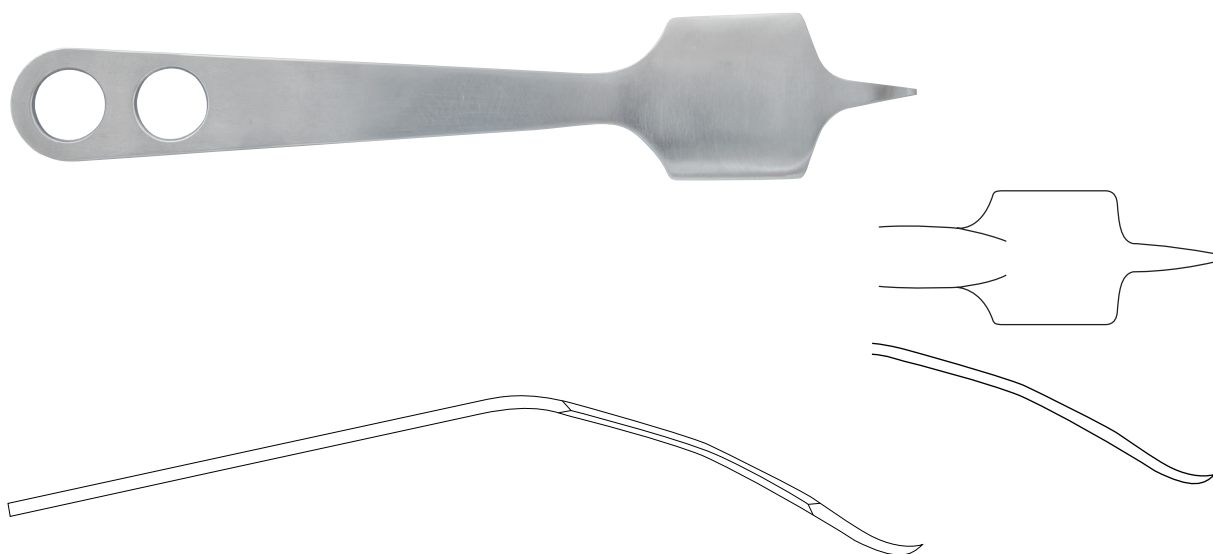


Art.Nr.	Beschreibung Description	Size	Spez.
190-573-22	HOHMANN	25,5 cm; 10" 22 mm	
1/1			
190-573-24	HOHMANN	27,5 cm; 10 7/8" 24 mm	
1/1			
190-573-35	HOHMANN	29,0 cm; 11 3/8" 35 mm	
1/1			



Art.Nr.	Beschreibung Description	Size	Spez.
190-573-43	HOHMANN	23,5 cm; 9 2/8" 43 mm	

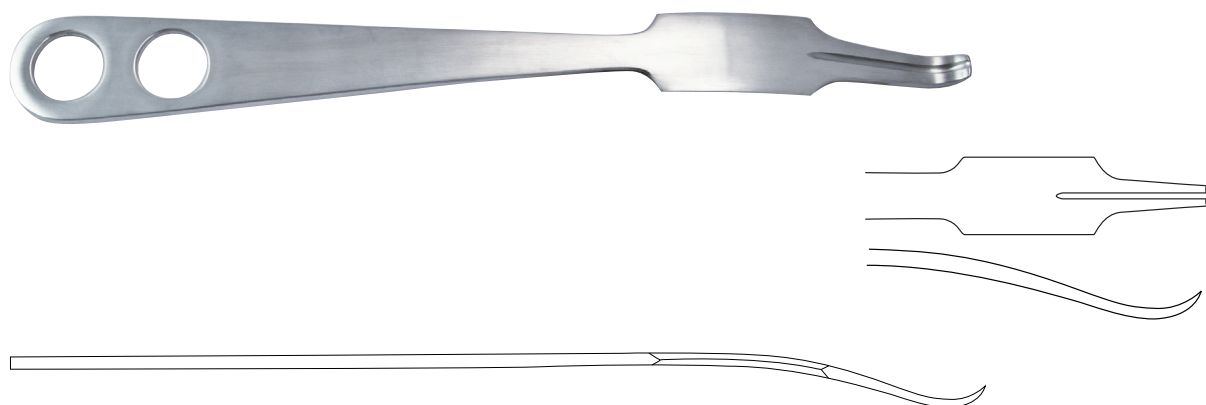
schmale Spitze | narrow tip
 punta estrecha | pointe étroite | punta stretta



1/1

190-574-22	LANGE-HOHMANN	25,0 cm; 10" 22 mm	
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breite Spitze mit Längsrille | wide tip with groove
 punta ancha con ranura | pointe large avec rainure | punta larga con scanalatura



1/1

Kniehaken
Knee Retractors

Separadores para rodilla
Ecarteurs pour le genou
Divaricatori per il ginocchio



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
190-575-26	BLOUNT stumpf blunt romo mousse smusso	26,5 cm; 10 3/8" 38 mm	



1/1

190-576-26	BLOUNT	26,5 cm; 10 3/8" 47 mm	
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1/1



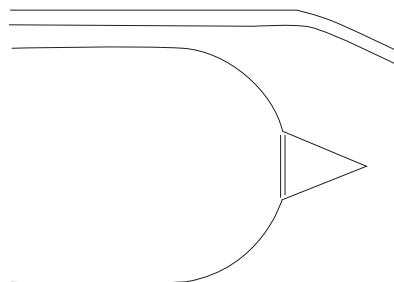
Art.Nr.	Beschreibung Description	Size	Spez.
	TAYLOR	16,0 cm; 6 2/8"	

spitz | sharp | agudo | pointu | acuto



190-577-01 75 x 30 mm

190-577-02 100 x 30 mm

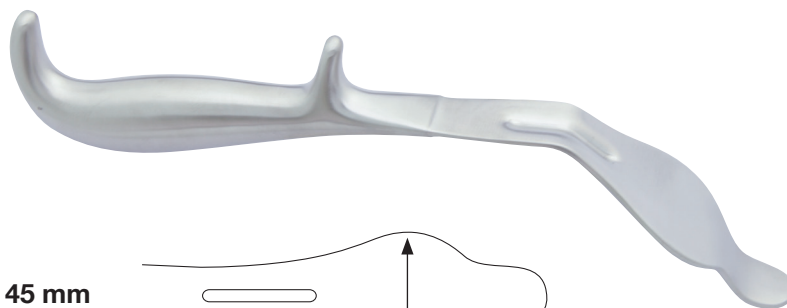


1/1

BENNETT

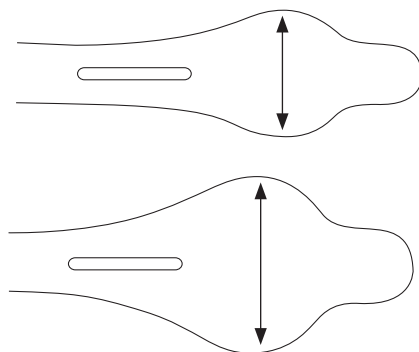
23,5 cm; 9 2/8"

stumpf | blunt | omo | mousse | smusso



190-580-45 45 mm

190-580-60 60 mm



1/1

190

Extensionsbügel

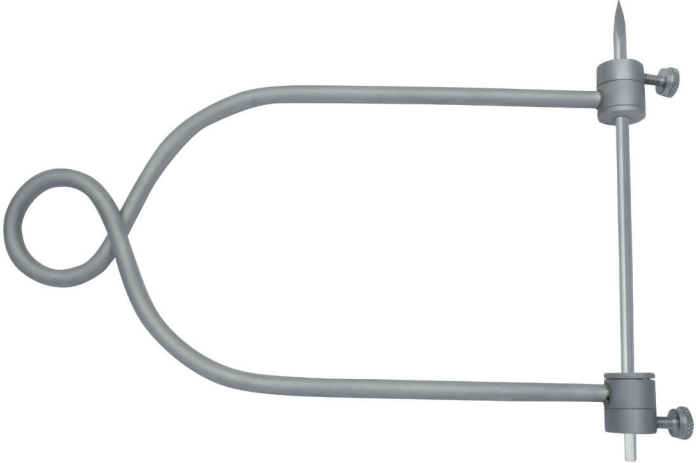
Extension Bows

Estribos para extensión

Etriers à extension

Archi per estensione



Art.Nr.	Beschreibung Description	Size	Spez.
BOEHLER			
			
190-600-01	für Arm for arm para brazo pour bras per il braccio	160 x 90 mm; 6 2/8" x 4 4/8"	
190-600-02	für Oberschenkel und Knie for femur and knee para fémur y rodilla pour fémur et genou per il femore ed il ginocchio	210 x 110 mm; 8 2/8" x 4 4/8"	
190-600-03	für Oberschenkel und Knie for femur and knee para fémur y rodilla pour fémur et genou per il femore ed il ginocchio	210 x 150 mm; 8" x 6"	

Extensionsbügel

Extension Bows

Estribos para extensión

Etriers à extension

Archi per estensione

TONTARRA



Art.Nr.	Beschreibung Description	Size	Spez.
KIRSCHNER			
mit 3 Zughaken (190-623-01) with 3 traction hook (190-623-01) con 3 ganchos de tracción (190-623-01) avec 3 crochets de traction (190-623-01) con 3 ganci di trazione (190-623-01)			
			
190-620-01	95 x 70 mm für Kinder for children para niños pour enfants per bambini		
190-620-03	105 x 105 mm für Hand- und Fußgelenk for wrist and ankle para muñeca y tobillo pour poignet et articulation du pied per polso e caviglia		
190-620-04	120 x 120 mm für Ellenbogen for elbow para codo pour coude per il gomito		
190-620-06	155 x 155 mm für Knie for knee para rodilla pour genou per il ginocchio		
190-620-07	200 x 155 mm für Oberschenkel for femur para fémur pour fémur per il femore		
190-620-90	Spannschlüssel Wire strainer Tensor de taladros filiformes Tendeur de broches Chiave per mandrino	18,5 cm; 7 7/8"	





Art.Nr.	Beschreibung Description	Size	Spez.
KIRSCHNER			
mit 3 Zughaken (190-623-01) with 3 traction hook (190-623-01) con 3 ganchos de tracción (190-623-01) avec 3 crochets de traction (190-623-01) con 3 ganci di trazione (190-623-01)			
190-622-10	185 mm; 7 2/8"		
190-622-20	265 mm; 10 4/8"		
KIRSCHNER			
mit 3 Zughaken (190-623-01) with 3 traction hook (190-623-01) con 3 ganchos de tracción (190-623-01) avec 3 crochets de traction (190-623-01) con 3 ganci di trazione (190-623-01)			
190-625-13	180 x 100 mm		
190-625-26	270 x 160 mm		
190-623-01	KIRSCHNER		
Zughaken für Extensionsbügel Traction hook for extension bow Gancho de tracción para estribos Crochet de traction pour etriers Gancio di trazione per archi			
190-625-01	Gabelschlüssel Wrench Llave de tuercas Clé de serrage Chiave per madreviti	20,0 cm; 8"	

Extensionsnägel

Extension Pins

Clavos de extensión

Clous á os

Chiodi per ossa

TONTARRA



Art.Nr.	Beschreibung Description	Size	Spez.
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Drahtgeflecht für Finger Wire mesh for fingers

Malla de alambre para dedos

Gaze de fil de métal

Maglia metallica per le dita



190-628-01	klein small pequeño petit piccolo
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190-628-02	mittel medium mediano moyen mezzo
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190-628-03	groß big grande grande grande
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STEINMANN

Ø 4,0 mm



Trokarspitze | Trocar point

Punta de trócar | Pointe de trocart | Punta a trequarti



212-348-14	14,0 cm; 5 4/8"
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212-348-16	16,0 cm; 6 2/8"
------------	-----------------

212-348-18	18,0 cm; 7"
------------	-------------

212-348-20	20,0 cm; 8"
------------	-------------



Trokar | trocar | trócar | trocart | trequarti



rund | round | redondo | ronde | rotonde



flach | flat | plano | plate | piatti

Verpackung - Etikett | Packing - Label

Tontarra Medizintechnik GmbH ist nicht der Hersteller der aufgeführten Knochennägel. Sie erhalten das Labeling des Originalherstellers.

Tontarra Medizintechnik GmbH is not the manufacturer of the illustrated Extension pins. You will receive the product with the labeling of the original manufacturer.

Knochennägel Extension Pins

Clavos de extensión

Clous à os

Chiodi per ossa

TONTARRA



Art.Nr. Beschreibung | Description Size Spez.

KIRSCHNER



Trokar-rund | trocar-round | trócar-redondo | trocart-ronde | trequarti-rotonde

	60 mm; 2 4/8"	120 mm; 5"	140 mm; 5 4/8"	160 mm; 6 2/8"	310 mm; 12 2/8"
Ø 1,0 mm	212-501-10	212-504-10	212-505-10	212-506-10	212-508-10
Ø 1,2 mm	212-501-12	212-504-12	212-505-12	212-506-12	212-508-12
Ø 1,4 mm	212-501-14	212-504-14	212-505-14	212-506-14	212-508-14
Ø 1,5 mm	212-501-15	212-504-15	212-505-15	212-506-15	212-508-15
Ø 1,6 mm	212-501-16	212-504-16	212-505-16	212-506-16	212-508-16
Ø 1,8 mm	212-501-18	212-504-18	212-505-18	212-506-18	212-508-18
Ø 2,0 mm	212-501-20	212-504-20	212-505-20	212-506-20	212-508-20
Ø 2,2 mm	212-501-22	212-504-22	212-505-22	212-506-22	212-508-22
Ø 2,5 mm				212-506-25	212-508-25

Pack á 10 Stück | Box with 10 pieces | confección de 10 piezas | Box avec 10 pcs. | Box à 10 pezzi

KIRSCHNER



Trokar-flach | trocar-flat | trócar-plano | trocart-plate | trequarti-piatti

	60 mm; 2 4/8"	120 mm; 5"	140 mm; 5 4/8"	160 mm; 6 2/8"	310 mm; 12 2/8"
Ø 0,6 mm	212-511-06				
Ø 0,8 mm	212-511-08				
Ø 1,0 mm	212-511-10	212-514-10	212-515-10	212-516-10	212-518-10
Ø 1,2 mm	212-511-12	212-514-12	212-515-12	212-516-12	212-518-12
Ø 1,4 mm	212-511-14	212-514-14	212-515-14	212-516-14	212-518-14
Ø 1,5 mm	212-511-15	212-514-15	212-515-15	212-516-15	212-518-15
Ø 1,6 mm	212-511-16	212-514-16	212-515-16	212-516-16	212-518-16
Ø 1,8 mm	212-511-18	212-514-18	212-515-18	212-516-18	212-518-18
Ø 2,0 mm	212-511-20	212-514-20	212-515-20	212-516-20	212-518-20
Ø 2,2 mm	212-511-22	212-514-22	212-515-22	212-516-22	212-518-22
Ø 2,5 mm				212-516-25	212-518-25

Knochennägel; Bohrdrahtspender Extension Pins; K-Wire Dispensers

Clavos de extensión; Dispensades para brocas filiformes
Clous à os; Distributeur de broches filiformes
Chiodi per ossa; Distributore per fili



Art.Nr. Beschreibung | Description Size Spez.

KIRSCHNER



Trokar-Trokar | trocar-trocar | trócar-trócar | trocart-trocart | trequarti-trequarti

	60 mm; 2 4/8"	120 mm; 5"	140 mm; 5 4/8"	160 mm; 6 2/8"	310 mm; 12 2/8"
Ø 0,6 mm	212-521-06	212-524-06			
Ø 0,8 mm	212-521-08	212-524-08	212-525-08		
Ø 1,0 mm	212-521-10	212-524-10	212-525-10	212-526-10	212-528-10
Ø 1,2 mm	212-521-12	212-524-12	212-525-12	212-526-12	212-528-12
Ø 1,4 mm	212-521-14	212-524-14	212-525-14	212-526-14	212-528-14
Ø 1,5 mm	212-521-15	212-524-15	212-525-15	212-526-15	212-528-15
Ø 1,6 mm	212-521-16	212-524-16	212-525-16	212-526-16	212-528-16
Ø 1,8 mm	212-521-18	212-524-18	212-525-18	212-526-18	212-528-18
Ø 2,0 mm	212-521-20	212-524-20	212-525-20	212-526-20	212-528-20
Ø 2,2 mm	212-521-22	212-524-22		212-526-22	212-528-22
Ø 2,5 mm	212-521-25	212-524-25	212-525-25	212-526-25	212-528-25

Pack á 10 Stück | Box with 10 pieces | Bonfección de 10 piezas | Box avec 10 pcs. | Box à 10 pezzi

VICKERS



	Ø Drähte Ø Wires Ø Brocas Ø Broches Ø Fili	Drahtlänge Wire lenght Longitud brocas Longueur de broches Lunghezza fili	
212-596-10	1,0 / 1,2 / 1,4 / 1,6 mm	10,0 cm	12,0 cm; 4 6/8"
212-596-15	1,0 / 1,2 / 1,4 / 1,6 mm	16,0 cm	18,5 cm; 7 2/8"
212-596-31	1,0 / 1,2 / 1,4 / 1,6 mm	31,0 cm	35,0 cm; 14"
212-598-15	1,8 / 2,0 / 2,2 / 2,5 mm	16,0 cm	18,5 cm; 7 2/8"
212-598-31	1,8 / 2,0 / 2,2 / 2,5 mm	31,0 cm	35,0 cm; 14"

190

Flachzangen
Flat Nose Pliers

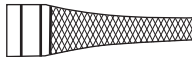
Alicates de pico plano
Pincas plates
Tenaglie piatte



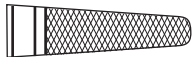
Art.Nr.	Beschreibung Description	Size	Spez.
	parallel fassend parallel grip acción paralela action parallèle afferramento parallelo	18,0 cm; 7 1/8"	TC



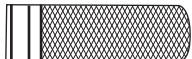
190-740-18



190-741-18



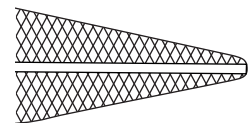
190-742-18



1/1

190-752-16	HACKSTOCK	16,0 cm; 6 2/8"
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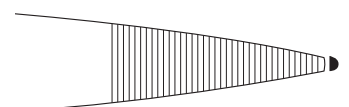
mit Längsrille | with groove
con ranura longitudinal | avec rainure longitudinale | con scanalatura longitudinale



1/1

190-753-19	spitzes Maul sharp jaw	19,0 cm; 7 4/8"
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boca aguda | mors pointu | morso acuto



1/1

Flachzangen
Flat Nose Pliers

Alicates de pico plano
Pinces plates
Tenaglie piatte



Art.Nr. **Beschreibung | Description** **Size** **Spez.**

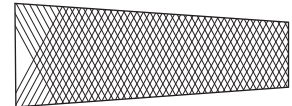
flaches Maul
flat jaw
boca plana
mors plat
morso piatto

17,0 cm; 6 6/8"



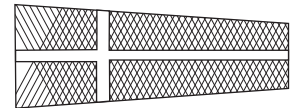
190-755-01 gerieft | serrated | estriada | strié | striata

1/1



190-755-02 **mit Kreuzrille**
with crosswise groove
con ranura en forma de cruz
avec rainures croisés
con scanalatura a croce

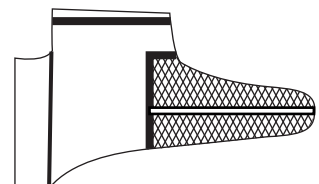
1/1



190-757-15 **Kombinationszange**
Combi-Flat Nose Plier

Combi-Alicate
Combi-Pince
Combi-Pinza

15,0 cm; 5 7/8"



1/1

190

Flachzangen
Flat Nose Pliers

Alicates de pico plano
Pincas plates
Tenaglie piatte



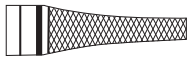
Art.Nr.	Beschreibung Description	Size	Spez.
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parallel fassend | parallel grip
acción paralela | action parallèle | afferramento parallelo

18,0 cm; 7 1/8"



190-760-18



190-761-18



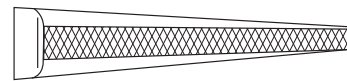
190-762-18



1/1

190-763-19

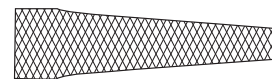
19,0 cm; 7 4/8"



1/1

190-764-14

14,0 cm; 5 3/8"



1/1

Tonnenzangen; Parallelfasszangen
Vise Grips; Parallel Pliers

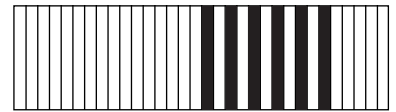
Alicates de pico plano
Pinces plates
Tenaglie piatte



Art.Nr.	Beschreibung Description	Size	Spez.
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190-765-18

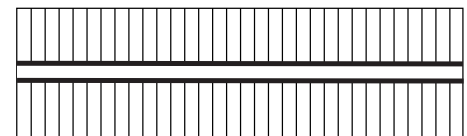
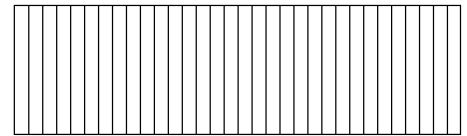
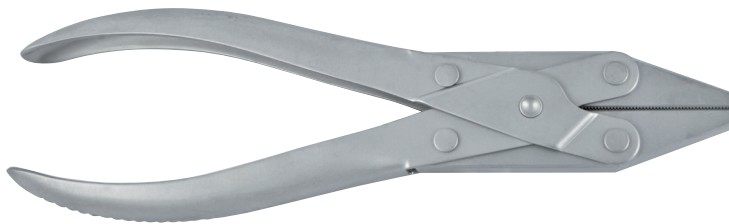
18,0 cm; 7 1/8"



1/1

190-766-18

18,5 cm; 7 2/8"



1/1

Drahtkneifzangen Wire Cutting Pliers

Alicates para cortar alambre

Pinces à couper le fil

Tenaglie tagliafili

TONTARRA



Art.Nr.	Beschreibung Description	Size	Spez.
190-768-18	<p>für weiche Drähte bis Ø 2,4 mm for soft wires up to Ø 2,4 mm para alambres blandos hasta Ø 2,4 mm pour fils mous jusqu'a Ø 2,4 mm per fili morbidi fino a Ø 2,4 mm</p> <p>für harte Drähte bis Ø 1,8 mm for hard wires up to Ø 1,8 mm para alambres duros hasta Ø 1,8 mm pour fils durs jusqu'a Ø 1,8 mm per fili metallici duri fino Ø 1,8 mm</p>	18,5 cm; 7 2/8" 13,5 mm	
190-771-16	<p>für weiche Drähte bis Ø 2,2 mm for soft wires up to Ø 2,2 mm para alambres blandos hasta Ø 2,2 mm pour fils mous jusqu'a Ø 2,2 mm per fili morbidi fino a Ø 2,2 mm</p> <p>für harte Drähte bis Ø 2,0 mm for hard wires up to Ø 2,0 mm para alambres duros hasta Ø 2,0 mm pour fils durs jusqu'a Ø 2,0 mm per fili metallici duri fino Ø 2,0 mm</p>	16,0 cm; 6 2/8" 18,0 mm	
190-770-15	<p>für weiche Drähte bis Ø 2,0 mm for soft wires up to Ø 2,0 mm para alambres blandos hasta Ø 2,0 mm pour fils mous jusqu'a Ø 2,0 mm per fili morbidi fino a Ø 2,0 mm</p> <p>für harte Drähte bis Ø 1,2 mm for hard wires up to Ø 1,2 mm para alambres duros hasta Ø 1,2 mm pour fils durs jusqu'a Ø 1,2 mm per fili metallici duri fino Ø 1,2 mm</p>	15,0 cm; 5 7/8" 14,5 mm	TC



Seitenschneider Wire Cutting Pliers

Alicates para cortar alambre

Pinces à couper le fil

Tenaglie tagliafili

TONTARRA



Art.Nr.	Beschreibung Description	Size	Spez.
190-772-18	<p>für weiche Drähte bis Ø 2,0 mm for soft wires up to Ø 2,0 mm para alambres blandos hasta Ø 2,0 mm pour fils mous jusqu'a Ø 2,0 mm per fili morbidi fino a Ø 2,0 mm</p> <p>für harte Drähte bis Ø 1,5 mm for hard wires up to Ø 1,5 mm para alambres duros hasta Ø 1,5 mm pour fils durs jusqu'a Ø 1,5 mm per fili metallici duri fino Ø 1,5 mm</p>	17,5 cm; 6 7/8" 18,0 mm	TC
190-773-17	<p>für weiche Drähte bis Ø 2,0 mm for soft wires up to Ø 2,0 mm para alambres blandos hasta Ø 2,0 mm pour fils mous jusqu'a Ø 2,0 mm per fili morbidi fino a Ø 2,0 mm</p> <p>für harte Drähte bis Ø 1,7 mm for hard wires up to Ø 1,7 mm para alambres duros hasta Ø 1,7 mm pour fils durs jusqu'a Ø 1,7 mm per fili metallici duri fino Ø 1,7 mm</p>	17,0 cm; 6 6/8"	TC
190-773-22	<p>für weiche Drähte bis Ø 2,8 mm for soft wires up to Ø 2,8 mm para alambres blandos hasta Ø 2,8 mm pour fils mous jusqu'a Ø 2,8 mm per fili morbidi fino a Ø 2,8 mm</p> <p>für harte Drähte bis Ø 2,2 mm for hard wires up to Ø 2,2 mm para alambres duros hasta Ø 2,2 mm pour fils durs jusqu'a Ø 2,2 mm per fili metallici duri fino Ø 2,2 mm</p>	23,0 cm; 9"	TC

1/1

190

1/1

Seitenschneider; Kopfschneider
Wire Cutting Pliers; Wire Cutter Front Action

Alicates para cortar alambre; Alicates frontal para cortar alambre
 Pincas à couper le fil; Pincas coupantes frontales
 Tenaglie tagliafili; Tenaglie tagliafili frontali



Art.Nr.	Beschreibung Description	Size	Spez.
190-774-23	<p>für weiche Drähte bis Ø 3,0 mm for soft wires up to Ø 3,0 mm para alambres blandos hasta Ø 3,0 mm pour fils mous jusqu'a Ø 3,0 mm per fili morbidi fino a Ø 3,0 mm</p> <p>für harte Drähte bis Ø 2,2 mm for hard wires up to Ø 2,2 mm para alambres duros hasta Ø 2,2 mm pour fils durs jusqu'a Ø 2,2 mm per fili metallici duri fino Ø 2,2 mm</p>	23,0 cm; 9"	TC
190-775-47	<p>für harte Drähte und Schrauben bis Ø 6,0 mm for hard wires and screws up to Ø 6,0 mm para alambres duros hasta Ø 6,0 mm pour fils durs jusqu'a Ø 6,0 mm per fili duri fino a Ø 6,0 mm</p>	47,0 cm; 17 3/4"	
190-776-26	<p>für weiche Drähte bis Ø 3,2 mm for soft wires up to Ø 3,2 mm para alambres blandos hasta Ø 3,2 mm pour fils mous jusqu'a Ø 3,2 mm per fili morbidi fino a Ø 3,2 mm</p> <p>für harte Drähte bis Ø 2,5 mm for hard wires up to Ø 2,5 mm para alambres duros hasta Ø 2,5 mm pour fils durs jusqu'a Ø 2,5 mm per fili metallici duri fino Ø 2,5 mm</p>	26,0 cm; 10 2/8"	
190-776-56	<p>für harte Drähte und Schrauben bis Ø 6,0 mm for hard wires and screws up to Ø 6,0 mm para alambres duros hasta Ø 6,0 mm pour fils durs jusqu'a Ø 6,0 mm per fili duri fino a Ø 6,0 mm</p>	56,0 cm; 22"	

1/1



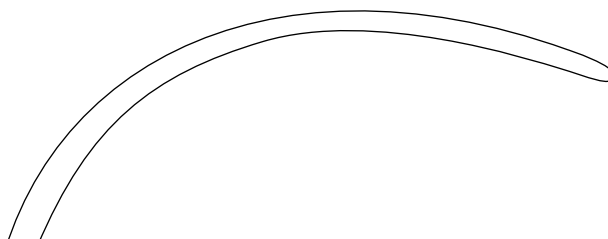
Art.Nr.	Beschreibung Description	Size	Spez.
190-780-21	LOUTE	21,0 cm; 8 2/8"	



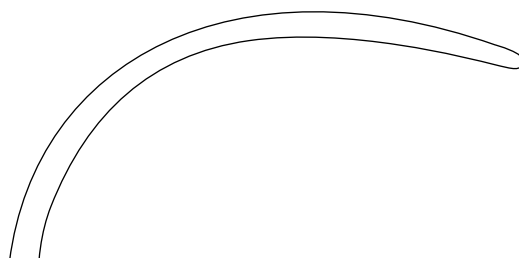
DEMEL



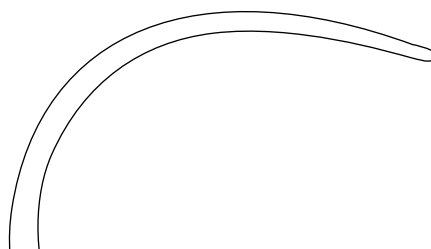
190-781-01	Fig. 1	groß big grande grande grande	31,0 cm; 12 2/8"
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190-781-02	Fig. 2	mittel medium mediano moyen medio	29,0 cm; 11 3/8"
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190-781-03	Fig. 3	klein small pequeño petit piccolo	28,0 cm; 11"
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Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
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Rolle**Coil**

Rollo

En rouleaux

Rotolo

mit 10,0 m | of 10,0 m | de 10,0 m | de 10,0 m | di 10,0 m



190-795-02	Ø 0,2 mm
190-795-03	Ø 0,3 mm
190-795-04	Ø 0,4 mm
190-795-05	Ø 0,5 mm
190-795-06	Ø 0,6 mm
190-795-07	Ø 0,7 mm
190-795-08	Ø 0,8 mm
190-795-09	Ø 0,9 mm
190-795-10	Ø 1,0 mm
190-795-12	Ø 1,2 mm
190-795-15	Ø 1,5 mm

