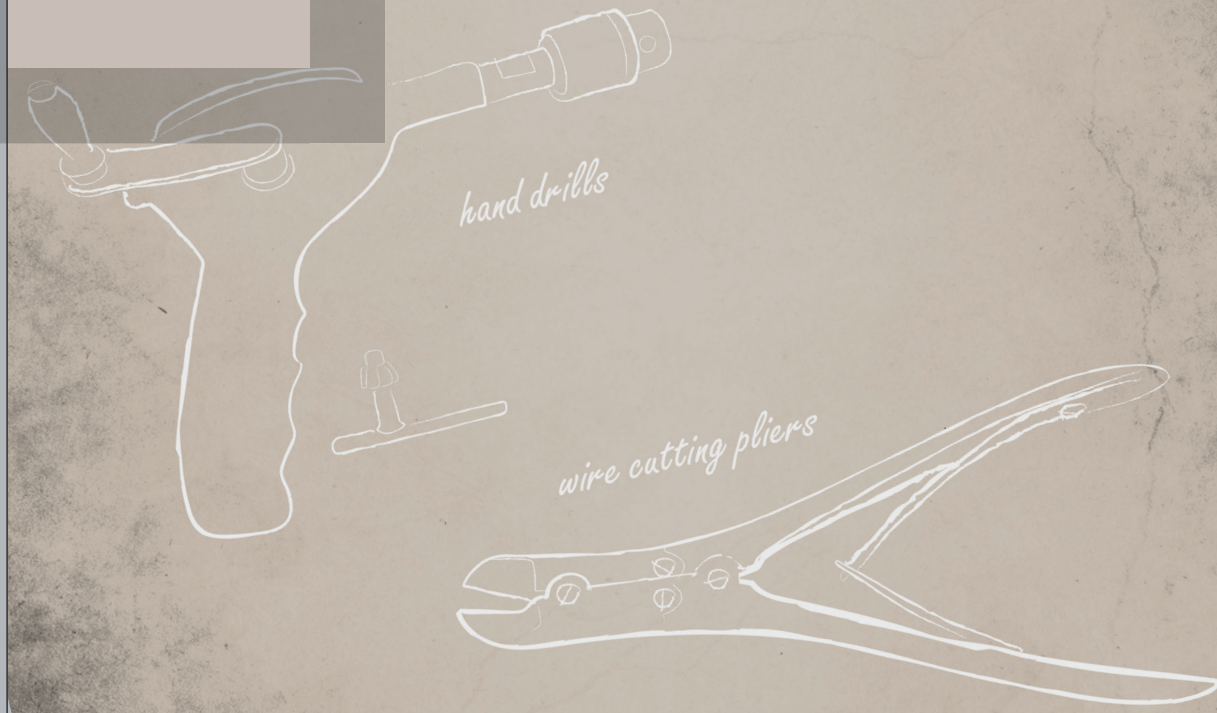


OPEN SURGERY



Raspatorien; Feilen

Periosteal Elevators; Bone Files

Elevadores; Limas para hueso

Elévateurs; Limes á os

Elevatori; Lime per ossa


193




Art.Nr. Beschreibung | Description Size Spez.


KEY



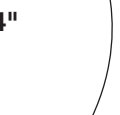
193-370-03 17,5 cm; 7"
 3,0 mm 

193-370-06 18,0 cm; 7 1/8"
 6,5 mm 

193-370-12 19,0 cm; 7 4/8"
 12,5 mm 

193-370-16 20,0 cm; 8"
 16,0 mm 

193-370-19 20,0 cm; 8"
 19,5 mm 

193-370-24 21,0 cm; 8 1/4"
 24,5 mm 

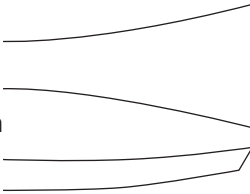
1/1

1/1

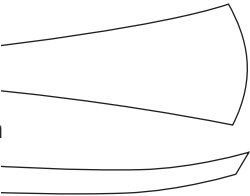
LANGENBECK

19,0 cm; 7 4/8"



193-383-19 16,0 mm 

193-387-19 12,0 mm 

193-385-19 16,0 mm 

193-389-18 12,0 mm 

1/1

1/1

193



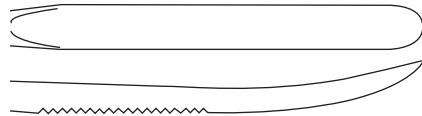
Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
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17,0 cm; 6 6/8"



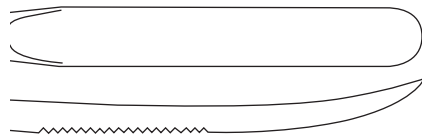
193-399-06

6,0 mm



193-399-08

8,0 mm



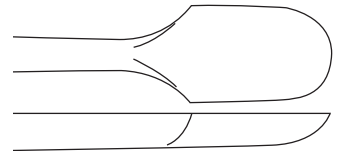
1/1

193-404-20

20,0 cm; 7 7/8"; FERROZELL



14,0 mm



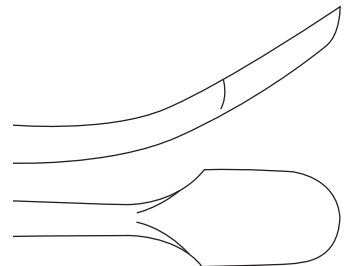
1/1

193-405-20

19,0 cm; 7 4/8"; FERROZELL



14,0 mm



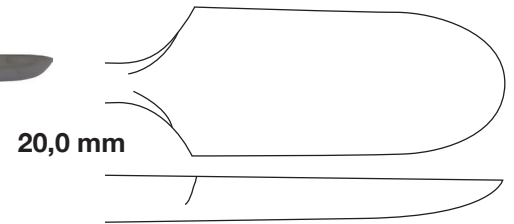
1/1



Art.Nr.	Beschreibung Description	Size	Spez.
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193-408-20

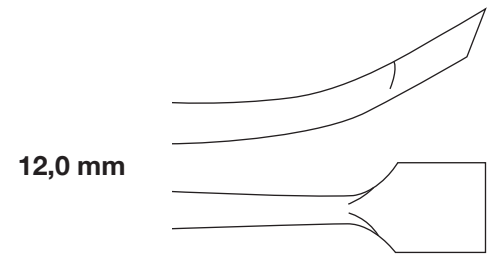
20,5 cm; 7 1/8"; FERROZELL



1/1

193-411-19

19,0 cm; 7 4/8"; FERROZELL



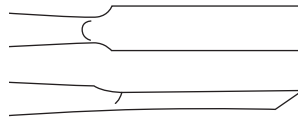
1/1

18,0 cm; 7 1/8"; FERROZELL



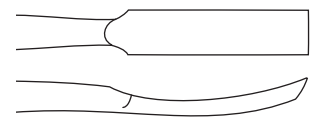
193-414-18

6,0 mm



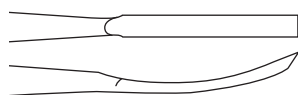
193-417-18

6,0 mm



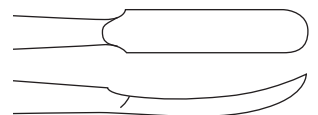
193-415-18

3,0 mm



193-419-18

6,0 mm



1/1

1/1

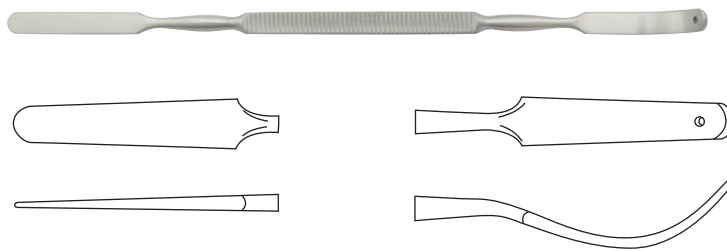


Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
193-437-21	ALDERDYCE	21,0 cm; 8 2/8"	



1/1

193-440-19	MC DONALD	18,5 cm; 7 2/8"	
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1/1

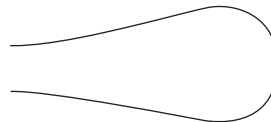
HOEN



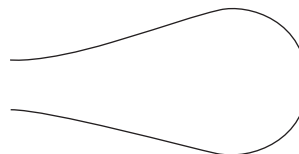
193-463-07	7,0 mm	16,0 cm; 6 2/8"	
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193-463-15	15,0 mm	19,0 cm; 7 4/8"	
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193-463-20	20,0 mm	19,0 cm; 7 4/8"	
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1/1



Art.Nr. Beschreibung | Description Size Spez.

CUSHING



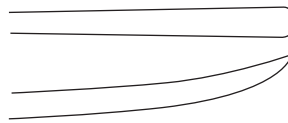
gebogen | curved | curva | courbe | curva

193-464-04 4,0 mm 17,5 cm; 7"

193-464-05 5,0 mm 17,5 cm; 7"

193-464-06 6,0 mm 19,5 cm; 7 6/8"

193-464-07 7,0 mm 19,5 cm; 7 6/8"

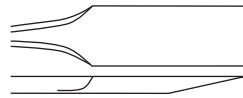


ADSON

17,0 cm; 6 6/8"



193-465-01 8,0 mm



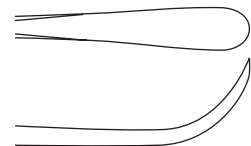
193-465-02 7,0 mm



193-465-03 7,0 mm



193-465-04 7,0 mm



1/1

1/1

193-466-08 **CUSHING**

17,0 cm; 6 6/8"



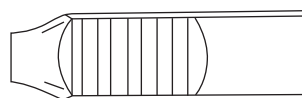
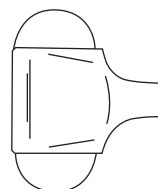
8,0 mm



1/1


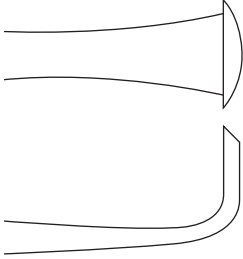

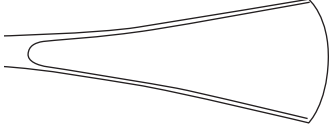
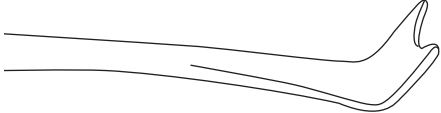
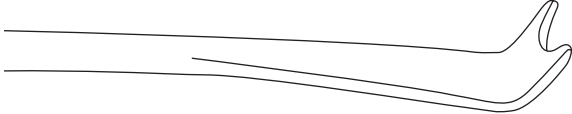
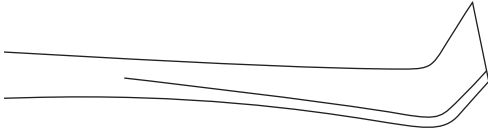
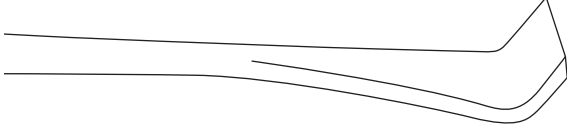

193-469-21 **ALEXANDER**

21,0 cm; 8 2/8"


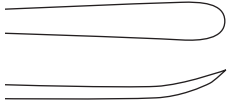

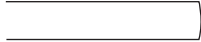
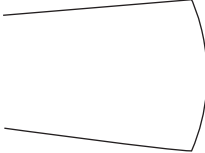

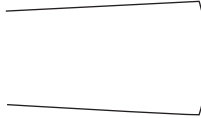
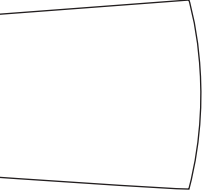
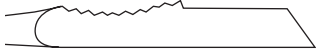



1/1









Art.Nr.	Beschreibung Description	Size	Spez.
193-471-18	LANGENBECK	18,0 cm; 7 1/8"	
		14,0 mm	
193-472-19	LANGENBECK	19,0 cm; 7 4/8"	
		16,0 mm	
SEMB			
193-473-01	Fig. 1 12,0 mm		19,0 cm; 7 4/8"
			
193-473-02	Fig. 2 12,0 mm		22,0 cm; 8 5/8"
			
193-473-03	Fig. 3 14,0 mm		19,0 cm; 7 4/8"
			
193-473-04	Fig. 4 14,0 mm		22,0 cm; 8 5/8"
			
193-473-05	Fig. 5 16,0 mm		23,0 cm; 9"
			



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
193-476-15	KÖNIG 	15,5 cm; 6 1/8" 5,0 mm	
1/1			
	LAMBOTTE	21,5 cm; 8 4/8"	
193-477-05	5,0 mm 	193-477-20 20,0 mm	
193-477-10	10,0 mm 		
193-477-15	15,0 mm 	193-477-25 25,0 mm	
1/1		1/1	
193-478-15	FARABEUF gerade straight recta droite retta	15,5 cm; 6 1/8" 12,5 mm	
1/1			
193-479-15	FARABEUF gebogen curved curva courbe curva	15,5 cm; 6 1/8" 12,5 mm	
1/1			

193



Art.Nr.	Beschreibung Description	Size	Spez.
	WILLIGER	16,0 cm; 6 4/8"	
			
193-480-04	4,0 mm		
193-480-06	6,0 mm 		
193-480-08	8,0 mm		
193-480-14	WILLIGER	13,0 cm; 5 1/8"	
		6,0 mm	
1/1			
193-488-21	SEDILLOT	22,0 cm; 8 5/8"	
		15,0 mm	
1/1			



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
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DOYEN

17,5 cm; 7"

für Erwachsene | for adults | para adultos | pour adultes | per adulti



193-481-17



rechts gebogen | **curved right**
 curva a la derecha | courbé à droite
 curvo destro

1/1

193-483-17



links gebogen | **curved left**
 curva a la izquierda | courbé à gauche
 curvo sinistro

1/1

DOYEN

17,5 cm; 7"

für Kinder | for children | para niños | pour enfants | per bambini



193-485-17



rechts gebogen | **curved right**
 curva a la derecha | courbé à droite
 curvo destro

1/1

193-487-17



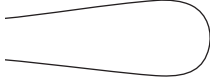
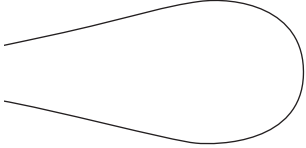
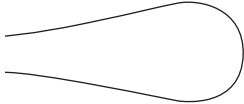
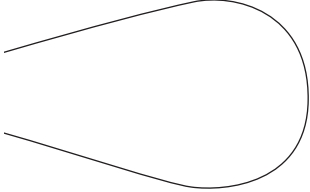
links gebogen | **curved left**
 curva a la izquierda | courbé à gauche
 curvo sinistro

1/1



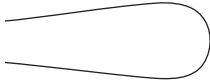
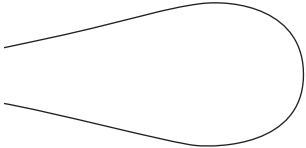
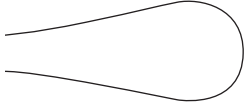
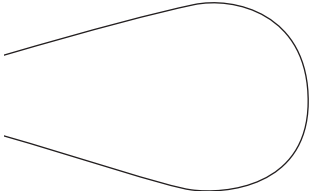
Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
	COBB	28,0 cm; 11"	



193-493-10	10,0 mm		193-493-19	19,0 mm	
193-493-13	13,0 mm		193-493-25	25,0 mm	
1/1			1/1		

	COBB	25,0 cm; 9 7/8"; FERROZELL
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193-495-10	10,0 mm		193-495-19	19,0 mm	
193-495-13	13,0 mm		193-495-25	25,0 mm	
1/1			1/1		



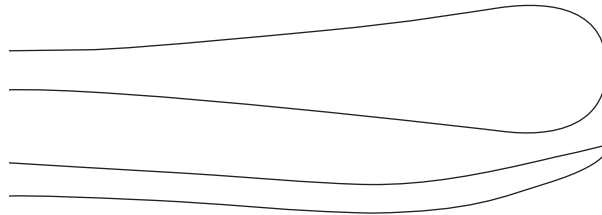
Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
	WAGNER	33,0 cm; 13"; FERROZELL	



193-497-08 8,0 mm



193-497-17 17,0 mm

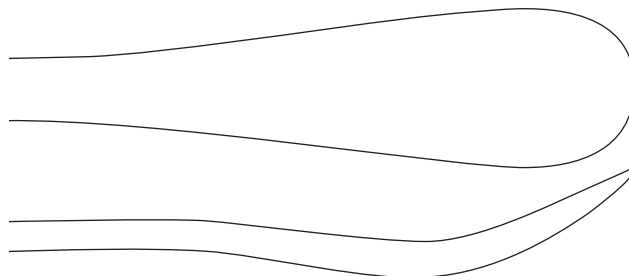


1/1

27,5 cm; 10 7/8"; FERROZELL



193-499-27 20,0 mm



1/1

193

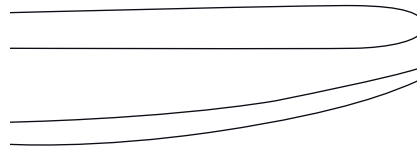


Art.Nr.	Beschreibung Description	Size	Spez.
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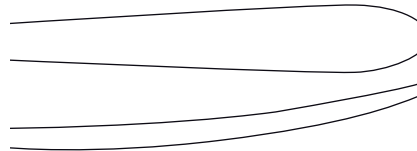
WILLIGER



193-512-16	4,0 mm 16,0 cm; 6 2/8"		
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193-512-17	7,0 mm 17,0 cm; 6 6/8"		
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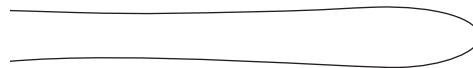
1/1

LANGENBECK

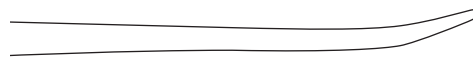
19,5 cm; 7 5/8"



193-520-08	8,0 mm		
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193-520-10	10,0 mm		
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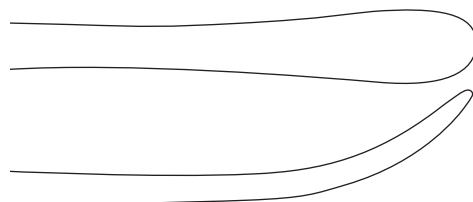


193-521-23	LANGENBECK		
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23,0 cm; 9"



	11,0 mm		
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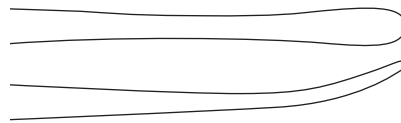
1/1



Art.Nr.	Beschreibung <i>Description</i>	Size	Spez.
193-523-17	SEBILEAU	17,0 cm; 6 6/8"	



5,0 mm

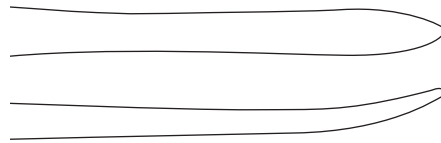


1/1

193-525-19	QUERVAIN	20,0 cm; 8"	
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6,0 mm



1/1

LANGENBECK



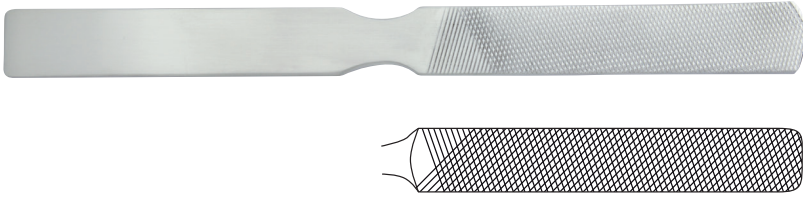
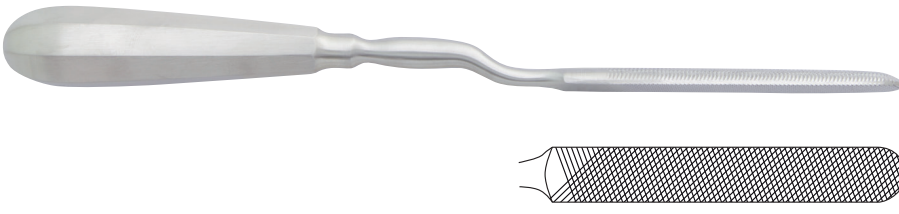
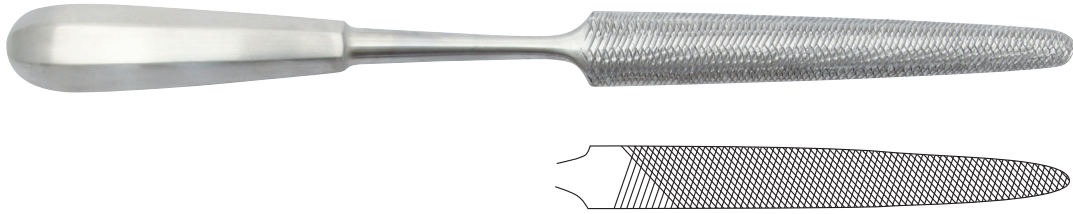


193-526-05	5,0 mm	17,0 cm; 6 6/8"	
193-526-07	7,0 mm	17,0 cm; 6 6/8"	
193-526-08	8,0 mm	19,5 cm; 7 5/8"	
193-526-10	10,0 mm	19,5 cm; 7 5/8"	



Knochenfeilen
Bone Files

Limas para huesos
Limes à os
Lime per ossa



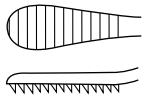
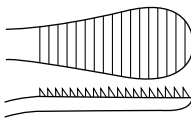
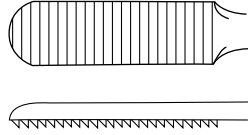
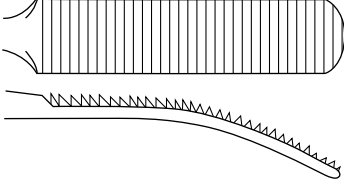
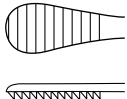
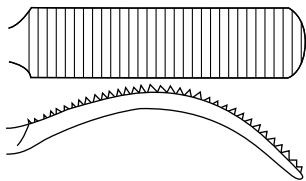
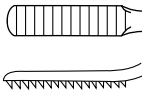
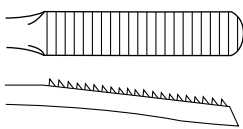
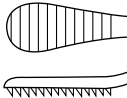
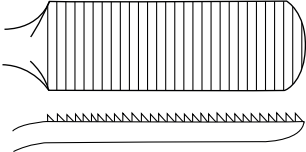
Art.Nr.	Beschreibung Description	Size	Spez.
193-610-22		22,0 cm; 8 5/8"	
1/1			
193-611-24		25,0 cm; 9 7/8"	
1/1			
193-612-28		28,0 cm; 11"	
1/1			
193-625-27	PUTTI	27,0 cm; 10 7/8"	
			
193-625-30	PUTTI	30,0 cm; 11 6/8"	
			



Art.Nr.	Beschreibung Description	Size	Spez.
	MILLER-COLBURN	18,0 cm; 7 1/8"	

auf Zug schneidend | downwards cutting
 corte abajo | tranchante en bas | tagliente in basso



193-620-01		Fig. 1	
193-620-02		Fig. 2	
193-620-03		Fig. 3	
193-620-04		Fig. 4	
193-620-05		Fig. 5	

1/1

1/1

193

Knochenfeilen; Stößel
Bone Files; Tampers

Limas para huesos; Punzones metálicos
 Limes à os; Pousoirs métalliques
 Lime per ossa; Punzone metallici



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

MILLER-COLBURN

18,0 cm; 7 1/8"

kreuzhieb | cross cut
 picado en cruz | taille croisée | tagliente a croce



193-621-01

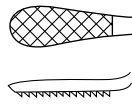
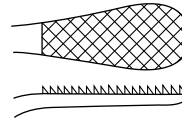


Fig. 1



193-621-02

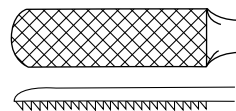
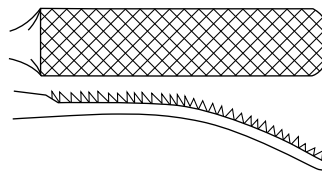


Fig. 2



193-621-03

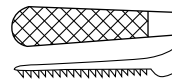
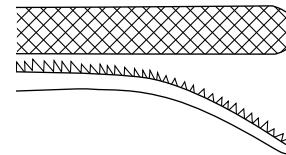


Fig. 3



193-621-04

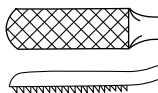
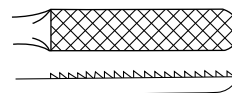


Fig. 4



1/1

1/1

15,5 cm; 6 1/8"



193-640-02

Ø 2,0 mm



193-640-06

Ø 6,0 mm



193-640-03

Ø 3,0 mm



193-640-08

Ø 8,0 mm



193-640-04

Ø 4,0 mm



193-640-10

Ø 10,0 mm



193-640-05

Ø 5,0 mm



