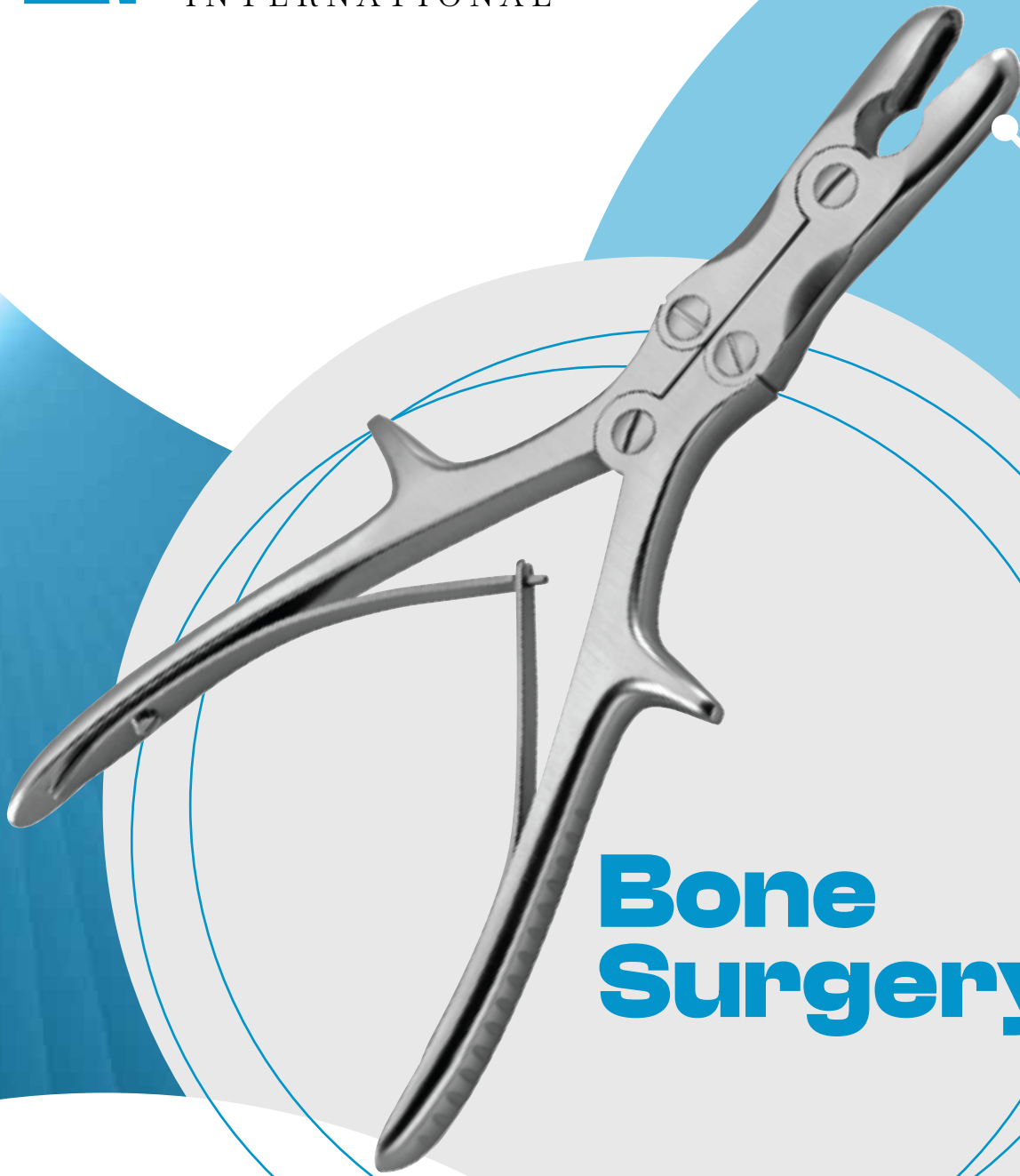




**ZIMAIZ**  
INTERNATIONAL



# Bone Surgery

SURGICAL  
INSTRUMENTS  
CATALOGUE





# Knochenchirurgie Bone Surgery

Meißel und Osteotome	<i>Chisels and Osteotomes</i>	BS 1 - 8
Scharfe Löffel	<i>Bone Curettes</i>	BS 9 - 15
Knochenraspel	<i>Bone Rasps</i>	BS 16
Rasparatorien	<i>Raspatories</i>	BS 17 - 24
Rasparatorien und Elevatorien	<i>Raspatories and Elevators</i>	BS 25
Elevatorien	<i>Elevators</i>	BS 26 - 27
Knochenhebel	<i>Bone Levers</i>	BS 28 - 31
Knochenhaken	<i>Bone Retractors</i>	BS 32 - 34
Spinalhaken, Meniskusmesser	<i>Spinal Retractors, Meniscus Knives</i>	BS 35
Knochenhaltezangen	<i>Bone Holding Forceps</i>	BS 36 - 44
Hohlmeißelzangen	<i>Bone Rongeurs</i>	BS 45 - 56
Knochensplitterzangen	<i>Bone Cutting Forceps</i>	BS 57 - 59
Instrumente für Fingernägel	<i>Nail Instruments</i>	BS 60
Sägen und Sägeblätter	<i>Saws and Saw Blades</i>	BS 61 - 62
Bohrapparate	<i>Hand Drills</i>	BS 63 - 65
Reibahlen	<i>Reamers</i>	BS 66
Bohrdrähte, Steinmann-Nägel	<i>Drill Wires, Steinmann Pins</i>	BS 67 - 69
Drahtspannzangen	<i>Wire Twisting Forceps</i>	BS 70 - 71
Drahtfasszangen	<i>Wire Holding Forceps</i>	BS 72
Flachzangen	<i>Flat Nose Pliers</i>	BS 73
Drahtschneidezangen	<i>Wire Cutting Pliers</i>	BS 74 - 76
Extensionsbügel	<i>Extension Bows</i>	BS 77
Cerclage-Instrumente	<i>Cerclage Instruments</i>	BS 78
Hämmer	<i>Mallets</i>	BS 79 - 84
Sehneninstrumente, Bleihand	<i>Tendon Instruments, Lead hand</i>	BS 85 - 87

# Meißel und Osteotome Chisels and Osteotomes



Griff  
Handle

**ZA 5301-00**



5 mm

**ZA 5301-05**



10 mm

**ZA 5301-10**



16 mm

**ZA 5301-16**



25 mm

**ZA 5301-25**



Schlüssel  
Wrench

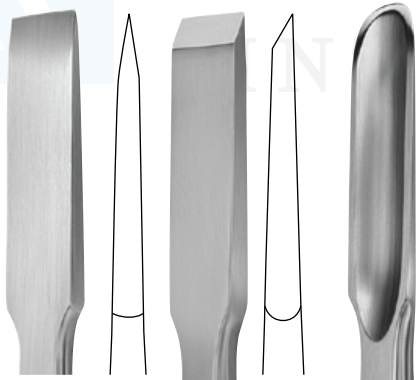
**ZA 5301-06**

Satz Meißel komplett, bestehend aus:  
Chisel set complete, consisting of:

**ZA 5301-50**

- 1 Griff (ZA 5301-00)
- 1 Handle (ZA 5301-00)
- 1 Meißelklinge, 10 mm (ZA 5301-10)
- 1 Chisel blade, 10 mm (ZA 5301-10)
- 1 Meißelklinge, 16 mm (ZA 5301-16)
- 1 Chisel blade, 16 mm (ZA 5301-16)
- 1 Meißelklinge, 25 mm (ZA 5301-25)
- 1 Chisel blade, 25 mm (ZA 5301-25)
- 1 Schlüssel (ZA 5301-06)
- 1 Wrench (ZA 5301-06)

Meißelklinge, 5 mm (ZA 5301-05) optional  
Chisel blade, 5 mm (ZA 5301-05) optional



gerade  
straight

gerade  
straight

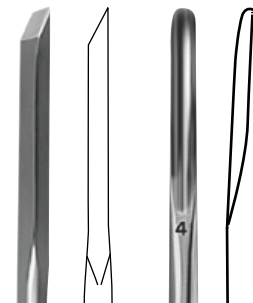
gerade  
straight



	Osteotome Osteotomes	Flachmeißel Chisels	Hohlmeißel Gouges
	13,5 cm – 5 1/4"		
4 mm	<b>ZA 5300-04</b>	<b>ZA 5302-04</b>	<b>ZA 5304-04</b>
6 mm	<b>ZA 5300-06</b>	<b>ZA 5302-06</b>	<b>ZA 5304-06</b>
8 mm	<b>ZA 5300-08</b>	<b>ZA 5302-08</b>	<b>ZA 5304-08</b>
10 mm	<b>ZA 5300-10</b>	<b>ZA 5302-10</b>	<b>ZA 5304-10</b>
12 mm	<b>ZA 5300-12</b>	<b>ZA 5302-12</b>	<b>ZA 5304-12</b>
14 mm	<b>ZA 5300-14</b>	<b>ZA 5302-14</b>	<b>ZA 5304-14</b>
16 mm	<b>ZA 5300-16</b>	<b>ZA 5302-16</b>	<b>ZA 5304-16</b>



LUCAS



gerade  
straight

gerade  
straight

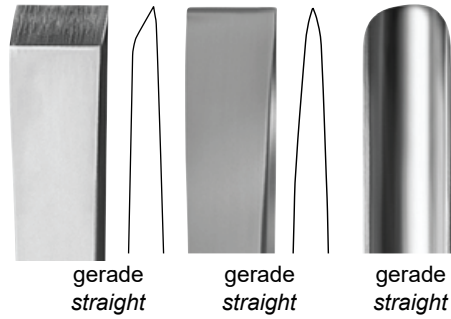
	Flachmeißel Chisels	Hohlmeißel Gouges
	16 cm – 6 1/4"	
4 mm	<b>ZA 5305-34</b>	<b>ZA 5305-44</b>
6 mm	<b>ZA 5305-36</b>	<b>ZA 5305-46</b>



# Meißel und Osteotome Chisels and Osteotomes



MODELL USA  
USA PATTERN

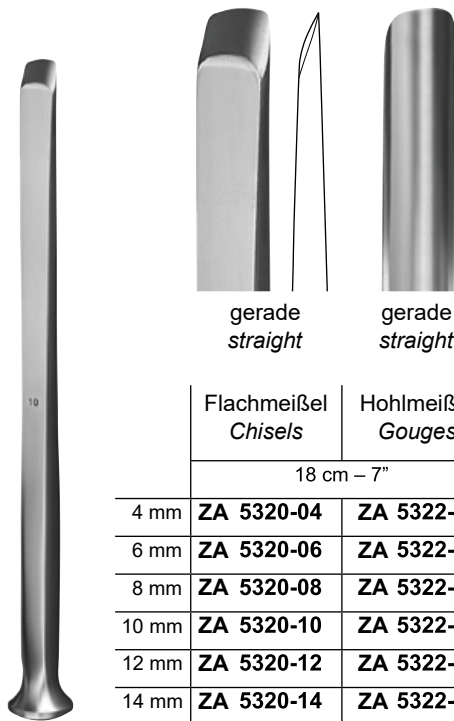


	Flachmeißel Chisels	Osteotome Osteotomes	Hohlmeißel Gouges
	16 cm – 6¼"		
6 mm	ZA 5311-01	ZA 5311-11	ZA 5311-21
12 mm	ZA 5311-02	ZA 5311-12	ZA 5311-22
18 mm	ZA 5311-03	ZA 5311-13	ZA 5311-23



Stößel  
Pestles

	3 mm	5 mm
	16 cm – 6¼"	
	ZA 5317-03	ZA 5317-05
	7 mm	9 mm
	16 cm – 6¼"	
	ZA 5317-07	ZA 5317-09



ALEXANDER

	Flachmeißel Chisels	Hohlmeißel Gouges
	18 cm – 7"	
4 mm	ZA 5320-04	ZA 5322-04
6 mm	ZA 5320-06	ZA 5322-06
8 mm	ZA 5320-08	ZA 5322-08
10 mm	ZA 5320-10	ZA 5322-10
12 mm	ZA 5320-12	ZA 5322-12
14 mm	ZA 5320-14	ZA 5322-14



	Osteotome Osteotomes	Osteotome Osteotomes
	14 cm – 5½"	
2 mm	ZA 5321-01	ZA 5321-11
3 mm	ZA 5321-02	ZA 5321-12
4 mm	ZA 5321-03	ZA 5321-13
5 mm	ZA 5321-04	ZA 5321-14
6 mm	ZA 5321-05	ZA 5321-15
7 mm	ZA 5321-06	ZA 5321-16
8 mm	ZA 5321-07	ZA 5321-17

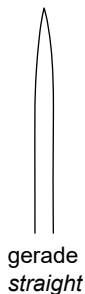


HOKE

# Meißel und Osteotome Chisels and Osteotomes



Osteotome mit  
Markierung  
Osteotomes with  
depth marking



gerade  
straight

18 cm – 7"

2 mm	<b>ZA 8253-02</b>
4 mm	<b>ZA 8253-04</b>
6 mm	<b>ZA 8253-06</b>
7 mm	<b>ZA 8253-07</b>
9 mm	<b>ZA 8253-09</b>
12 mm	<b>ZA 8253-12</b>

**COTTLE**



Flachmeißel mit  
Markierung  
Chisels with  
depth marking



gerade  
straight

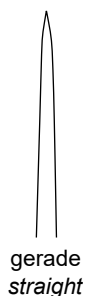
18 cm – 7"

4 mm	<b>ZA 8258-04</b>
6 mm	<b>ZA 8258-06</b>
7 mm	<b>ZA 8258-07</b>
9 mm	<b>ZA 8258-09</b>
12 mm	<b>ZA 8258-12</b>

**COTTLE**



**SMITH-PETERSEN**



gerade  
straight



gebogen  
curved



gerade  
straight



gebogen  
curved

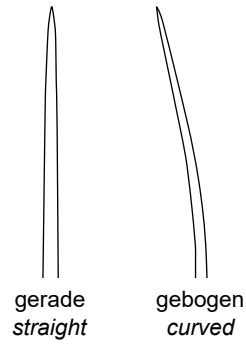
	Osteotome Osteotomes		Hohlmeißel Gouges	
	20,5 cm – 8"			
6 mm	<b>ZA 5323-06</b>	<b>ZA 5325-06</b>	<b>ZA 5327-06</b>	<b>ZA 5329-06</b>
9 mm	<b>ZA 5323-09</b>	<b>ZA 5325-09</b>	<b>ZA 5327-09</b>	<b>ZA 5329-09</b>
13 mm	<b>ZA 5323-13</b>	<b>ZA 5325-13</b>	<b>ZA 5327-13</b>	<b>ZA 5329-13</b>
16 mm	<b>ZA 5323-16</b>	<b>ZA 5325-16</b>	<b>ZA 5327-16</b>	<b>ZA 5329-16</b>
19 mm	<b>ZA 5323-19</b>	<b>ZA 5325-19</b>	<b>ZA 5327-19</b>	<b>ZA 5329-19</b>
25 mm	<b>ZA 5323-25</b>	<b>ZA 5325-25</b>	<b>ZA 5327-25</b>	<b>ZA 5329-25</b>
32 mm	<b>ZA 5323-32</b>	<b>ZA 5325-32</b>	<b>ZA 5327-32</b>	<b>ZA 5329-32</b>



# Meißel und Osteotome Chisels and Osteotomes



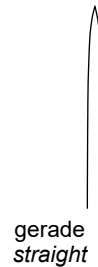
LAMBOTTE



Osteotome Osteotomes		
24,5 cm – 9 <sup>3</sup> / <sub>4</sub> "		
4 mm	<b>ZA 5330-04</b>	<b>ZA 5331-04</b>
6 mm	<b>ZA 5330-06</b>	<b>ZA 5331-06</b>
8 mm	<b>ZA 5330-08</b>	<b>ZA 5331-08</b>
10 mm	<b>ZA 5330-10</b>	<b>ZA 5331-10</b>
13 mm	<b>ZA 5330-13</b>	<b>ZA 5331-13</b>
16 mm	<b>ZA 5330-16</b>	<b>ZA 5331-16</b>
18 mm	<b>ZA 5330-18</b>	<b>ZA 5331-18</b>
20 mm	<b>ZA 5330-20</b>	<b>ZA 5331-20</b>
25 mm	<b>ZA 5330-25</b>	<b>ZA 5331-25</b>
30 mm	<b>ZA 5330-30</b>	<b>ZA 5331-30</b>
38 mm	<b>ZA 5330-38</b>	<b>ZA 5331-38</b>
44 mm	<b>ZA 5330-44</b>	<b>ZA 5331-44</b>
50 mm	<b>ZA 5330-50</b>	<b>ZA 5331-50</b>



MINI-LAMBOTTE



Osteotome Osteotomes		
12,5 cm – 5" – 6 <sup>3</sup> / <sub>4</sub> "		17 cm
2 mm	<b>ZA 5332-02</b>	<b>ZA 5333-02</b>
3 mm	<b>ZA 5332-03</b>	<b>ZA 5333-03</b>
4 mm	<b>ZA 5332-04</b>	<b>ZA 5333-04</b>
6 mm	<b>ZA 5332-06</b>	<b>ZA 5333-06</b>
8 mm	<b>ZA 5332-08</b>	<b>ZA 5333-08</b>
10 mm	<b>ZA 5332-10</b>	<b>ZA 5333-10</b>
12 mm	<b>ZA 5332-12</b>	<b>ZA 5333-12</b>
15 mm	<b>ZA 5332-15</b>	<b>ZA 5333-15</b>

# Meißel und Osteotome Chisels and Osteotomes



## Instrumente mit **Propylux** Griffen

Ein hochstabiles Thermoplast mit wesentlich besseren Eigenschaften als das oft verwendete Ferrozell:

Exzellente Resistenz gegen Säuren und Laugen, daher hygienisch unbedenklicher als Ferrozell Hohe Formstabilität auch nach Hunderten von

Steri-Zyklen

Hohe Festigkeit auch bei extremer Beanspruchung

Hohe Farbbeständigkeit

Enorme Reduzierung von Reparaturen

Zugelassen bei der FDA

Geeignet für alle Sterilisationsverfahren

## Instruments with **Propylux** Handles

A highly resistant thermoplastic having much better characteristics than the often used Ferrozell:

Excellent resistance against acids and leaches, therefore much safer than Ferrozell from the hygiene point of view

High form stability even after hundreds of sterilisation cycles


High solidity even when exposed to extreme loads


Highly colour-fast

Tremendously reduced need of repair

FDA approved

Suitable for all sterilisation procedures






**LEXER**


gerade  
straight

	Osteotome Osteotomes	Hohlmeißel Gouges
22 cm – 8¾"		
5 mm	<b>ZA 5336-05X</b>	<b>ZA 5338-05X</b>
7 mm	<b>ZA 5336-07X</b>	<b>ZA 5338-07X</b>
10 mm	<b>ZA 5336-10X</b>	<b>ZA 5338-10X</b>
15 mm	<b>ZA 5336-15X</b>	<b>ZA 5338-15X</b>
20 mm	<b>ZA 5336-20X</b>	<b>ZA 5338-20X</b>
25 mm	<b>ZA 5336-25X</b>	<b>ZA 5338-25X</b>
30 mm	<b>ZA 5336-30X</b>	<b>ZA 5338-30X</b>
40 mm	<b>ZA 5336-40X</b>	<b>ZA 5338-40X</b>



**LEXER**


gerade  
straight



**MINI-LEXER**

gerade  
straight

	Osteotome Osteotomes	Hohlmeißel Gouges
18 cm – 7"		
4 mm	<b>ZA 5334-04X</b>	<b>ZA 5335-04X</b>
6 mm	<b>ZA 5334-06X</b>	<b>ZA 5335-06X</b>
8 mm	<b>ZA 5334-08X</b>	<b>ZA 5335-08X</b>
10 mm	<b>ZA 5334-10X</b>	<b>ZA 5335-10X</b>
12 mm	<b>ZA 5334-12X</b>	<b>ZA 5335-12X</b>



**MINI-LEXER**

gerade  
straight

**LEXER**



# Meißel und Osteotome Chisels and Osteotomes



STILLE



gerade  
straight



gerade  
straight



gebogen  
curved



gerade  
straight



gebogen  
curved

	Flachmeißel Chisels	Osteotome Osteotomes		Hohlmeißel Gouges	
	20 cm – 8"				
6 mm	ZA 5340-06	ZA 5341-06	ZA 5341-56	ZA 5342-06	ZA 5342-56
8 mm	ZA 5340-08	ZA 5341-08	ZA 5341-58	ZA 5342-08	ZA 5342-58
10 mm	ZA 5340-10	ZA 5341-10	ZA 5341-60	ZA 5342-10	ZA 5342-60
12 mm	ZA 5340-12	ZA 5341-12	ZA 5341-62	ZA 5342-12	ZA 5342-62
15 mm	ZA 5340-15	ZA 5341-15	ZA 5341-65	ZA 5342-15	ZA 5342-65
20 mm	ZA 5340-20	ZA 5341-20	ZA 5341-70	ZA 5342-20	ZA 5342-70
25 mm	ZA 5340-25	ZA 5341-25	ZA 5341-75	ZA 5342-25	ZA 5342-75
30 mm	ZA 5340-30	ZA 5341-30	ZA 5341-80	ZA 5342-30	ZA 5342-80



HIBBS 1:3



gerade  
straight



gebogen  
curved



gerade  
straight



gebogen  
curved



gerade  
straight



gebogen  
curved

	Osteotome Osteotomes		Flachmeißel Chisels		Hohlmeißel Gouges	
	24 cm – 9½"		24 cm – 9½"		24 cm – 9½"	
6 mm	ZA 5344-06	ZA 5344-56	ZA 5345-06	ZA 5345-56	ZA 5346-06	ZA 5346-56
9 mm	ZA 5344-09	ZA 5344-59	ZA 5345-09	ZA 5345-59	ZA 5346-09	ZA 5346-59
13 mm	ZA 5344-13	ZA 5344-63	ZA 5345-13	ZA 5345-63	ZA 5346-13	ZA 5346-63
16 mm	ZA 5344-16	ZA 5344-66	ZA 5345-16	ZA 5345-66	ZA 5346-16	ZA 5346-66
19 mm	ZA 5344-19	ZA 5344-69	ZA 5345-19	ZA 5345-69	ZA 5346-19	ZA 5346-69
22 mm	ZA 5344-22	ZA 5344-72	ZA 5345-22	ZA 5345-72	ZA 5346-22	ZA 5346-72
25 mm	ZA 5344-25	ZA 5344-75	ZA 5345-25	ZA 5345-75	ZA 5346-25	ZA 5346-75
28 mm	ZA 5344-28	ZA 5344-78	ZA 5345-28	ZA 5345-78	ZA 5346-28	ZA 5346-78
32 mm	ZA 5344-32	ZA 5344-82	ZA 5345-32	ZA 5345-82	ZA 5346-32	ZA 5346-82
38 mm	ZA 5344-38	ZA 5344-88	ZA 5345-38	ZA 5345-88	ZA 5346-38	ZA 5346-88

# Meißel und Osteotome Chisels and Osteotomes



## Instrumente mit **Propylux** Griffen

Ein hochstabiles Thermoplast mit wesentlich besseren Eigenschaften als das oft verwendete Ferrozell:

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FDA approved

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# Meißel und Osteotome Chisels and Osteotomes



8 mm

COBB



Hohlmeißel  
Gouges  
27,5 cm – 10¾"

ZA 5349-01

ZA 5349-02

ZA 5349-03

ZA 5349-04

# Scharfe Löffel Bone Curettes



Fig. 0000 – 2,5 mm

○ ZA 5350-40

Fig. 000 – 3,6 mm

○ ZA 5350-30

Fig. 00 – 4,4 mm

○ ZA 5350-20

Fig. 0 – 5,2 mm

○ ZA 5350-10

Fig. 1 – 6,8 mm

○ ZA 5350-01

Fig. 2 – 8,5 mm

○ ZA 5350-02

Fig. 3 – 10 mm

○ ZA 5350-03

Fig. 4 – 11,5 mm

○ ZA 5350-04

Fig. 5 – 13 mm

○ ZA 5350-05

Fig. 6 – 14,5 mm

○ ZA 5350-06



Fig. 000 – 3,3 mm

○ ZA 5351-08 | ZA 5351-58 | ZA 5351-78

Fig. 00 – 3,9 mm

○ ZA 5351-09 | ZA 5351-59 | ZA 5351-79

Fig. 0 – 4,7 mm

○ ZA 5351-10 | ZA 5351-60 | ZA 5351-80

Fig. 1 – 5,3 mm

○ ZA 5351-11 | ZA 5351-61 | ZA 5351-81

Fig. 2 – 6 mm

○ ZA 5351-12 | ZA 5351-62 | ZA 5351-82

Fig. 3 – 7,2 mm

○ ZA 5351-13 | ZA 5351-63 | ZA 5351-83

Fig. 4 – 8,2 mm

○ ZA 5351-14 | ZA 5351-64 | ZA 5351-84

Fig. 5 – 9,8 mm

○ ZA 5351-15 | ZA 5351-65 | ZA 5351-85

Fig. 6 – 12 mm

○ ZA 5351-16 | ZA 5351-66 | ZA 5351-86



**VOLKMANN**

17 cm – 6¾"



**BRUNS**

23 cm – 9"



# Scharfe Löffel Bone Curettes



Fig. 000 – 3,3 mm  
○ **ZA 5352-30**

Fig. 00 – 4,8 mm  
○ **ZA 5352-20**

Fig. 0 – 5,8 mm  
○ **ZA 5352-10**

Fig. 1 – 7,3 mm  
○ **ZA 5352-01**

Fig. 2 – 8,3 mm  
○ **ZA 5352-02**

Fig. 3 – 10,2 mm  
○ **ZA 5352-03**

Fig. 4 – 11,8 mm  
○ **ZA 5352-04**

Fig. 5 – 12,8 mm  
○ **ZA 5352-05**

Fig. 6 – 14 mm  
○ **ZA 5352-06**



**BRUNS**  
17 cm – 6¾"



Fig. 0000 – 2,5 mm  
○ **ZA 5353-40**

Fig. 000 – 2,8 mm  
○ **ZA 5353-30**

Fig. 00 – 3,3 mm  
○ **ZA 5353-20**

Fig. 0 – 3,7 mm  
○ **ZA 5353-10**

Fig. 1 – 4,3 mm  
○ **ZA 5353-01**

Fig. 2 – 4,8 mm  
○ **ZA 5353-02**

Fig. 3 – 5,6 mm  
○ **ZA 5353-03**

Fig. 4 – 6,1 mm  
○ **ZA 5353-04**

Fig. 5 – 6,7 mm  
○ **ZA 5353-05**

Fig. 6 – 8,8 mm  
○ **ZA 5353-06**



**SPRATT**  
17 cm – 6¾"

ZIMAIZ INTERNATIONAL



2 mm  
17 cm – 6¾"  
**ZA 5354-22**



2 mm  
17 cm – 6¾"  
**ZA 5354-42**



3 mm  
17 cm – 6¾"  
**ZA 5354-23**



3 mm  
17 cm – 6¾"  
**ZA 5354-43**



4 mm  
17 cm – 6¾"  
**ZA 5354-24**



4 mm  
17 cm – 6¾"  
**ZA 5354-44**



5 mm  
19,5 cm – 7¾"  
**ZA 5354-25**



5 mm  
19,5 cm – 7¾"  
**ZA 5354-45**



Fig. 000 – 3 mm  
**ZA 5355-30**



6 mm  
19,5 cm – 7¾"  
**ZA 5354-26**



6 mm  
19,5 cm – 7¾"  
**ZA 5354-46**



Fig. 00 – 4 mm  
**ZA 5355-20**



7 mm  
19,5 cm – 7¾"  
**ZA 5354-27**



7 mm  
19,5 cm – 7¾"  
**ZA 5354-47**



Fig. 0 – 5 mm  
**ZA 5355-10**



schwedisches  
Modell  
*swedish  
pattern*

8 mm  
20 cm – 8"  
**ZA 5354-28**



8 mm  
20 cm – 8"  
**ZA 5354-48**



Fig. 1 – 6 mm  
**ZA 5355-01**



10 mm  
20,5 cm – 8"  
**ZA 5354-30**



10 mm  
21 cm – 8¼"  
**ZA 5354-50**



Fig. 2 – 7 mm  
**ZA 5355-02**



12 mm  
20,5 cm – 8"  
**ZA 5354-32**



12 mm  
21,5 cm – 8½"  
**ZA 5354-52**

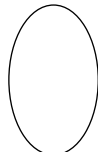
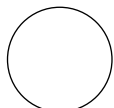


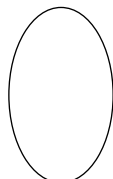
Fig. 3 – 8 mm  
**ZA 5355-03**



14 mm  
20,5 cm – 8"  
**ZA 5354-34**



14 mm  
22 cm – 8¾"  
**ZA 5354-54**



**SCHEDE**  
17 cm – 6¾"



Fig. 4 – 9 mm  
**ZA 5355-04**





# Scharfe Löffel Bone Curettes

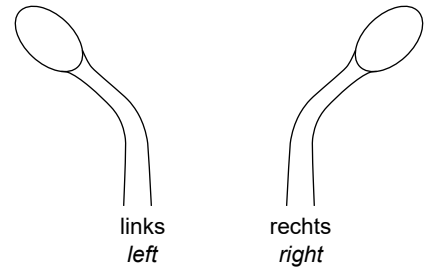


○ Fig. 00 – 2,5 mm  
**ZA 5356-20**

○ Fig. 0 – 3,2 mm  
**ZA 5356-10**

○ Fig. 1 – 4 mm  
**ZA 5356-01**

○ Fig. 2 – 5,7 mm  
**ZA 5356-02**



17 cm – 6¾"  
**ZA 5357-01** | **ZA 5357-02**

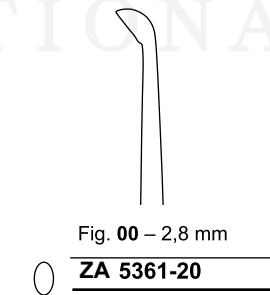


○ Fig. 0 – 4,4 mm  
**ZA 5358-10**

○ Fig. 1 – 6,8 mm  
**ZA 5358-01**

○ Fig. 2 – 8,5 mm  
**ZA 5358-02**

○ Fig. 3 – 10 mm  
**ZA 5358-03**



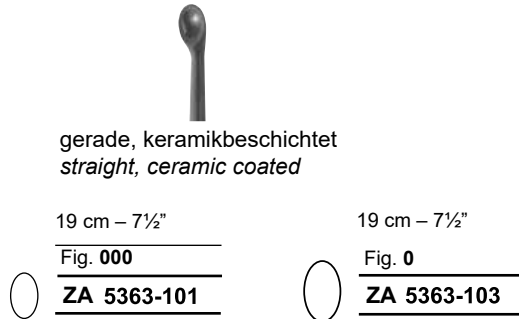
○ Fig. 0 – 3,6 mm  
**ZA 5361-10**

○ Fig. 1 – 4,4 mm  
**ZA 5361-01**

○ Fig. 2 – 5,2 mm  
**ZA 5361-02**



19 cm – 7½"



gerade, keramikbeschichtet  
*straight, ceramic coated*

19 cm – 7½"

Fig. 000

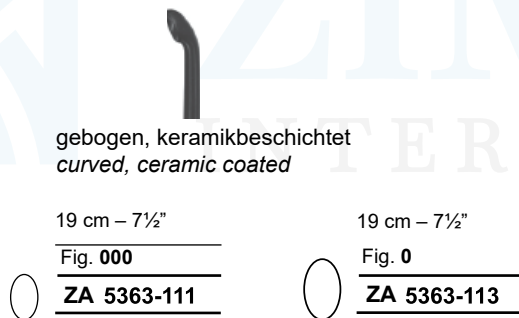
**ZA 5363-101**



19 cm – 7½"

Fig. 0

**ZA 5363-103**



gebogen, keramikbeschichtet  
*curved, ceramic coated*

19 cm – 7½"

Fig. 000

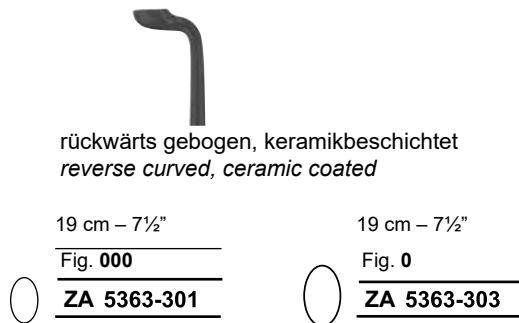
**ZA 5363-111**



19 cm – 7½"

Fig. 0

**ZA 5363-113**



rückwärts gebogen, keramikbeschichtet  
*reverse curved, ceramic coated*

19 cm – 7½"

Fig. 000

**ZA 5363-301**



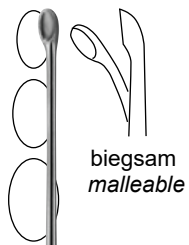
19 cm – 7½"

Fig. 0

**ZA 5363-303**



# Scharfe Löffel Bone Curettes



**HALLE**  
21 cm – 8¼"



Fig. 1 – 4,8 mm  
**ZA 5362-01**

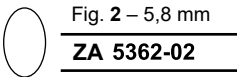


Fig. 2 – 5,8 mm  
**ZA 5362-02**

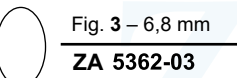


Fig. 3 – 6,8 mm  
**ZA 5362-03**



Fig. 000 – 3,6 mm  
25 cm – 10"

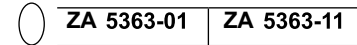


Fig. 00 – 4,4 mm  
25 cm – 10"  
**ZA 5363-01** | **ZA 5363-11**

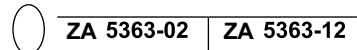


Fig. 0 – 5,2 mm  
25 cm – 10"  
**ZA 5363-02** | **ZA 5363-12**

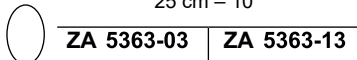


Fig. 1 – 6 mm  
25 cm – 10"  
**ZA 5363-03** | **ZA 5363-13**



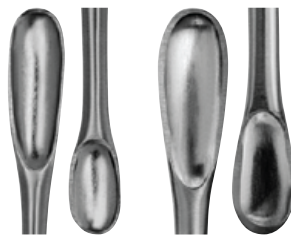
Fig. 1 – 6 mm  
25 cm – 10"  
**ZA 5363-04** | **ZA 5363-14**



**VOLKMANN**



13 cm – 5" | 14,5 cm – 5¾"  
**ZA 5364-13** | **ZA 5364-14**



17 cm – 6¾" | 20 cm – 8"  
**ZA 5364-17** | **ZA 5364-20**



**VOLKMANN**



13 cm – 5" | **ZA 5365-13**  
16 cm – 6¼" | **ZA 5365-16**  
20 cm – 8" | **ZA 5365-20**

# Scharfe Löffel Bone Currettes



Ø 3,1 / 2,6 mm

**ZA 5366-00**



Ø 3 / 2,5 mm

**ZA 5368-00**



Ø 4,2 / 3,1 mm

**ZA 5366-01**



Ø 3,5 / 3 mm

**ZA 5368-01**



ZA

Ø 4,8 / 4,2 mm

**ZA 5366-12**



Ø 4,2 / 3,5 mm

**ZA 5368-12**



Ø 4 / 3,5 mm

**ZA 5369-13**

**MARTINI**

13,5 cm – 5¼"

**WILLIGER**

13,5 cm – 5¼"

**JACOBSON**

13 cm – 5"

ZIMAIZ  
INTERNATIONAL



Ø 4,5 / 3,5 mm

**ZA 7921-15**



Ø 6,5 / 6,2 mm

**ZA 5370-21**

**JANSEN**

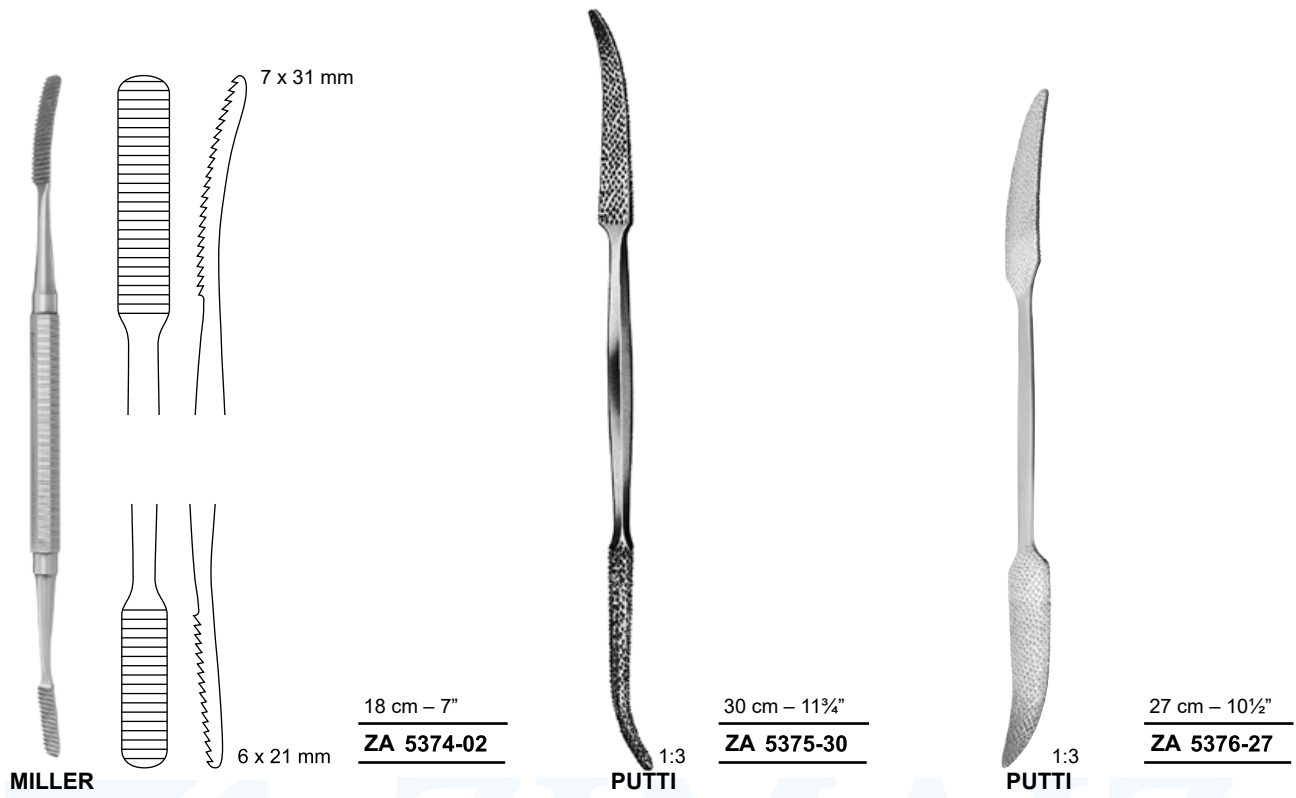
15 cm – 6"

**WILLIGER**

20,5 cm – 8"



# Knochenraspeln Bone Rasps





scharf  
sharp

19 cm – 7½"

**ZA 5379-19**

**MOLT**



12,5 mm



gerade  
straight



gebogen  
curved

15 cm – 6"

**ZA 5380-15**

**ZA 5381-15**

**FARABEUF**



ZIMAIZ  
INTERNATIONAL



**SEDILLOT**



18 mm

scharf  
sharp

18,5 cm – 7¼"

**ZA 5382-18**

**ZA**



**SEDILLOT**



15 mm

scharf  
sharp

21,5 cm – 8½"

**ZA 5382-21**



# Raspatorien Raspatories



**LANGENBECK**



scharf,  
leicht gebogen  
*sharp,  
slightly curved*

19 cm – 7½"

**ZA 5384-18**



**CUSHING**

15 mm



rund, scharf,  
leicht gebogen  
*round, sharp,  
slightly curved*

**ZA 5384-30**



eckig, scharf,  
leicht gebogen  
*square, sharp,  
slightly curved*

**ZA 5384-31**

18 cm – 7"



**LAMBOTTE**



scharf,  
leicht gebogen  
*sharp,  
slightly curved*

21,5 cm – 8½"

5 mm	<b>ZA 5385-05</b>
10 mm	<b>ZA 5385-10</b>
15 mm	<b>ZA 5385-15</b>
20 mm	<b>ZA 5385-20</b>
25 mm	<b>ZA 5385-25</b>



**SCHNEIDER-SAUERBRUCH**

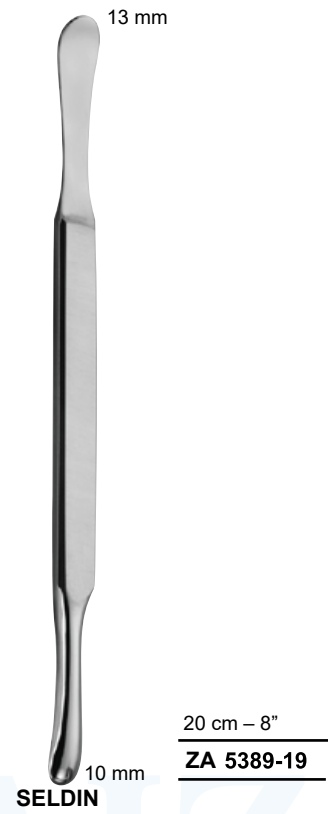


13 mm

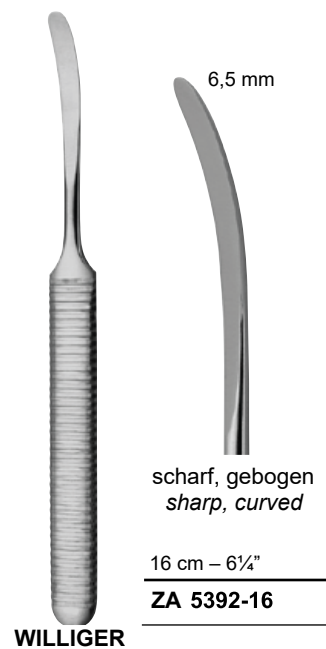
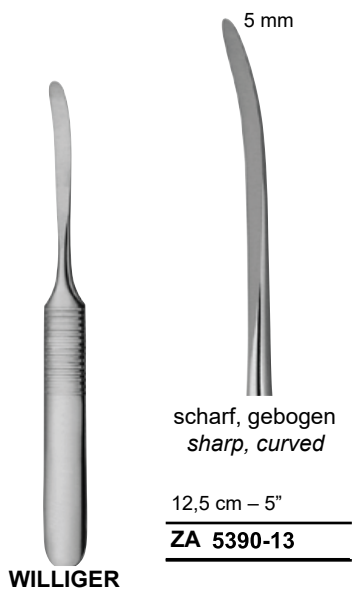
scharf, gebogen  
*sharp, curved*

19 cm – 7½"

**ZA 5386-19**



ZIMAIZ  
INTERNATIONAL

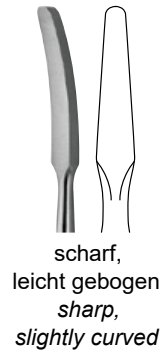




# Raspatorien Raspatories



**JOSEPH**



scharf,  
leicht gebogen  
*sharp,  
slightly curved*

16,5 cm – 6½"  
**ZA 8206-16**



**COTTLE**



scharf,  
leicht gebogen  
*sharp,  
slightly curved*

19,5 cm – 7¾"  
**ZA 8210-19**



scharf  
*sharp*



scharf  
*sharp*

17 cm – 6¾"

**ZA 5393-01** | **ZA 5393-03**



**ADSON**



stumpf  
*blunt*



scharf  
*sharp*

17 cm – 6¾"

**ZA 5393-02** | **ZA 5393-04**



scharf, gebogen  
*sharp, curved*

17 cm – 6¾"

6 mm | **ZA 5394-06**  
8 mm | **ZA 5394-08**

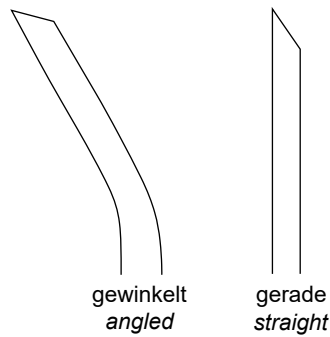
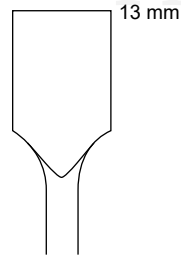
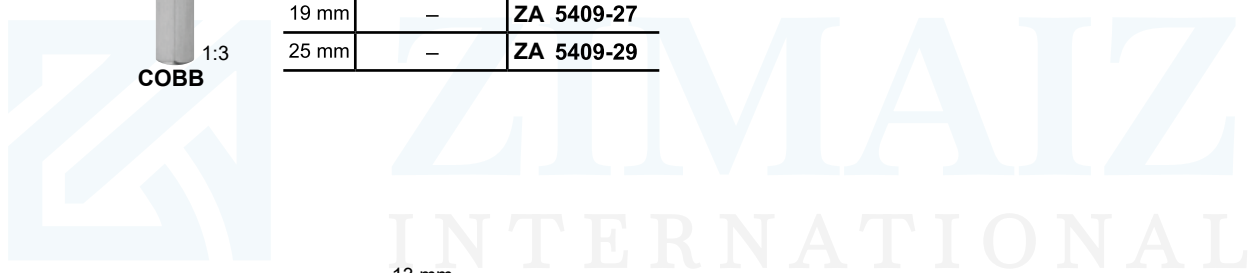




# Raspatorien Raspatories



24 cm – 9½"		
4 mm	<b>ZA 5409-01</b>	–
6 mm	<b>ZA 5409-02</b>	–
8 mm	<b>ZA 5409-03</b>	–
10 mm	–	<b>ZA 5409-24</b>
13 mm	–	<b>ZA 5409-25</b>
19 mm	–	<b>ZA 5409-27</b>
25 mm	–	<b>ZA 5409-29</b>



19 cm – 7½"	
<b>ZA 5410-05</b>	<b>ZA 5410-15</b>



## Instrumente mit **Propylux** Griffen

Ein hochstabiles Thermoplast mit wesentlich besseren Eigenschaften als das oft verwendete Ferrozell:

Exzellente Resistenz gegen Säuren und Laugen, daher hygienisch unbedenklicher als Ferrozell Hohe Formstabilität auch nach Hunderten von

Steri-Zyklen

Hohe Festigkeit auch bei extremer Beanspruchung

Hohe Farbbeständigkeit

Enorme Reduzierung von Reparaturen

Zugelassen bei der FDA

Geeignet für alle Sterilisationsverfahren

## Instruments with **Propylux** Handles

A highly resistant thermoplastic having much better characteristics than the often used Ferrozell:

Excellent resistance against acids and leaches, therefore much safer than Ferrozell from the hygiene point of view

High form stability even after hundreds of sterilisation cycles

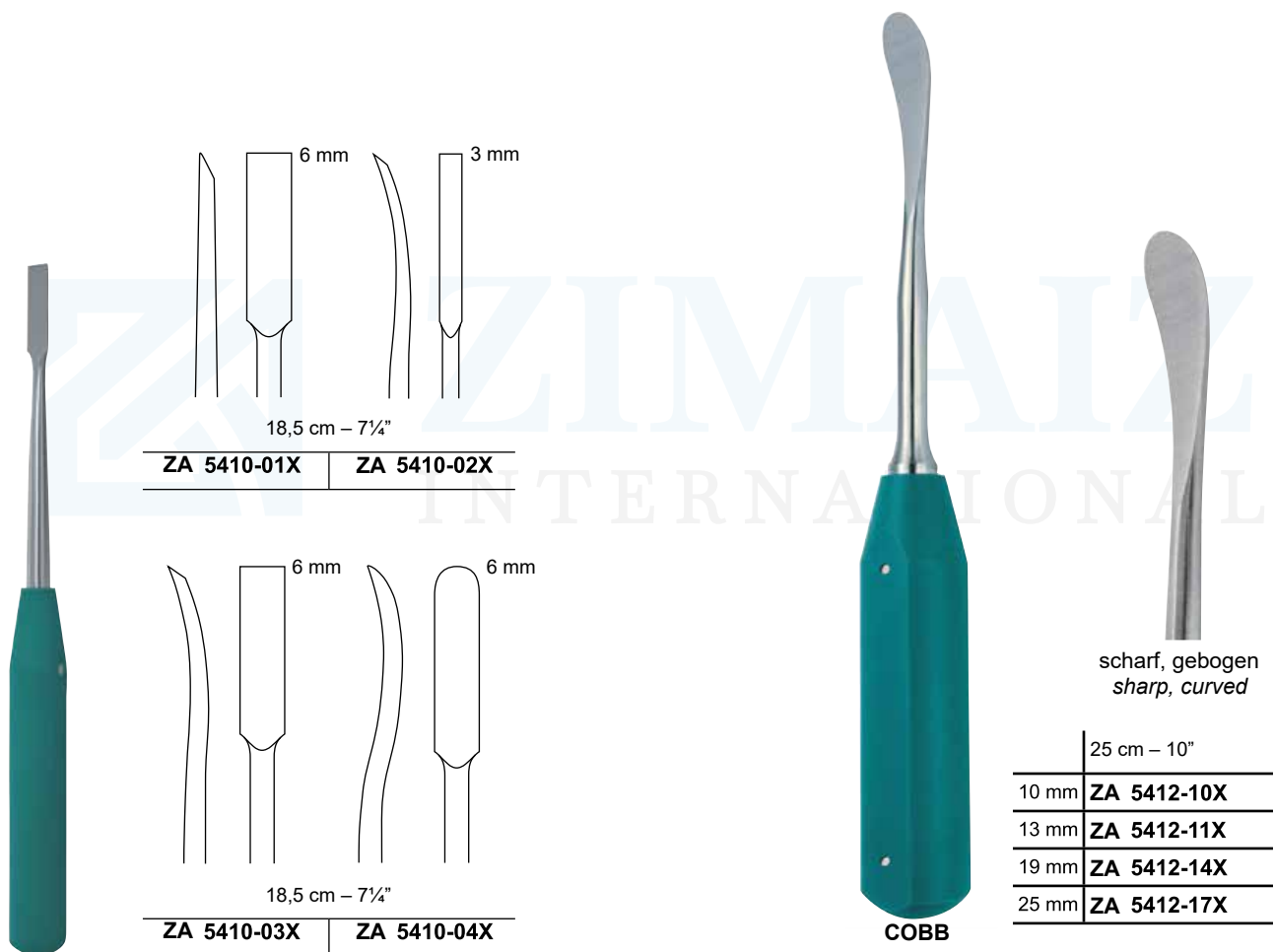
High solidity even when exposed to extreme loads

Highly colour-fast

Tremendously reduced need of repair

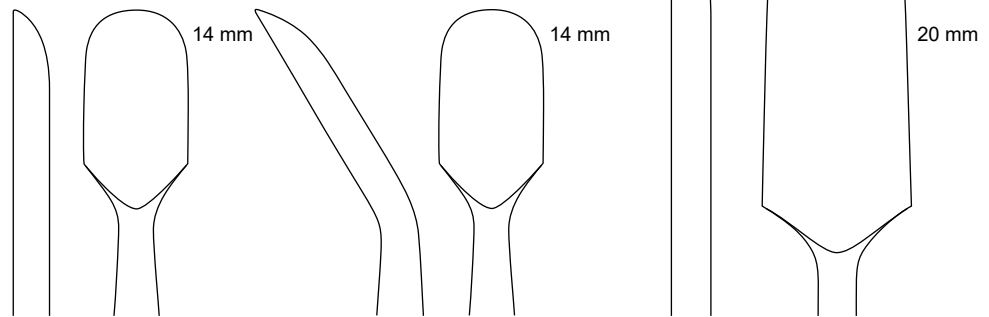
FDA approved

Suitable for all sterilisation procedures

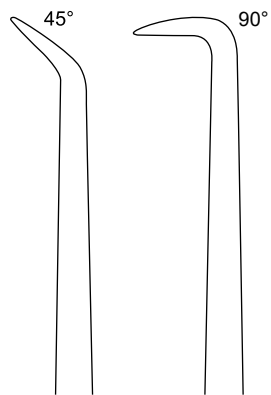
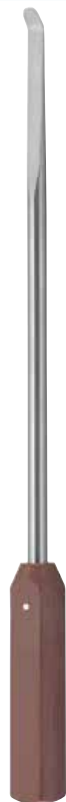
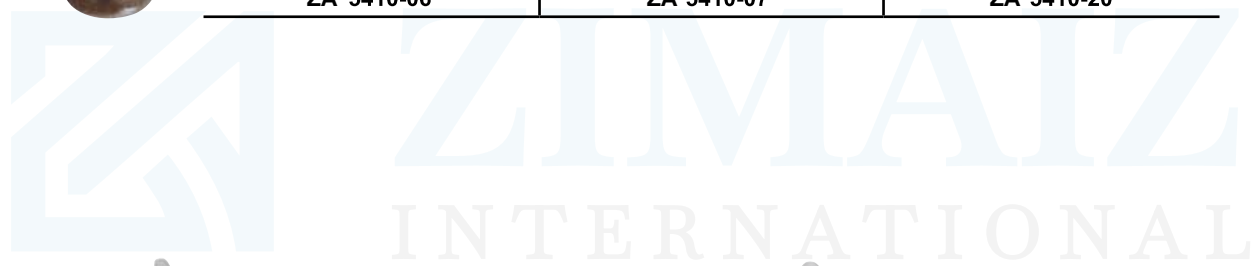




# Raspatorien Raspatories



20,5 cm – 8"	20 cm – 8"	20 cm – 8"
<b>ZA 5410-06</b>	<b>ZA 5410-07</b>	<b>ZA 5410-20</b>



aufgebogen, scharf  
*angled, sharp*

43 cm – 17"	<b>ZA 5417-01</b>	<b>ZA 5417-02</b>
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1:4



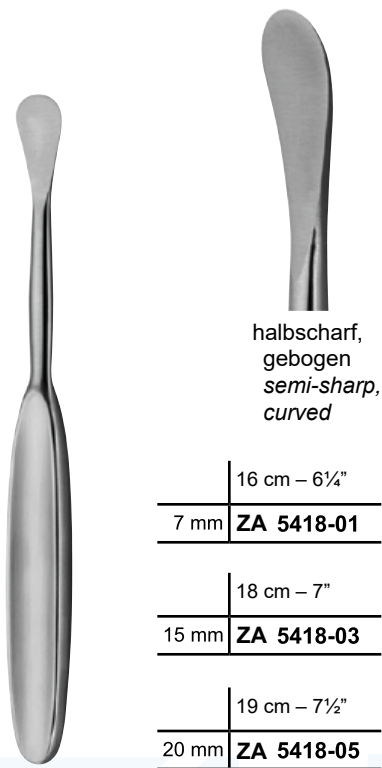
Stahl-Griff  
*Steel handle*



scharf, gebogen  
*sharp, curved*

29 cm – 11½"	
10 mm	<b>ZA 5412-50</b>
13 mm	<b>ZA 5412-51</b>
19 mm	<b>ZA 5412-54</b>
25 mm	<b>ZA 5412-57</b>
32 mm	<b>ZA 5412-60</b>

COBB 1:3



halbscharf,  
gebogen  
*semi-sharp,  
curved*

	16 cm – 6¼"
7 mm	<b>ZA 5418-01</b>
	18 cm – 7"
15 mm	<b>ZA 5418-03</b>
	19 cm – 7½"
20 mm	<b>ZA 5418-05</b>

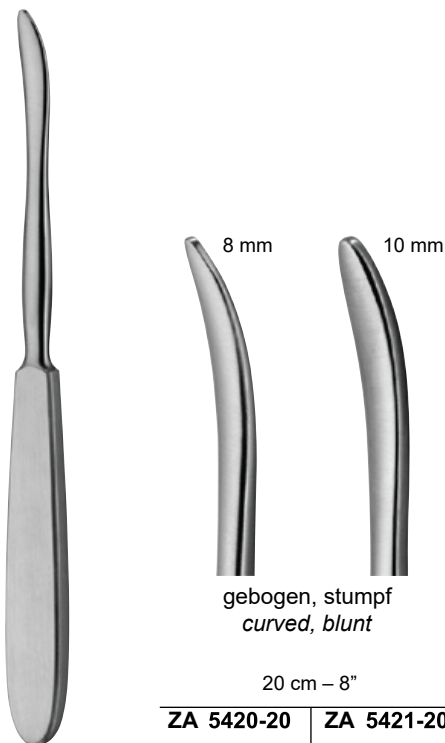
**HOEN**



gebogen,  
stumpf  
*curved,  
blunt*

	18 cm – 7"
	<b>ZA 5419-18</b>

**YANKAUER**



gebogen, stumpf  
*curved, blunt*

	20 cm – 8"
<b>ZA 5420-20</b>	<b>ZA 5421-20</b>

**LANGENBECK**



gebogen,  
stumpf  
*curved,  
blunt*

	23 cm – 9"
	<b>ZA 5422-23</b>

**LANGENBECK**





# Elevatoren Elevators

Elevatorium nach  
Massachusetts  
General Hospital  
*Elevator acc.  
Massachusetts  
General Hospital*



15 cm – 6"  
**ZA 5423-15**

5,5 mm



**WILLIGER**



gebogen,  
stumpf  
*curved,  
blunt*

17 cm – 6 3/4"  
**ZA 5425-17**

4 mm

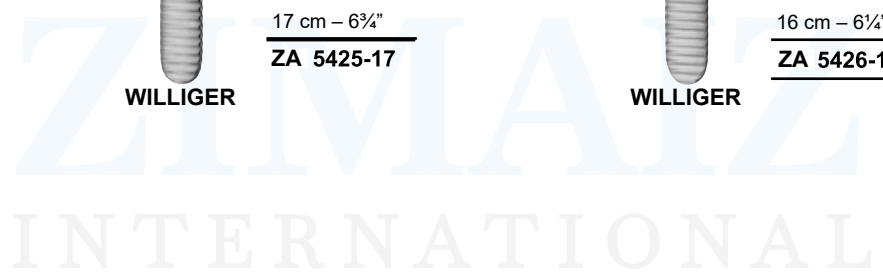


**WILLIGER**



gebogen,  
stumpf  
*curved,  
blunt*

16 cm – 6 1/4"  
**ZA 5426-16**



6 mm



**QUERVAIN**



gebogen,  
stumpf  
*curved,  
blunt*

19,5 cm – 7 3/4"  
**ZA 5427-20**



**KEY**



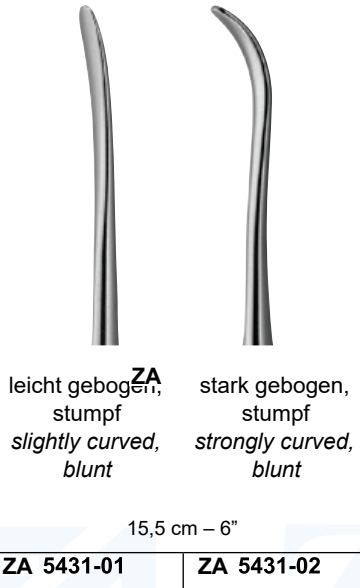
scharf  
*sharp*

17,5 cm – 7"	3 mm	<b>ZA 5430-03</b>
18 cm – 7"	6 mm	<b>ZA 5430-06</b>
19 cm – 7 1/2"	10 mm	<b>ZA 5430-10</b>
	13 mm	<b>ZA 5430-12</b>
20 cm – 8"	16 mm	<b>ZA 5430-16</b>
	19 mm	<b>ZA 5430-19</b>
	25 mm	<b>ZA 5430-25</b>

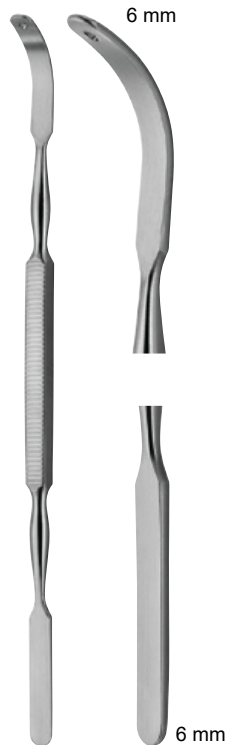
# Elevatoren Elevators



**KÖNIG**



**ALDERDYCE**



**MC DONALD**

stumpf / stumpf  
*blunt / blunt*

18,5 cm – 7¼"

<b>ZA 5434-19</b>
-------------------

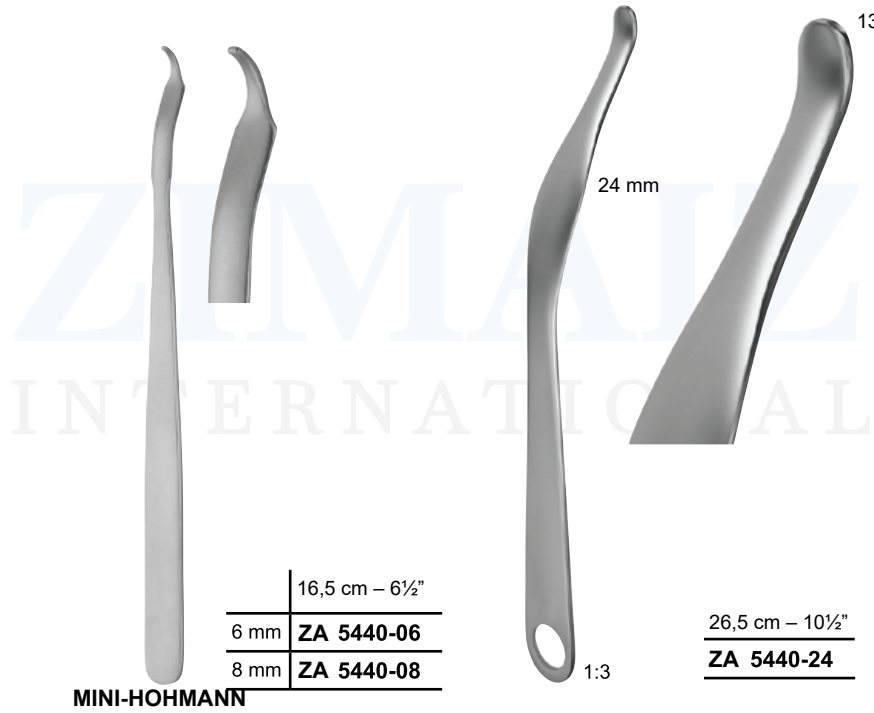
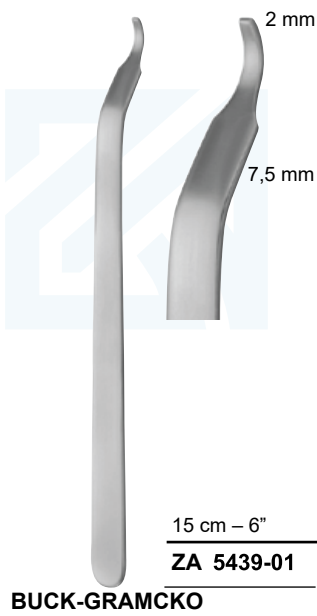


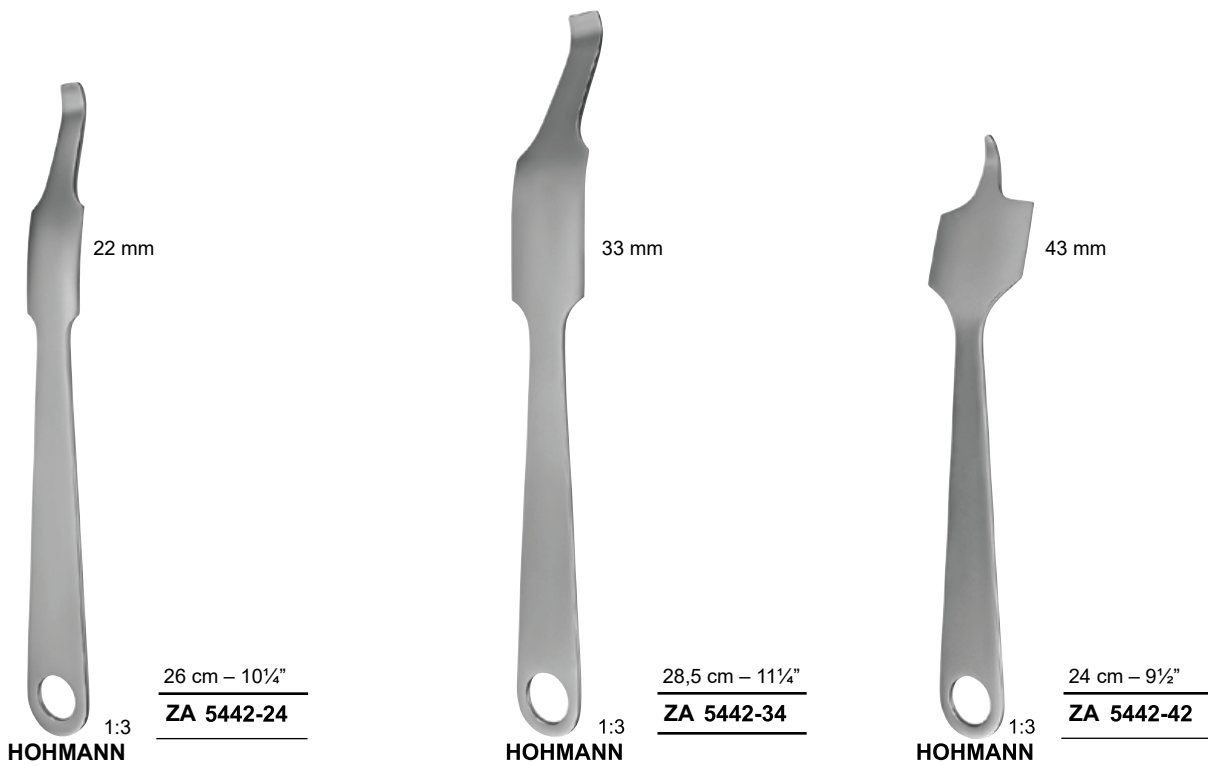
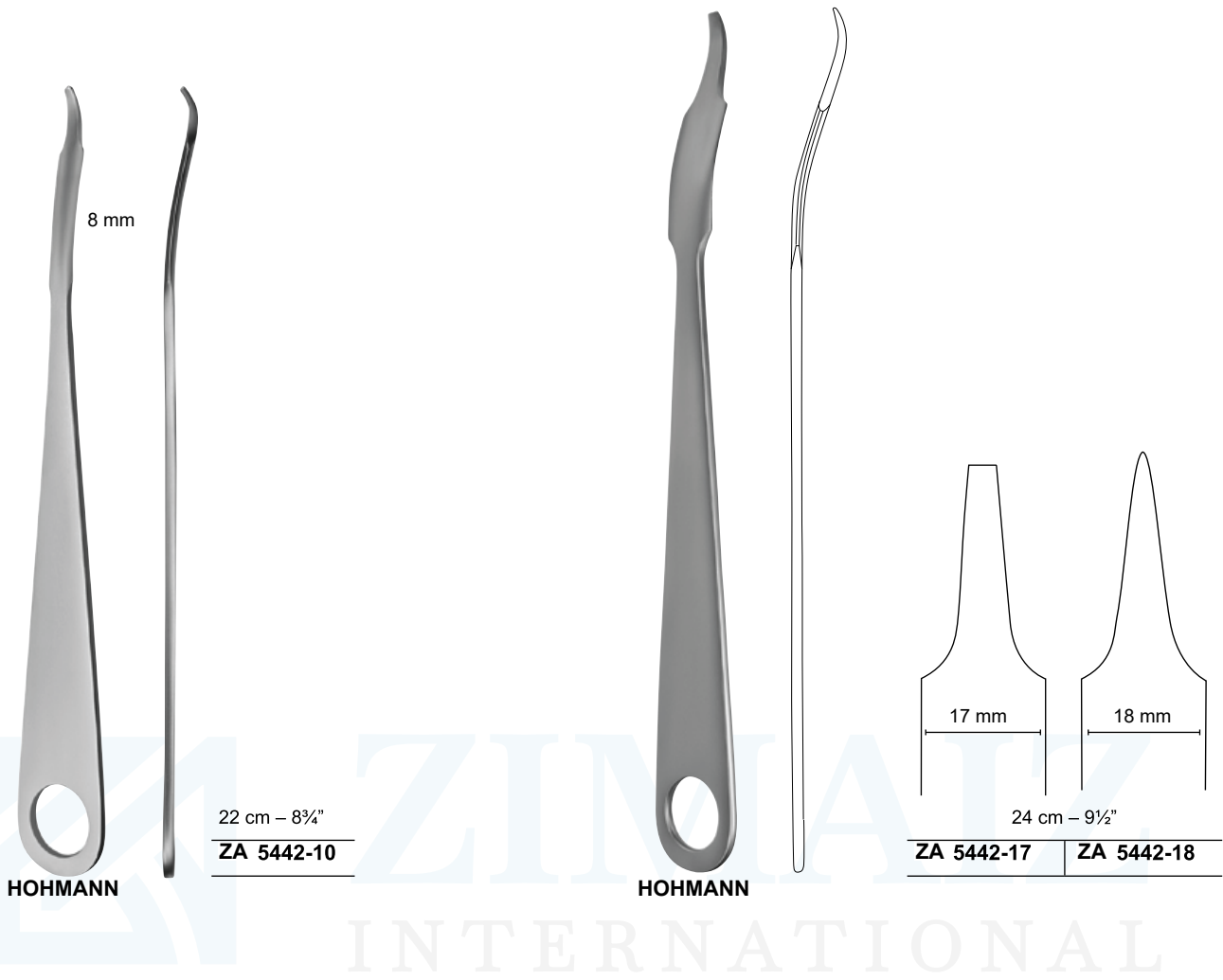
**WATSON-CHEYNE**





# Knochenheber Bone Levers







# Knochenheber Bone Levers



**HOHMANN**



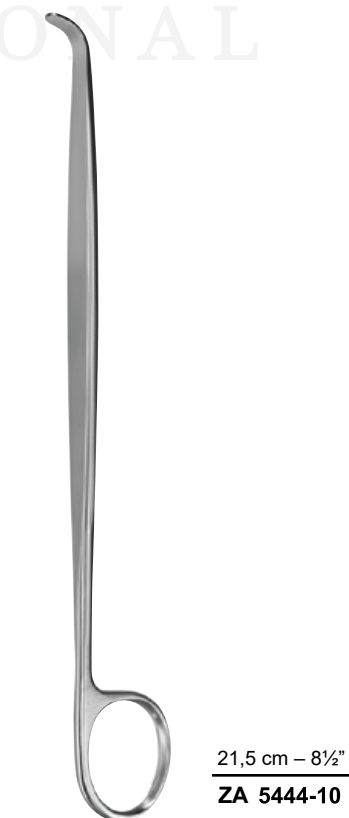
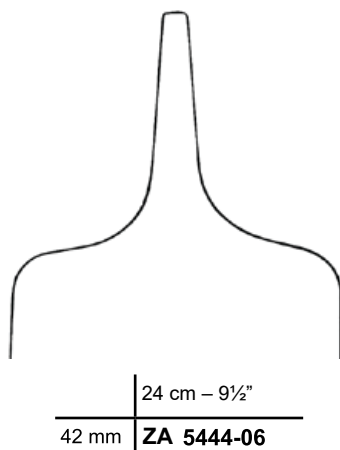
**HOHMANN**



**HOHMANN-ALDINGER**



**VERBRUGGE-MÜLLER**



**LANE-TRETHOWAN**



1:3  
**BRISTOW**  
23 cm – 9"  
**ZA 5444-12**



1:3  
**MURPHY-LANE**  
32 cm – 12½"  
**ZA 5445-32**



38 mm

1:3  
**BLOUNT**  
26 cm – 10¼"  
**ZA 5447-01**



42 mm

1:3  
**BLOUNT**  
26 cm – 10¼"  
**ZA 5447-02**



24 cm – 9½"

1:3  
**BENNETT**  
44 mm **ZA 5450-44**  
60 mm **ZA 5450-64**

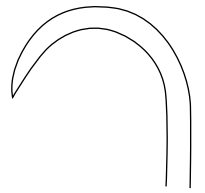
ZIMAIZ  
INTERNATIONAL



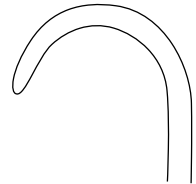
# Knochenhaken Bone Retractors



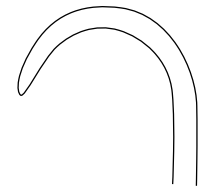
VOLKMANN



scharf  
sharp



stumpf  
blunt



halbscharf  
semi-sharp

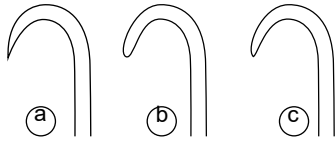
22 cm – 8¾"

ZA 4500-01	ZA 4501-01	ZA 4503-01
------------	------------	------------

9 x 8 mm

9 x 13 mm

9 x 19 mm



- Ⓐ scharf / sharp
- Ⓑ stumpf / blunt
- Ⓒ halbscharf / semi-sharp

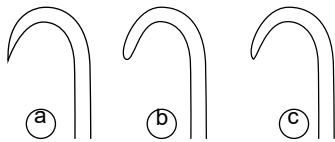


22 cm – 8¾"

	ZA 4500-02	ZA 4500-03	ZA 4500-04
Ⓐ scharf / sharp	ZA 4501-02	ZA 4501-03	ZA 4501-04
Ⓑ stumpf / blunt	ZA 4502-02	ZA 4502-03	ZA 4502-04
Ⓒ halbscharf / semi-sharp			

9 x 29 mm

9 x 40 mm



- Ⓐ scharf / sharp
- Ⓑ stumpf / blunt
- Ⓒ halbscharf / semi-sharp



22 cm – 8¾"

	ZA 4500-06	ZA 4500-08
Ⓐ scharf / sharp	ZA 4501-06	ZA 4501-08
Ⓑ stumpf / blunt	ZA 4502-06	ZA 4502-08
Ⓒ halbscharf / semi-sharp		

VOLKMANN

# Knochenhaken Bone Retractors



scharf  
sharp

24 cm – 9½"

**ZA 4506-24**



**KOCHER**



scharf  
sharp

21,5 cm – 8½"

**ZA 4506-01**



**KOCHER**



scharf  
sharp

21,5 cm – 8½"

**ZA 4507-01**



**KOCHER**



scharf  
sharp

21,5 cm – 8½"

**ZA 4506-11**



**KOCHER**



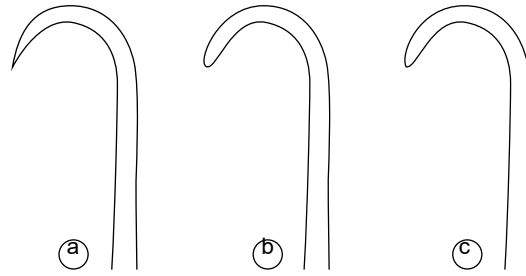
scharf  
sharp

21,5 cm – 8½"

**ZA 4507-11**



# Knochenhaken Bone Retractors



15 x 10 mm

15 x 15 mm

20 x 18 mm



**KOCHER**

22,5 cm – 8¾"

(a) (b) (c)	scharf <i>sharp</i>	<b>ZA 4506-02</b>	<b>ZA 4506-03</b>	<b>ZA 4506-04</b>
	stumpf <i>blunt</i>	<b>ZA 4507-02</b>	<b>ZA 4507-03</b>	<b>ZA 4507-04</b>
	halbscharf- <i>semi-sharp</i>	<b>ZA 4508-02</b>	<b>ZA 4508-03</b>	<b>ZA 4508-04</b>

15 x 30 mm

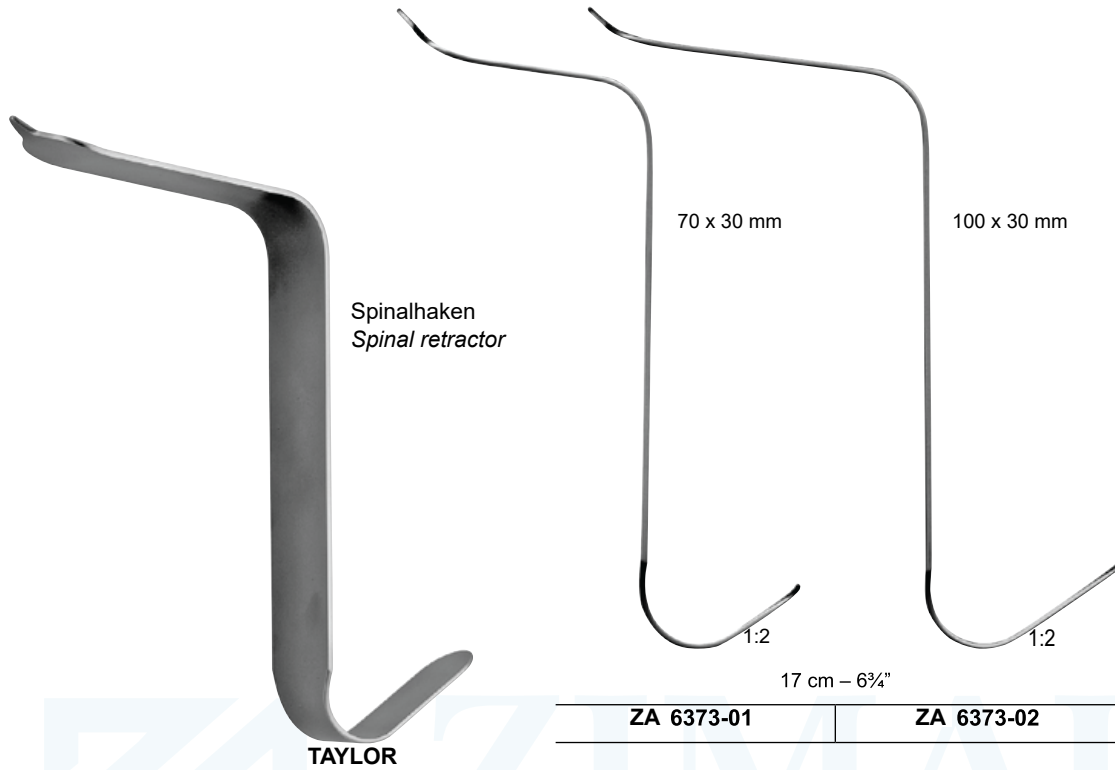
15 x 40 mm



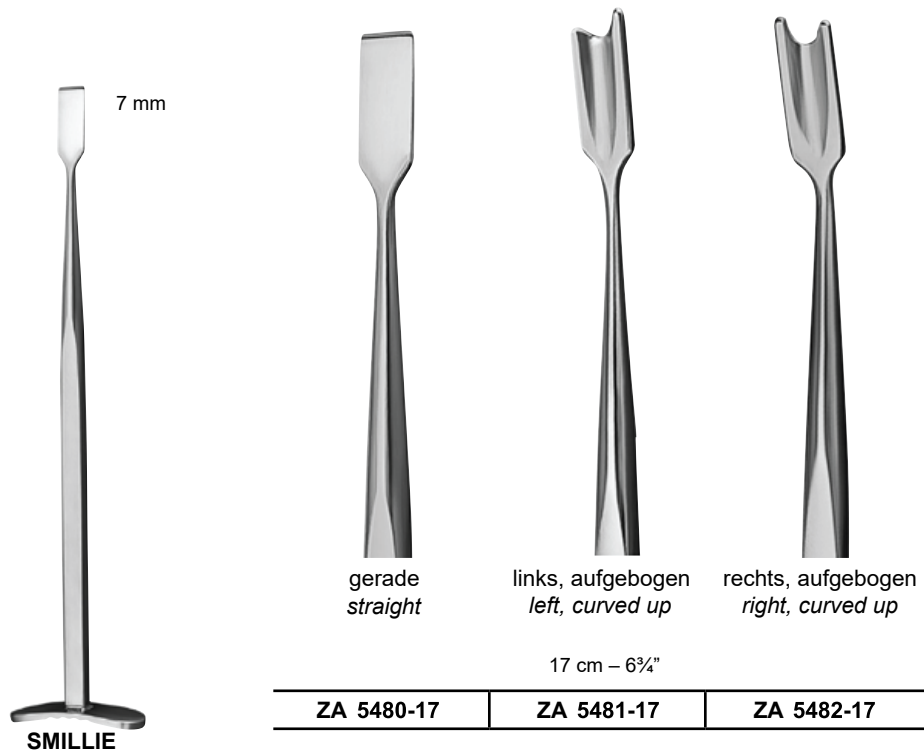
22,5 cm – 8¾"

(a) (b) (c)	scharf <i>sharp</i>	<b>ZA 4506-06</b>	<b>ZA 4506-08</b>
	stumpf <i>blunt</i>	<b>ZA 4507-06</b>	<b>ZA 4507-08</b>
	halbscharf- <i>semi-sharp</i>	<b>ZA 4508-06</b>	<b>ZA 4508-08</b>

# Spinalhaken, Meniskusmesser Spinal Retractors, Meniscus Knives



ZIMAIZ  
INTERNATIONAL

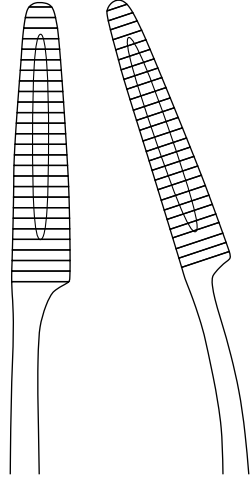




# Knochenhaltezangen Bone Holding Forceps



Sequesterzange  
*Sequestrum forceps*



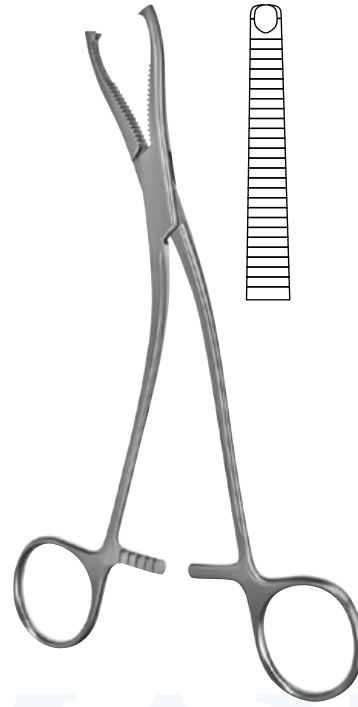
gerade  
*straight*

aufgebogen  
*curved up*

20 cm – 8"

**ZA 5500-20**

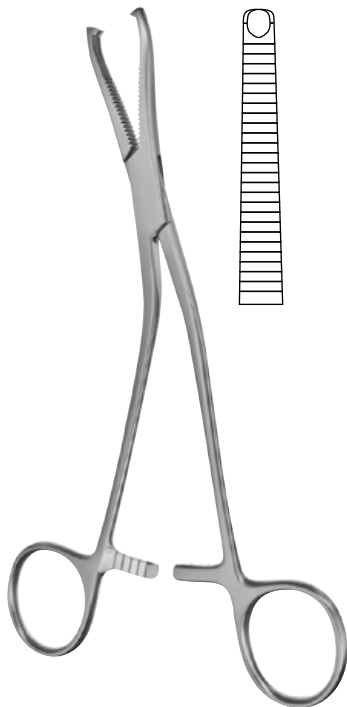
**ZA 5501-20**



**DINGMANN**

19 cm – 7½"

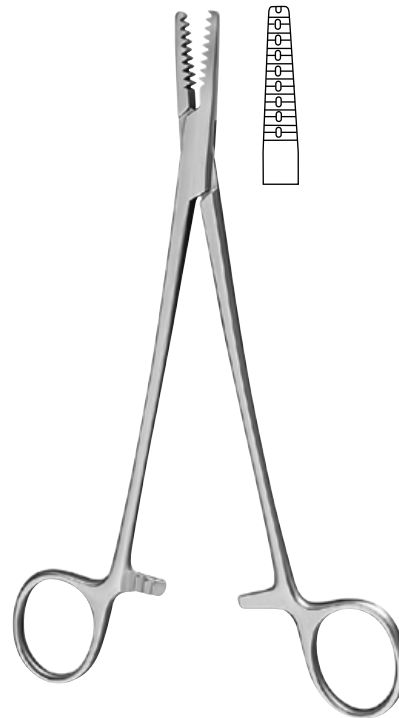
**ZA 5505-19**



**DINGMANN (modif.)**

19 cm – 7½"

**ZA 5506-19**



**MARTIN**

19 cm – 7½"

**ZA 5508-19**



**BIRCHER-GANSKE**



gerade  
straight



aufgebogen  
curved up



seitlich gebogen  
curved to side

20 cm – 8"

**ZA 5510-00**

**ZA 5510-20**

**ZA 5511-20**



**LEWIN**

17,5 cm – 7"

**ZA 5512-17**



**LANGENBECK**

12 mm



21 cm – 8¼"

**ZA 5514-21**

ZIMAIZ  
INTERNATIONAL



# Knochenhaltezaugen Bone Holding Forceps



**FERGUSSON**

11 mm



21 cm – 8¼"

**ZA 5516-21**



16 cm – 6¼"

**ZA 5518-16**

24 cm – 9½"

**ZA 5518-24**



ZIMAIZ  
INTERNATIONAL



**KERN**



ohne Sperre  
*without ratchet*

mit Sperre  
*with ratchet*

17 cm – 6¾"

**ZA 5520-17**

**ZA 5521-17**

21 cm – 8¼"

**ZA 5520-21**

**ZA 5521-21**

# Knochenhaltezangen Bone Holding Forceps



18 cm – 7"	<b>ZA 5522-18</b>
23 cm – 9"	<b>ZA 5522-23</b>
25 cm – 10"	<b>ZA 5522-25</b>
28 cm – 11"	<b>ZA 5522-28</b>



21 cm – 8¼"	<b>ZA 5524-21</b>
27 cm – 10½"	<b>ZA 5524-27</b>
30,5 cm – 12"	<b>ZA 5524-30</b>

**HEY GROVES**



8 mm

19 cm – 7½"	<b>ZA 5525-19</b>
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**SEMB**



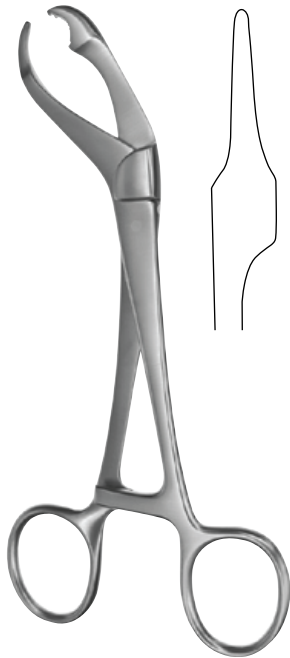
7,5 mm

19 cm – 7½"	<b>ZA 5525-51</b>
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**SEMB**



# Knochenhalte­zangen Bone Holding Forceps



**VERBRUGGE**



kleines Modell  
*small pattern*

17,5 cm – 7"

**ZA 5527-17**



**VERBRUGGE**



ZIMAIZ  
INTERNATIONAL



25 cm – 10"

**ZA 5527-25**



mit Lappenverschluss  
*with lip joint*

26 cm – 10¼"

**ZA 5527-26**



27 cm – 10½"

**ZA 5527-27**

# Knochenhalte­zangen Bone Holding Forceps



15 cm – 6"	<b>ZA 5528-15</b>
19 cm – 7½"	<b>ZA 5528-19</b>
24 cm – 9½"	<b>ZA 5528-24</b>
26 cm – 10¼"	<b>ZA 5528-26</b>
28 cm – 11"	<b>ZA 5528-28</b>



Amputationsretraktor,  
Griffe abnehmbar  
*Amputation retractor,  
removeable handles*

**PERCY**  
**ZA 5529-30**

1:4



**FARABEU­F-LAMBOTTE**

26 cm – 10¼"  
**ZA 5533-26**



**LAMBOTTE**

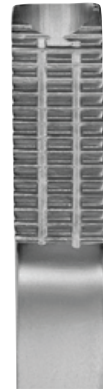
19 cm – 7½" **ZA 5535-19**  
23 cm – 9" **ZA 5535-23**  
26 cm – 10¼" **ZA 5535-26**



# Knochenhalte­zangen Bone Holding Forceps



LANE



ohne Sperre      mit Sperre  
*without ratchet*      *with ratchet*

33 cm – 13"	<b>ZA 5534-33</b>	<b>ZA 5536-33</b>
26 cm – 10¼"	<b>ZA 5534-45</b>	<b>ZA 5536-45</b>



14,5 cm – 5¾"  
**ZA 5537-14**

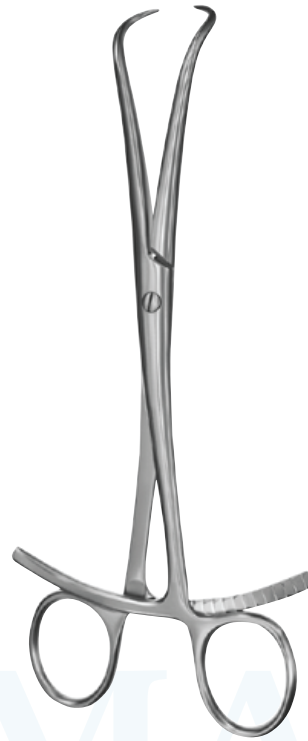


13,5 cm – 5¼"  
**ZA 5538-12**

Knochenhalte­zangen  
Bone Holding Forceps



13,5 cm – 5¼"  
**ZA 5539-13**



20 cm – 8"  
**ZA 5539-20**



17 cm – 6¾"  
**ZA 5540-17**



Patellazange  
*Patella forceps*

17,5 cm – 7"  
**ZA 5540-01**



# Knochenhalte­zangen Bone Holding Forceps



**LOWMAN**

18 cm – 7"	<b>ZA 5542-18</b>
20 cm – 8"	<b>ZA 5542-20</b>
22 cm – 8¾"	<b>ZA 5542-22</b>



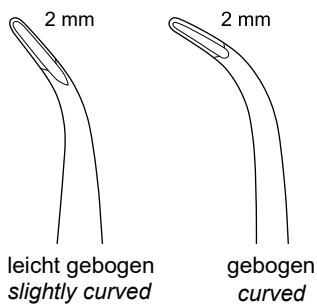
**MINI-LOWMAN**

12 cm – 4¾"
<b>ZA 5543-12</b>





**STELLBRINK**



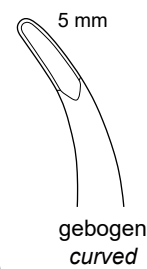
17 cm – 6¾"

**ZA 5558-01**

**ZA 5558-02**



**BANE-HARTMANN**

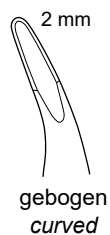


17,5 cm – 7"

**ZA 5559-17**



**MINI-FRIEDMANN**



12,5 cm – 5"

**ZA 5560-12**



**LUER-FRIEDMANN**



14 cm – 5½"

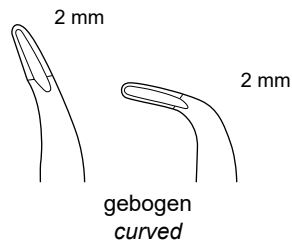
**ZA 5560-14**



# Hohlmeißelzangen Bone Rongeurs



**FRIEDMANN-DELIKAT**



14 cm – 5½"

**ZA 5561-15** | **ZA 5561-90**

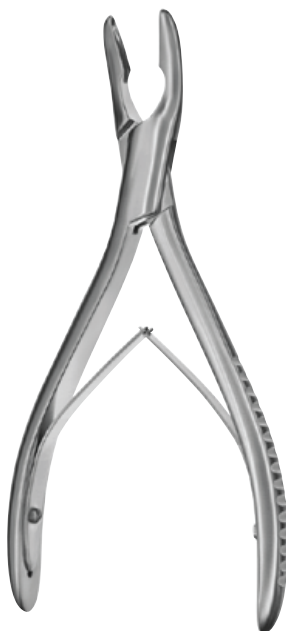


**CLEVELAND**

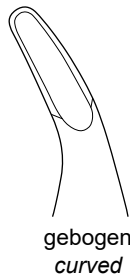


gebogen  
curved

-	
14 cm – 5½"	<b>ZA 5562-14</b>
17 cm – 6¾"	<b>ZA 5562-17</b>



**HARTMANN**

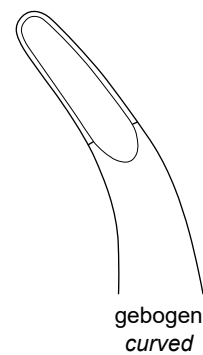


18,5 cm – 7¼"

**ZA 5563-18**



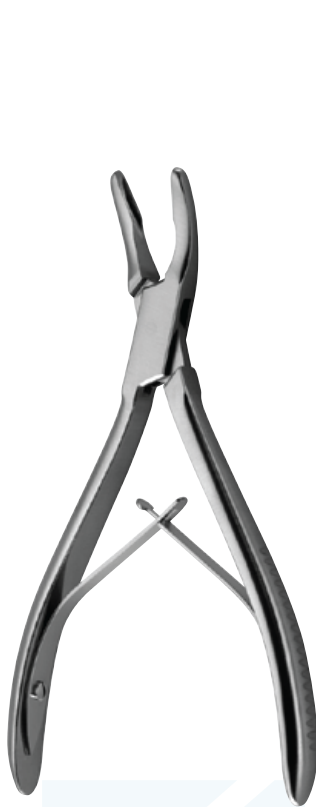
**OLIVECRONA**



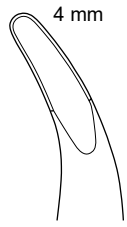
20 cm – 8"

**ZA 5565-20**

# Hohlmeißelzangen Bone Rongeurs



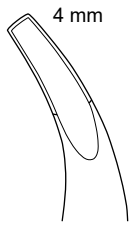
**MEAD**



gebogen  
*curved*

16,5 cm – 6½"

**ZA 5566-16**



gebogen  
*curved*

16,5 cm – 6½"

**ZA 5568-16**



**LEMPERT**



gerade  
*straight*

16 cm – 6¼"

**ZA 5570-16**

19 cm – 7½"

**ZA 5570-19**



gebogen  
*curved*

16 cm – 6¼"

**ZA 5571-16**

19 cm – 7½"

**ZA 5571-19**



**BEYER**



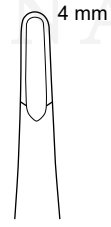
gebogen  
*curved*

18 cm – 7"

**ZA 5572-18**



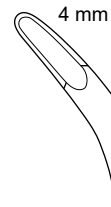
**JANSEN**



gerade  
*straight*

17,5 cm – 7"

**MA 5573-17**



gebogen  
*curved*

17,5 cm – 7"

**ZA 5574-17**



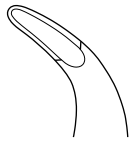
# Hohlmeißelzangen Bone Rongeurs



**BLUMENTHAL**



leicht gebogen  
*slightly curved*



gebogen  
*curved*

15,5 cm – 6"

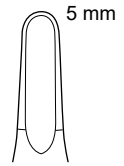
**ZA 5575-01**

15 cm – 6"

**ZA 5575-02**



**HAKANSSON**



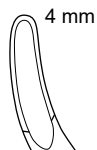
seitlich gebogen  
*curved laterally*

16 cm – 6¼"

**ZA 5576-15**



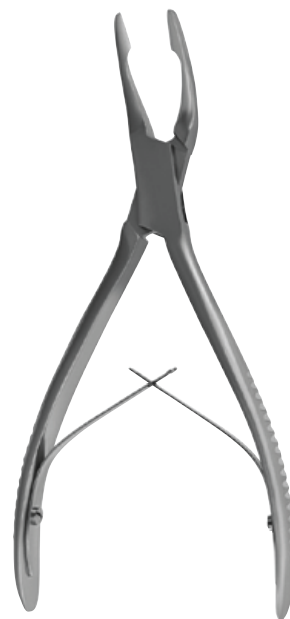
**JANSEN**



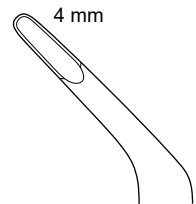
S-gebogen  
*S-curved*

18 cm – 7"

**ZA 5576-19**



**COTTLE-JANSEN**

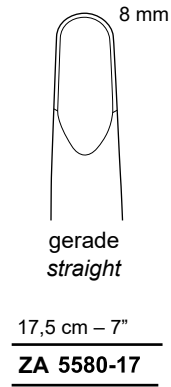


gebogen  
*curved*

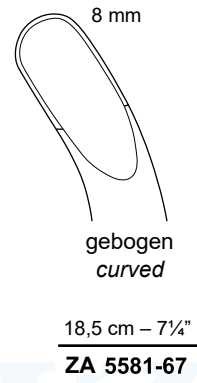
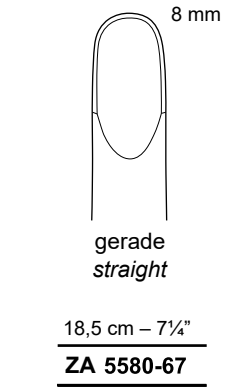
17 cm – 6¾"

**ZA 5579-01**

# Hohlmeißelzangen Bone Rongeurs



schweres Modell  
heavy pattern



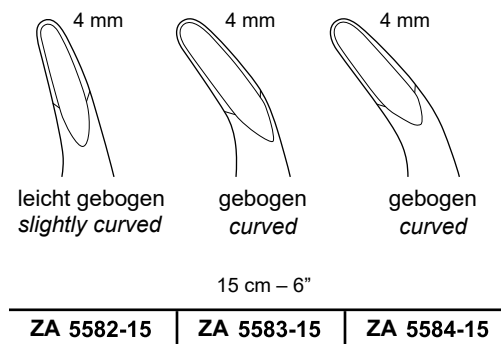
LUER

LUER

ZIMAIZ  
INTERNATIONAL

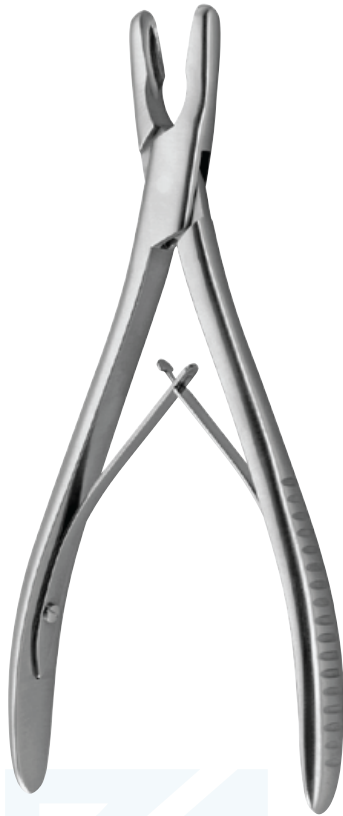


LUER

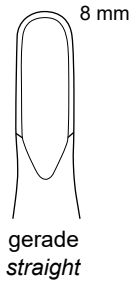




# Hohlmeißelzangen Bone Rongeurs

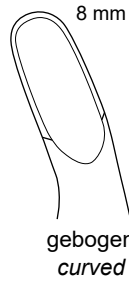


**ADSON**



20,5 cm – 8"

**ZA 5585-01**

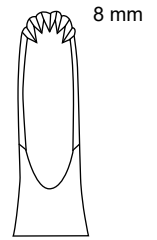


20,5 cm – 8"

**ZA 5585-02**



**ADSON**

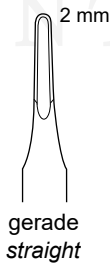


20,5 cm – 8"

**ZA 5585-21**



**KLEINERT-KUTZ**



15 cm – 6"

**ZA 5587-02**

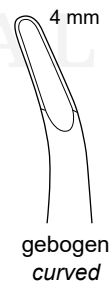
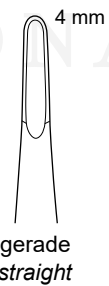


15 cm – 6"

**ZA 5587-12**



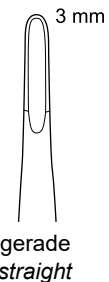
**BÖHLER**



15,5 cm – 6"

**ZA 5588-15**

**ZA 5589-15**



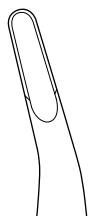
15,5 cm – 6"

**ZA 5588-03**

**ZA 5589-13**



**ZAUFAL-JANSEN**



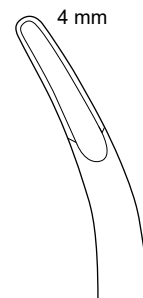
gebogen  
*curved*

18 cm – 7"

**ZA 5590-18**



**BEYER**



4 mm

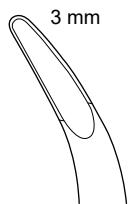
gebogen  
*curved*

18 cm – 7"

**ZA 5592-18**



**MAYFIELD**



3 mm

gebogen  
*curved*

17,5 cm – 7"

**ZA 5593-17**



**RUSKIN**



gerade  
*straight*

18 cm – 7"

**ZA 5594-02**

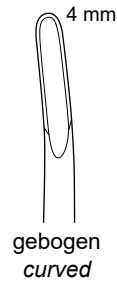
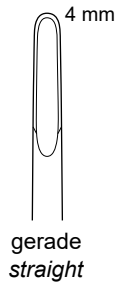
ZIMAIZ  
INTERNATIONAL



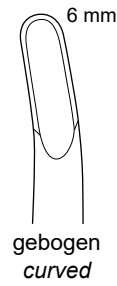
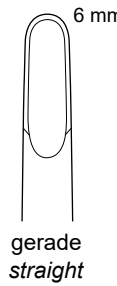
# Hohlmeißelzangen Bone Rongeurs



**RUSKIN**



18 cm – 7"	<b>ZA 5594-24</b>	<b>ZA 5594-34</b>
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18 cm – 7"	<b>ZA 5594-51</b>	<b>ZA 5594-18</b>
23,5 cm – 9¼"	<b>ZA 5594-53</b>	<b>ZA 5594-23</b>



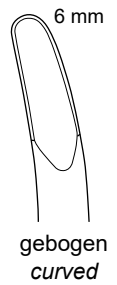
**MARQUARDT**



20 cm – 8"	<b>ZA 5595-20</b>	<b>ZA</b>
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**RÖTTGEN-RUSKIN**



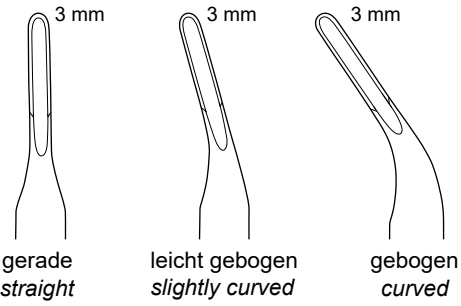
24 cm – 9½"	<b>ZA 5596-24</b>
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# Hohlmeißelzangen Bone Rongeurs

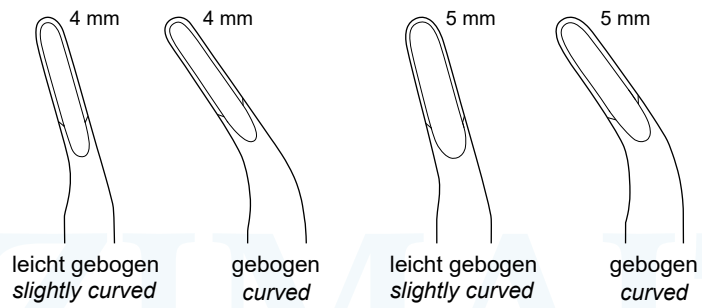


**SMITH-PETERSEN**



24 cm – 9½"

<b>ZA 5597-03</b>	<b>ZA 5597-13</b>	<b>ZA 5597-23</b>
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24 cm – 9½"

<b>ZA 5597-14</b>	<b>ZA 5597-24</b>	<b>ZA 5597-15</b>	<b>ZA 5597-25</b>
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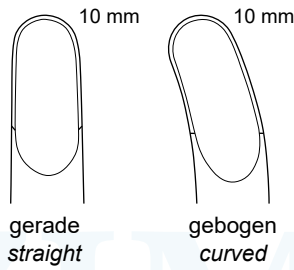
INTERNATIONAL



# Hohlmeißelzangen Bone Rongeurs



STILLE-LUER



22 cm – 8 3/4"

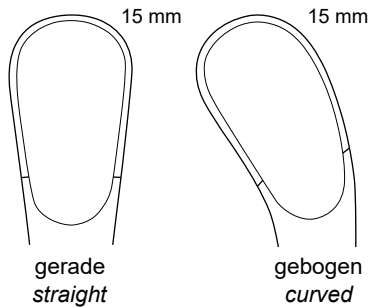
ZA 5600-22

ZA 5601-22



STILLE-LUER

1:3



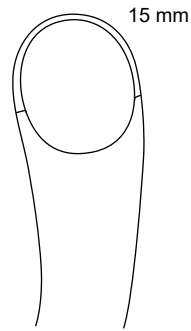
27 cm – 10 1/2"

ZA 5600-27

ZA 5601-27



**SEMBA**



15 mm

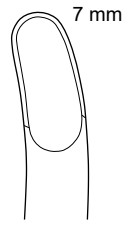
gebogen  
*curved*

23 cm – 9"

**ZA 5602-23**



**STILLE-RUSKIN**



7 mm

gebogen  
*curved*

24 cm – 9½"

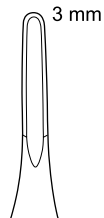
**ZA 5604-23**

ZIMAIZ  
INTERNATIONAL

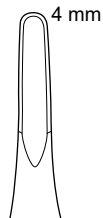


**LEKSELL**

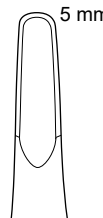
1:3



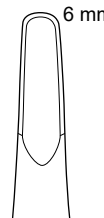
3 mm



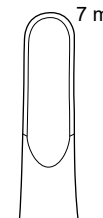
4 mm



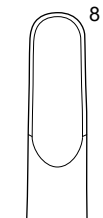
5 mm



6 mm



7 mm



8 mm

seitlich gebogen  
*curved sideways*

23,5 cm – 9¼"

<b>ZA 5606-03</b>	<b>ZA 5606-04</b>	<b>ZA 5606-05</b>	<b>ZA 5606-06</b>	<b>ZA 5606-07</b>	<b>ZA 5606-08</b>
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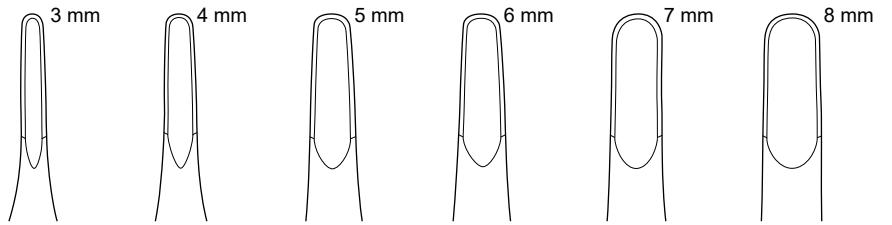


# Hohlmeißelzangen Bone Rongeurs



**LEKSELL**

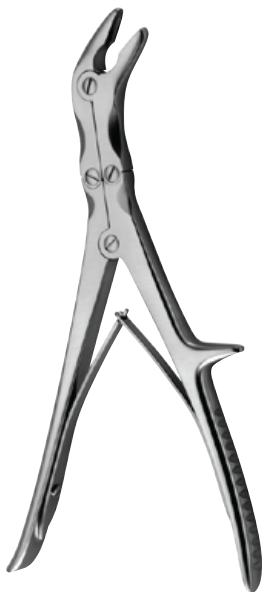
1:3



seitlich gebogen  
*curved sideways*

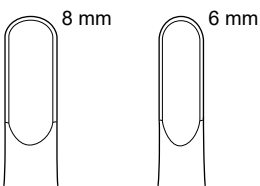
23 cm – 9"

<b>ZA 5606-13</b>	<b>ZA 5606-14</b>	<b>ZA 5606-15</b>	<b>ZA 5606-16</b>	<b>ZA 5606-17</b>	<b>ZA 5606-18</b>
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**STILLE**

1:3



seitlich gebogen  
*curved sideways*

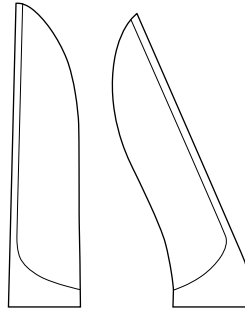
23 cm – 9"

<b>ZA 5608-08</b>	<b>ZA 5608-23</b>
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# Knochensplitterzangen Bone Cutting Forceps



**LISTON**



gerade  
straight

gebogen  
curved

14 cm – 5½"	<b>ZA 5640-14</b>	<b>ZA 5641-14</b>
17 cm – 6¾"	<b>ZA 5640-17</b>	<b>ZA 5641-17</b>
20 cm – 8"	<b>ZA 5640-19</b>	<b>ZA 5641-19</b>
22 cm – 8¾"	<b>ZA 5640-22</b>	<b>ZA 5641-22</b>



**LITTAUER-LISTON**

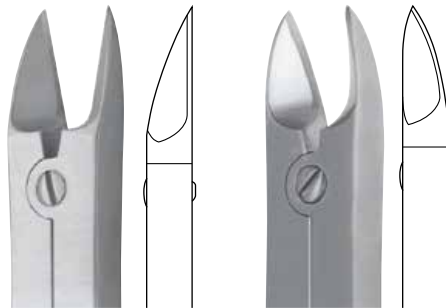


15 cm – 6"

**ZA 5642-15**



**BÖHLER**



gerade  
straight

gebogen  
curved

15 cm – 6"

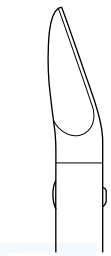
<b>ZA 5700-15</b>	<b>ZA 5701-15</b>
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# Knochensplitterzangen Bone Cutting Forceps



**MC INDOE**



17,5 cm – 7"

**ZA 5702-17**



**KAZANJIAN**

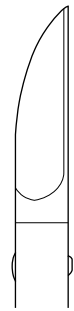


18 cm – 7"

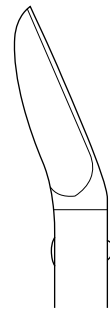
**ZA 8125-18**



**RUSKIN-LISTON**



gerade  
straight



gebogen  
curved

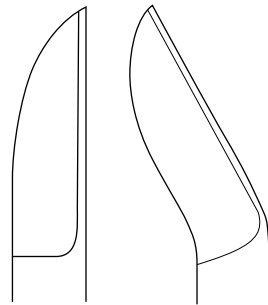
8,5 cm – 7¼"

**ZA 5710-18**

**ZA 5711-18**



STILLE-LISTON



gerade  
straight

gebogen  
curved

23 cm – 9"	<b>ZA 5716-23</b>	<b>ZA 5717-23</b>
27 cm – 10½"	<b>ZA 5716-27</b>	<b>ZA 5717-27</b>

ZIMAIZ  
INTERNATIONAL



S-gebogen  
S-curved

LISTON-KEY-HORSLEY

1:3



27 cm – 10½"

**ZA 5718-27**



# Instrumente für Fingernägel Nail Instruments



Nagelspaltzange  
*Nail nipper*

13,5 cm – 5¼"

**ZA 5722-13**



Rundzange  
*Round pliers*

18 cm – 7"

**ZA 5723-04**

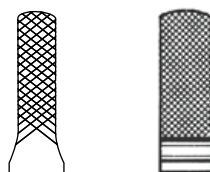


# ZIMAIZ

INTERNATIONAL



Flachzange  
*Flat nose pliers*



18 cm – 7"

**ZA 5723-18**

**ZA 5724-18**



Nagelausreißzange  
*Nail pulling forceps*



13,5 cm – 5¼"

**ZA 5726-13**

**RADOLF**



Sägeblatt, allein  
*Saw blade, only*

**ZA 5727-21**

Fingerringsäge,  
kompl. mit 1 Sägeblatt  
*Finger ring saw,  
compl. with 1 saw blade*

17 cm – 6¾"

**ZA 5727-17**



Sägeblatt, allein,  
für Hartmetall nicht geeignet  
*Saw blade, only,  
not suitable for carbide metal*

**ZA 5728-21**

Fingerringsäge,  
kompl. mit 1 Sägeblatt  
*Finger ring saw,  
compl. with 1 saw blade*

15 cm – 6"

**ZA 5728-17**



1:3  
**LANGENBECK**

23 cm – 9"

**ZA 5730-23**



1:3  
**SATTERLEE**

Sägeblatt, allein  
*Saw blade, only*

**ZA 5732-99**

31 cm – 12¼"

**ZA 5732-31**



## Sägen und Sägeblätter Saws and Saw Blades



Sägeblatt, allein  
*Saw blade, only*

**ZA 5735-99**

27 cm – 10½"

**ZA 5735-27**

1:3

CHARRIÈRE



Säge komplett, bestehend aus:  
*Saw complete, consisting of:*

**ZA 5736-35**

1 Säge 35 cm – 13¾"

1 *Saw 35 cm – 13¾"*

1 Sägeblatt 12 mm (ZA 5736-42)

1 *Saw blade 12 mm (ZA 5736-42)*

1 Sägeblatt 15 mm (ZA 5736-45)

1 *Saw blade 15 mm (ZA 5736-45)*

Blattbreite <i>Blade width</i>	Sägeblätter <i>Saw blades</i>
12 mm	<b>ZA 5736-42</b>
15 mm	<b>ZA 5736-45</b>

CHARRIÈRE



Griff, allein  
Handle, only

27 cm – 10½"

**ZA 5744-10**



Fig. 9

Verlängerungsstück  
Extension piece

7,5 cm – 3"

**ZA 5744-09**

## HUDSON

Bohrapparat komplett, bestehend aus:  
Hand drill complete, consisting of:

**ZA 5744-00**

Griff, allein (ZA 5744-10)  
Handle, only (ZA 5744-10)

Fräser Fig. 1 (ZA 5744-01)  
Cutter Fig. 1 (ZA 5744-01)

Fräser Fig. 2 (ZA 5744-02)  
Cutter Fig. 2 (ZA 5744-02)

Fräser Fig. 3 (ZA 5744-03)  
Cutter Fig. 3 (ZA 5744-03)

Fräser Fig. 4 (ZA 5744-04)  
Cutter Fig. 4 (ZA 5744-04)

Verlängerungsstück Fig. 9 (ZA 5744-09)  
Extension piece Fig. 9 (ZA 5744-09)



HUDSON

CUSHING

MC KENZIL ERRICO

Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5			
Ø 9 mm	Ø 14 mm	Ø 16 mm	Ø 22 mm	Ø 14 mm	Ø 2 mm	Ø 13 mm	Ø 16 mm
<b>ZA 5744-01</b>	<b>ZA 5744-02</b>	<b>ZA 5744-03</b>	<b>ZA 5744-04</b>	<b>ZA 5744-05</b>	<b>ZA 5744-06</b>	<b>ZA 5744-07</b>	<b>ZA 5744-08</b>



# Bohrapparate Hand Drills



## STILLE

Bohrapparat komplett, bestehend aus: <i>Hand drill complete, consisting of:</i>	<b>ZA 5746-00</b>
--	-------------------

Griff, allein 24 cm – 9½" (ZA 5746-10)  
*Handle, only 24 cm – 9½" (ZA 5746-10)*

Bohrer Fig. 1 (ZA 5746-01)  
*Drill Fig. 1 (ZA 5746-01)*

Bohrer Fig. 2 (ZA 5746-02)  
*Drill Fig. 2 (ZA 5746-02)*

Bohrer Fig. 3 (ZA 5746-03)  
*Drill Fig. 3 (ZA 5746-03)*

Bohrer Fig. 4 (ZA 5746-04)  
*Drill Fig. 4 (ZA 5746-04)*

Bohrer Fig. 5 (ZA 5746-05)  
*Drill Fig. 5 (ZA 5746-05)*

Fräser Fig. 6 (ZA 5746-06)  
*Cutter Fig. 6 (ZA 5746-06)*

Fräser Fig. 7 (ZA 5746-07)  
*Cutter Fig. 7 (ZA 5746-07)*

Fräser Fig. 8 (ZA 5746-08)  
*Cutter Fig. 8 (ZA 5746-08)*

Fräser Fig. 9 (ZA 5746-09)  
*Cutter Fig. 9 (ZA 5746-09)*

Griff, allein  
*Handle, only*

24 cm – 9½"

**ZA 5746-10**



Fig. 1	Fig. 2	Fig. 3	Fig. 4	Fig. 5	Fig. 6	Fig. 7	Fig. 8	Fig. 9
Ø 2,5 mm	Ø 3 mm	Ø 3,5 mm	Ø 4 mm	Ø 10 mm	Ø 5 mm	Ø 8 mm	Ø 12 mm	Ø 16 mm
<b>ZA 5746-01</b>	<b>ZA 5746-02</b>	<b>ZA 5746-03</b>	<b>ZA 5746-04</b>	<b>ZA 5746-05</b>	<b>ZA 5746-06</b>	<b>ZA 5746-07</b>	<b>ZA 5746-08</b>	<b>ZA 5746-09</b>



1:3

Bohrapparat mit umstellbarem Handgriff:  
*Hand drill with adjustable handle:*

**ZA 5746-50**

1 Dreibackenspannfutter  
*1 Three-jaw-chuck*  
1 Schlüssel  
*1 Wrench*



Handgriff mit Jacobs-Spannfutter  
0,5 - 7 mm und Spanschlüssel, allein  
*Handle with Jacobs chuck 0.5 - 7 mm  
and wrench, only*

**ZA 5747-01**



Spanschlüssel, allein  
*Wrench, only*

**ZA 5747-11**



Reibahlen  
Reamers

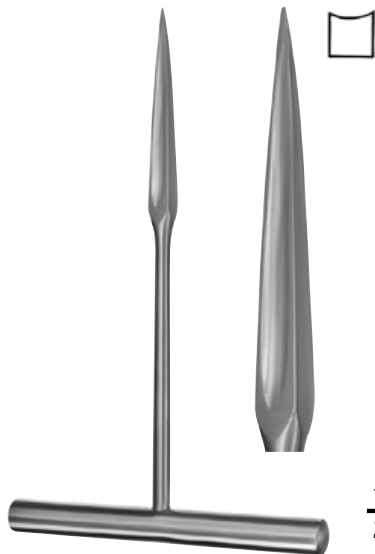


14 cm – 5½"  
ZA 5749-06



21 cm – 8¼"  
ZA 5749-11

PERTHES



14 cm – 5½"  
ZA 5749-19

# Bohrdrähte, Steinmann-Nägel Drill Wires, Steinmann Pins



Trokarspitze, mit flachem Ende  
(Verpackungseinheit à 10 Stück)  
Trocar point, with flat shaft  
(Packing unit 10 pieces)

1:1  
KIRSCHNER

Ø mm	Länge Length			
	60 mm – 2½"	100 mm – 4"	155 mm – 6"	310 mm – 12¼"
0,8	<b>ZA 5750-08</b>	<b>ZA 5751-08</b>	<b>ZA 5754-08</b>	<b>ZA 5755-08</b>
1	<b>ZA 5750-10</b>	<b>ZA 5751-10</b>	<b>ZA 5754-10</b>	<b>ZA 5755-10</b>
1,1	<b>ZA 5750-11</b>	<b>ZA 5751-11</b>	<b>ZA 5754-11</b>	<b>ZA 5755-11</b>
1,2	<b>ZA 5750-12</b>	<b>ZA 5751-12</b>	<b>ZA 5754-12</b>	<b>ZA 5755-12</b>
1,4	<b>ZA 5750-14</b>	<b>ZA 5751-14</b>	<b>ZA 5754-14</b>	<b>ZA 5755-14</b>
1,5	<b>ZA 5750-15</b>	<b>ZA 5751-15</b>	<b>ZA 5754-15</b>	<b>ZA 5755-15</b>
1,6	<b>ZA 5750-16</b>	<b>ZA 5751-16</b>	<b>ZA 5754-16</b>	<b>ZA 5755-16</b>
1,7	<b>ZA 5750-17</b>	<b>ZA 5751-17</b>	<b>ZA 5754-17</b>	<b>ZA 5755-17</b>
1,8	<b>ZA 5750-18</b>	<b>ZA 5751-18</b>	<b>ZA 5754-18</b>	<b>ZA 5755-18</b>
1,9	<b>ZA 5750-19</b>	<b>ZA 5751-19</b>	<b>ZA 5754-19</b>	<b>ZA 5755-19</b>
2	<b>ZA 5750-20</b>	<b>ZA 5751-20</b>	<b>ZA 5754-20</b>	<b>ZA 5755-20</b>
2,2	<b>ZA 5750-22</b>	<b>ZA 5751-22</b>	<b>ZA 5754-22</b>	<b>ZA 5755-22</b>
2,5	<b>ZA 5750-25</b>	<b>ZA 5751-25</b>	<b>ZA 5754-25</b>	<b>ZA 5755-25</b>
2,8	<b>ZA 5750-28</b>	<b>ZA 5751-28</b>	<b>ZA 5754-28</b>	<b>ZA 5755-28</b>
3	<b>ZA 5750-30</b>	<b>ZA 5751-30</b>	<b>ZA 5754-30</b>	<b>ZA 5755-30</b>



ZIMAIZ  
INTERNATIONAL



Trokarspitze, mit rundem Ende  
(Verpackungseinheit à 10 Stück)  
Trocar point, with round shaft  
(Packing unit 10 pieces)

1:1

Ø mm	Länge Length			
	60 mm – 2½"	100 mm – 4"	155 mm – 6"	310 mm – 12¼"
0,8	<b>ZA 5750-38</b>	<b>ZA 5751-38</b>	<b>ZA 5754-38</b>	<b>ZA 5755-38</b>
1	<b>ZA 5750-40</b>	<b>ZA 5751-40</b>	<b>ZA 5754-40</b>	<b>ZA 5755-40</b>
1,1	<b>ZA 5750-41</b>	<b>ZA 5751-41</b>	<b>ZA 5754-41</b>	<b>ZA 5755-41</b>
1,2	<b>ZA 5750-42</b>	<b>ZA 5751-42</b>	<b>ZA 5754-42</b>	<b>ZA 5755-42</b>
1,4	<b>ZA 5750-44</b>	<b>ZA 5751-44</b>	<b>ZA 5754-44</b>	<b>ZA 5755-44</b>
1,5	<b>ZA 5750-45</b>	<b>ZA 5751-45</b>	<b>ZA 5754-45</b>	<b>ZA 5755-45</b>
1,6	<b>ZA 5750-46</b>	<b>ZA 5751-46</b>	<b>ZA 5754-46</b>	<b>ZA 5755-46</b>
1,7	<b>ZA 5750-47</b>	<b>ZA 5751-47</b>	<b>ZA 5754-47</b>	<b>ZA 5755-47</b>
1,8	<b>ZA 5750-48</b>	<b>ZA 5751-48</b>	<b>ZA 5754-48</b>	<b>ZA 5755-48</b>
1,9	<b>ZA 5750-49</b>	<b>ZA 5751-49</b>	<b>ZA 5754-49</b>	<b>ZA 5755-49</b>
2	<b>ZA 5750-50</b>	<b>ZA 5751-50</b>	<b>ZA 5754-50</b>	<b>ZA 5755-50</b>
2,2	<b>ZA 5750-52</b>	<b>ZA 5751-52</b>	<b>ZA 5754-52</b>	<b>ZA 5755-52</b>
2,5	<b>ZA 5750-55</b>	<b>ZA 5751-55</b>	<b>ZA 5754-55</b>	<b>ZA 5755-55</b>
2,8	<b>ZA 5750-58</b>	<b>ZA 5751-58</b>	<b>ZA 5754-58</b>	<b>ZA 5755-58</b>
3	<b>ZA 5750-60</b>	<b>ZA 5751-60</b>	<b>ZA 5754-60</b>	<b>ZA 5755-60</b>

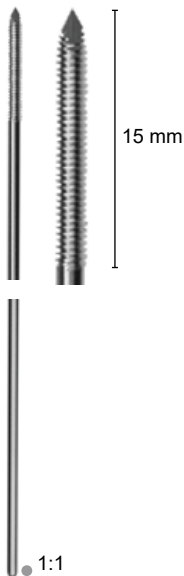


# Bohrdrähte, Steinmann-Nägel Drill Wires, Steinmann Pins



Trokarspitze, mit Trokarende  
(Verpackungseinheit à 10 Stück)  
*Trocar point, with trocar shaft*  
(Packing unit 10 pieces)

Ø mm	Länge Length		
	100 mm – 4"	155 mm – 6"	310 mm – 12¼"
0,8	<b>ZA 5756-08</b>	<b>ZA 5756-38</b>	<b>ZA 5756-68</b>
1	<b>ZA 5756-10</b>	<b>ZA 5756-40</b>	<b>ZA 5756-70</b>
1,1	<b>ZA 5756-11</b>	<b>ZA 5756-41</b>	<b>ZA 5756-71</b>
1,2	<b>ZA 5756-12</b>	<b>ZA 5756-42</b>	<b>ZA 5756-72</b>
1,4	<b>ZA 5756-14</b>	<b>ZA 5756-44</b>	<b>ZA 5756-74</b>
1,5	<b>ZA 5756-15</b>	<b>ZA 5756-45</b>	<b>ZA 5756-75</b>
1,6	<b>ZA 5756-16</b>	<b>ZA 5756-46</b>	<b>ZA 5756-76</b>
1,7	<b>ZA 5756-17</b>	<b>ZA 5756-47</b>	<b>ZA 5756-77</b>
1,8	<b>ZA 5756-18</b>	<b>ZA 5756-48</b>	<b>ZA 5756-78</b>
1,9	<b>ZA 5756-19</b>	<b>ZA 5756-49</b>	<b>ZA 5756-79</b>
2	<b>ZA 5756-20</b>	<b>ZA 5756-50</b>	<b>ZA 5756-80</b>
2,2	<b>ZA 5756-22</b>	<b>ZA 5756-52</b>	<b>ZA 5756-82</b>
2,5	<b>ZA 5756-25</b>	<b>ZA 5756-55</b>	<b>ZA 5756-85</b>
2,8	<b>ZA 5756-28</b>	<b>ZA 5756-58</b>	<b>ZA 5756-88</b>
3	<b>ZA 5756-30</b>	<b>ZA 5756-60</b>	<b>ZA 5756-90</b>



Trokarspitze, mit Gewinde  
(Verpackungseinheit à 10 Stück)  
*Trocar point, with thread*  
(Packing unit 10 pieces)

Ø mm	Länge Length	
	155 mm – 6"	310 mm – 12¼"
1,2	<b>ZA 5754-72</b>	<b>ZA 5755-72</b>
1,4	<b>ZA 5754-74</b>	<b>ZA 5755-74</b>
1,6	<b>ZA 5754-76</b>	<b>ZA 5755-76</b>
1,8	<b>ZA 5754-78</b>	<b>ZA 5755-78</b>
2	<b>ZA 5754-80</b>	<b>ZA 5755-80</b>
2,2	<b>ZA 5754-82</b>	<b>ZA 5755-82</b>
2,5	<b>ZA 5754-85</b>	<b>ZA 5755-85</b>

# Bohrdrähte, Steinmann-Nägel Drill Wires, Steinmann Pins



Lanzenspitze  
(Verpackungseinheit à 10 Stück)  
Lance point  
(Packing unit 10 pieces)

	Länge Length
Ø mm	310 mm – 12¼"
0,8	<b>ZA 5758-08</b>
0,9	<b>ZA 5758-09</b>
1	<b>ZA 5758-10</b>
1,1	<b>ZA 5758-11</b>
1,2	<b>ZA 5758-12</b>
1,3	<b>ZA 5758-13</b>
1,4	<b>ZA 5758-14</b>
1,5	<b>ZA 5758-15</b>
1,6	<b>ZA 5758-16</b>
1,7	<b>ZA 5758-17</b>
1,8	<b>ZA 5758-18</b>
1,9	<b>ZA 5758-19</b>
2	<b>ZA 5758-20</b>
2,2	<b>ZA 5758-22</b>
2,4	<b>ZA 5758-24</b>
2,5	<b>ZA 5758-25</b>
2,6	<b>ZA 5758-26</b>
2,8	<b>ZA 5758-28</b>
3	<b>ZA 5758-30</b>

1:1



Trokarspitze, mit 3-kant Ende  
Trocar point, with triangular end

Länge Length	Ø 4 mm	Ø 4,5 mm	Ø 5 mm
8 cm	<b>ZA 5784-08</b>	<b>ZA 5785-08</b>	<b>ZA 5786-08</b>
10 cm	<b>ZA 5784-10</b>	<b>ZA 5785-10</b>	<b>ZA 5786-10</b>
12 cm	<b>ZA 5784-12</b>	<b>ZA 5785-12</b>	<b>ZA 5786-12</b>
14 cm	<b>ZA 5784-14</b>	<b>ZA 5785-14</b>	<b>ZA 5786-14</b>
16 cm	<b>ZA 5784-16</b>	<b>ZA 5785-16</b>	<b>ZA 5786-16</b>
18 cm	<b>ZA 5784-18</b>	<b>ZA 5785-18</b>	<b>ZA 5786-18</b>
20 cm	<b>ZA 5784-20</b>	<b>ZA 5785-20</b>	<b>ZA 5786-20</b>
22 cm	<b>ZA 5784-22</b>	<b>ZA 5785-22</b>	<b>ZA 5786-22</b>
25 cm	<b>ZA 5784-25</b>	<b>ZA 5785-25</b>	<b>ZA 5786-25</b>
30 cm	<b>ZA 5784-30</b>	<b>ZA 5785-30</b>	<b>ZA 5786-30</b>

1:1

STEINMANN



# Drahtspannzangen Wire Twisting Forceps



14 cm – 5½"  
**ZA 5760-14**



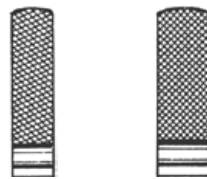
16 cm – 6¼"  
**ZA 5760-16**



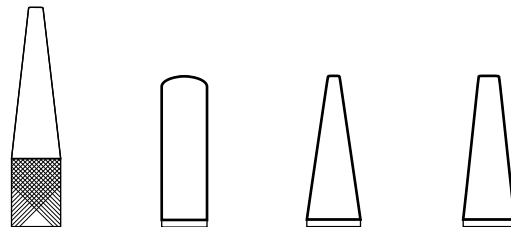
ZIMAIZ  
INTERNATIONAL



Körnung 0,5 mm  
Grit 2500 tpsi



Typ / Type	18 cm – 7"	
TC	<b>ZA 5723-18</b>	<b>ZA 5724-18</b>

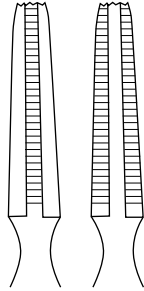


Typ / Type	18,5 cm – 7¼"	17,5 cm – 7"		
TC	<b>ZA 5761-17</b>	<b>ZA 5761-18</b>	<b>ZA 5761-19</b>	<b>ZA 5761-20</b>

# Drahtspannzangen Wire Twisting Forceps



13 cm – 5"	<b>ZA 5761-41</b>
18 cm – 7"	<b>ZA 5761-42</b>



Körnung 0,5 mm  
Grit 2500 tpsi

Typ / Type	18 cm – 7"
<b>TC</b>	<b>ZA 5761-08</b>






Typ / Type	20 cm – 8"
<b>TC</b>	<b>ZA 5761-09</b>



# ZIMAIZ INTERNATIONAL



Körnung 0,5 mm  
Grit 2500 tpsi

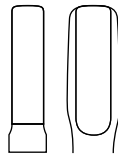
			
Typ / Type	15 cm – 6"	20 cm – 8"	15 cm – 6"
<b>TC</b>	<b>ZA 5761-10</b>	<b>ZA 5761-11</b>	<b>ZA 5761-12</b>



# Drahtfasszangen Wire Holding Forceps



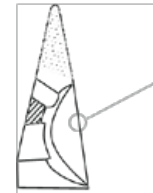
Körnung 0,5 mm  
Grit 2500 tpsi



Typ / Type	17 cm – 6¾"
TC	ZA 5761-15



Drahtschneide- und Biegezange  
Wire cutting and bending pliers



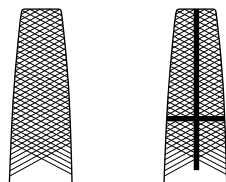
Schne / Cutting  
weich / soft  
1.5 mm

hart / hard	1.0 mm
-------------	--------

16 cm – 6¼"
<b>ZA 5759-16</b>

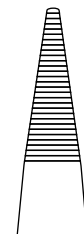


ZIMAIZ  
INTERNATIONAL



17 cm – 6¾"

<b>ZA 5761-31</b>	<b>ZA 5761-32</b>
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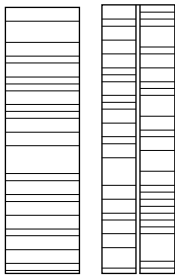
19 cm – 7½"

<b>ZA 5761-33</b>
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Flachzangen  
Flat Nose Pliers



rostfreier Stahl  
*stainless steel*

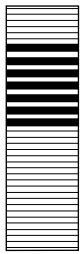


18,5 cm – 7¼"

**ZA 5764-00**



rostfreier Stahl  
*stainless steel*



18 cm – 7"

**ZA 5764-51**



ZIMAIZ  
INTERNATIONAL



18 cm – 7"

**ZA 5764-60**



# Drahtschneidezangen Wire Cutting Pliers

für weichen Knochendraht bis Ø  
für harte Bohrdrähte/Knochnägel bis Ø  
for soft bone wire with a max. diameter of  
for hard drill wires/bone nails with a max. diameter of



weich soft	Ø 2 mm
hart hard	Ø 1,5 mm

Typ / Type	15 cm – 6"
TC	ZA 5762-15



weich soft	Ø 1,7 mm
---------------	----------

Drahtschneider durchbohrt  
Cannulated wire cutter

18,5 cm – 7¼"
ZA 5762-18



weich soft	Ø 2 mm
hart hard	Ø 2 mm

16 cm – 6¼"
ZA 5762-50



weich soft	Ø 3,5 mm
hart hard	Ø 3,5 mm

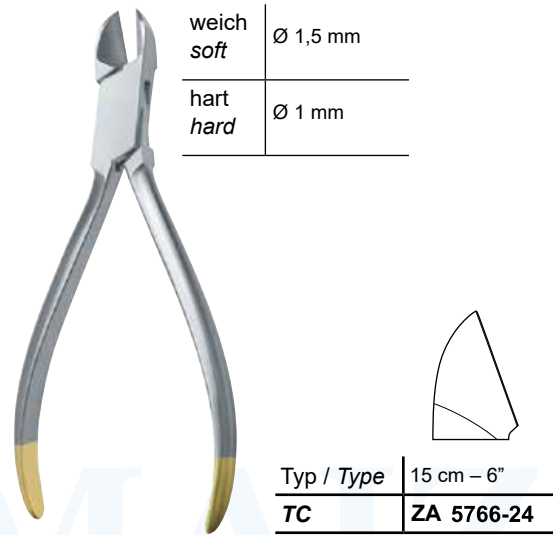
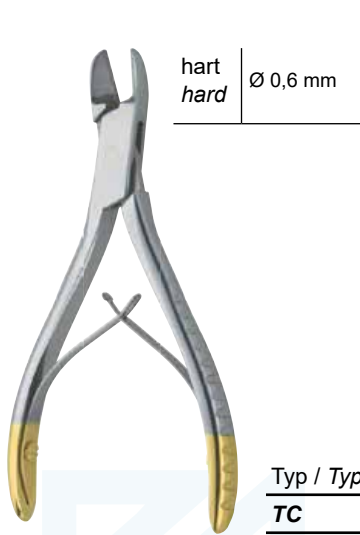
ZA

24 cm – 9½"
1:3 ZA 5765-24

# Drahtschneidezangen Wire Cutting Pliers



für weichen Knochendraht bis Ø  
für harte Bohrdrähte/Knochnägel bis Ø  
for soft bone wire with a max. diameter of  
for hard drill wires/bone nails with a max. diameter of



MODELL RUDOLF  
RUDOLF PATTERN



# Drahtschneidezangen Wire Cutting Pliers

für weichen Knochen Draht bis Ø  
für harte Bohrdrähte/Knochen Nägel bis Ø  
for soft bone wire with a max. diameter of  
for hard drill wires/bone nails with a max. diameter of



weich soft	Ø 2,5 mm
hart hard	Ø 1,5 mm

**MODELL RUDOLF  
RUDOLF PATTERN**

Typ / Type	18,5 cm – 7¼"
TC	ZA 5768-18



Bolzenschneider zum Abwickeln  
von Drähten, Schrauben und  
Nägeln bis zu Ø 6 mm  
Cutter for cutting off wires,  
bolts and pins up to Ø 6 mm



1:3



1:3

47 cm – 18½"	ZA 5767-47
54 cm – 21¼"	ZA 5767-57

1:4



Typ / Type	18 cm – 7"
TC	ZA 5769-18
weichsoft	Ø 2 mm
harthard	Ø 1,7 mm

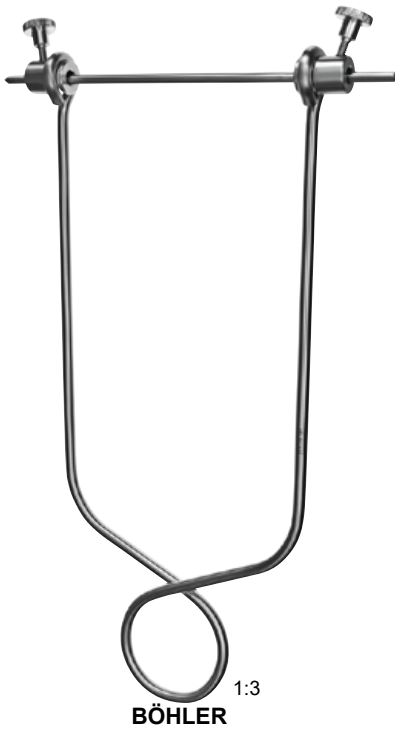
Typ / Type	22 cm – 8¾"
TC	ZA 5769-22
weichsoft	Ø 3 mm
harthard	Ø 2,5 mm



hart hard	Ø 2,2 mm
--------------	----------

1:3

Typ / Type	23,5 cm – 9¼"
TC	ZA 5769-32



mit 1 Nagel  
*with 1 pin*

für Arm  
*for arm*

16 x 9 cm – 6¼" x 3½"	<b>ZA 5770-16</b>
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für Oberschenkel und Knie  
*for thigh and knee*

21 x 11 cm – 8¼" x 4¼"	<b>ZA 5770-21</b>
------------------------	-------------------



ZIMAIZ  
INTERNATIONAL



lichte Weite  
*clear width*

18 x 10 cm – 7" x 4"	<b>ZA 5773-18</b>
27 x 16 cm – 10½" x 6¼"	<b>ZA 5773-27</b>



# Cerclage-Instrumente Cerclage Instruments

Knochendraht in  
Ringen zu 10 m  
*Bone wire  
coil of 10 m*



Ø mm	weichsoft
0,2	<b>ZA 5778-02</b>
0,3	<b>ZA 5778-03</b>
0,4	<b>ZA 5778-04</b>
0,5	<b>ZA 5778-05</b>
0,6	<b>ZA 5778-06</b>
0,7	<b>ZA 5778-07</b>
0,8	<b>ZA 5778-08</b>
0,9	<b>ZA 5778-09</b>
1,0	<b>ZA 5778-10</b>
1,2	<b>ZA 5778-12</b>
1,5	<b>ZA 5778-15</b>

Drahtspanninstrument  
*Bone wire tighteners*



21 cm – 8¼"  
**ZA 5782-00**

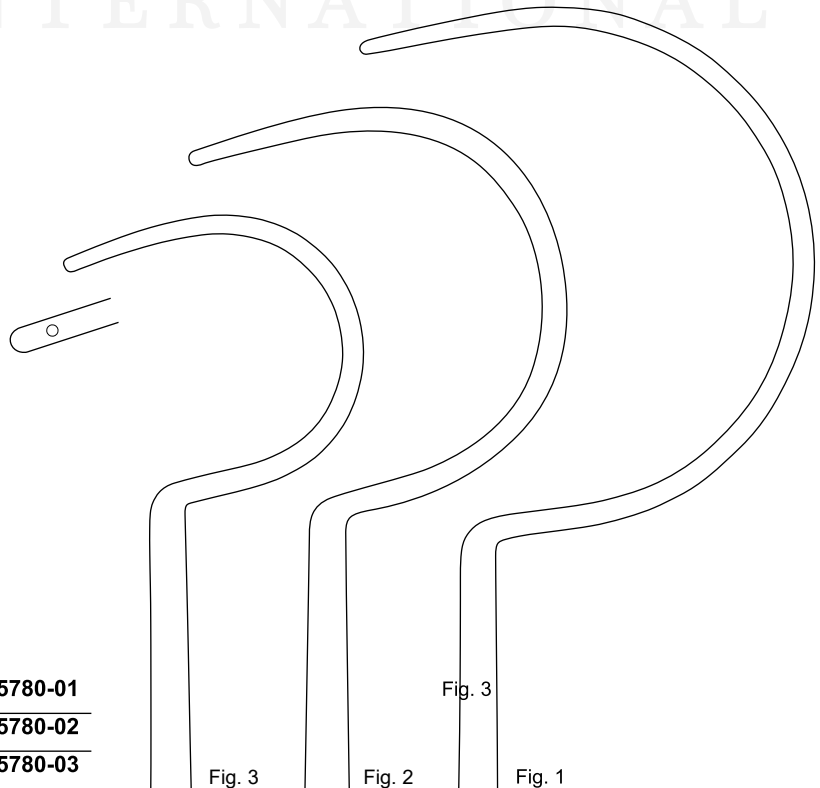
**LOUTE**

Drahtumführungsadeln  
*Bone wire guides*



1:3  
**DEMEL**

30,5 cm – 12"	Fig. 1	<b>ZA 5780-01</b>
28,5 cm – 11¼"	Fig. 2	<b>ZA 5780-02</b>
27,5 cm – 10¾"		<b>ZA 5780-03</b>





Ø 25 mm  
160 g

mit auswech selbarer  
Kunststoffbacke  
*with interchangeable  
plastic disk*

1 Ersatzbacke  
1 Spare disk

**ZA 5797-51**

18,5 cm – 7¼"

**ZA 5797-17**



Ø 30 mm  
230 g

mit auswech selbaren  
Kunststoffbacken  
*with interchangeable  
plastic disks*

Ersatzbackenpaar  
Pair of spare disks

**ZA 5798-51**

24 cm – 9½"

**ZA 5798-24**

1:3



Ø 25 mm  
135 g

mit auswech selbaren  
Kunststoffbacken  
*with interchangeable  
plastic disks*

Ersatzbackenpaar  
Pair of spare disks

**ZA 5799-51**

19 cm – 7½"

**ZA 5799-18**



Ø 30 mm  
300 g

23,5 cm – 9¼"

**ZA 5800-23**

1:3  
**BERGMANN**

ZIMAIZ  
INTERNATIONAL



# Hämmer Mallets



Ø 14 / 24 mm  
420 g

Kopf massiv, aus  
Implant-Werkstoff  
*Head massive, made  
of implantat material*

23,5 cm – 9¼"

**ZA 5801-23**

1:3



Ø 45 mm  
380 g

24 cm – 9½"

**ZA 5802-24**

1:3

**BERGMANN**



Ø 30 mm  
180 g

24 cm – 9½"

**ZA 5803-10**

Ø 40 mm  
350 g

24 cm – 9½"

**ZA 5803-35**

Ø 45 mm  
500 g

24 cm – 9½"

**ZA 5803-50**

Ø 50 mm  
700 g

24 cm – 9½"

**ZA 5803-70**



Ø 30 / 42 mm  
400 g

24 cm – 9½"

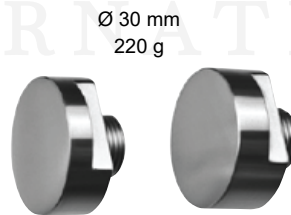
**ZA 5804-24**

# Hämmer Mallets



23,5 cm – 9¼"

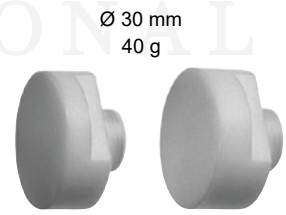
ZIMAIZ  
INTERNATIONAL



Metallbackenpaar  
Pair of metal faces

**ZA 5807-00/01**

Backen 1x konvex / 1x flach  
faces 1x convex / 1x flat



Kunststoffbackenpaar  
Pair of synthetic faces

**ZA 5807-00/02**

Backen 1x konvex / 1x flach  
faces 1x convex / 1x flat



Schlüssel  
Wrench

**ZA 5807-00/03**



# Hämmer Mallets



Ø 35 mm  
100 g

26 cm – 10¼"

**ZA 5808-01**

Ø 43 mm  
170 g

26 cm – 10¼"

**ZA 5808-02**

Ø 50 mm  
220 g

26 cm – 10¼"

**ZA 5808-03**

1:3



Ø 30 mm  
380 g

mit Kunststoffstiel  
with plastic handle

24 cm – 9½"

**ZA 5808-24**

1:3



170 g

170 g

bleigefüllt  
lead filled

23 cm – 9"

**ZA 5810-23**

**WILLIGER**



Ø 22 mm  
170 g

Ø 22 mm  
170 g

bleigefüllt  
lead filled

19 cm – 7¾"

**ZA 5812-19**



Ø 22 mm  
135 g

Ersatzbackenpaar  
Pair of spare disks

**ZA 5819-20**

19,5 cm – 9½"

**ZA 5819-19**

# Hämmer Mallets



Ø 25 mm  
220 g



19 cm – 7½"  
**ZA 5820-19**

**GERZOG**

Ø 30 mm  
240 g  
konvex / flach  
convex / flat



19 cm – 7½"  
**ZA 5809-19**

**COTTLE**

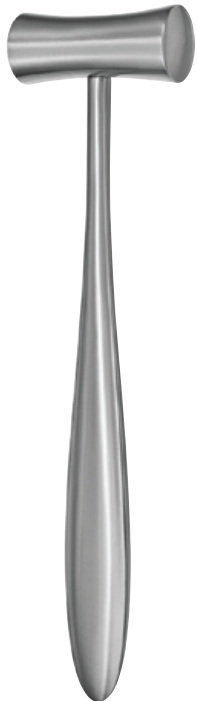
Ø 27 mm  
145 g



20 cm – 8"  
**ZA 5811-23**

**HAJEK**

Ø 19 mm  
80 g



19 cm – 7½"  
**ZA 5813-01**

**LUCAE**

Ø 25 mm  
250 g  
19 cm – 7½"  
**ZA 5813-02**

Ø 20 mm  
100 g



bleigefüllt  
lead filled  
16,5 cm – 6½"  
**ZA 5814-16**

Ø 20 mm  
75 g  
Messing  
Brass  
16,5 cm – 6½"  
**ZA 5815-16**





## Hämmer Mallets



MEAD

Ø 26 mm  
170 g

---

mit auswech selbaren  
Kunststoffbacken  
*with interchangeable  
plastic disks*

---

Ersatzbackenpaar  
*Pair of spare disks*

---

**ZA 5816-20**

---

19 cm – 7½"

---

**ZA 5816-17**

---



PARTSCH

Ø 22 mm  
115 g

---

bleigefüllt  
lead filled

18 cm – 7"

---

**ZA 5819-18**

---

ZIMAIZ  
INTERNATIONAL



Sehnedurchziehzange  
*Tendon passing forceps*

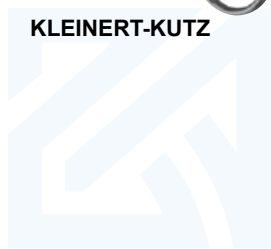
**KLEINERT-KUTZ**



leicht gebogen  
*slightly curved*

20 cm – 8"

**ZA 5827-35**



ZIMAIZ  
INTERNATIONAL



Sehnenfasszange  
*Tendon seizing forceps*

**BRAND**



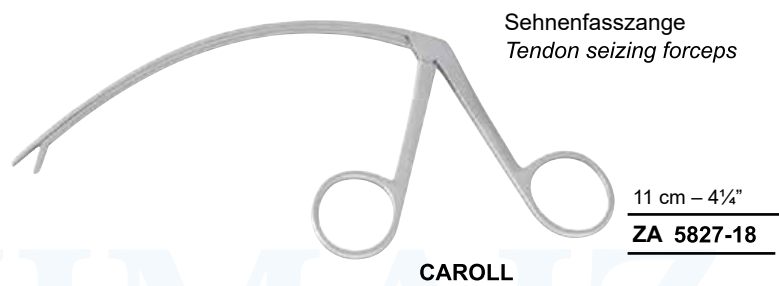
gerade  
*straight*

gebogen  
*curved*

15 cm – 6"	<b>ZA 3160-15</b>	<b>ZA 3161-15</b>
19 cm – 7½"	<b>ZA 3160-19</b>	<b>ZA 3161-19</b>
24 cm – 9½"	<b>ZA 3160-24</b>	<b>ZA 3161-24</b>



# Sehneninstrumente Tendon Instruments



15 cm – 6"  
**ZA 5827-20** | **ZA 5827-21**



Sehnscheidenhaken  
*Tendon sheath hooks*

6 x 16 mm



6 x 16 mm



gezahnt  
*toothed*

19 cm – 7½"

**ZA 4482-01**

**ZA 4482-02**

**STRANDELL-STILLE**



Sehnscheidenhaken  
*Tendon sheath hooks*

12 x 6 mm



stumpf  
*blunt*

17,5 cm – 7"

**ZA 4483-01**

**KLAPP**



ZIMAIZ  
INTERNATIONAL



1:4

Bleihand für  
Kinder  
*Lead hand for  
children*

**ZA 5822-01**

Bleihand für  
Erwachsene  
*Lead hand  
for adults*

**ZA 5822-02**



ZIMAIZ  
INTERNATIONAL