



48

Orthodontic
Kieferorthopädie
Ortodoncia
Orthodontique
Ortodontico



Surgimax
 48-101-14
 14 cm - 5½"



Langenbeck
 Fig. 1
 48-102-15
 15 cm - 6"



Langenbeck
 Fig. 2
 48-103-14
 14 cm - 5½"
 Until 0.7 mm / .028" Ø max.



Surgimax
 48-104-12
 12.5 cm - 5"



Surgimax
 48-105-13
 13 cm - 5"
 Until 0.7 mm / .028" Ø max.



Surgimax
 48-106-14
 14 cm - 5½"



Goslee
Fig. 1

48-107-14

14 cm - 5½"
Until 0.7 mm / .028" Ø max.



Goslee
Fig. 2

48-108-14

14 cm - 5½"
Until 0.7 mm / .028" Ø max.



Goslee
Fig. 3

48-109-14

14 cm - 5½"

48-110-14

14 cm - 5½"

Until 0.7 mm / .028" Ø max.

acutegrip



Surgimax

48-111-15

15 cm - 6"



Dumont
Fig. 1

48-112-11

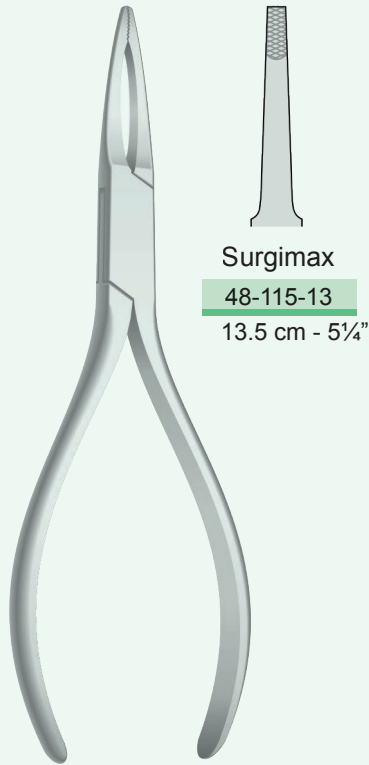
11 cm - 4½"



Dumont
Fig. 2

48-113-11

11 cm - 4½"



Surgimax
 48-115-13
 13.5 cm - 5¼"



Oliver
 48-116-13
 13 cm - 5¼"
 Until 0.7 mm / .028" Ø max.



Surgimax
 48-117-13
 13 cm - 5¼"
 Until 0.5 mm / .020" Ø max.



Surgimax
 48-118-12
 12 cm - 4¾"
 Until 0.5 mm / .020" Ø max.



Surgimax
48-119-13
13 cm - 5"



Surgimax
48-120-13
13 cm - 5"



Langenbeck
Fig. 3
48-121-14
14 cm - 5½"



Surgimax
48-122-12
12.5 cm - 5"



Surgimax
48-123-13
13 cm - 5"



Dumont
Fig. 3
48-124-11
11 cm - 4½"



Surgimax
 48-125-11
 11 cm - 4¼"



Surgimax
 48-126-12
 12.5 cm - 5"

XtremeCut



Surgimax
 48-127-13
 13 cm / 5"

XtremeCut



Surgimax
 48-128-11
 11.5 cm / 4½"

XtremeCut



Surgimax
 48-129-11
 11.5 cm / 4½"

XtremeCut



Surgimax
 48-130-15 15 cm / 6"
 48-131-15 15 cm / 6"

XtremeCut



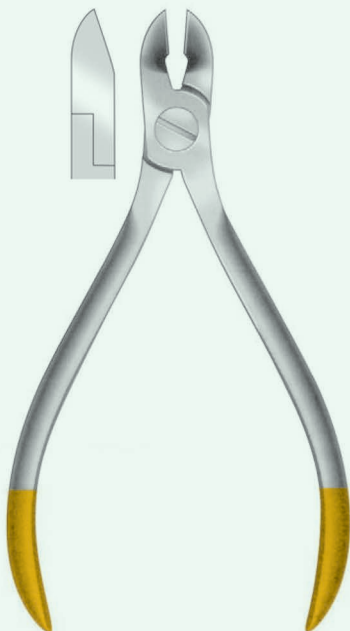
Surgimax
48-132-13
13 cm / 5¼"
Until 0.8 mm / .031" Ø max.

XtremeCut

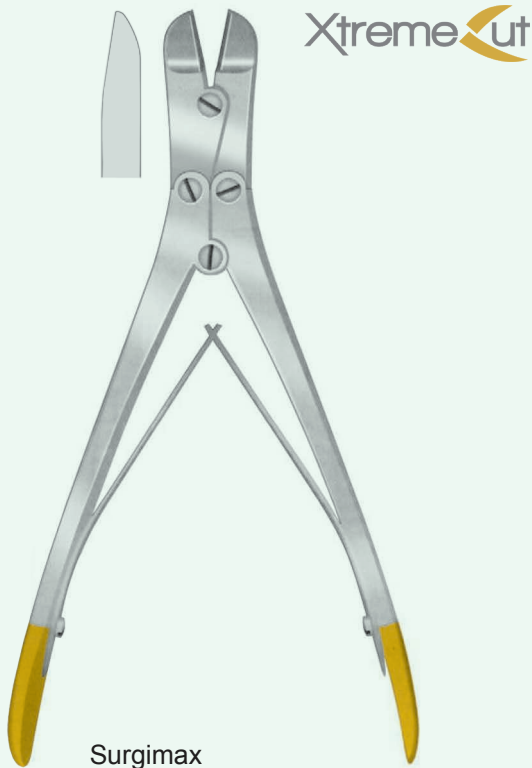


Surgimax
48-133-12
12.5 cm / 4¾"
For hard wire until 0.5 mm / .020" Ø max.
For soft wire until 0.7 mm / .028" Ø max.

XtremeCut



Surgimax
48-134-12
12 cm / 4¾"
For round wire until 0.7 mm / .028" Ø max.
For rectangular wire until 0.56 mm x 0.71 / .022 x .028" max.



Surgimax

48-135-17

17 cm / 6¾"

For hard wire until 1.5 mm / .059" Ø max.
 For soft wire until 2.0 mm / .078" Ø max.



48-136-14

14.5 cm / 5¾"

For hard wire until 2.0 mm / .078" Ø max.
 For soft wire until 1.5 mm / .059" Ø max.



Surgimax

48-137-14

14 cm / 5½"

For hard wire until 1.2 mm / .047" Ø max.



Surgimax

48-138-14

14 cm / 5½"

For hard wire min. 0.87 mm / .028" upto 1.1 mm / .047" Ø max.



Schwarz
Fig. 1

48-139-13

13 cm - 5½"
Until 0.7 mm / .028" Ø max.



Schwarz
Fig. 2

48-140-13

13 cm - 5½"
Until 0.7 mm / .028" Ø max.



Schwarz
Fig. 3

48-141-13

13 cm - 5½"
Until 0.7 mm / .028" Ø max.



Schwarz
Fig. 4

48-142-14

14.5 cm - 5¾"
Until 0.7 mm / .028" Ø max.



Fischer

48-143-14

14 cm - 5½"



McKellops

48-144-17

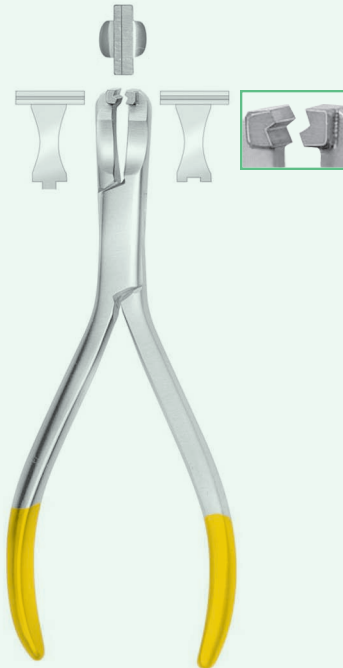
17 cm - 6¾"

acutegrip

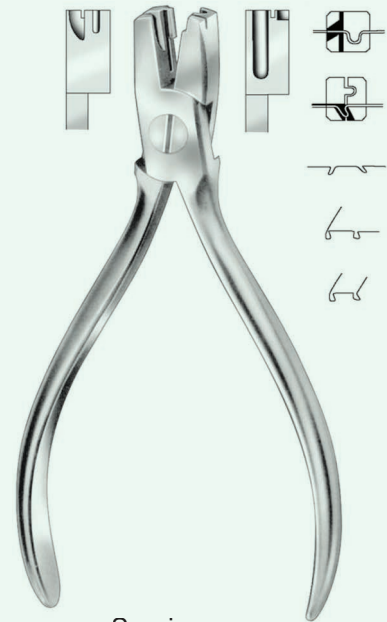


Surgimax
48-145-12
 12.5 cm / 4¾"
 Until 0.56 mm / .022" Ø max.

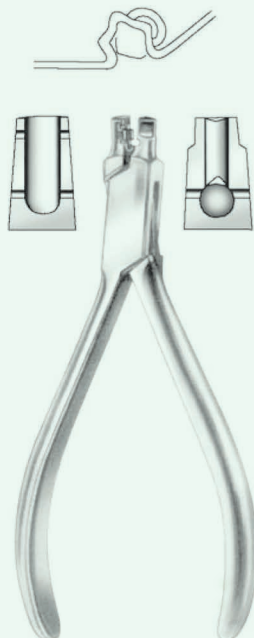
acutegrip



Surgimax
48-146-12
 12.5 cm / 4¾"
 Until 0.56 x 0.70 mm / .022" x .028" max.



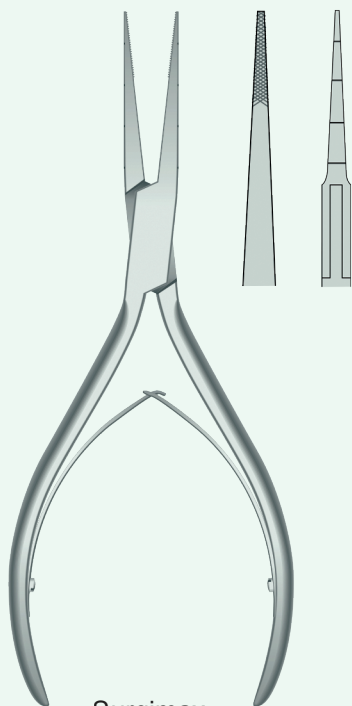
Surgimax
48-147-13
 13.5 cm - 5¼"
 Until 0.7 mm / .028" Ø max.



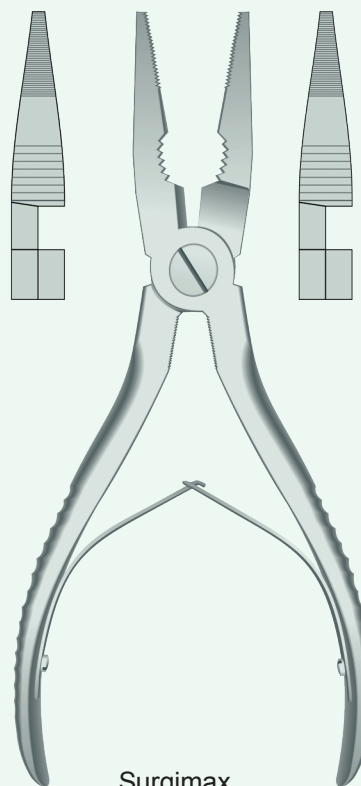
Schwarz
Fig. 5
48-148-12
 12.5 cm - 5"
 Until 0.7 mm / .028" Ø max.



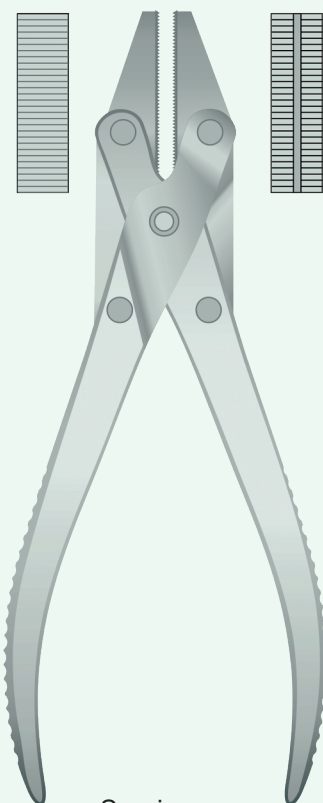
Schwarz
Fig. 6
48-149-13
 13 cm - 5"
 Until 0.7 mm / .028" Ø max.



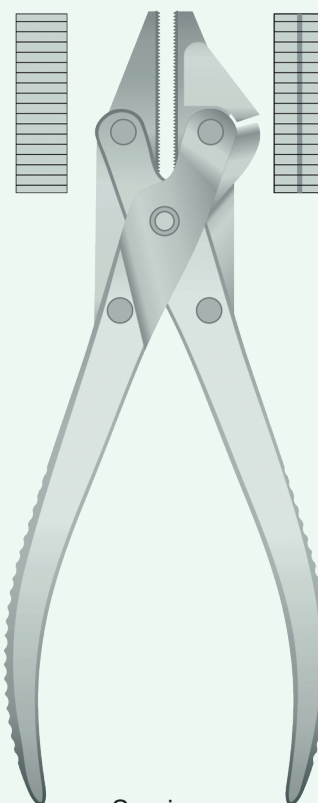
Surgimax
48-150-15
15 cm - 6"



Surgimax
48-151-17
17.5 cm - 7"



Surgimax
48-152-18
18.5 cm - 7³/₄"



Surgimax
48-153-18
18.5 cm - 7³/₄"
With side wire cutter

Wire Bending Pliers, Loop Forming Pliers
 Drahtbiegezange, Loop Formzange
 Alicates de doblado de alambre, Alicates de formación de bucle
 Pincers à cintrer les fils, pincers à former des boucles
 Pinze per piegare i fili, pinze per formatura di loop

surgimax™
 saving lives



McKellops - Stadler
 48-154-16
 16 cm - 6¼"



Stadler
 48-155-15
 15 cm - 6"



Angle / Bird beak
 48-156-12
 12.5 cm - 5"
 Until 0.7 mm / .028" Ø max.

acutegrip



Angle
 48-157-12
 12.5 cm / 5"



Anderson
 48-158-13
 13.5 cm - 5½"



Adams
 48-159-13
 13 cm - 5"
 Until 0.7 mm / .028" Ø max.



Adams Modified
Fig. 1

48-160-12

12 cm - 4³/₄"
Until 0.9 mm / .035" Ø max.



Adams Modified
Fig. 2

48-161-12

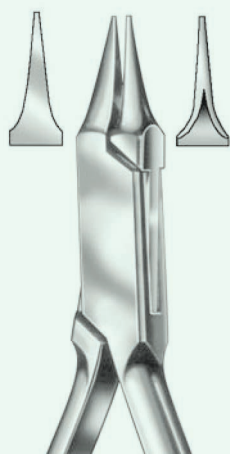
12 cm - 4³/₄"
Until 0.9 mm / .035" Ø max.



Adams Modified
Fig. 3

48-162-13

13 cm - 5"
Until 0.7 mm / .028" Ø max.



Angle Modified

48-163-12

12.5 cm - 5"
Until 0.7 mm / .028" Ø max.



acutegrip

Surgimax

48-164-14

14 cm / 5¹/₂"
Until 0.7 mm / .028" Ø max.

Wire Bending Pliers, Loop Forming Pliers
 Drahtbiegezange, Loop Formzange
 Alicates de doblado de alambre, Alicates de formación de bucle
 Pinces à cintrier les fils, pinces à former des boucles
 Pinze per piegare i fili, pinze per formatura di loop



Young

48-165-13

13 cm - 5"

For hard wire upto 0.7 mm / .028" Ø max.



Tweed
 Fig. 1

48-166-13

13.5 cm - 5½"



Tweed
 Fig. 2

48-167-13

13.5 cm - 5½"

For hard wire upto 0.6 mm / .024" Ø max.



De La Rosa
 Fig. 1

48-168-12

12.5 cm - 5"



De La Rosa
 Fig. 2

48-169-12

12.5 cm - 5"



Jarabak

48-170-14

14 cm - 5½"

For hard wire upto 0.5 mm / .020" Ø max.

acutegrip



De La Rosa

48-171-12

12 cm - 4¾"
Precision machine grooves measure
0.41 mm / .016" Ø
0.46 mm / .018" Ø
0.56 mm / .022" Ø

acutegrip



De La Rosa

48-172-12

12 cm - 4¾"
For round, square & rectangular
wires upto 0.5 mm / .020" Ø

acutegrip



Jarabak

48-173-13

13 cm - 5"
For round, square & rectangular
wires upto 0.5 mm / .020" Ø



Jarinda

48-174-12

12.5 cm - 5"
Until 0.8 mm / .031" Ø max.



Malotky

48-175-20

20.5 cm - 8"
For hard wire until 3.0 x 1.5 mm / .059" max.

Wire Bending Pliers, Loop Forming Pliers
 Drahtbiegezange, Loop Formzange
 Alicates de doblado de alambre, Alicates de formación de bucle
 Pincers à cintrer les fils, pincers à former des boucles
 Pinze per piegare i fili, pinze per formatura di loop

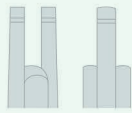


Aderer

48-176-14

14 cm - 5½"

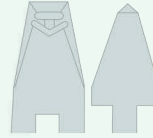
For hard wire upto 1.5 mm / .059" Ø max.



Koehler

48-177-12

12 cm - 4¾"



Surgimax

48-178-14

14 cm - 5½"



Aderer
 Fig. 1

48-179-11 11.5 cm - 4½"

48-180-12 12 cm - 4¾"

For hard wire upto 0.7 mm / .028" Ø max.



Aderer
 Fig. 2

48-181-13

13 cm - 5¼"





Angle
Fig. 1
48-182-13
13 cm - 5"



Angle
Fig. 2
48-183-13
13 cm - 5"



Waldsachs-Universal
48-184-15
15.5 cm - 6"
Bends: hard wire upto
1.0 mm / .039" Ø max.
Cuts: hard wire upto
0.7 mm / .028" Ø max.



Universal
48-185-15 15.5 cm - 6"
48-186-17 17.5 cm - 6¾"
Bends: hard wire upto
0.9 mm / .035" Ø max.
Cuts: hard wire upto
0.7 mm / .028" Ø max.



Universal

48-187-15 15.5 cm - 6"

48-188-17 17.5 cm - 6¾"

Bends: hard wire upto
 0.9 mm / .035" Ø max.
 Cuts: hard wire upto
 0.7 mm / .028" Ø max.



Universal

48-189-17

17.5 cm - 6¾"

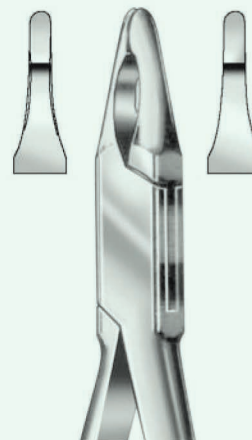
Bends: hard wire upto
 0.9 mm / .035" Ø max.
 Cuts: hard wire upto
 0.7 mm / .028" Ø max.



Johnson
Fig. 1

48-190-13

13.5 cm - 5½"



Johnson
Fig. 2

48-191-13

13.5 cm - 5½"



Weingart
Fig. 1
48-192-14
14 cm - 5½"



Weingart
Fig. 2
48-193-13
13 cm - 5"

acutegrip



Weingart
Fig. 3
48-194-14
14 cm - 5½"

acutegrip



Weingart
Fig. 4
48-195-13
13 cm - 5"
To hold round, square and rectangular wires upto
0.56 mm x 0.70 mm 0.22" x .028"



Weingart
Fig. 5
48-196-13
13.5 cm - 5"
To hold round, square and rectangular wires upto
0.56 mm x 0.70 mm 0.22" x .028"



Weingart
Fig. 6
48-197-13
13.5 cm - 5"
To hold round, square and rectangular wires upto
0.56 mm x 0.70 mm 0.22" x .028"

Wire Seizing And Ligature Pliers
 Draht ergreifen und Ligaturzange
 Alicates de agarre y ligadura de alambre
 Pinces à ligaturer et à ligaturer
 Pinze per legare e legare il filo



Korkhaus
48-198-16
 16.5 cm - 6½"



Surgimax
48-199-15
 15 cm - 6"
 To hold round, square and
 rectangular wires upto
 0.56 mm x 0.70 mm 0.22" x .028"

Ligature Cutters And Distal End Cutters
 Ligaturschneider und distale Endschneider
 Cortadores de ligadura y cortadores de extremo distal
 Coupe-ligatures et coupe-extrémités distaux
 Frese per legature e frese per estremità distali



Angle
Fig. 1
48-200-13
 13 cm - 5"
 For wire upto 0.3 mm / .012" Ø max.



Angle
Fig. 2
48-201-13
 13 cm - 5"
 For wire upto 0.4 mm / .016" Ø max.

XtremeCut



Surgimax

48-202-16

16.5 cm - 6½"

For soft wire from min. 0.25 mm / 0.10"
until 0.36 mm / .014" Ø max.

XtremeCut



Surgimax

48-203-12

12.5 cm - 4"

For soft wire from min. 0.25 mm / 0.10"
until 0.36 mm / .014" Ø max.

XtremeCut



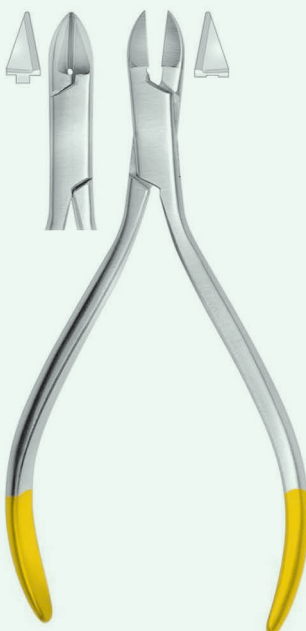
Surgimax

48-204-12

12.5 cm - 4"

For soft wire from min. 0.25 mm / 0.10"
until 0.36 mm / .014" Ø max.

XtremeCut



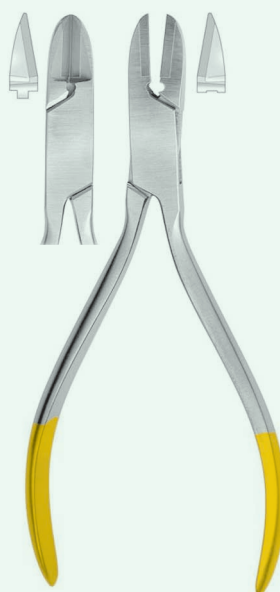
Surgimax

48-205-12

12.5 cm - 4"

For soft wire from min. 0.25 mm / 0.10"
until 0.40 mm / .016" Ø max.

XtremeCut



Surgimax

48-206-12

12.5 cm - 4"

For hard wire from min. 0.40 mm / 0.16"
until 0.60 mm / .024" Ø max.

For soft wire from min. 0.56 mm / 0.22"
until 0.70 mm / .028" Ø max.

XtremeCut



Surgimax

48-207-12

12.5 cm - 5"
 For hard wire from min. 0.36 mm / 0.14"
 until 0.46 mm / .018" Ø max.
 For soft wire from min. 0.30 mm / 0.12"
 until 0.64 mm / .025" Ø max.

XtremeCut



Surgimax

48-208-14

14 cm - 5½"
 For hard wire from min. 0.46 mm / 0.18"
 until 0.50 mm / .020" Ø max.
 For steel wire from min. 0.40 x 0.40 mm / 0.16" x 0.16"
 until 0.43 x 0.64 mm / .017 x .025" Ø max.

Arch Forming And Torquing Pliers
 Arch Forming And Torquing Zangen
 Alicates de formación de arco y torsión
 Arch formant et pinces de serrage
 Pinza per formare e stringere l'arco



Angle
 Fig. 3

48-209-12

12 cm - 4¾"
 For hard wire up to 0.7 mm / 0.28"



Angle / Tweed
 Fig. 4

48-210-12

12 cm - 4¾"
 Bends round, square and rectangular wires
 up to 0.56 mm x 0.7 mm / 0.20" x 0.28"



Humborg
48-211-13
13 cm - 5"



Surgimax
48-212-13
13.5 cm - 5"



Oliver
48-213-13
13.5 cm - 5"

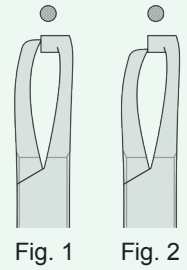


Fig. 1 Fig. 2

Oliver

48-214-01 Fig. 1

48-215-02 Fig. 2

14 cm - 5½"



48-216-00

Nylon replacement tip
1 piece

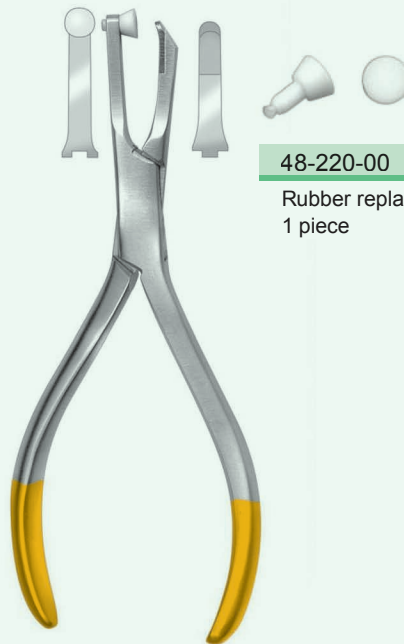


48-218-00

Replacement tip
1 piece

Surgimax
48-217-13
13.5 cm - 5"

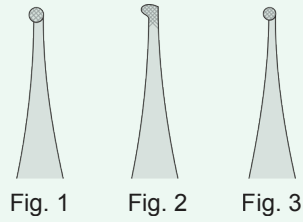
acutegrip



48-220-00

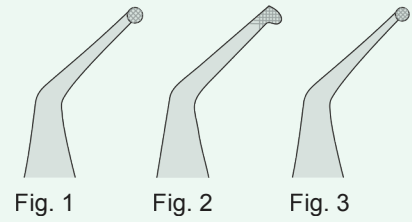
Rubber replacement tip
1 piece

Oliver
48-219-13
13.5 cm - 5"



How

48-221-14	14.5 cm - 5¾"	Fig. 1
48-222-14	14.5 cm - 5¾"	Fig. 2
48-223-14	14.5 cm - 5¾"	Fig. 3



How

48-224-14	14.5 cm - 5¾"	Fig. 1
48-225-14	14.5 cm - 5¾"	Fig. 2
48-226-14	14.5 cm - 5¾"	Fig. 3



Simon

48-227-13

13 cm - 5"



Surgimax

48-228-13

13 cm - 5"

acutegrip



Surgimax

48-229-12

12 cm - 4³/₄"



Surgimax

48-230-13

13 cm - 5"



Dr. Wilhelmy

48-231-17

17 cm - 6³/₄"



Surgimax

48-232-13

13.5 cm - 5¹/₂"



Peeso
48-233-12
 12 cm - 4¾"



Peeso
48-234-13
 13.5 cm - 5¼"



Peeso
48-235-14
 14 cm - 5½"



Frevert
48-236-12
 12 cm - 4¾"



Triplex
48-237-14
 14 cm - 5½"



Reynold
48-238-13
 13 cm - 5"



48-239-14
 18.5 cm - 7¾"
 Until 1.6 mm / .063" Ø max.



Gordon
48-240-14
14 cm - 5½"



Johnson
48-241-13
13.5 cm - 5¼"



Abell
48-242-13
13 cm - 5"



Nance
48-243-12
12.5 cm - 5"



Surgimax
48-244-00
16 cm - 6¼"



Surgimax
48-245-00
16 cm - 6¼"



48-246-00

Wire cutter 15° tip
Soft wire until .015" Ø max.



48-247-00

Hard wire cutter 15° tip
Soft wire until .020" Ø max.



Micro - Miniature

48-248-00

Light wire cutter
Wire until .012" Ø max.



48-249-00

Hard wire cutter
Soft wire until .022" x 0.28" Ø max.



48-250-00

Light Wire plier
until .016" Ø max.



48-251-00

Cinch back plier
Until .028" max.



48-252-00

Three jaw plier
Until .030" max.



Jaraback
48-253-00

For bending lighter wires
Until .022" max.



48-254-00

Distal end cutter - Flush cut with safety hold
Wire until .022" x 0.28" max.



48-255-00

Distal end cutter - Safety hold
Wire until .022" x 0.28" max.



48-256-00

Small distal end cutter
Wire until .022" x 0.28" max.



48-257-00

Long handle distal end cutter
Wire until .022" x 0.28" max.



48-258-00

Pin and ligature cutter
Soft wire until .015" Ø max.



48-259-00

Mini pin and ligature cutter
Soft wire until .012" max.



48-260-00

Ligature cutter 45°
Soft wire until .015" Ø max.



48-261-00
Ball hook crimping
pliers



48-262-00
Angled dall hook
crimping pliers



48-263-00
Detailing step pliers



Hollow Chop
48-264-00
Arch forming pliers



Stop (V-Bend) Pliers
48-265-00
Long handle distal end cutter
Archwire until .020" max.



48-266-00
Nance loop forming pliers



48-267-00
Loop forming pliers
Tweed style



Omega
48-268-00
Loop forming pliers
Tweed style



48-269-00
Acrylic debonding pliers



48-270-00
Lingual arch forming pliers



Omega
48-271-00
Rectangular arch forming pliers

Utility And Band Removing Pliers
Dienstprogramm und Band entfernen Zangen
Alicates para quitar herramientas y bandas
Utilitaire et pince à enlever les pinces
Utility e fascia che rimuove le pinze

surgimax[™]
saving lives



How Style

48-272-00

Straight utility pliers



How Style

48-273-00

Offset utility pliers



Surgimax

48-274-00

Bird beak pliers



Weingart

48-275-00

Utility pliers



Weingart Style, slim tips

48-276-00

Utility pliers



48-277-00
Band seating pliers



48-278-00
Angled direct bond remover



Omega
48-279-00
Direct bond remover
Wide



48-280-00
Posterior band remover
Long



48-281-00
Direct bond bracket remover



Fig. 1
 48-282-11
 11.5 cm - 4½"



Fig. 2
 48-283-13
 13.5 cm - 5½"



Fig. 3
 48-284-11
 11.5 cm - 4½"



Fig. 4
 48-285-13
 13 cm - 5"



Fig. 5
 48-286-13
 13 cm - 5"



Fig. 6
 48-287-14
 14 cm - 5½"



Fig. 7
 48-288-14
 14 cm - 5½"
 2.5 mm tip



Fig. 8
 48-289-14
 14.5 cm - 5¾"
 3.0 mm tip



Fig. 9
 48-290-13
 13.5 cm - 5½"



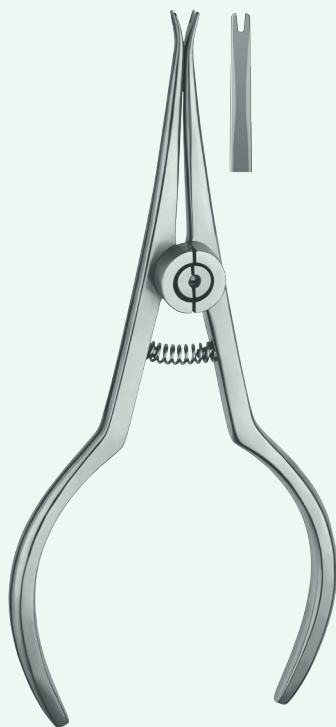
Fig. 10
 48-291-13
 13.5 cm - 5½"



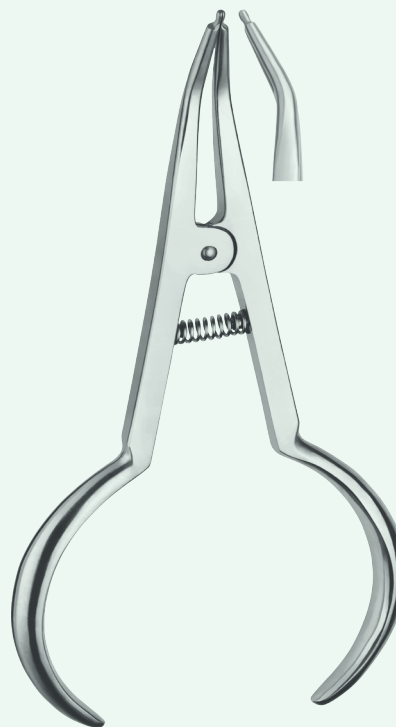
Fig. 11
 48-292-11
 11 cm - 4½"



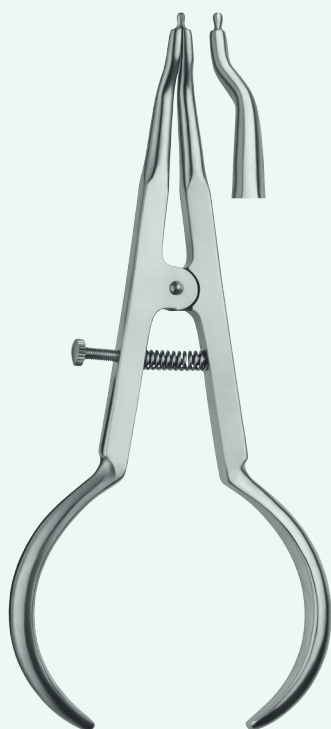
Fig. 12
 48-293-13
 13.5 cm - 5½"



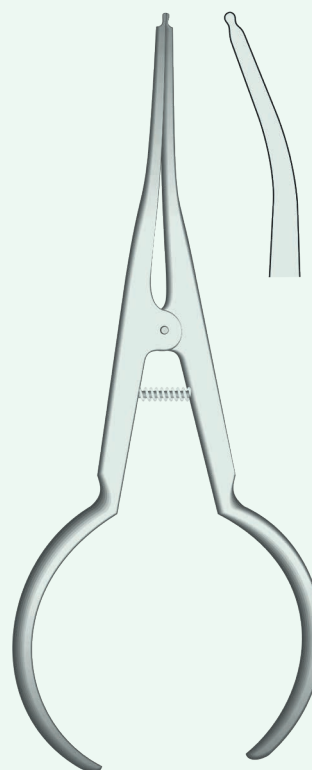
Coon
48-294-15
15.5 cm - 6¼"



Surgimax
48-295-15
15.5 cm - 6¼"



Ecker
48-296-16
16.5 cm - 6½"



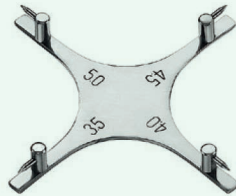
Surgimax
48-297-17
17 cm - 6¾"



Bracket Height Gauge - Swivel Head

48-298-00

For four bracket height dimensions
 3.5, 4.0, 4.5 and 5.0 mm



48-299-00

Bracket positioning
 gauge



Dynamometer

48-300-00

For measuring tensile and compression forces
 up to max. 16 oz. (453 gm)



Positioning Gauge

Fig. 1

48-301-13 13 cm - 5" Stainless Steel

48-302-13 13 cm - 5" Aluminium

0.18" Slot



Positioning Gauge

Fig. 2

48-303-13 13 cm - 5" Stainless Steel

48-304-13 13 cm - 5" Aluminium

0.22" Slot



Bracket Placer

48-305-17

17 cm - 5½"



Band Pusher

	48-306-13	13.5 cm - 5½"
	48-307-13	13.5 cm - 5½"
	48-308-13	13.5 cm - 5½"
	48-309-13	13.5 cm - 5½"
	48-310-13	13.5 cm - 5½"
	48-311-13	13.5 cm - 5½"
	48-312-13	13.5 cm - 5½"



Manual Interdental
Stripper
48-313-00



Niti Ice
Instrument
48-314-00



Mershon
48-315-14
14 cm - 5½"



Band Setter
48-316-15
15 cm - 6"

0.56 mm



0.64 mm



0.41 mm

● Ø 5.5 mm

48-317-00



0.41 mm

● Ø 5.5 mm

48-318-00



Distal Bander

48-319-00

Double ended for wire upto
 0.56 mm / .022" and 0.76 mm / .030"

48-320-00

Single ended for wire upto
 0.56 mm / .022"

48-321-00

Single ended for wire upto
 0.76 mm / .030"

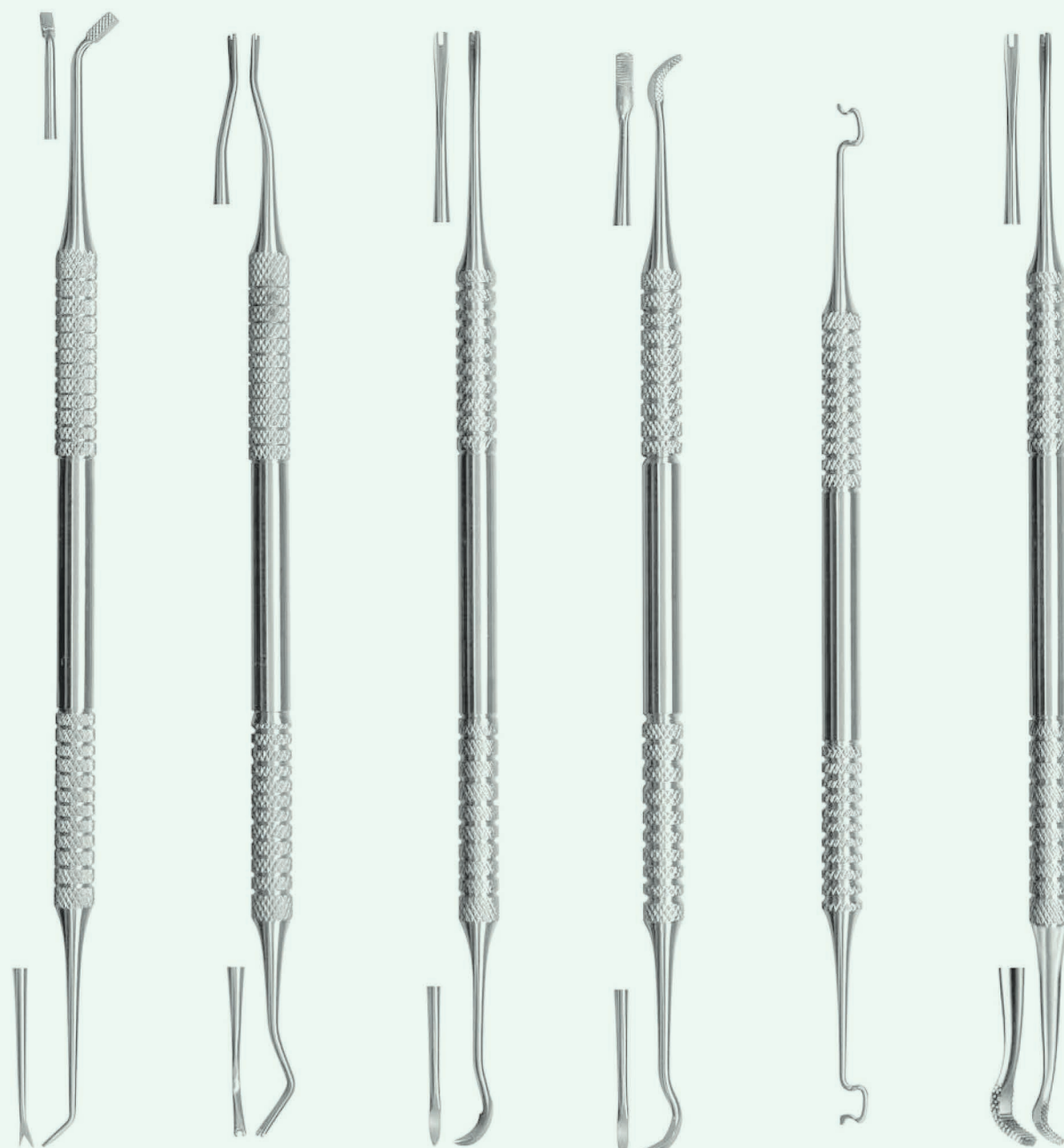


Turrets

48-322-00 Aluminium

48-323-00 Stainless Steel

For forming archwires
 without torque, for wires 0.16" to 0.22"
 (0.41 mm to 0.56 mm)



● Ø 6.0 mm

Surgimax
48-324-00

Ligature tucker
with band pusher

Surgimax
48-325-00

Ligature tucker

Surgimax
48-326-00

Ligature tucker
with scaler

Surgimax
48-327-00

Scaler

Surgimax
48-328-00

For placing
Dentalastics

Surgimax
48-329-00

Ligature tucker



● Ø 5.5 mm

Wilhelmy
 48-330-16

16 cm - 6¼"
 Open Coil Tucker

Wilhelmy
 48-331-15

15 cm - 6"

Wilhelmy
 48-332-15

15 cm - 6"

Wilhelmy
 48-333-17

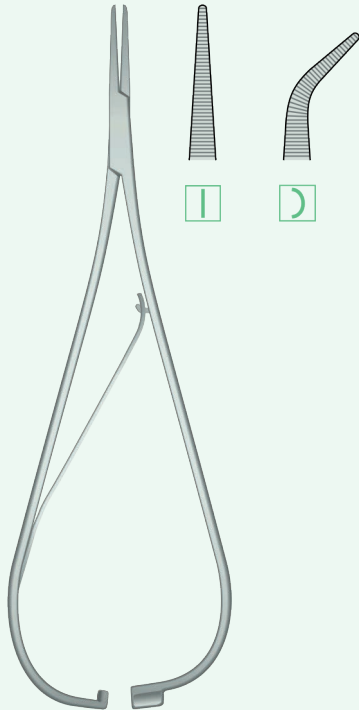
17 cm - 6¾"

Wilhelmy
 48-334-17

17 cm - 6¾"

48-335-00

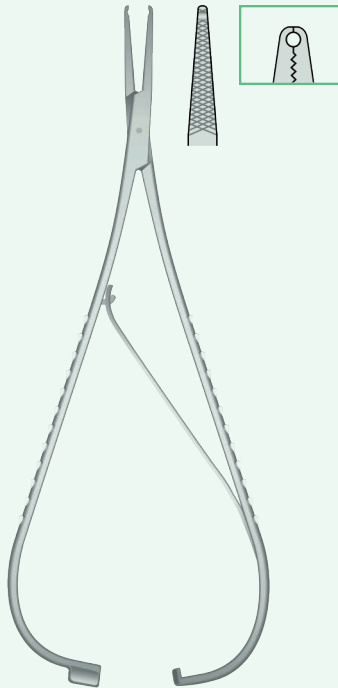
Wire bending instrument
 Until 0.56 x 0.7 mm /
 .022 x .028" max.



Smaha

48-336-14 14 cm / 5½"

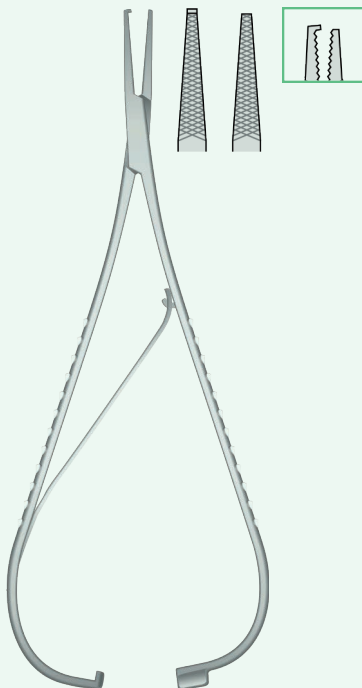
48-337-14 14 cm / 5½"



Smaha

48-338-13

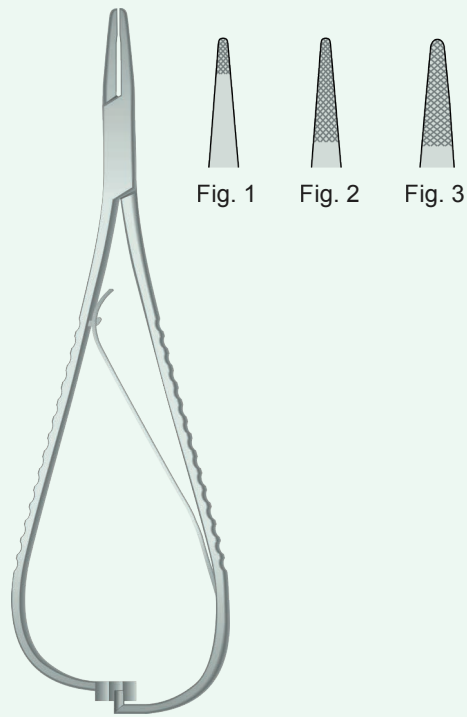
13.5 cm - 5¼"
Hole tip



Smaha

48-339-13

13.5 cm - 5¼"
Hook tip



Mathieu - Slim Tip

48-340-14 14 cm / 5½" Fig. 1

48-341-14 14 cm / 5½" Fig. 2

48-342-14 14 cm / 5½" Fig. 3

acutegrip



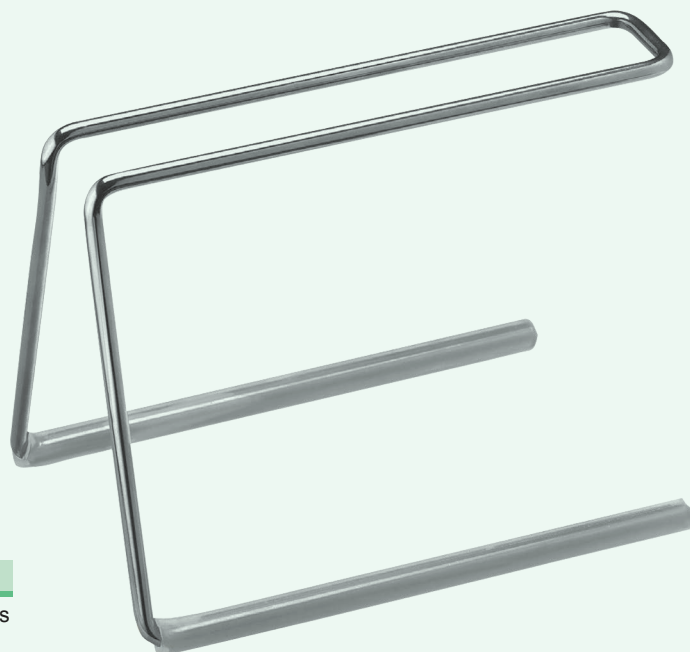
Lichtenberg
 48-343-14
 14 cm - 5½"



Lichtenberg
 48-344-14
 14 cm - 5½"



Halstead - Mosquito (Fine Tip)
 48-345-12 12 cm - ¾" |
 48-346-12 12 cm - ¾")



48-347-00
For 6 - 8 pairs
of forceps