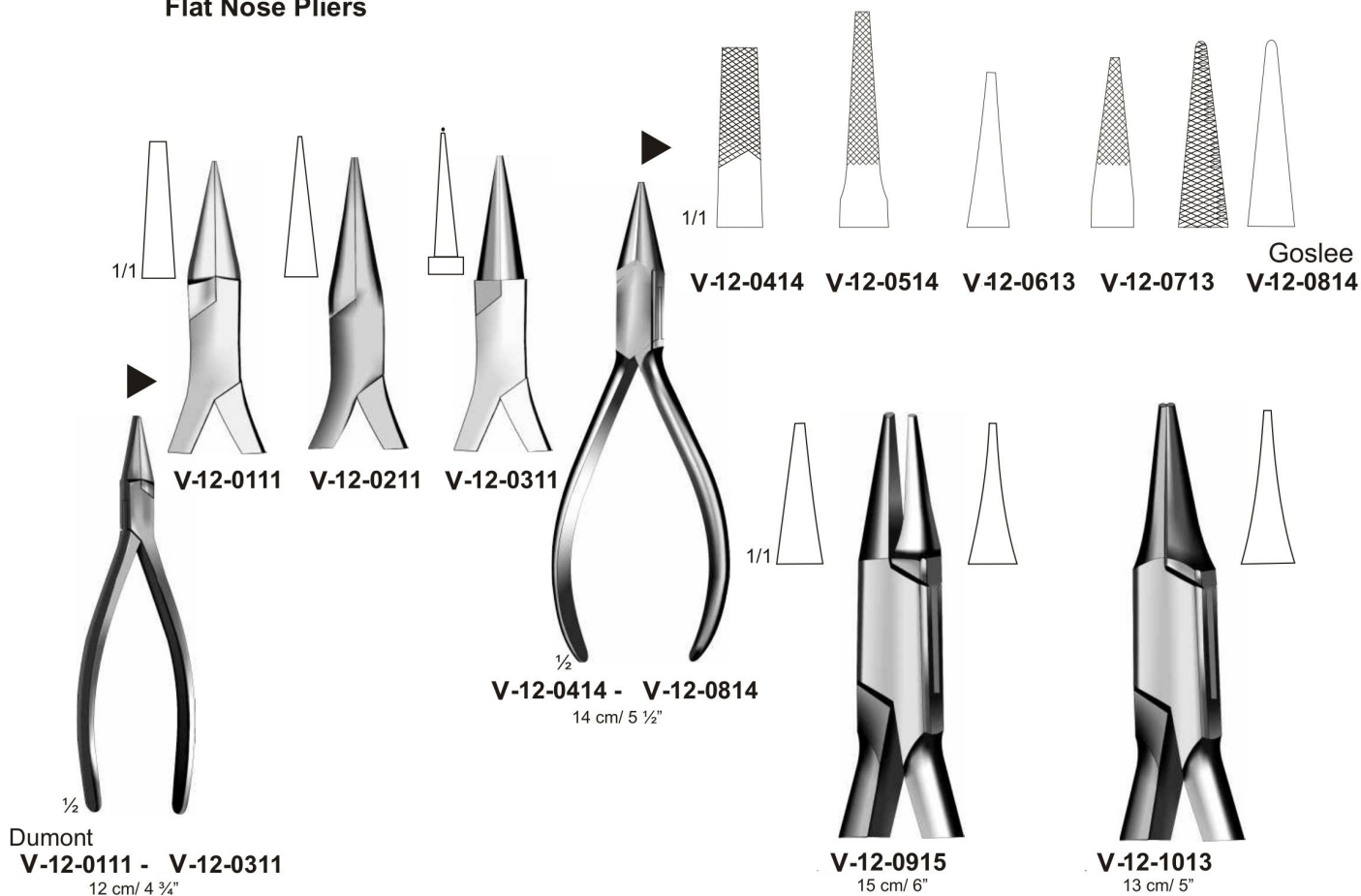


**CH 12**

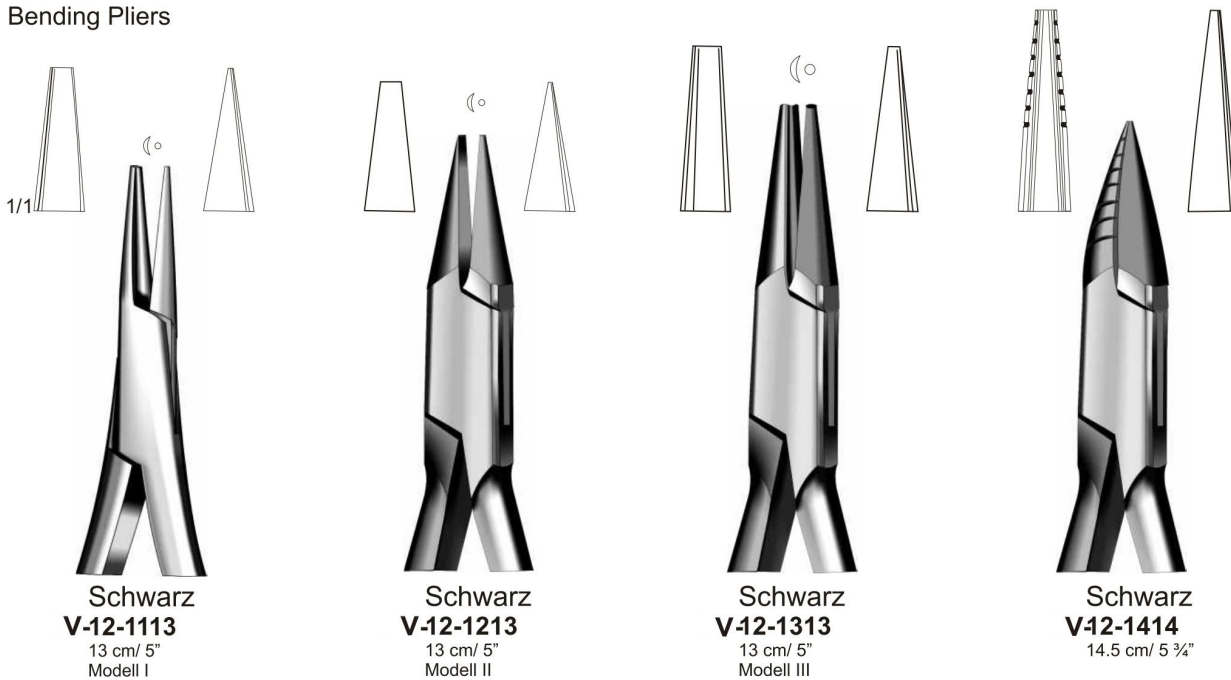
**Pliers For Orthodontics**  
**Zangen für Kieferorthopädie**  
**Pinzas para ortodoncia**  
**Pinces pour orthodontie**  
**Pinze Ortodontiche**



**Flat Nose Pliers**



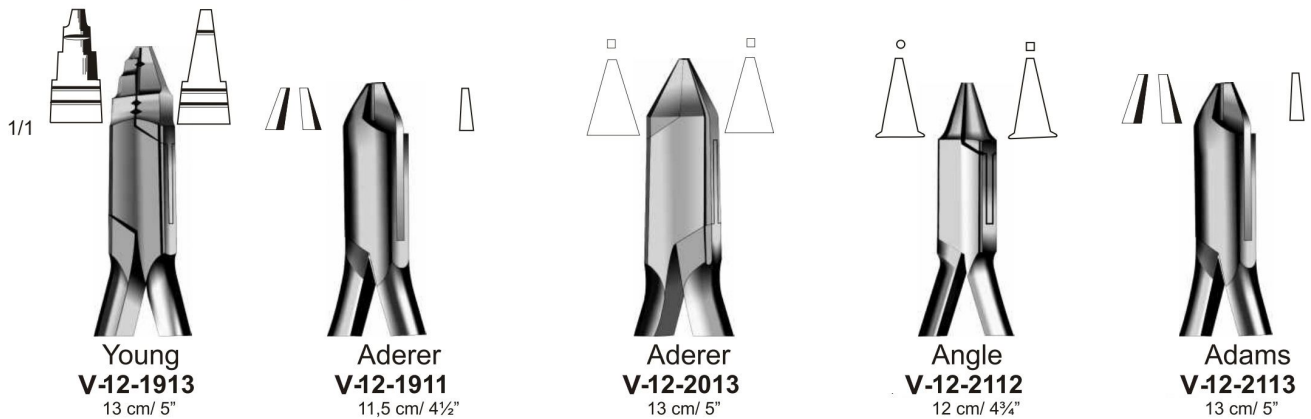
**Bending Pliers**



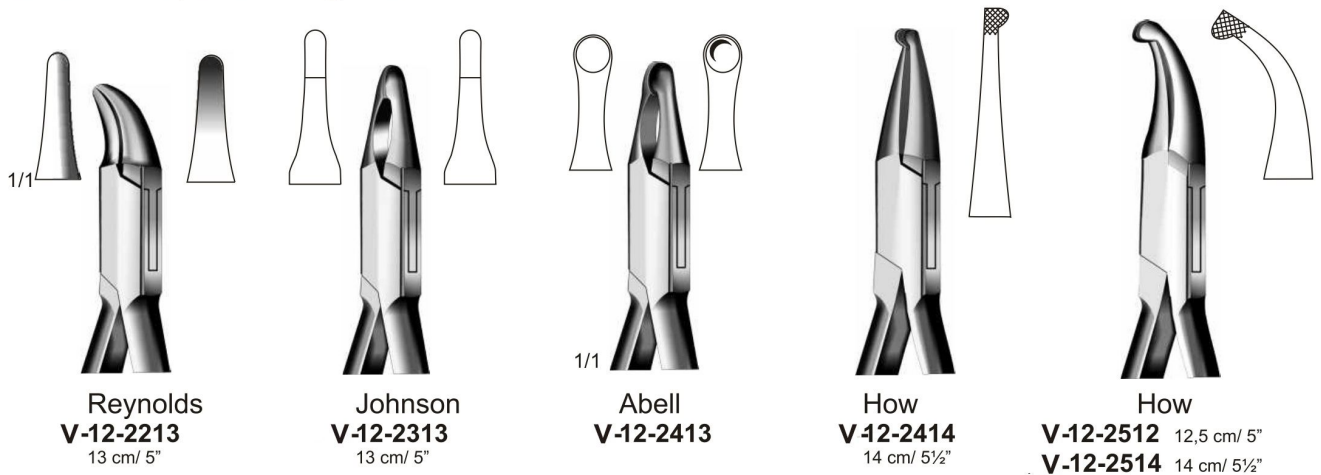
**End and Side Nippers**



**Wire, Arch and clasp bending pliers**



**Crown Pliers, Contouring Pliers**



**Universal Pliers, Copper Ring and Bridge Removing Pliers**



Waldsachs-Universal  
**V-12-2615**  
15,5 cm/ 5"



Universal  
**V-12-2715**  
15,5 cm/ 5"



Lodo  
**V-12-3015**  
15 cm/ 5"

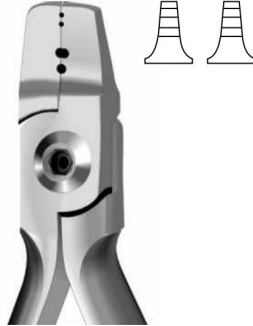


Furrer  
**V-12-2915**  
15,5 cm/ 5"

**Bana Seating & Arch Bending Pliers**



**V-12-3013**  
13 cm/ 5¼"



**Lingual Arch Plier**  
**V-12-3112**  
 11.5 cm/ 4¼"  
 Designed to form double and triple bends in either .030" (0.76 mm) or .036" (0.91 mm) wire for inserting lingual sheaths



**V-12-3212**  
12 cm/ 4¾"

Remover



**V-12-3213**  
13 cm/ 5"

Remover



**De La Rosa**  
**V-12-3312**  
 11.5 cm/ 4½"  
 Arch Forming & Contouring Plier  
 With three grooves, for wires .016" (0.41 mm), 0.81" (0.46 mm) and .022" (0.56 mm).



**De La Rosa**  
**V-12-3412**  
 11.5 cm/ 4½"  
 Arch Forming Plier, without grooves  
 Same Plier but without grooves



**D.B. Bracket Removing Plier**  
**V-12-3512 T/C**  
 12 cm/ 4¾"  
 Useful for ceramic and stainless steel brackets. The tips wedge between edge of bracket and tooth surface and remove it with ease.

Remover



**V-12-3612 T/C**  
12 cm/ 4¾"

Remover

**Bond Bracket**



**V-12-3712 T/C**  
12 cm/ 4¾"



**V-12-3812 T/C**  
12 cm/ 4¾"



**V-12-3912 T/C**  
12 cm/ 4¾"

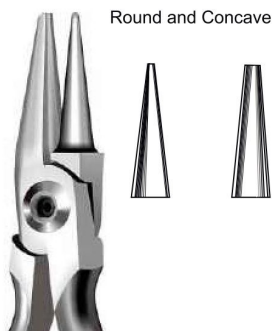


**D.B. Bracket Removing Plier, with Pad**  
**V-12-4012 T/C**  
12 cm/ 4¾"  
Designed for quick and comfortable removal of direct bond brackets. It will also remove adhesive from the tooth.

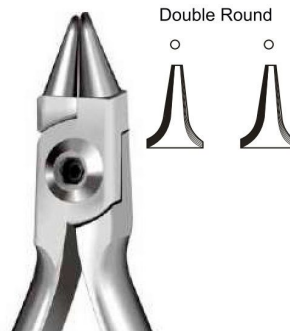


**Posterior Band Removing Plier, Long**  
**V-12-4112 T/C**  
12 cm/ 4¾"  
Will remove band with maximum patient comfort. The tip is postured in the middle of the pad for band removal ease. A plastic padded tip and a sharp removing beak allow, with a slight pressure, easy band removal.

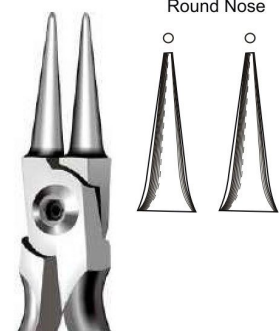
**Wire Bending Pliers**



**V-12-4212**  
12 cm/ 4¾"  
Medium Wire Plier,  
Round & Concave Plier  
For wires up to .28" ( 0.71 mm)

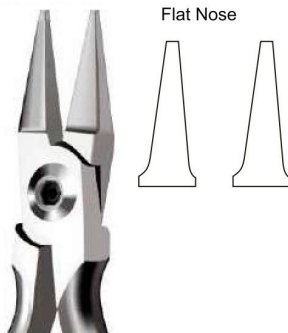


**V-12-4312**  
11.5 cm/ 4½"  
Double Rounded Jaw Plier  
For wires up to .030".

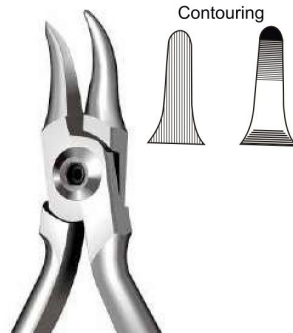


**V-12-4412**  
12 cm/ 4¾"

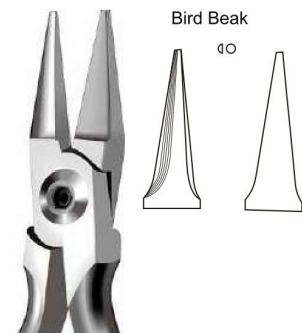
**Wire Bending Pliers**



**Jarabak**  
**V-12-4413**  
12.5 cm/ 5"  
Excellent for precise bending of light wires. Precision grooves assure accurate bending and closing loops. Wires up to .020".



**Reynolds**  
**V-12-4512**  
12 cm/ 4¾"



**Light Wire Plier**  
**V-12-4513**  
12.5 cm/ 5"  
The beaks are more tapered and longer than Angle Plier. Excellent for bending small diameter loops. Used for wires up to .016" ( 0.41 mm )

**Wire Arch Bending & Forming Pliers**



**Tweed**  
**V-12-4611 T/C**  
11.5 cm/ 4½"  
Rectangular Arch Pliers, Tweed Style Forming plier for square or rectangular wires. The blades are designed to be parallel at .020" ( 0.51 mm ) opening. The working edges are carefully diamond-honed to prevent wire scoring.



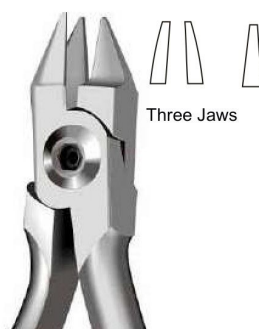
**Tweed (Angle)**  
**V-12-4612 T/C**  
12 cm/ 4¾"



**Tweed (Angle)**  
**V-12-4711 T/C**  
11 cm/ 4½"



**V-12-4811 T/C**  
11 cm/ 4½"



**Aderer**  
**V-12-4812**  
11.5 cm/ 4½"  
Three Jaw Thin Plier, For wires up to .028" ( 0.71 mm ).



**Aderer**  
**V-12-4912**  
12 cm/ 4¾"  
Three Jaw Plier, Aderer The precision aligned tips ensure for consistent bends. Gradually tapered for delicate bending. For wires up to 0.036" ( 0.91 mm )

**Wire Arch Bending & Forming Pliers**



**How**  
**V-12-4913**  
13 cm/ 5¼"  
Utility Plier , How Long well tapered shape, With 3/32" ( 2.4mm) gripping pads which are serrated and shaped , so that their centre line coincides with the axis of rotation of the plier and holds the wire securely. Beaks are rounded to be completely lip safe.

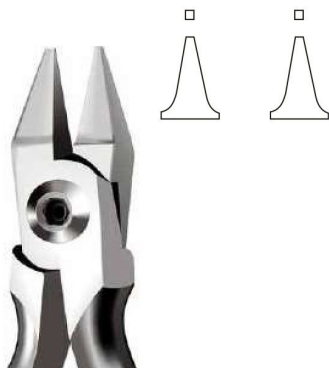


**How**  
**V-12-5013**  
12.5 cm/ 4¾"  
Utility Plier , How Style With 1/8" ( 3.2 mm ) gripping pads, which are serrated to hold wire securely. Beaks are completely lip safe.

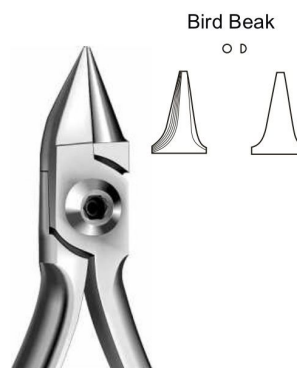


**Weingart**  
**V-12-5113 T/C**  
12.5 cm/ 4¾"  
Utility Plier, Weingart Classic design, generally utility plier. Pointed serrated tips. Holds wire firmly at convenient angle. The beaks are rounded to make the plier completely mouth safe. Useful for removal of ceramics

**Loop Forming /Bending Pliers**



**Adams**  
**V-12-5212**  
12 cm/ 4¾"



**Angle**  
**V-12-5312**  
11.5 cm/ 4½"  
Bird Beaks Pliers, Angle It is used for working round wires up to .030" ( 0.76 mm) in diameter. The beaks are .025" ( 0.64 mm) at the tip. The beaks are parallel at 0.20" ( 0.51 mm) opening.



**Loop Forming /Bending Pliers**



**Mckellops Plier**  
**V-12-5313**  
 12.5 cm/ 5¼"  
 For wires up to .059" ( 1.5 mm).



Tweed Loop  
 Forming



**Tweed**  
**V-12-5413**

12.5 cm/ 5¼"  
 Loop Forming, Tweed Style Pliers Designed for making loops in round or rectangular wires up to 0.022x.0.28" ( 0.56 x 0.71 mm ). The cylindrical beak has three sections: 0.045" (1.14mm), .060" ( 1.52mm), .075" ( 1.90mm). Each section is 0.090" in length. The concave beak has slight parallel serrations which orient and keep the wire at a right angle to the beaks while the loop is being formed.



Omega Loop  
 Forming



**Tweed**  
**V-12-5513**  
 12.5 cm/ 5¼"  
 Omega Loop Forming Pliers, Tweed Style  
 It just differs from the Model 12-5413 in the concave beak which is rounded for making more uniform omega loops.



Single Diameter  
 Loop Forming



**Tweed**  
**V-12-5613**  
 12.5 cm/ 5¼"



**V-12-6612**  
 Loop Closing Plier, Nance Style  
 Box joint with 4 sectioned tip for forming various size loops in rectangular and round wires.  
 For wires up to .028" ( 0.71 mm).

**Wire Cutting Pliers**



**V-12-5713 T/C**

12.5 cm/ 5"  
Hard Wire Cutter, Flat Back  
Cutting capacity up to .020 round,  
Arch wire up to .022 x .028 and all  
sizes of ligature wire and pins.



**V-12-5813 T/C**

12.5 cm/ 5"



**V-12-5913 T/C**

13 cm/ 5½"

**Lorem Ipsum**



**V-12-6012 T/C**

12 cm/ 5"



**V-12-6112 T/C**

11.5 cm/ 4½"



**V-12-6212 T/C**

12 cm/ 5"  
Mini cut & hold distal end cutter  
cuts with in 0.5mm from end of  
buccal tube. Use on wire up to  
0.22" x 0.28" rectangular and  
0.20" round.



**V-12-6312 T/C**

11.5 cm/ 4½"  
Distal End Cutter with safety hold  
It shear cuts hard wire and braided  
wire and then, safely holds the loose  
distal ends of the wire, thus preventing  
from falling down into the oral tissues.  
The cutting edges are diamond honed.  
Maximum cutting capacity: rectangular  
and twist wires up to .022 x .028"  
( 0.56 x 0.71); round wire up to .020"  
( 0.51 mm) in diameter.