



**ixion**<sup>™</sup>  
Instruments

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Latest products



The popular choice of premium instruments for orthodontists internationally:

All **Ixion™** instruments are made from German surgical stainless steel with a beautiful **satin finish** which reduces glare from surgery lighting.

All cutting edges are made from **tungsten carbide** or **reminate** providing superior strength and sharpness.

All instruments have a Box Joint which provides a **reliable, smooth action** and ensures the tips align perfectly every time.

All **Ixion™** instruments have a **unique streamline design** providing a perfectly balanced instrument.

All **Ixion™** instruments are finished with **round, smooth edges** providing maximum comfort and safety for you and your patient.



I have been using Ixion pliers for 8 years now, having made the decision to use them when I moved my hospital department over to a CSSD tray system. I based that decision on having been very impressed with the high quality of the instruments when compared with other instruments I have used over a long and busy clinical career.

I set very high standards in clinical matters and Ixion pliers do not disappoint in any way. In the time they have been in use, they have proved to be reliable and robust, and good value for money.

They are well-designed and beautifully engineered from good quality steel, being both aesthetic and functional. If I had to re-stock my department, I would certainly order Ixion pliers again. I would highly recommend them to anyone.



**Helen Taylor**, Consultant Orthodontist, Nevill Hall Hospital, South Wales



## Utility Pliers

### Looking for a solution to reduce emergency appointments?



**Problem 1: Wire Poke**

The wires slide out distally through the molar tubes or brackets as teeth align or wire slides round. This is specially a problem with SLBs and Lingual technique.



**Problem 2: Long Unsupported Span**

The fine, flexible wires drop out of molar tubes and may be too light to be held by conventional cinching.



**Problem 3: Loose Tube**

Bonded molar tubes that debond can easily come off the back of the wire even when conventionally cinched, causing safety concerns.



**Solution: Safe Cinch**

The Ixion Safe Cinch is a simple solution to prevent any of these problems from occurring.

**ix920**

**Safe Cinch Plier**

The ix921 Safe Cinch is a rounded, crimpable device which is fitted over the protruding end of the archwire behind the molar tube, using special pliers designed to hold and crimp it securely.

The Safe Cinch is designed to reduce emergency appointments by preventing sharp wire from poking into the soft tissue at the back of the mouth, safely holding debonded molar tubes on the archwire, and preventing flexible wires from dropping out of molar tubes or brackets.

The ix920 is a plier used for the positioning of the ix921 Safe Cinch.

The Safe Cinch must be positioned using the ix920 Safe Cinch Plier otherwise its safety cannot be assured.

EU patent number: EP 2106246

USA patent number: US 8,246,350 B2



Code	Description
<b>ix920</b>	Safe Cinch Plier
<b>ix921</b>	Safe Cinches Pk 40
<b>ix922</b>	Safe Cinch Plier & 40 Cinches

## Utility Pliers



### ix954

#### Cinch Back – Large Wire

Same features as ix953 but designed to work with larger wires.

The serrated tips of this instrument hold the wire securely while bending the wire 90° distally to the buccal tube, avoiding patient discomfort.

For use with wires from .016" (.41mm) up to .021" x .025" (.55 x .64mm).

### ix953

#### Cinch Back

The serrated tips of this instrument hold the wire securely while bending the wire 90° distally to the buccal tube, avoiding patient discomfort.

For use with Nickel Titanium wires .012" – .018" (.30 x .46mm).



The IX953 cinch back plier is a plier that I could not practice without. I have not found a better cinch back plier. The small head and light serrations make bending .012 to .018 wires simple and accurate in very tight spaces. I would recommend it to anyone whether you do labial or lingual braces.



**Dr. Jared Gill**, Cornforth-Gill Orthodontics, Fargo, ND



### ix843

#### Utility Weingart with Inserted Tips

This new Weingart plier has an increased curved and thicker tip, than the standard Weingart IX801. Designed for use with larger wires but slim enough to allow the clinician good visibility in difficult to reach areas. Elegant and perfectly balanced with beautifully rounded tips for patient comfort. Precision serrated tips prevent the wire from slipping.

Holds wire up to .022" (.51mm).

## Tooth Autotransplantation

### ix200

#### Transplantation Stent Kit

Tooth autotransplantation is the surgical movement of a donor tooth to a recipient site within the same individual. Autotransplantation is essentially a controlled avulsion and replantation, either into an extraction site or a surgically-prepared artificial socket.

Premolar transplantation is a well-recognised technique for managing missing anterior teeth, including teeth lost through trauma or developmentally absent teeth, such as in hypodontia and cleft palate. Other indications include replacement of a failing or a poor-prognosis permanent tooth and surgical repositioning of an impacted or ectopic permanent tooth.

DB Orthodontics has developed a range of transplantation stents with The Leeds Dental Institute autologous transplantation team.



Kit includes 3 x stents - small, medium and large - plus stainless steel sterilisation cassette including locking arm (not shown).

The set of stents have been produced to:

- Minimise extra-oral time of the donor tooth/teeth.
- Reduce the damage to the periodontal ligament of donor tooth by minimising the number of try in attempts when assessing the donor tooth's fit in the recipient site.
- Provide flexibility to the surgeon by providing a variety of stent sizes, thereby allowing them to choose the most appropriate premolar to transplant.



**ix976****Intra Oral Detailing Plier 0.5mm Step**

Same features as the ix975 but with a smaller head, designed to create .020" (.5mm) first and second order bends intra orally.

The double-sided head of the instrument has been specially designed to enable intra-oral steps to be created, even interproximally between lingual brackets where the space is very limited. For use up to max .018" x .018" wire (.46mm x .46mm).

European community design number: 002455881.

US patent numbers: US D741,486 S and US D740,942 S.



The IX976 is very nicely designed and manufactured. Compared to the IX975 the step is a bit smaller, it is very precise and completely parallel.



**Prof. Dietmar Segner**, Specialist in Orthodontics, Germany

**Wire Bending Pliers****ix711****Heavy Duty Bird Beak**

This heavy duty bird beak plier has special inserted tips which allows the bending of wire up to 1mm.

This plier is ideal for the fabrication of labial and lingual arches, quad helix, and many other appliances.

For use with wire up to .040" (1mm).

**ix915****Hard Wire Cutter with T.C. Insert**

Same design as the popular IX905 with the addition of T.C. inserts for increased durability and ability to cut elastomeric chain.

**ix916****Hard Wire Cutter 15° Angle with T.C. Insert**

Same design as the popular IX906 with the addition of T.C. inserts for increased durability and ability to cut elastomeric chain.

**ix712****Heavy Duty Hard Wire Cutter**

This plier is ideal for cutting labial and lingual arches, quad helix, and many other appliances.

Double spring design allows for easy cutting of hard wire up to .060" (1.5mm).





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