

3D-Arm™, Hennig Instrument Guide™



Surgical Navigation Accessories

Support tools for surgical success

Elekta offers a series of accessories designed to support the work of the neurosurgeon during surgical procedures.

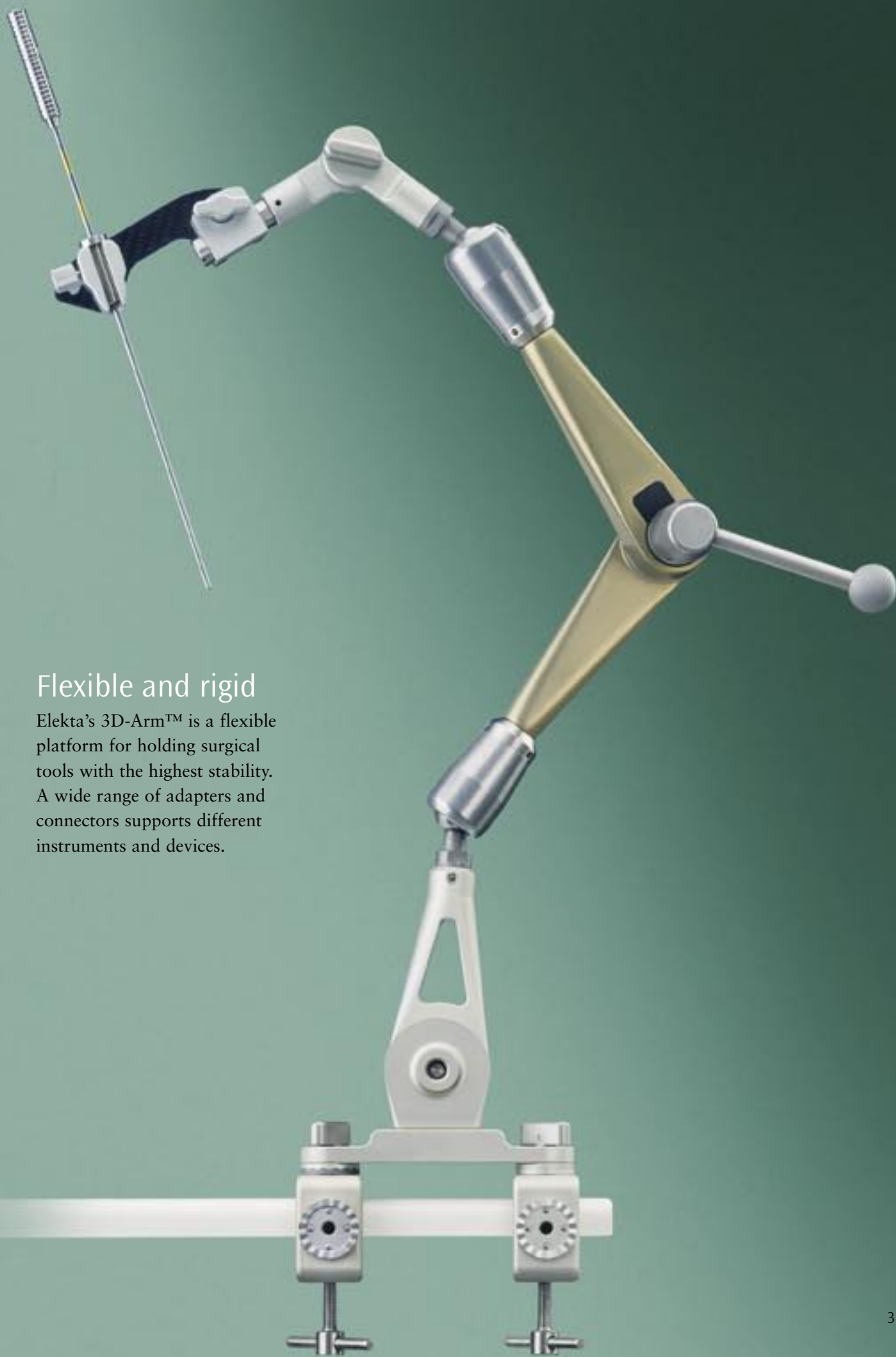
Elekta's 3D-Arm™ is a rigid, mechanical tool that provides a stable platform for tools and devices wherever they are required around the surgical target. Saving space in the often-cramped environment of procedures, it acts as a useful "third arm" when performing open or minimally-invasive surgery. Its versatile, modular design makes it easy to use and it can also be employed as an accessory for image guided surgery.

The Hennig Instrument Guide™ is a minimally invasive skull-mounted device that provides a dynamic, intra-operative yet simple method for guiding diagnostic and therapeutic instruments to intracranial targets. The Hennig Instrument Guide can also be used as an accessory for image guided surgery.

Dynamic – yet smart
and simple.

Hennig Instrument Guide offers a secure, smart method to support the guidance of an instrument to targets within the brain.





Flexible and rigid

Elekta's 3D-Arm™ is a flexible platform for holding surgical tools with the highest stability. A wide range of adapters and connectors supports different instruments and devices.

3D-Arm. More than a helping hand.

Elekta's 3D-Arm™ Kit is a versatile tool kit, providing a stable and precise positioning platform for micro- and minimally-invasive surgical procedures.

Modular in construction; easy-to-use and highly stable when in position, it can be used for device trajectory guidance or holding surgical optics, instruments or retractors firmly and without drift throughout the entire operative procedure.

The 3D-Arm provides rigid support for a wide range of neurosurgery procedures, such as endo-

scope guidance and tool holder; a high-precision guidance platform for biopsies, electro-stimulation; electro-coagulation; depth electrode and catheter placement and much more.

Elekta's 3D-Arm Kit is supported by a wide range of accessories for maximum procedural flexibility and availability.

It can also be employed as an accessory for image guided surgery.

3D-Arm

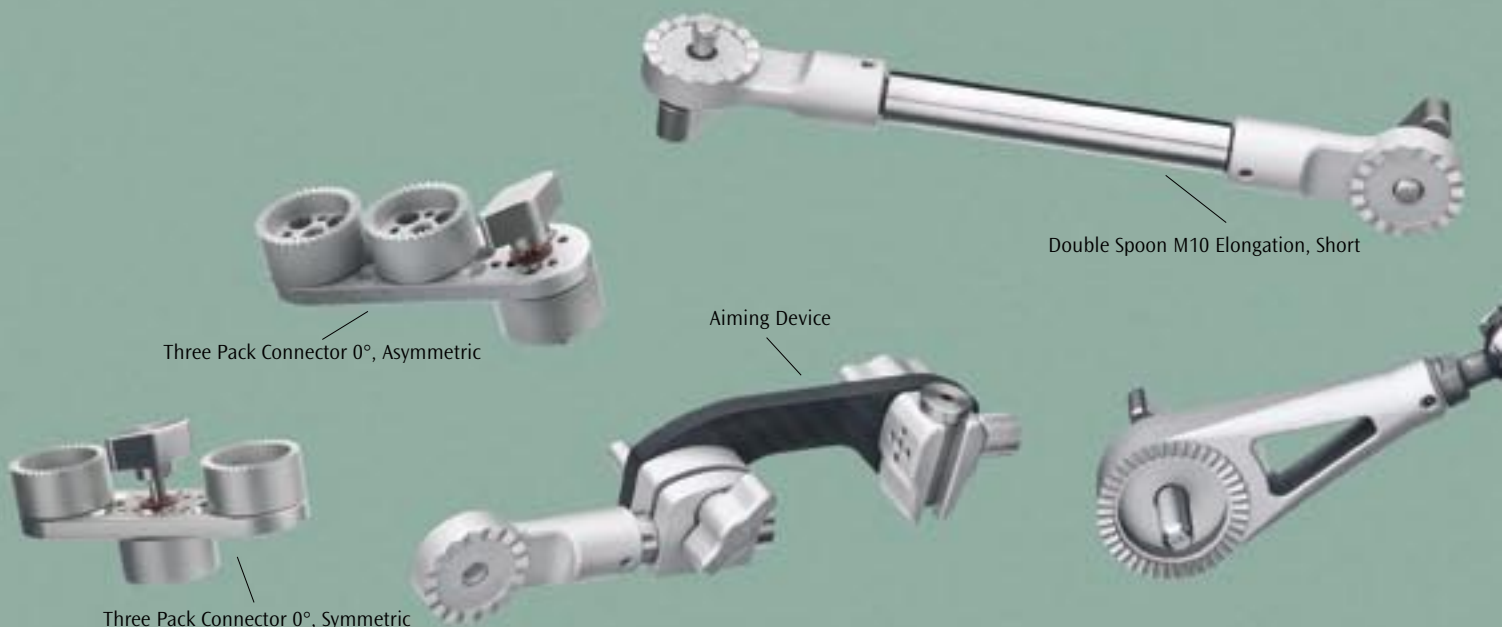
The 5-section arm allows maximum positioning possibilities around the target area.

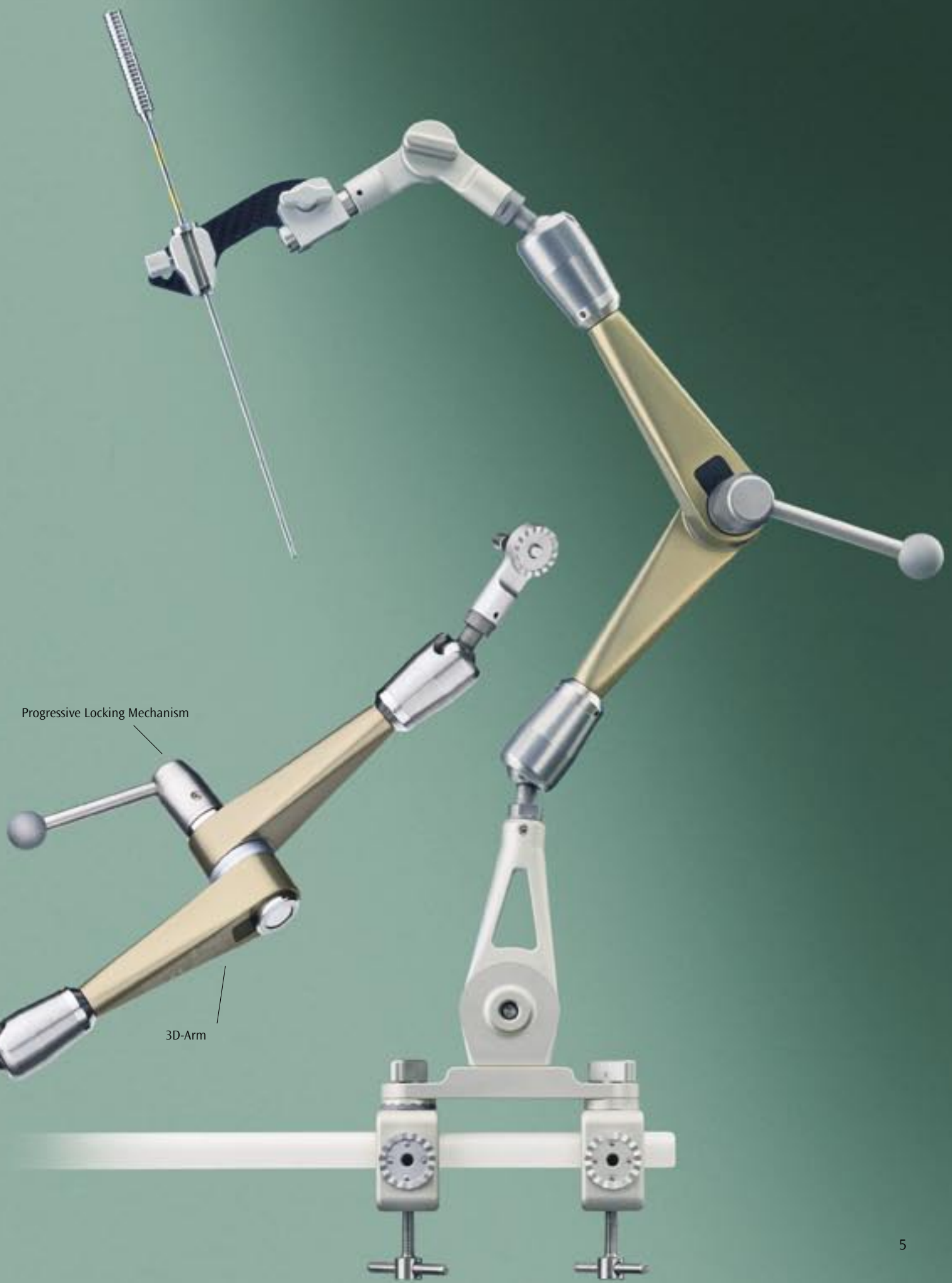
Progressive Locking Mechanism

A unique feature that allows maximum position control during locking with rigidity and ease-of-use.

Three Pack Connectors

Three Pack Connectors are used for connection to the Mayfield system. They provide versatile extension with great stability.





Progressive Locking Mechanism

3D-Arm

Hennig Instrument Guide. Securely on target.

Hennig Instrument Guide™ provides neurosurgeons with a secure method of supporting and guiding the placement of instruments to specific targets within the brain, via a minimal burr hole.

It is designed to support a broad range of instruments in intracranial clinical applications, including biopsy; injection/aspiration; haematoma evacuation and neuroendoscopy.

The self-retracting design minimizes the need for additional equipment within the sterile field.

Hennig Instrument Guide can also be used as an accessory for image guided surgery.

Base Ring

Skull-mounted device provides rigid fixation for the locking ring and the targeting sphere.

Locking Ring

Maximizes the possible angle of approach during surgery. Holds the targeting sphere in place during the insertion of the surgical instrument.

Supports wide range of instruments

Reducers can be attached to the instrument channel to support instruments of 1.5, 2.1, 2.5, 3.2, 3.5 and 4.0mm diameter.



Base Ring



Targeting Sphere



Locking Ring





Fastening Key

Multiple Stop

Instrument Channel Reducer

3D-Arm

Product specification

3D-Arm™ Kit

Contents

- 2 3D-Arms
- 1 Handle 47 (perforator)
- 1 Starburst Side Rail Adapter 90°
- 1 Three Pack (Male-Female) Connector 0°, Symmetric
- 1 Three Pack (Male-Female) Connector 0°, Asymmetric
- 1 Double Spoon M10 Elongation, Short
- 1 C-Clamp Tool Holder
- 1 Aiming Device (8x25mm)
- 1 Ruler and Stopper for Aiming Device
- 1 Multifunctional Guidance System, Standard
- 1 Ruler and Stopper for Guidance System
- Instructions for Use, 3D-Arm Kit

Order information

Article	Article No.
• 3D-Arm Kit	100 7564

Spare parts	Article No.
• 3D-Arm	P10403-102
• Handle 47 (perforator)	P10403-314
• Starburst Side Rail Adapter 90°	P10403-200
• Three Pack (Male-Female) Connector 0°, Symmetric	P10403-311
• Three Pack (Male-Female) Connector 0°, Asymmetric	P10403-312
• Double Spoon M10 Elongation, Short	P10403-421
• C-Clamp Tool Holder	P10403-500
• Aiming Device (8x25mm)	P10403-510
• Ruler and Stopper for Aiming Device	P10403-513
• Multifunctional Guidance System, Standard	P10403-520
• Ruler and Stopper for Guidance System	P10403-522
• Instructions for Use, 3D-Arm Kit	09.001.1018

The 3D-Arm Kit complies with the Medical Device Directive 93/42/EEC. The product is CE marked and manufactured by Medical Intelligence.

Hennig Instrument Guide

Product specification

Hennig Instrument Guide™

Contents

- 1 Base ring
- 1 Locking ring
- 1 Targeting sphere with instrumentation channel
- 1 Fastening key
- 1 Instrument channel reducers and Single stops (to support instruments of 1.5, 2.1, 2.5, 3.2, 3.5 and 4.0mm diameter)
- 1 Multiple stop (compatible with 2.5mm diameter instruments)
- 1 Indexer
- 1 Sterilization case
- Instructions for Use, Hennig Instrument Guide

Order information

Article	Article No.
• Hennig Instrument Guide	91 09 82

Hennig Instrument Guide complies with the Medical Device Directive 93/42/EEC. The product is CE marked.

Additional information

When using Hennig Instrument Guide burs with two different diameters (14mm and 16mm) are required. First a burr hole is made with a 14mm diameter burr. The burr hole is then finished to 16mm diameter using a spherical burr. Two 16mm spherical burrs have been tested for use with Hennig Instrument Guide: Codman 15-1007 and Aesculap FF63.