











Nexos® Pelvis

Osteosynthesis System

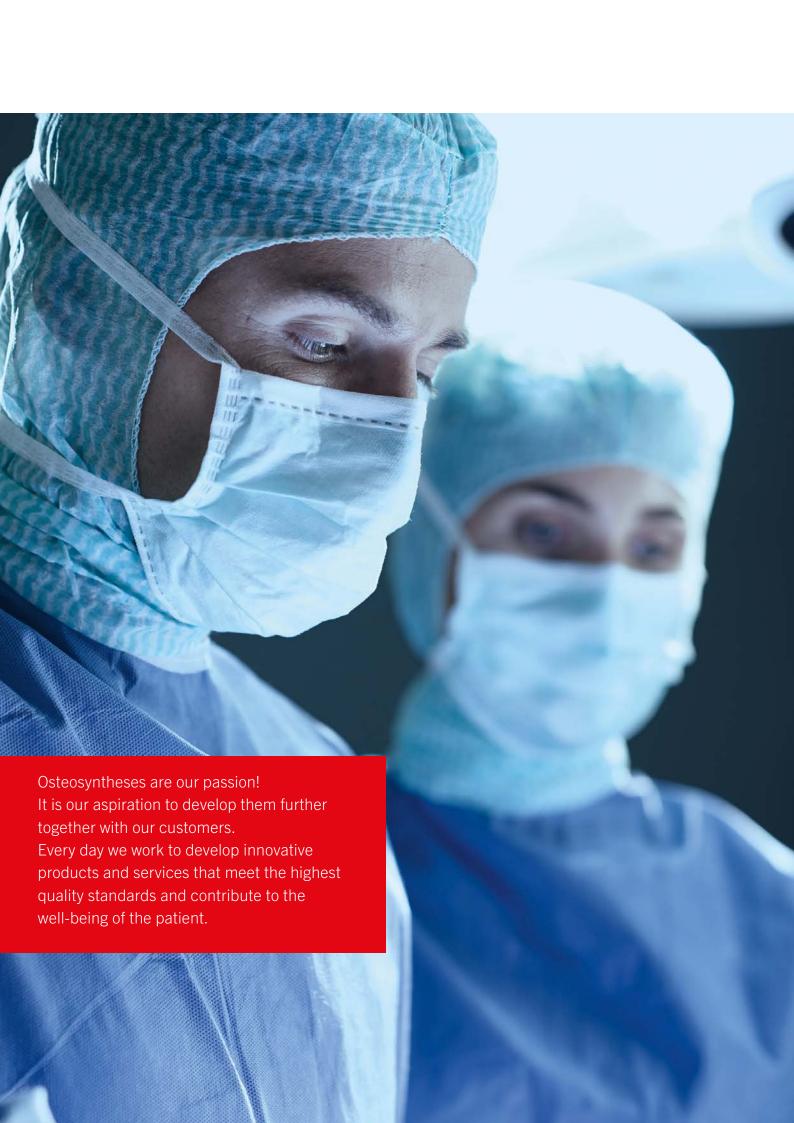


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Nexos® Pelvis

Osteosynthesis System

The Nexos® Pelvis Osteosynthesis System provides a comprehensive treatment solution for simple and complex pelvic ring and acetabulum fractures where demanding surgical exposure and anatomical reduction is essential. This is aimed at achieving a successful functional clinical outcome.

Specific implants are delivered pre-shaped to fit the anatomy. Additionally, all plates are engineered with the new "round" design which allows an easy adaptation of the plate curvature, thus enabling the optimal anatomical fit and an enhanced surgical time.

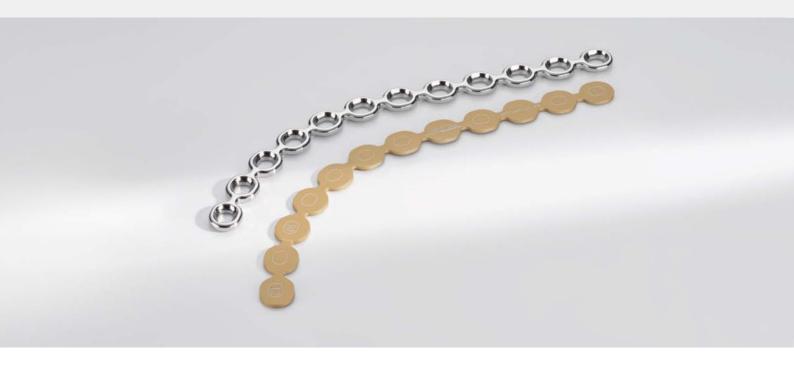
The associated bending instruments are an ideal intraoperative support for surgeons; providing effective bending forces at varying degrees of need for all surgical requirements in this field. This allows for plates to be adapted for each individual patient need.

The plate portfolio offers the best sizes and lengths dedicated to various fracture configurations. The offer is streamlined and allows the surgeon to quickly identify the best matching plate by having a clear portfolio overview.

All plates are used in combination with cortical screws of \emptyset 3.5 mm and \emptyset 4.5 mm, thus offering the best fracture treatment options to the surgeon and the patient.

All implants are available in implantable stainless steel and are sterile packaged.

Feature, Function and Benefit



With its wide range of plates, the Nexos® Pelvis Osteosynthesis System is optimally adapted to the various indications of the pelvis. The plates are equipped with special features and design elements so that they fit the special needs for standard and complex osteosynthesis of the pelvis.

Nexos® Pelvis – Plates

Feature and Function

Benefit



- Wide selection of plates in different hole variants and geometries
- Rounded and atraumatic design to prevent from soft tissue damage
- A wide range of indications and patientindividual anatomy can be covered
- Plates do not have to be unnecessarily cut or bent, removing the incidence of sharp edges



- X- and S-plates are cold worked and made of cold worked medical steel
- All other plates are annealed
- X- and S-plates are rigid to provide an enhanced level of stability in the joint regions
- The annealing process allows plates to be better manipulated during surgery (marked as flexible)



- Y-plates are designed with two bendable and stabilizing arms to replace the use of two straight plates
- Plates include special holes for guide-wires and sutures
- Facilitates the placement on the posterior wall because of the narrow anatomical shape
- Allows more flexibility in the surgical approach in order to protect certain structures and soft tissue



- C-Plates are available in different lengths and two radii

Symmetric designed interconnecting

plate bars wherever beneficial

- Allows more flexibility in the surgical approach in order to protect certain structures and soft tissue
- Matches the anatomical opening of female and male pelvis



- Templates are available for the I-, J- and C-plates in both radii
- Made of pure aluminium to allow flexible manipulation of the material
- Templates are available to suit all sizes of the respective plates
- Material flexibility allows for an accurate transfer of the bending requirements to the plates



Feature, Function and Benefit



The Nexos® Pelvis Osteosynthesis System is complemented by the smartDrive® 2 screw portfolio made up of two diameters:

Color code	Screw	Diameter	Attachment
Telemagenta 💿	Standard cortical screw	3.5 mm	T15
Light Green	Standard cortical screw	4.5 mm	T25

The special design of the screw-plate connection gives the surgeons the flexibility to place screws as required for the individual indication and according to patients' anatomy. The exclusively sterile packaged implants enable batch traceability and patient-related documentation.

Nexos® Pelvis — Screws

Feature and Function

Ø 3.5 Ø 4.5

- Portfolio includes standard cortical screws of Ø 3.5 mm
- Customers have the option to use
 Ø 4.5-mm screws in the same plate
- The design of the implants allows a maximum of 34° and 20° angulation in the 3.5-mm and 4.5-mm screws respectively

Benefit

- Maximum choice for the customer
- Back up option allows for safe treatments in challenging condition
- Gives surgeons the flexibility to place screws as required



- Self-holding feature
- Effective self-cutting ability thanks to sharp and precise threading
- Double threaded self-cutting design for quick and easy insertion of screws starting from 22 mm
- Atraumatic screwtips

- Improved handling: easy pick up, insertion and rotation of the screw into the desired position
- Stable fixation in the bone
- Quick screw insertion with little force required
- Prevents damage and irritation of the soft tissue



- All implants are available in individually sterile packed versions
- Including self-adhesive labels with all relevant implant data
- Batch traceability and transparent patient-related documentation

Feature, Function and Benefit



The instrumentation of the Nexos® Pelvis Osteosynthesis System was created based on using synergies whereever possible and meaningful: from a unified handle design over synchronized working lengths to the integration of complementary tools needed for complex pelvis surgeries.

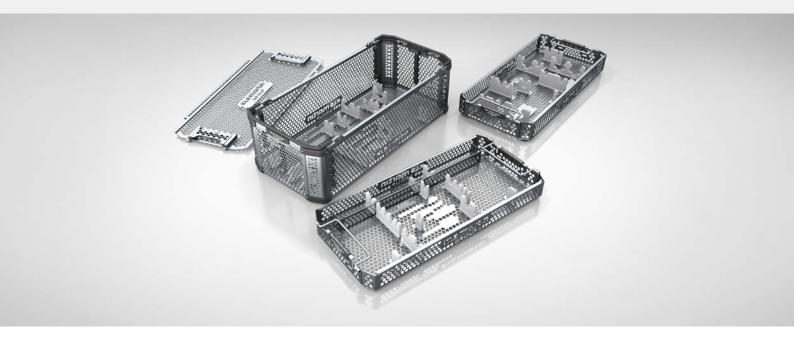
Nexos® Pelvis – Instruments

Feature and Function Benefit All osteosynthesis instruments are Allows users to quickly identify the color coded according to the associated correct instrument to be used according screw diameter to the required screw size Synchronized working lengths of interrelated Facilitate handling and raise focus instruments on surgical steps ■ Two screwdriver working lengths Surgeons are capable of reaching the target area of the pelvis in each situation and patient Comfortable instrument handling Ergonomic handle designs to support users during lengthy operations Users can easily transfer manual force when instruments become slippery • Different drill working lengths • Different drill lengths provide for different clinical needs • Most core hole drills are marked with User can easily determine how deep they have drilled into bone a scale system Allows users to differentiate between Color coded rings indicate its function drills with different functions: - core-hole drill (1 ring) - gliding-hole drill (2 rings) Special instruments allowing angular Anatomical regions with limited space



- screw placement
- can be reached, especially in the small pelvis

Feature, Function and Benefit

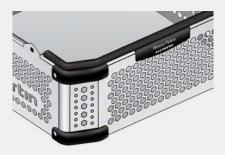


The Nexos® Pelvis Osteosynthesis System is rounded off by a modular storage concept with user-specific configuration options.

Nexos® Pelvis — Storages

Feature and Function

Benefit



- Stainless steel storage tray in honeycomb design combined with high-performance plastic
- High stability, but low weight
- Good rinsing results thanks to large openings
- No water residues



- The instruments are arranged according to their order of use in surgery
- Swift and intuitive passing of instruments during surgery
- User-friendly, efficient instrumentation



- Mobile sterile goods trolley
- Modular, labeled baskets and compartments

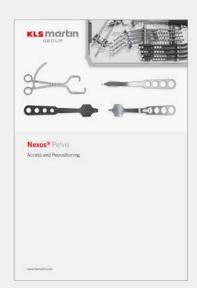
- Easy handling and supply of sterile implants in the operating room
- Optimal protection of sterile packages
- Swivel casters enable easy transport and transfer to and between operating rooms
- Excellently organized, structured storage
- Good overview and easy access to stored items
- Can be adapted to suit users' requirements at any time

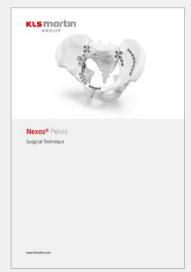
Step by Step for optimal Treatment

Fields of Use

The Nexos® Pelvis System is indicated for the reconstruction of the human pelvis in the following areas:

- Sacroiliac joint
- Pelvic ring
- Ilium
- Ala of the ilium
- Symphysis
- Acetabulum
- Quadrilateral surface





For further information about the Nexos® Pelvis Access and Repositioning System please refer to the brochure 91-350-73-02.

For a detailed description of the surgical techniques possible with the Nexos® Pelvis Osteosynthesis System please refer to the surgical technique document 91-350-29-02.

Implants Nexos® Pelvis Plates

P-plates Plates for the quadrilateral surface



59-505-02-71 🕏 🕦

Nexos® Pelvis P-plate, 9 holes, left, flexible

= 2.3 mm



59-505-04-71 🖘 🕕

Nexos® Pelvis P-plate, 9+7 holes, left, flexible

= 2.3 mm



59-505-01-71 🗈 🕕



Nexos® Pelvis P-plate, 9 holes, right, flexible

= 2.3 mm



59-505-03-71 St 1

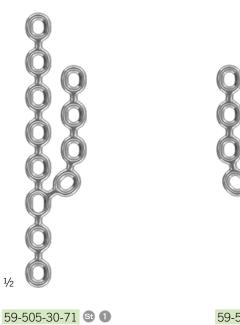


Nexos® Pelvis P-plate, 9+7 holes, right, flexible

= 2.3 mm



Y-plates Plates for the acetabulum



Nexos® Pelvis Y-plate, L118/W26, left, flexible

= 3.2 mm



Implants **Nexos®** Pelvis Plates

X-plates Plates for the sacroiliac joint



59-505-29-71 🗈 🕕



Nexos® Pelvis X-Plate, 6 holes, left

= 3.0 mm - 4.5 mm



59-505-28-71 St 1



Nexos® Pelvis X-Plate, 6 holes, right

= 3.0 mm - 4.5 mm

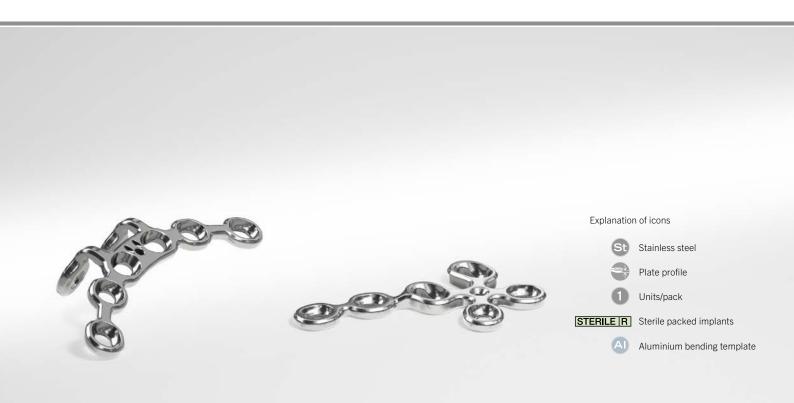


59-505-27-71 🗈 🕕



Nexos® Pelvis X-Plate, 4 holes





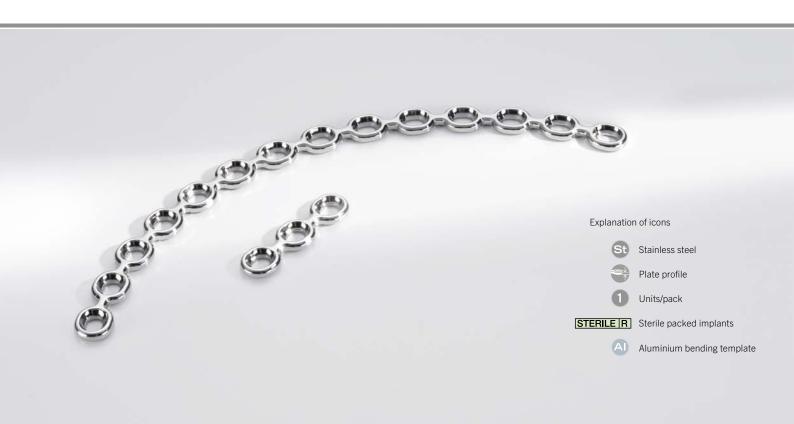
S-plates Plates for the symphysis



Implants **Nexos**® Pelvis Plates

I-plates Plates for the ilium, ala of the ilium, pelvic ring, acetabulum





J-plates Plates for the ilium, ala of the ilium, pelvic ring, acetabulum

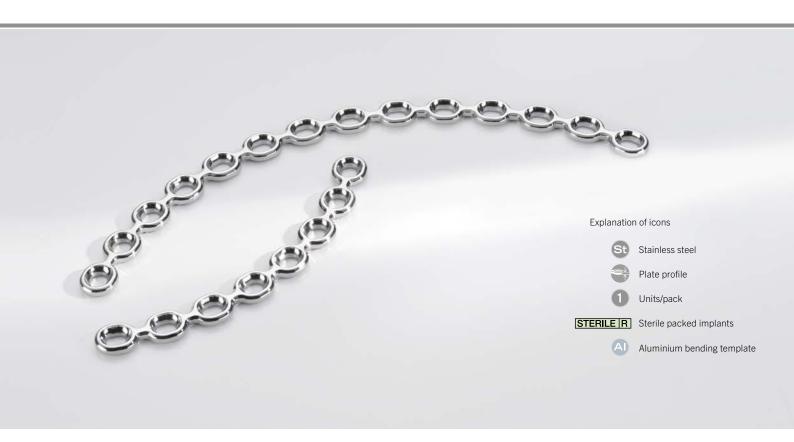


Implants **Nexos**® Pelvis Plates

C-plates

Plates for the ilium, ala of the ilium, pelvic ring, acetabulum





C-plates Plates for the ilium, ala of the ilium, pelvic ring, acetabulum



Implants **Nexos**® Pelvis Plates

C-plates Plates for the ilium, ala of the ilium, pelvic ring, acetabulum

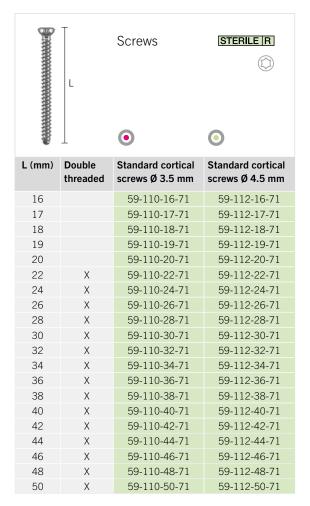




C-plates
Plates for the ilium, ala of the ilium, pelvic ring, acetabulum



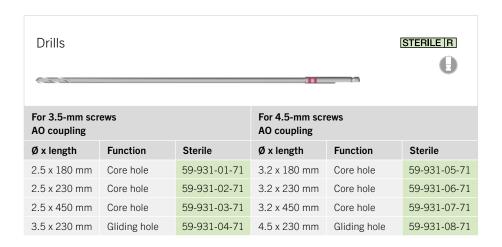
Implants **Nexos**® Pelvis Screws and Drills



**************************************	L	Screws	STERILE R
L (mm)	Double threaded	Standard cortical screws Ø 3.5 mm	Standard cortical screws Ø 4.5 mm
55	Χ	59-110-55-71	59-112-55-71
60	Χ	59-110-60-71	59-112-60-71
65	Χ	59-110-65-71	59-112-65-71
70	Χ	59-110-70-71	59-112-70-71
75	Χ	59-110-75-71	59-112-75-71
80	Χ	59-110-80-71	59-112-80-71
85	Χ	59-110-85-71	59-112-85-71
90	Χ	59-110-90-71	59-112-90-71
95	Χ	59-110-95-71	59-112-95-71
100	Χ	59-111-00-71	59-113-00-71
105	Χ	59-111-05-71	59-113-05-71
110	Χ	59-111-10-71	59-113-10-71
115	Χ	59-111-15-71	59-113-15-71
120	Χ	59-111-20-71	59-113-20-71
125	Χ	59-111-25-71	59-113-25-71
130	Χ	59-111-30-71	59-113-30-71
135	Χ	59-111-35-71	59-113-35-71
140	Χ	59-111-40-71	59-113-40-71
145	Χ	59-111-45-71	59-113-45-71
150	Χ	59-111-50-71	59-113-50-71

Screws of Ø 3.5 mm and Ø 4.5 mm accept the T15 and T25 smartDrive® 2 screwdrivers from KLS Martin



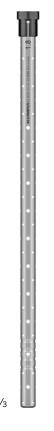




Module 1

Osteosynthesis System for Pelvic Trauma and Reconstruction

Instruments Nexos® Pelvis 3.5-mm System



59-902-05-07 31.5 cm / 12 3/8"

Ø 1.8 x 300 mm

Nexos® K-Wire dispenser, large







61 1





59-925-01-07 23 cm/9" Nexos® Pelvis plate holding forceps,





59-925-02-07 23 cm / 9" Nexos® Pelvis plate holding forceps, curved





59-925-04-07 20 cm / 7 1/8" Nexos® Pelvis bending iron





















59-925-03-07 24 cm / 9 1/8" Nexos® Pelvis bending rod





59-930-05-07 28.5 cm / 11 ²/8" for Ø 3.5 mm smartD2 tissue protection sleeve, straight



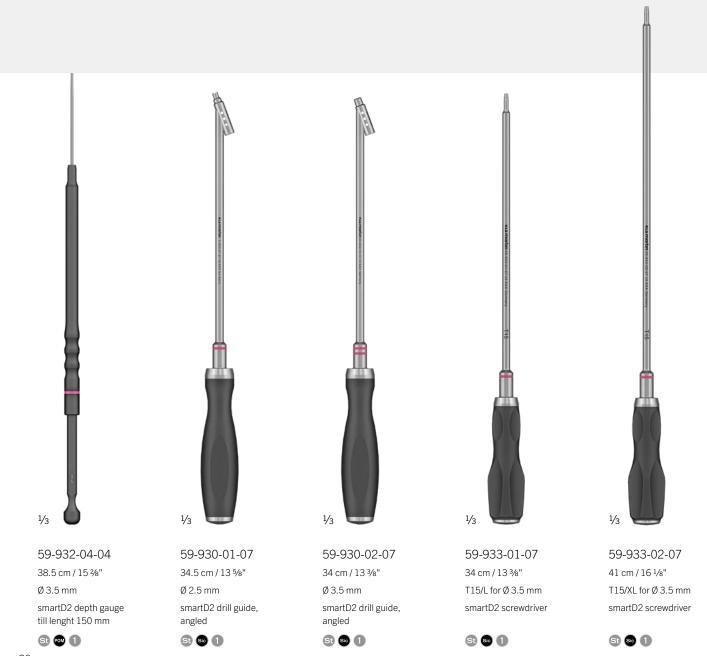


59-930-06-07 31.5 cm / 12 3/8" Ø 2.5 mm for Ø 3.5 mm smartD2 drill insert tissue protection sleeve

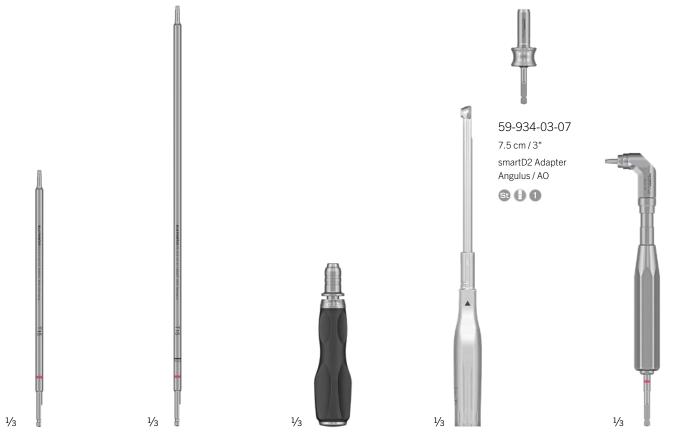


Module 1Osteosynthesis System for Pelvic Trauma and Reconstruction

Instruments **Nexos**® Pelvis 3.5-mm System







59-933-10-07

smartD2 screwdriver handle

13 cm / 5 ½"

size M, AO

St 60 1

50-990-01-07

right angled screwdriver

25.5 cm / 10"

Angulus 2

9 1

59-933-03-07

T15/AO/M for Ø 3.5 mm

smartD2 screwdriver blade

20.5 cm / 8 1/8"

9 () 1

59-933-04-07

T15/A0/XL for Ø 3.5 mm

smartD2 screwdriver blade

33.5 cm / 13 1/8"

9 () 0

59-933-05-07

T15/L for Ø 3.5 mm

smartD2 screwdriver,

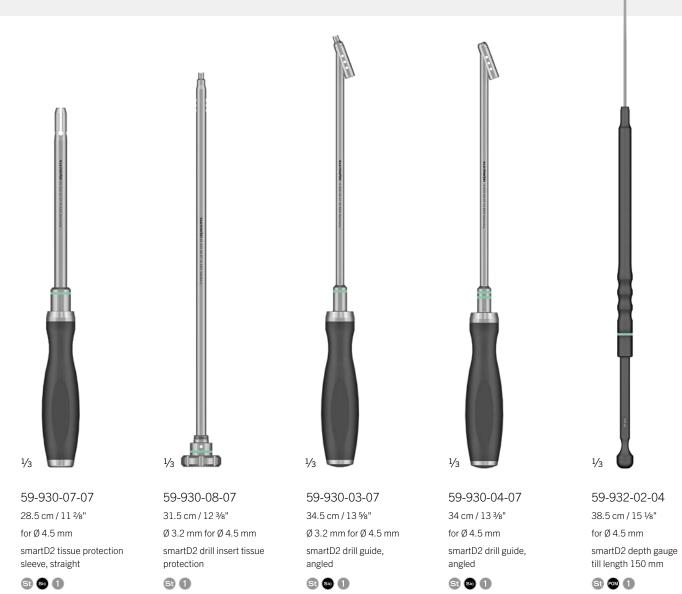
18 cm / 7 ½"

cardan

S 1

Module 1Osteosynthesis System for Pelvic Trauma and Reconstruction

Instruments **Nexos**® Pelvis 4.5-mm System





Instruments Nexos® Pelvis High Strength Bending



59-920-01-07 27 cm / 10 5/8"

Nexos® bending pliers XL





59-920-03-07

25.5 cm / 10"

Nexos® stand for bending pliers XL









59-920-02-07

29 cm / 11 3/8"

Nexos® bending pliers XL, insert for X-plate



Storage System Nexos® Pelvis

The storage concept has been matched to the special requirements of the Nexos® Pelvis Osteosynthesis System. The instruments have been split between the various trays and containing baskets in order of their use. This allows the user to quickly identify which basket or tray should be accessed to retrieve the correct instrument.

The instruments are stored next to each other, in the manner according to the typical sequence of their use.

In addition to easy, well-thought-out handling, the storage system is particularly impressive because of its optimized reprocessing capability, due to large openings of the honeycomb design.

Finally, the storage system offers flexibility to customers by offering two different options, basket or tray solution, to allow a choice for how this system should be managed in both the OR and the sterilization department.



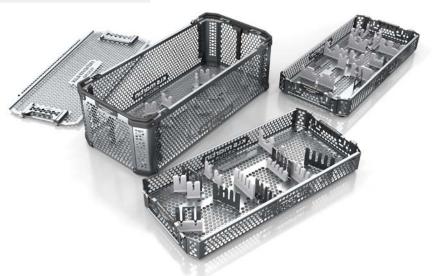
55-981-39-04	Nexos® Pelvis basket set for 3.5-mm system instruments consisting of:
55-981-31-04	Nexos® Pelvis basket 3.5-mm system
55-981-33-04	Nexos® Pelvis insert 2 3.5-mm system
55-981-34-04	Nexos® Pelvis insert 3 3.5-mm system
55-981-79-04	Nexos® Pelvis basket lid - full size

55-981-49-04	Nexos® Pelvis basket set for 4.5 mm system instruments consisting of:
55-981-41-04	Nexos® Pelvis basket 4.5-mm system
55-981-43-04	Nexos® Pelvis insert 2 4.5-mm system
55-981-79-04	Nexos® Pelvis basket lid - full size

55-981-60-04	Nexos® Pelvis complete bending pliers XL set consisting of:
55-981-61-04	Nexos® Pelvis insert bending pliers XL
55-981-70-04	Nexos® Pelvis basket lid - full size

55-981-30-04	Nexos® Pelvis inserts set 3.5-mm system consisting of:
55-981-32-04	Nexos® Pelvis Insert 1 3.5-mm system
55-981-33-04	Nexos® Pelvis Insert 2 3.5-mm system
55-981-34-04	Nexos® Pelvis Insert 3 3.5-mm system
55-981-70-04	Nexos® Insert Lid - Full Size - 3 units

55-981-40-04	Nexos® Pelvis inserts set 4.5-mm system consisting of:
55-981-42-04	Nexos® Pelvis insert 1 4.5 mm system
55-981-43-04	Nexos® Pelvis insert 2 4.5 mm system
55-981-70-04	Nexos® Pelvis insert lid - full size - 2 units



Storage System Nexos® Pelvis

The sterile goods trolley allows optimal protection and supply of sterile implants in the surgical environment. It is supplied with the following standard equipment:

- 6 baskets 60 x 40 x 10 cm
- incl. safety stops and roller support-wheels
- 20 partitions long 60 x 10 cm
- 25 partitions short 40 x 10 cm



55-900-50-04 66 x 50 x 49 cm (WxHxD) Sterile goods trolley, preconfigured, incl. 7 baskets







For further information about sterile goods trolley for storing sterile product please refer to the brochure 91-350-36-02.

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