



Erisma[®] - **LP EVO**

OFFSET CONNECTORS



Surgical Technique - USA



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Erisma[®]-LP EVO

OFFSET CONNECTORS



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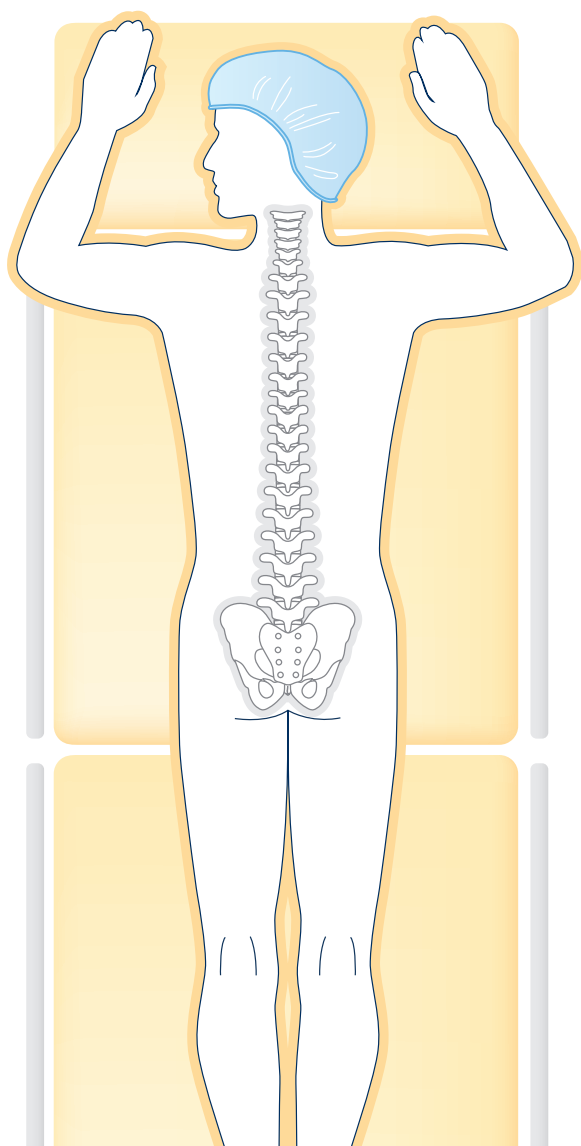
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Surgical Technique

Prior to using any Clariance device, please review the instructions for use, the label and this surgical technique for a complete listing of indications, contraindications, warnings, precautions, potential adverse events, and directions for use.



1 | INTRODUCTION

In accordance with safety procedures in force, the patient is placed in the ventral position on the operating table. The surgical approach is based on the usual techniques used by the surgeon.

The Erisma® Deformity system provides long screws, offset connectors and rod-to-rod connectors (dominos) as options for iliac fixation and revision applications. These implants are used for the treatment in long fusions in sagittal and/or coronal plane spinal deformities (scoliosis, high-grade spondylolisthesis, flatback syndrome, etc.). Also, the system may be used in revision surgery.

NOTE:

The use of instruments related to implantation of Pedicle Screws, Rods, Set Screws and Crosslinks is described in the Erisma®-LP Evolution surgical technique. The Erisma® Deformity surgical technique serves as a complement to the Erisma® LP Evolution technique.

2 | SCREW INSERTION

The iliac wing and posterior superior iliac spine are exposed by the surgeon's preferred method.

- Place the pedicle probe down between the iliac tables in a manner that places the path about 1cm to 1.5cm above the greater sciatic notch.

The Erisma[®]-LP Iliac screws are prepared and inserted in the same manner as the Erisma[®]-LP EVO Pedicle screws (see surgical technique LP-Evolution for polyaxial pedicle screws with short screw heads preparation description and instrument handling).

- Insert the Erisma[®] polyaxial screw into the pelvis.



ROD HOLDING FORCEPS

99715002 Angled



T20 WRENCH FOR 7N.M TORQUE LIMITING HANDLE

18720004



SELF-RETAINING SET SCREWDRIVER

01720006 Long



COUNTER TORQUE

18721008 Perpendicular



TORQUE LIMITING HANDLE 7N.m

99781202
99781203



RATCHETING TORQUE LIMITING HANDLE 12N.m

99781212



3 | INSERTION OF ILIAC FIXATION WITH ERISMA® DEFORMITY OFFSET CONNECTORS

The offset connector links a screw in the iliac body to a rod.

Two sorts of connectors are available:

- The closed offset connector with a pre-loaded T20 set screw.
- The open offset connector, compatible with a standard set screw.

A | ILIAC FIXATION WITH CLOSED OFFSET CONNECTOR

After inserting the rod, the offset connector is slid to the rod's edge with the **Curved Rod Holding Forceps**. The connector is then rotated around the rod until it fits into the iliac screw head.



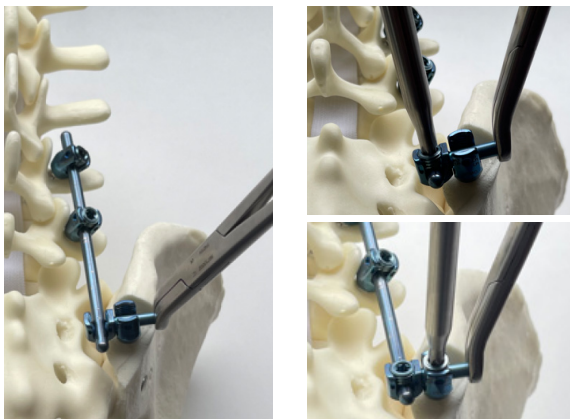
The iliac screw is tightened with a **T30 Set Screw** introduced with the **Self-Retaining Set Screwdriver** as described for pedicular screws (see Erisma® LP Evo surgical technique). The **T20 Set Screw** pre-loaded into the connector is then tightened with a **T20 Wrench**. Final tightening of the closed offset connector **T20 Set Screw** is performed with a **7N.m Torque Limited Handle**. Final tightening of the iliac screw **T30 set screw** is performed with a **12N.m Torque Limited Handle** (see Erisma® LP Evo surgical technique).



B | ILIAC FIXATION WITH OPEN OFFSET CONNECTOR

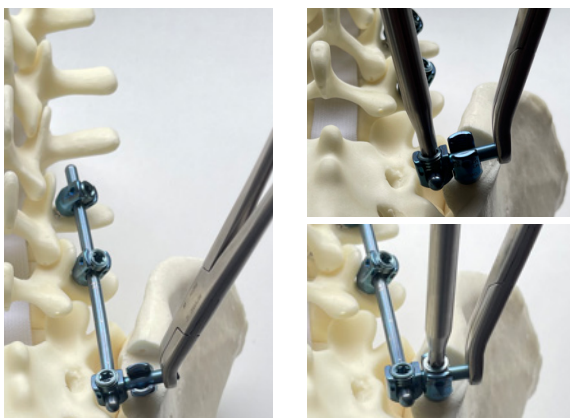
The open offset connector is inserted in the same manner as described previously for the closed connector.

The open connector side where the rod is placed is slightly tightened with a **T30 Set Screw** introduced with the **Self-Retaining Set Screwdriver** as described for pedicular screws (see Erisma® LP Evo surgical technique). Final tightening of the open connector **T30 Set Screw** is performed with a **12N.m Torque Limited Handle**. Final tightening of the iliac screw **T30 Set Screw** is performed with a **12N.m Torque Limited Handle**. (see Erisma® LP Evo surgical technique).



Alternative technique:

The **T30 Set Screw** is pre-loaded loose onto the open connector side. The open offset connector is then slid to the rod in the same manner as described previously. Final tightening of the open connector **T30 Set Screw** is performed with a **12N.m Torque Limited Handle**. Final tightening of the iliac screw **T30 Set Screw** is performed with a **12N.m Torque Limited Handle**. (see Erisma® LP Evo surgical technique).



ROD HOLDING FORCEPS

99715002

Angled



FIXED CANNULATED HANDLE

99781001



SELF-RETAINING SET SCREWDRIVER

01720006

Long



COUNTER TORQUE

18721008

Perpendicular



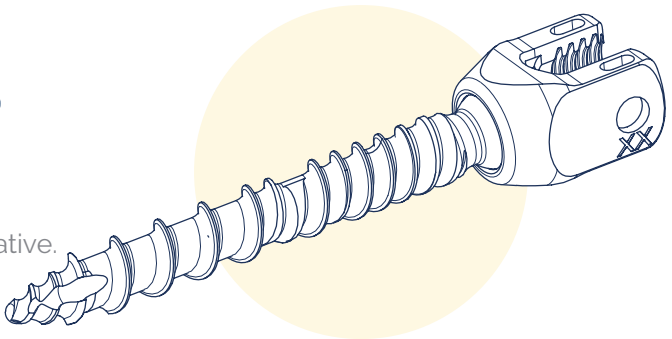
RATCHETING TORQUE LIMITING HANDLE 12N.m

99781212



Implants

Product availability may vary upon markets.
Please check with your local Sales Representative.



POLYAXIAL SCREWS 1815XXXX

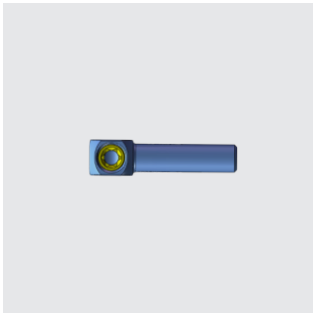
	Ø8.5MM	Ø9.5MM
L70MM	18158570	18159570
L75MM	18158575	18159575
L80MM	18158580	18159580
L85MM	18158585	18159585

The following polyaxial screws sizes are offered in addition to sizes featuring in the Erisma® LP Evo surgical technique.



T30 SET SCREW

13620009



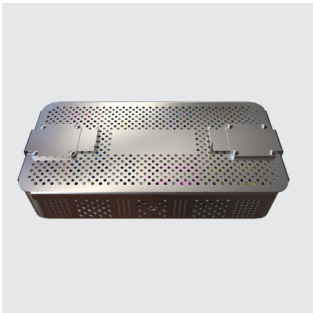
CLOSED OFFSET CONNECTOR

18320015	15mm
18320020	20mm
18320025	25mm
18320030	30mm
18320035	35mm



OPEN OFFSET CONNECTOR

18330015	15mm
18330020	20mm
18330025	25mm
18330030	30mm
18330035	35mm



CONNECTORS IMPLANT RACK

15990011/2	Tray
15990017	Lid

Note: the instruments item numbers and images featured in this surgical technique may have alternative options. Instruments and implants availability may vary upon markets. Please contact your local Sales Representative for more information.

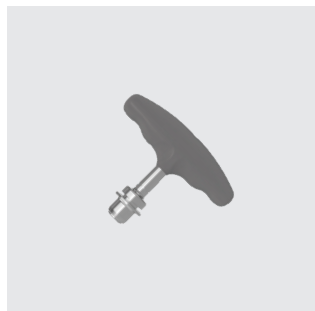
Erisma®-LP Instruments



**ROD HOLDING
FORCEPS**

99715002

Angled



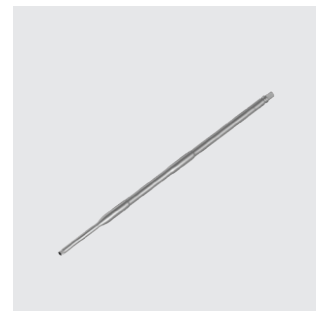
**FIXED CANNULATED
HANDLE**

99781001



**T20 WRENCH FOR 7N.M
TORQUE LIMITING
HANDLE**

18720004



**SELF-RETAINING
SET
SCREWDRIVER**

01720006

Long



**COUNTER
TORQUE**

18721008

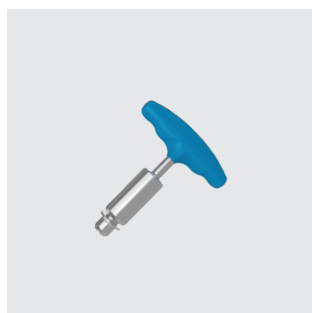
Perpendicular



**TORQUE LIMITING
HANDLE 7N.M**

99781202

99781203



**RATCHETING TORQUE
LIMITING HANDLE
12N.M**

99781212

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Notified Body N°2460 - As some references are not covered by the  marking, refer to the product label which bears the  marking