

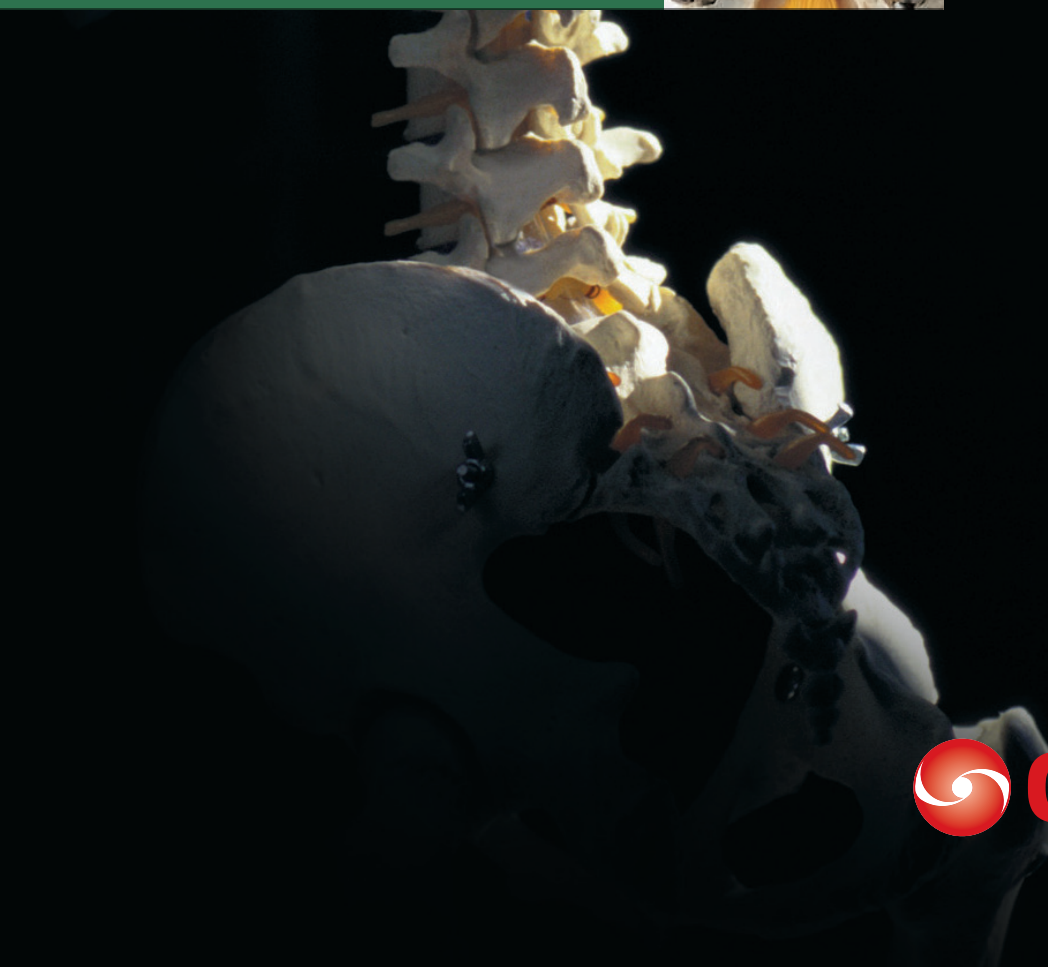
ULC

Spinal pedicle screw system

One touch technique of
Unitary Locking Cap



Easy simple but strong
instrumentation with innovative
spinal technology



OTIS

ULC spinal pedicle screw system

One touch unitary single cap system



One touch system

Smooth advancement of the cap without jamming

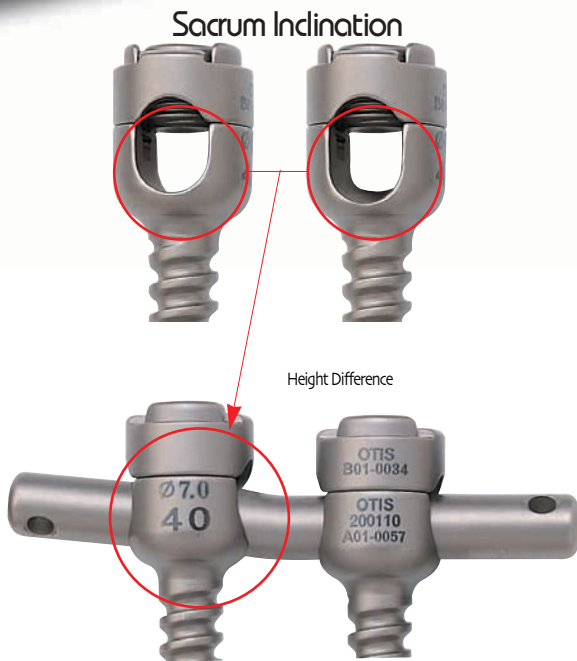
ULC spinal pedicle screw system



One touch unitary single cap system

With innovative one touch technique of the single unitary locking cap mechanism, even the inexperienced surgeon can perform instrumentation as simple & easy as possible.

Exceptionally the simplest of locking mechanism by one touch ULC cap saves operation time & bleeding loss



- ▷ By reducing one or two assembly procedures for every screw & cap fixation, one could at least save average 6~10 additional procedures.
- ▷ As a result, one could at least save additional 30 to 60 minutes of operation time or more in a segment operation and markedly reduce the fatigue level of the surgeon & bleeding loss.
- ▷ The ULC spinal system was developed to offer the long working strenuous fatigue spine surgeons.
- ▷ Taking into consideration of the normal sacrum inclination, the sacral is designed to have an inclination of 10~15 degree, which enables for the rod to increase the contact surface and adapt easily to the bending curvature.

The smooth advancement of the ULC cap without jamming

- ▷ The ULC cap is designed to easily fit to the screw even for an inexperienced spine surgeon.
- ▷ Even without exact mounting, just by rotating the cap, it smoothly, without jamming, advances toward the rod with firm final tightening.
- ▷ This in return gives convenience in surgical procedure, which leads to reduction in operation time and bleeding loss.

Despite its very low profile, it has the structural and technological characteristics of the firm fixation, which the surgeon is able to force a powerful compression on the ULC cap without the fear of breakage or bursting failure.

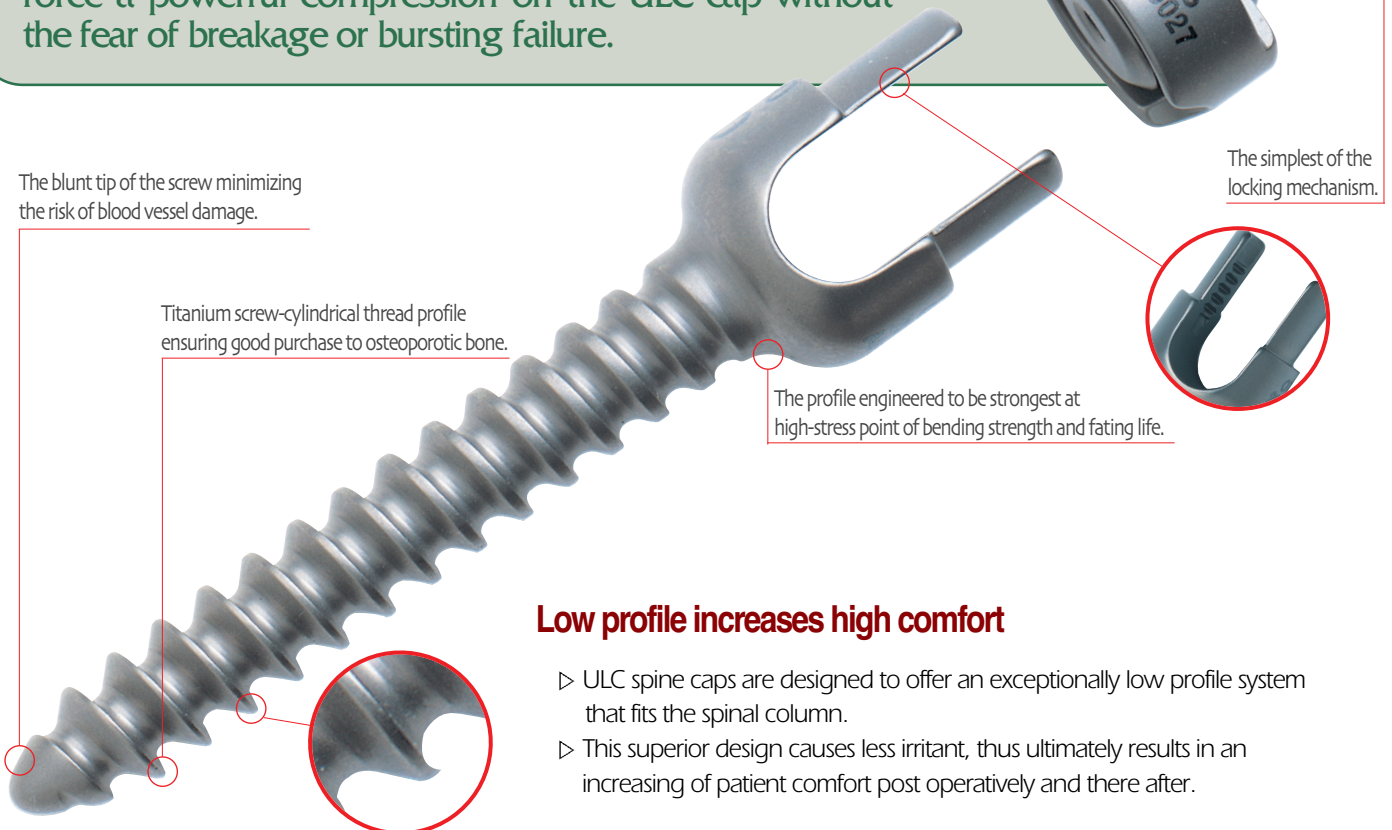


The simplest of the locking mechanism.

The blunt tip of the screw minimizing the risk of blood vessel damage.

Titanium screw-cylindrical thread profile ensuring good purchase to osteoporotic bone.

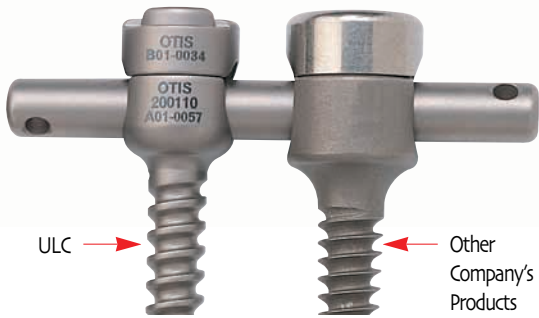
The profile engineered to be strongest at high-stress point of bending strength and fating life.



Low profile increases high comfort

- ▷ ULC spine caps are designed to offer an exceptionally low profile system that fits the spinal column.
- ▷ This superior design causes less irritant, thus ultimately results in an increasing of patient comfort post operatively and there after.

The smallest screw head



Unitary locking cap's unique lock confidence and security

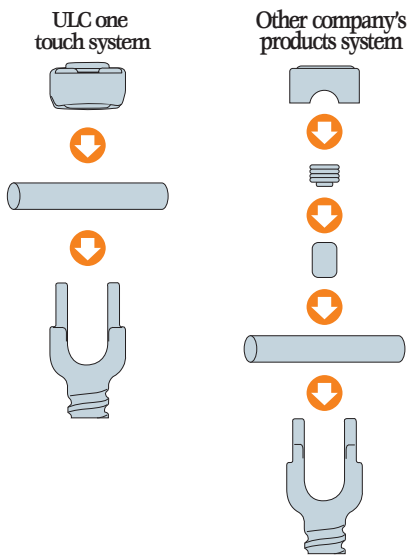
- ▷ As a result of extensive mechanical experiments, the ULC system provides exceptionally strong titanium implants structurally. Thus, bulky hardware is not required to prevent slippage.
- ▷ Therefore, it is also used optimally in situations where a strong distraction force is applied constantly **on the thoraco-lumbar Spine fracture reduction.**

Wide range of diameter and lengths

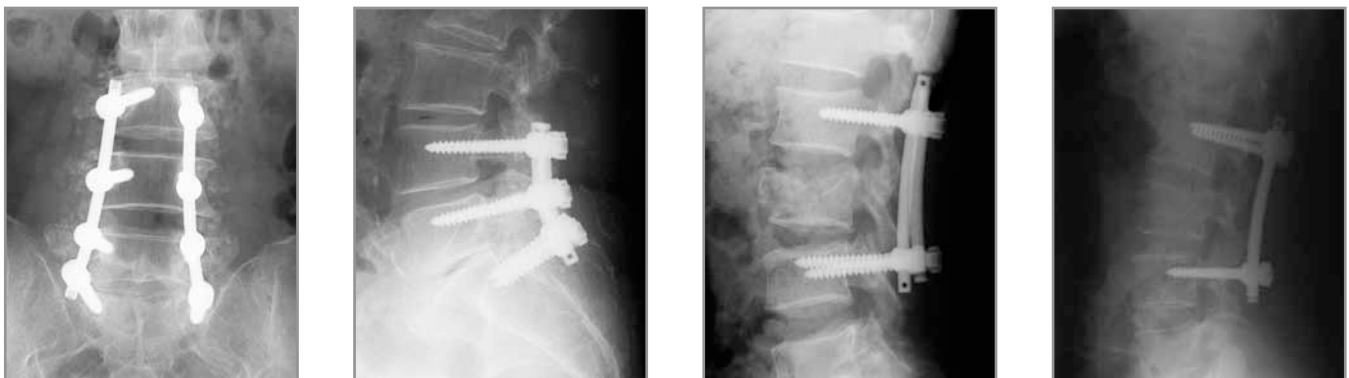
- ▷ With a wide range of diameter and lengths, a finely engineered ULC screw satisfies any patient's anatomy.

All you have to do is to simply mount the ULC cap to the screw and just rotate the ULC cap

- ▷ Security
- ▷ Strength of low profile
- ▷ Reduced operative time
- ▷ Exceptionally simple assembling
- ▷ Low profile
- ▷ Improve safety and strength
- ▷ Easier handling
- ▷ Cost-effective advance in spinal instrumentation



post operative X-ray



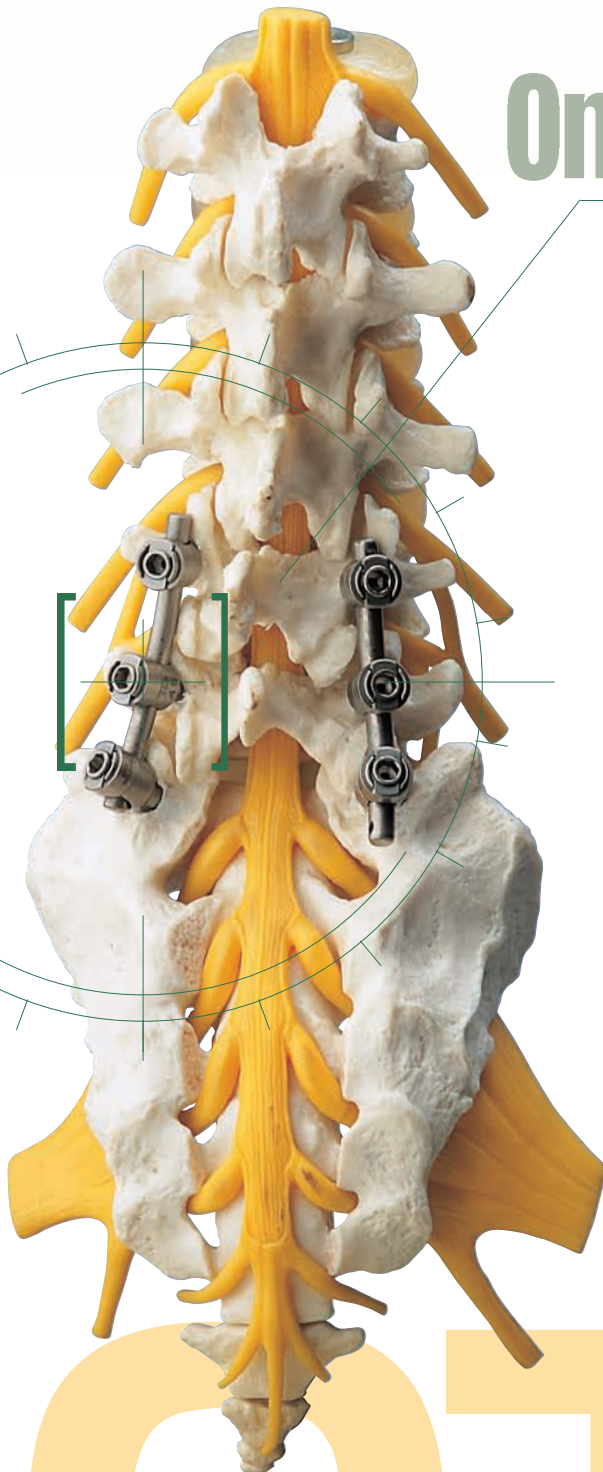
Surgical instruments



One touch system

The ULC spinal system designed for today's spinal surgeons and patients

- ▷ So far, The complex parts of pedicle spinal screw system require longer operation time to assemble the system and often challenge to even the skilled surgeons.
- ▷ To date, few companies have addressed the critical issues of pedicle spinal instrumentation screw system.
- ▷ Finally, the latest advance in spinal technology have made the traditional time consuming and intricate complex assembly procedures easier to assemble by using the newly simplified single procedure of unitary locking cap mechanism.



One touch unitary single cap system



ULC spinal pedicle screw system



OTIS



ULC Specification

Mono screw

Cat. No	Description
MS-40025	Pedicle screws ϕ 4.0 x 25 mm
MS-40030	Pedicle screws ϕ 4.0 x 30 mm
MS-40035	Pedicle screws ϕ 4.0 x 35 mm
MS-40040	Pedicle screws ϕ 4.0 x 40 mm
MS-40045	Pedicle screws ϕ 4.0 x 45 mm
MS-40050	Pedicle screws ϕ 4.0 x 50 mm
MS-45025	Pedicle screws ϕ 4.5 x 25 mm
MS-45030	Pedicle screws ϕ 4.5 x 30 mm
MS-45035	Pedicle screws ϕ 4.5 x 35 mm
MS-45040	Pedicle screws ϕ 4.5 x 40 mm
MS-45045	Pedicle screws ϕ 4.5 x 45 mm
MS-45050	Pedicle screws ϕ 4.5 x 50 mm
MS-50025	Pedicle screws ϕ 5.0 x 25 mm
MS-50030	Pedicle screws ϕ 5.0 x 30 mm
MS-50035	Pedicle screws ϕ 5.0 x 35 mm
MS-50040	Pedicle screws ϕ 5.0 x 40 mm
MS-50045	Pedicle screws ϕ 5.0 x 45 mm
MS-55025	Pedicle screws ϕ 5.5 x 25 mm
MS-55030	Pedicle screws ϕ 5.5 x 30 mm
MS-55035	Pedicle screws ϕ 5.5 x 35 mm
MS-55040	Pedicle screws ϕ 5.5 x 40 mm
MS-55045	Pedicle screws ϕ 5.5 x 45 mm
MS-60030	Pedicle screws ϕ 6.0 x 30 mm
MS-60035	Pedicle screws ϕ 6.0 x 35 mm
MS-60040	Pedicle screws ϕ 6.0 x 40 mm
MS-60045	Pedicle screws ϕ 6.0 x 45 mm
MS-60050	Pedicle screws ϕ 6.0 x 50 mm
MS-65030	Pedicle screws ϕ 6.5 x 30 mm
MS-65035	Pedicle screws ϕ 6.5 x 35 mm
MS-65040	Pedicle screws ϕ 6.5 x 40 mm
MS-65045	Pedicle screws ϕ 6.5 x 45 mm
MS-65050	Pedicle screws ϕ 6.5 x 50 mm
MS-70030	Pedicle screws ϕ 7.0 x 30 mm
MS-70035	Pedicle screws ϕ 7.0 x 35 mm
MS-70040	Pedicle screws ϕ 7.0 x 40 mm
MS-70045	Pedicle screws ϕ 7.0 x 45 mm
MS-70050	Pedicle screws ϕ 7.0 x 50 mm
MS-80030	Pedicle screws ϕ 8.0 x 30 mm
MS-80035	Pedicle screws ϕ 8.0 x 35 mm
MS-80040	Pedicle screws ϕ 8.0 x 40 mm
-	-

Long-Arm screws

Cat. No	Description
LS-40025	Pedicle screws ϕ 4.0 x 25 mm
LS-40030	Pedicle screws ϕ 4.0 x 30 mm
LS-40035	Pedicle screws ϕ 4.0 x 35 mm
LS-40040	Pedicle screws ϕ 4.0 x 40 mm
LS-40045	Pedicle screws ϕ 4.0 x 45 mm
LS-40050	Pedicle screws ϕ 4.0 x 50 mm
LS-45025	Pedicle screws ϕ 4.5 x 25 mm
LS-45030	Pedicle screws ϕ 4.5 x 30 mm
LS-45035	Pedicle screws ϕ 4.5 x 35 mm
LS-45040	Pedicle screws ϕ 4.5 x 40 mm
LS-45045	Pedicle screws ϕ 4.5 x 45 mm
LS-45050	Pedicle screws ϕ 4.5 x 50 mm
LS-50025	Pedicle screws ϕ 5.0 x 25 mm
LS-50030	Pedicle screws ϕ 5.0 x 30 mm
LS-50035	Pedicle screws ϕ 5.0 x 35 mm
LS-50040	Pedicle screws ϕ 5.0 x 40 mm
LS-50045	Pedicle screws ϕ 5.0 x 45 mm
LS-55025	Pedicle screws ϕ 5.5 x 25 mm
LS-55030	Pedicle screws ϕ 5.5 x 30 mm
LS-55035	Pedicle screws ϕ 5.5 x 35 mm
LS-55040	Pedicle screws ϕ 5.5 x 40 mm
LS-55045	Pedicle screws ϕ 5.5 x 45 mm
LS-60030	Pedicle screws ϕ 6.0 x 30 mm
LS-60035	Pedicle screws ϕ 6.0 x 35 mm
LS-60040	Pedicle screws ϕ 6.0 x 40 mm
LS-60045	Pedicle screws ϕ 6.0 x 45 mm
LS-60050	Pedicle screws ϕ 6.0 x 50 mm
LS-65030	Pedicle screws ϕ 6.5 x 30 mm
LS-65035	Pedicle screws ϕ 6.5 x 35 mm
LS-65040	Pedicle screws ϕ 6.5 x 40 mm
LS-65045	Pedicle screws ϕ 6.5 x 45 mm
LS-65050	Pedicle screws ϕ 6.5 x 50 mm
LS-70030	Pedicle screws ϕ 7.0 x 30 mm
LS-70035	Pedicle screws ϕ 7.0 x 35 mm
LS-70040	Pedicle screws ϕ 7.0 x 40 mm
LS-70045	Pedicle screws ϕ 7.0 x 45 mm
LS-80030	Pedicle screws ϕ 8.0 x 30 mm
LS-80035	Pedicle screws ϕ 8.0 x 35 mm
LS-80040	Pedicle screws ϕ 8.0 x 40 mm
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Hole screw

Cat. No	Description
HS-40025	Pedicle screws ϕ 4.0 x 25 mm
HS-40030	Pedicle screws ϕ 4.0 x 30 mm
HS-40035	Pedicle screws ϕ 4.0 x 35 mm
HS-40040	Pedicle screws ϕ 4.0 x 40 mm
HS-40045	Pedicle screws ϕ 4.0 x 45 mm
HS-40050	Pedicle screws ϕ 4.0 x 50 mm
HS-45025	Pedicle screws ϕ 4.5 x 25 mm
HS-45030	Pedicle screws ϕ 4.5 x 30 mm
HS-45035	Pedicle screws ϕ 4.5 x 35 mm
HS-45040	Pedicle screws ϕ 4.5 x 40 mm
HS-45045	Pedicle screws ϕ 4.5 x 45 mm
HS-45050	Pedicle screws ϕ 4.5 x 50 mm
HS-50025	Pedicle screws ϕ 5.0 x 25 mm
HS-50030	Pedicle screws ϕ 5.0 x 30 mm
HS-50035	Pedicle screws ϕ 5.0 x 35 mm
HS-50040	Pedicle screws ϕ 5.0 x 40 mm
HS-50045	Pedicle screws ϕ 5.0 x 45 mm
HS-55025	Pedicle screws ϕ 5.5 x 25 mm
HS-55030	Pedicle screws ϕ 5.5 x 30 mm
HS-55035	Pedicle screws ϕ 5.5 x 35 mm
HS-55040	Pedicle screws ϕ 5.5 x 40 mm
HS-55045	Pedicle screws ϕ 5.5 x 45 mm
HS-60030	Pedicle screws ϕ 6.0 x 30 mm
HS-60035	Pedicle screws ϕ 6.0 x 35 mm
HS-60040	Pedicle screws ϕ 6.0 x 40 mm
HS-60045	Pedicle screws ϕ 6.0 x 45 mm
HS-60050	Pedicle screws ϕ 6.0 x 50 mm
HS-60055	Pedicle screws ϕ 6.0 x 55 mm
HS-65030	Pedicle screws ϕ 6.5 x 30 mm
HS-65035	Pedicle screws ϕ 6.5 x 35 mm
HS-65040	Pedicle screws ϕ 6.5 x 40 mm
HS-65045	Pedicle screws ϕ 6.5 x 45 mm
HS-65050	Pedicle screws ϕ 6.5 x 50 mm
HS-65055	Pedicle screws ϕ 6.5 x 55 mm
HS-70030	Pedicle screws ϕ 7.0 x 30 mm
HS-70035	Pedicle screws ϕ 7.0 x 35 mm
HS-70040	Pedicle screws ϕ 7.0 x 40 mm
HS-70045	Pedicle screws ϕ 7.0 x 45 mm
HS-70050	Pedicle screws ϕ 7.0 x 50 mm
MS-80035	Pedicle screws ϕ 8.0 x 30 mm
MS-80040	Pedicle screws ϕ 8.0 x 35 mm

ULC
Spinal pedicle screw system



Poly-Axial screw

Cat. No	Description
SPS-40025	Pedicle screws ϕ 4.0 x 25 mm
SPS-40030	Pedicle screws ϕ 4.0 x 30 mm
SPS-45025	Pedicle screws ϕ 4.5 x 25 mm
SPS-45030	Pedicle screws ϕ 4.5 x 30 mm
SPS-50025	Pedicle screws ϕ 5.0 x 25 mm
SPS-50030	Pedicle screws ϕ 5.0 x 30 mm
SPS-50035	Pedicle screws ϕ 5.0 x 35 mm
SPS-50040	Pedicle screws ϕ 5.0 x 40 mm
SPS-50045	Pedicle screws ϕ 5.0 x 45 mm
SPS-55025	Pedicle screws ϕ 5.5 x 25 mm
SPS-55030	Pedicle screws ϕ 5.5 x 30 mm

Cat. No	Description
SPS-55035	Pedicle screws ϕ 5.5 x 35 mm
SPS-55040	Pedicle screws ϕ 5.5 x 40 mm
SPS-55045	Pedicle screws ϕ 5.5 x 45 mm
SPS-60030	Pedicle screws ϕ 6.0 x 30 mm
SPS-60035	Pedicle screws ϕ 6.0 x 35 mm
SPS-60040	Pedicle screws ϕ 6.0 x 40 mm
SPS-60045	Pedicle screws ϕ 6.0 x 45 mm
SPS-60050	Pedicle screws ϕ 6.0 x 50 mm
SPS-65030	Pedicle screws ϕ 6.5 x 30 mm
SPS-65035	Pedicle screws ϕ 6.5 x 35 mm
SPS-65040	Pedicle screws ϕ 6.5 x 40 mm

Cat. No	Description
SPS-65045	Pedicle screws ϕ 6.5 x 45 mm
SPS-65050	Pedicle screws ϕ 6.5 x 50 mm
SPS-70030	Pedicle screws ϕ 7.0 x 30 mm
SPS-70035	Pedicle screws ϕ 7.0 x 35 mm
SPS-70040	Pedicle screws ϕ 7.0 x 40 mm
SPS-70045	Pedicle screws ϕ 7.0 x 45 mm
SPS-70050	Pedicle screws ϕ 7.0 x 50 mm
SPS-80030	Pedicle screws ϕ 8.0 x 30 mm
SPS-80035	Pedicle screws ϕ 8.0 x 35 mm
SPS-80040	Pedicle screws ϕ 8.0 x 40 mm
-	-

Rod

Cat. No	Description
ROD-60040	Rod ϕ 6.0 x 40 mm
ROD-60050	Rod ϕ 6.0 x 50 mm
ROD-60060	Rod ϕ 6.0 x 60 mm
ROD-60070	Rod ϕ 6.0 x 70 mm
ROD-60080	Rod ϕ 6.0 x 80 mm
ROD-60090	Rod ϕ 6.0 x 90 mm
ROD-60100	Rod ϕ 6.0 x 100 mm
ROD-60110	Rod ϕ 6.0 x 110 mm

Cat. No	Description
ROD-60120	Rod ϕ 6.0 x 120 mm
ROD-60130	Rod ϕ 6.0 x 130 mm
ROD-60140	Rod ϕ 6.0 x 140 mm
ROD-60150	Rod ϕ 6.0 x 150 mm
ROD-60160	Rod ϕ 6.0 x 160 mm
ROD-60180	Rod ϕ 6.0 x 180 mm
ROD-60200	Rod ϕ 6.0 x 200 mm
ROD-60250	Rod ϕ 6.0 x 250 mm

Cat. No	Description
ROD-60280	Rod ϕ 6.0 x 280 mm
ROD-60300	Rod ϕ 6.0 x 300 mm
ROD-60350	Rod ϕ 6.0 x 350 mm
ROD-60400	Rod ϕ 6.0 x 400 mm
ROD-60450	Rod ϕ 6.0 x 450 mm
ROD-60500	Rod ϕ 6.0 x 500 mm
ROD-60550	Rod ϕ 6.0 x 550 mm
ROD-60600	Rod ϕ 6.0 x 600 mm