





INDICATIONS FOR USE

The Kestrel Buttress Plate System is indicated for use to stabilize the allograft or autograft at one level (L1-S1) as an aid to spinal fusion and to provide temporary stabilization and augment development of a solid spinal fusion. It may be used alone or with other anterior, or anterolateral spinal systems made of compatible materials. This device is not intended for load bearing applications.

For additional product information including warnings, precautions and adverse effects concerning spinal fixation implants refer to the Instructions for Use (IFU).

CONTRAINDICATIONS (EXCLUSION CRITERIA):

Use of this system is contraindicated when there is active systemic infection, infection localized to the site of the proposed implantation, or when the patient has demonstrated allergy or foreign body sensitivity to any of the implant materials.

Severe osteoporosis may prevent adequate fixation and thus preclude the use of this or any other orthopaedic implant.

Conditions that may place excessive stress on the bone and implant, such as severe obesity or degenerative diseases are relative contraindications. The decision whether to use these devices under these conditions must be made by the physician taking into account the risks versus the benefits to the patient.

Use of these implants is relatively contraindicated in patients whose activity, mental capacity, mental illness, alcoholism, drug abuse, occupation, or lifestyle may interfere with their ability to follow postoperative restrictions and who may place undue stresses on the implant during bone healing and may be at a higher risk of implant failure.

\triangle WARNING:

- This device is not approved for screw attachment to the posterior elements (pedicles) of the cervical, thoracic or lumbar spine.
- Mixing of dissimilar metals can accelerate the corrosion process, Stainless steel and Titanium implants must not be used together in building a construct.
- As with all orthopaedic implants, the Kestrel Buttress Plate System should not be reused.

KESTREL® BUTTRESS PLATE SYSTEM

PRODUCT OVERVIEW

The Kestrel Buttress Plate system is an anterolateral vertebral fusion plate designed to prevent migration or expulsion of intervertebral devices. The Kestrel implant features a bi-convex profile to match patient anatomy, a large graft viewing window and integrated fixation spikes to prevent rotation. Straight forward, tapered self-tapping screws simplify plate fixation and reduce operating time.





IMPLANT OVERVIEW

KESTREL[®] IMPLANT

▶ IMPLANT BODY

- Bi-convex design to match patient anatomy.
- Dual anti-rotation spikes.
- Large graft viewing window.
- 8° Lordotic angle.
- Up to 25° lordotic angle contouring with the LS-452 plate bender.
- 13° Conical screw variability.
- Additonal 20° sagittal screw insertion angle.
- Color coded for easy size identification.
- 3 Footprints
 - 17 x 20mm
 - 17 x 24mm
 - 17 x 28mm







IMPLANT OVERVIEW

KESTREL® IMPLANT (CONT.)

▶ SCREWS

- 5.5mm diameter bone screws.
- 6.5mm rescue screw.
- Tapered self-tapping thread design.
- Self-retaining hexalobe drive feature.
- 20, 25 and 30mm lengths.
- Color coded for easy identification.

5.5mm SCREWS



20mm



25mm



30mm

6.5mm RESCUE SCREW



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INSTRUMENTS OVERVIEW

INSTRUMENTS



LA-184 Universal Ratchet Handle





INSTRUMENTS OVERVIEW

INSTRUMENTS (CONT.)



LS-321 Slide Hammer



LS-322 2 LB Mallet



PREPARATION

After placing either allograft or autograft material between the vertebrae, the vertebral surface should be prepared so there is a smooth and level surface for plate placement.





PLATE CONTOURING (OPTIONAL)

All plates in the Kestrel System are pre-lordosed. If necessary, additional countouring can be achieved using the LS-452 Plate Bender.

∧ Note: Repeated bending may weaken the plate.





ATTACH IMPLANT TO INSERTER

Once the appropriate plate has been sized and selected, attach it to the Inserter. Rotate the collar clockwise on the Inserter to assure a secure fit.





IMPLANT INSERTION

Position the buttress plate so the bone screw hole and anti-rotation spikes are located over the vertebral body.

Temporarily attach the buttress plate to the vertebral body. Using a mallet, tap the inserter so the plate sits flush and the antirotation spikes are fully engaged into the vertebral body.



SCREW HOLE PREPARATION

Insert the distal end of the bone awl into the cannulated shaft of the inserter. Using the Mallet, strike the Awl to pierce the bone and create a pilot hole.

Remove the bone awl from the inserter.

▲ Note: The bone awl provides a maximum of 15mm of pilot hole depth.



SCREW INSERTION

Attach the ratcheting handle to the proximal end of the screw driver.

Select the desired length screw and fix it to the distal end of the self-retaining screw driver.

Insert the screw driver through the cannulated shaft of the inserter.

Drive the screw until it is fully seated inside the implant.



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SCREW INSERTION (CONT.)

Remove the screw driver from the inserter.

Rotate the collar counterclockwise to unlock the inserter from the implant.

Rock the inserter slightly to detach it from the implant.

∧ Note: Confirm the screw head is seated completely and recessed below the surface of the implant.





IMPLANT REMOVAL/REVISION

Should it become necessary to remove the Kestrel implant, the following steps should be followed:

Soft tissue on the surface of the implant should be removed for sufficient implant visualization.

Attach the inserter to the implant. Rotate the collar clockwise to lock the inserter to the implant.

Insert the screw driver through the cannulated shaft of the inserter and engage the bone screw.

Rotate the screw driver counterclockwise to remove the bone screw.

Once the screw has been removed, the implant can be removed.

If necessary the Slide Hammer can be attached to the Inserter for additional removal force.



IMPLANTS

SMALL FOOTPRINT		MEDIL	MEDIUM FOOTPRINT		LARGE FOOTPRINT		
Part No.	Size	Part No.	Size	Par	t No.	Size	
UT20	17W x 20L	UT24	17W x 24L	UT28	}	17W x 28L	

BONE SCREWS

Part No.	Size
UT5520	5.5mm X 20mm
UT5525	5.5mm X 25mm
UT5530	5.5mm X 30mm
UT6520	6.5mm X 20mm

INSTRUMENTS

Part No. Description LS-434 INSERTER LS-435 BONE AWL LS-436 SCREW DRIVER LS-452 PLATE BENDER LS-321 SLIDE HAMMER LS-322 MALLET, 2LB LA-184 UNIVERSAL RATCHET HANDLE





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