

Lumbar Spine models for minimal invasive surgery

To assist in training the use of instruments for minimal invasive surgery, SYNBONE offers a selection of suitable lumbar spine models. The selection varies from a modular stand with different replacement spines and a model with spine bed and structure mainly used for training correct surgical puncture.

Lumbar modular stand

The great advantage of this model is the flexibility of the setup as a whole. Various spine models can be used for different training purposes. On top of the holder is a soft tissue skin which can be replaced as needed. The lateral view to the spine enables you to assess the positioning of your instruments and implants and the end-result of the training exercise.



PR1232 Complete model with holder, spine and skin

Description	LDPR1232 Large lumbar Spine L1-Sacrum with Spine holder and Skin cover
Dimensions	Length: 294mm. Width: 204mm. Height: 170mm
Material	Various material
Remarks	Used for minimal invasive surgery with specially designed models LDPR1232 Spine lumbar L1-L5 Sacrum or LDPR1423 Spine lg lumbar L1-L5 Sacrum and LDPR1232.10 Spine lg lumbar L1-L5 Sacrum
Option	replacement Skin: PR1232.10 Skin cover 280x200x12mm

Spine Option:



LDPR1232 Spine lg lumbar L1-L5 Sacrum fx

Description	Large lumbar Spine from L1 to Sacrum with predrilled pedicle holes and L3 wedge
Dimensions	Overall length: 230mm, Diameter of the pedicle holes: 5.5mm
Material	Solid foam low density. Disk: soft flexible foam
Fracture	L3 wedge fracture
Remarks	From L1 to sacrum with pedicle holes Ø5.5mm
Option	Used for minimal invasive access with PR1232.30 Spine lg holder and PR1232.10 Skin cover 280x200x12mm



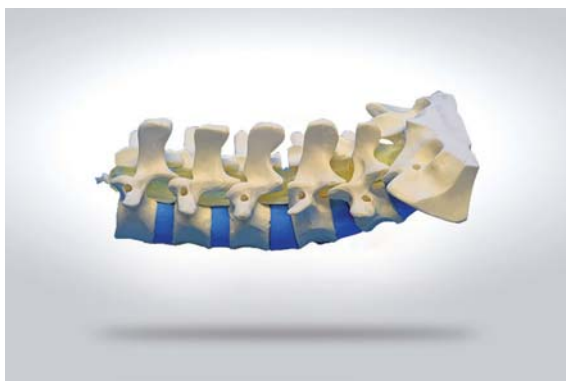
LDPR1423 Spine lg lumbar L1-L5 Sacrum

Description	Large lumbar Spine from L1 to Sacrum with pre-drilled pedicle holes
Dimensions	Overall length: 230mm. Diameter pedicle holes: 5.5mm
Material	Solid foam low density. Disk: soft flexible foam
Fracture	L3 shifted 6mm
Option	Used for minimal invasive access with PR1232.30 Spine lg holder and PR1232.10 Skin cover

PRODUCT DETAILS

SYNBONE®

better education outcome



LDPR1423.8 Spine Ig lumbar L1-L5 Sacrum

Description	Large lumbar Spine from L1 to Sacrum with pre-drilled pedicle holes, transparent dura
Dimensions	Overall length: 230mm. Diameter pedicle holes:
Material	Solid foam low density. Disk: soft flexible foam Dura: PE Cord: gelling agents
Fracture	L3 shifted 6mm
Remarks	Spine Dura Storage life is 6 months from production date
Options	Used for minimal invasive access with PR1232.30 Spine Ig holder and PR1232.10 Skin cover

All these models have predrilled pedicle holes of \varnothing 5.5mm to save time in the training workshop

LDPR1232.10 Spine Ig lumbar L1-L5 Sacrum

This is a complete intact model offering all educational options.

Skin options



PR1232.10 Skin repl. part

Description	Skin cover with foam, silicone Skin and matrix
Dimensions	Length: 280mm. Width: 200mm. Thickness: 12mm
Material	PU foam and silikon
Remarks	With 14 assembled holes for use with Spine holder PR1232.20



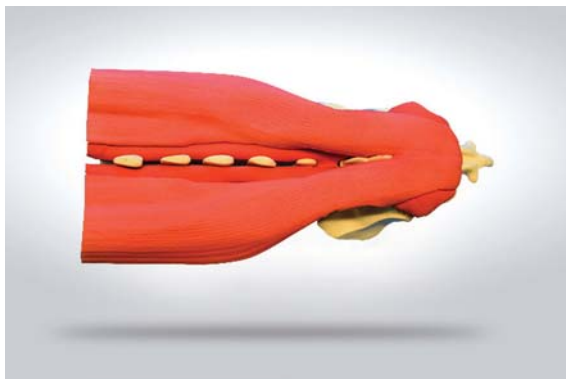
PR1232.15 Skin repl. part

Description	Skin cover with artificial leather
Dimensions	Length: 280mm. Width: 200mm. Thickness: 2mm
Material	artificial leather
Remarks	With 14 assembled holes for use with Spine

Lumbar Spine Models with Muscles and Skin

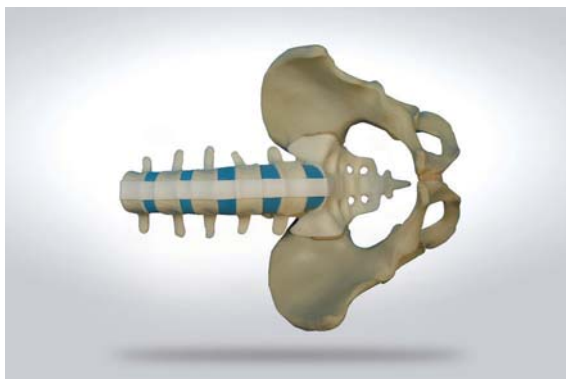
The muscle set consisting of bilateral multifidus and erector spine muscles can be combined with all existing SYNBONE Lumbar Spines.

The following models are available for you to order:



LD9379.0 Spine Ig Lumbar L1-L5 Sacrum

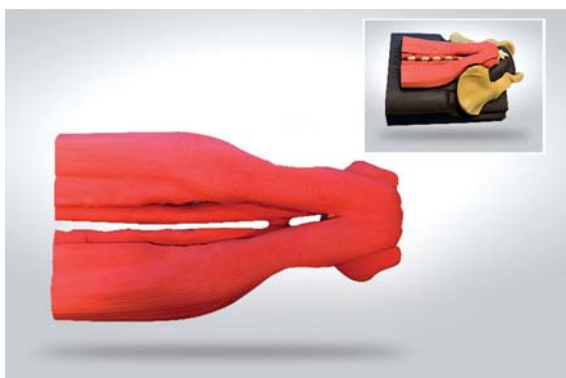
Description	Large Lumbar Spine section from L1 to Sacrum with bilateral multifidus and erector
Dimensions	Overall length: 335 mm
Material	Spine: Solid foam low density. Disk: soft flexible foam Muscles: soft PUR
Fracture	Intact model
Remarks	Model used for Minimally Invasive Surgery (MIS)



LDPR1335 Pelvis L1-Sacrum Ig, structure

Description	Pelvis with Sacrum and large L1-L5 vertebra with bilateral multifidus, erector spine muscles and skin
Dimensions	Width: 305mm. Height: 350mm
Material	Cortical low density foam. Hemi-Pelvis: Solid foam. Dense cancellous
Fracture	Intact model
Remarks	Also available with white metallic coating for Radiopaque used for C-scans (LDPR1335.9)

Available replacement parts for LDPR1335



PR1501.10

Muscle spine lumbar L1 - Sacrum

PRODUCT DETAILS

SYNBONE®

better education outcome



PR1549.10 Skin repl part with stripes

Description	Skin cover with foam, silicone Skin including matrix and stripes of velcro for fixation
Dimensions	Length: 280mm. Width: 410mm. Thickness: 12mm
Material	PU foam and silikon
Remarks	use for Spine bed PR1329 Spine lg bed ant. Lumbar Pelvis

The following matching spine beds are available:



PR1309 Spine lg bed ant. Lumbar

Description	Large lumbar Spine bed for posterior access
Dimensions	500 x 200 x 200 mm
Material	PE Solid foam
Remarks	Corresponds to all lumbar large spine models. Delivery without spine model



PR1329 Spine lg bed ant. Lumbar Pelvis

Description	Large lumbar Spine bed for Pelvis with L1 to Sacrum for posterior access
Dimensions	410 x 280 x 240 mm
Material	PE Solid foam
Remarks	Corresponds to all lumbar large spine models L1 to sacrum with pelvis. Delivery without bone model
Options	PR1549.10 Skin repl. part with stripes and PR1501.10 Muscle spine lumbar L1 - Sacrum

Optional

An additional nerve root can be added to any of the above spine models. Please contact us for more information.

All SYNBONE Spine models have the following technical advantages:

- Detailed and realistic anatomy
- Better surface around the pedicle for the placement of pedicle screw
- Thanks to the low dense cortical material, screws can be inserted with much less force, resulting in a more realistic and successful outcome for the participants during the training workshop.

As details make the difference SYNBONE is your preferred partner for better education outcome.

Customized solutions are also available, please contact us if you need another model definition.

SYNBONE worldwide contact information – sales@synbone.com