

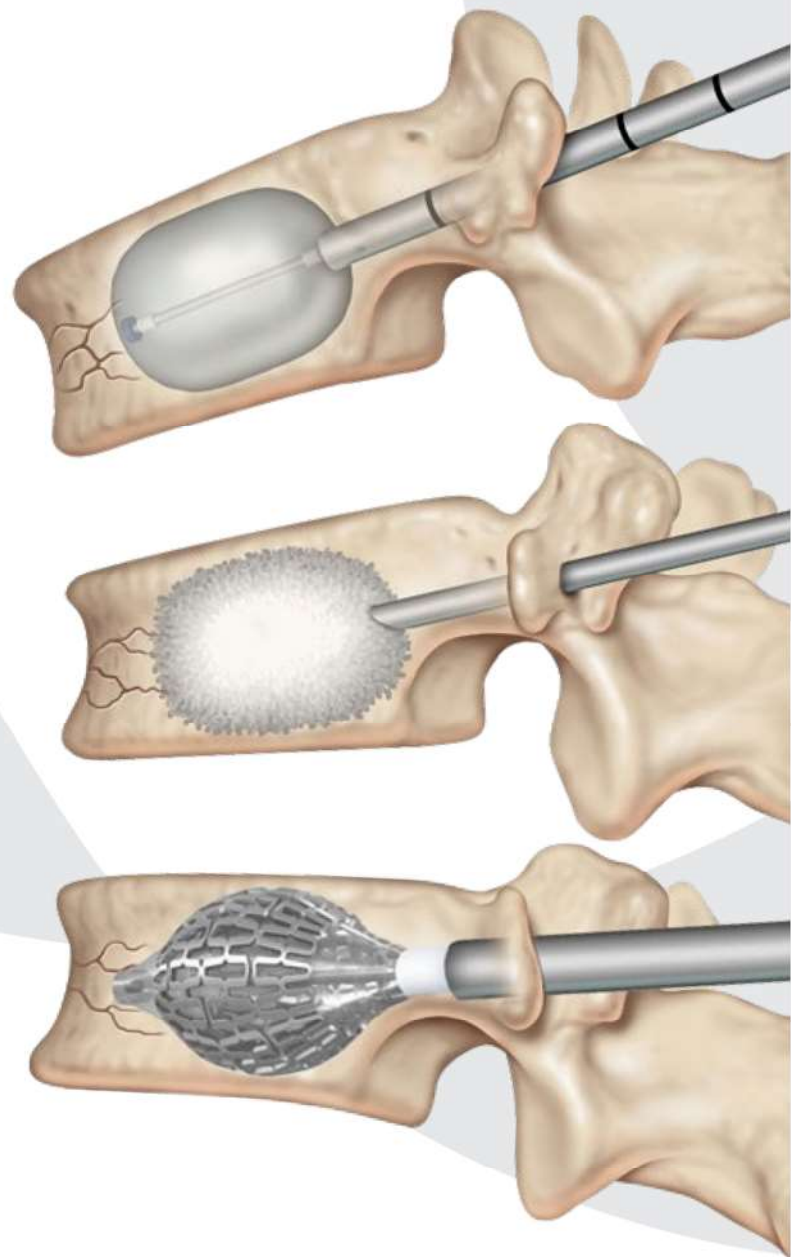
Vertebral Body Augmentation

Complete Procedural Solutions.

Flexibility to Choose.

Personalized Patient Care.

Choices to accommodate your surgical approach and your patient's individual needs — because no two fractures are alike.



DePuy Synthes offers you complete procedural solutions for the personalized treatment of vertebral compression fractures, giving you the flexibility to choose the most appropriate solution.



Choices to accommodate your surgical ap

VERTEBRAL AUGMENTATION



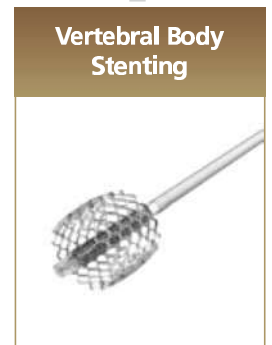
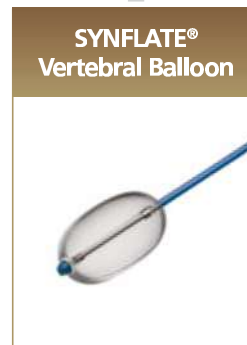
Bone Access

Choose an access kit



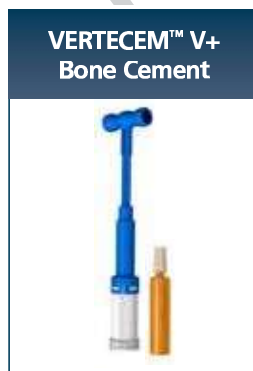
Cavity Creation

Choose an instrument



Cement Delivery

Choose a cement and delivery system

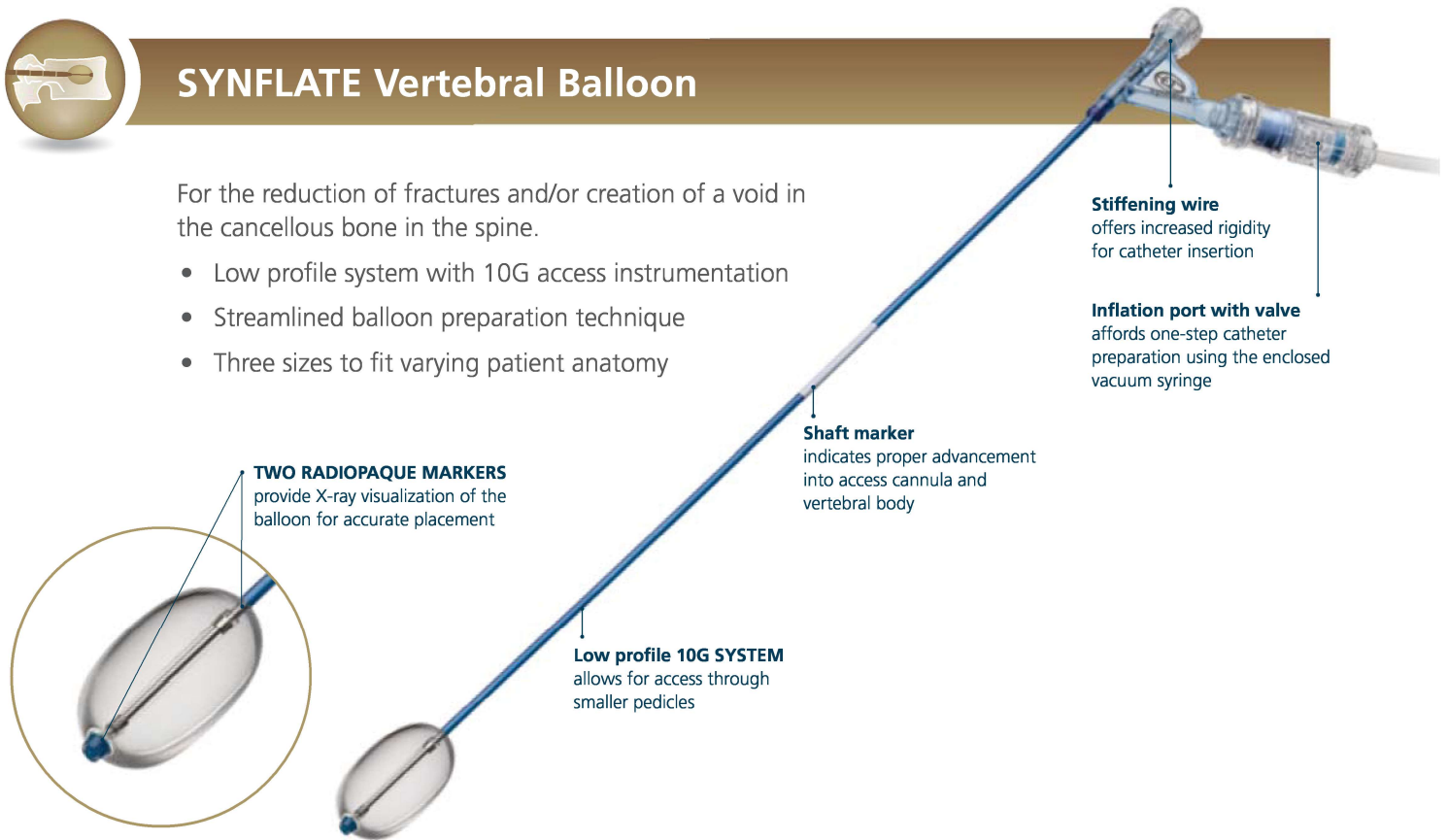




SYNFLATE Vertebral Balloon

For the reduction of fractures and/or creation of a void in the cancellous bone in the spine.

- Low profile system with 10G access instrumentation
- Streamlined balloon preparation technique
- Three sizes to fit varying patient anatomy



Stiffening wire
offers increased rigidity for catheter insertion




Inflation port with valve
affords one-step catheter preparation using the enclosed vacuum syringe

Shaft marker
indicates proper advancement into access cannula and vertebral body

Low profile 10G SYSTEM
allows for access through smaller pedicles

TWO RADIOPAQUE MARKERS
provide X-ray visualization of the balloon for accurate placement

SYNFLATE Vertebral Balloon Options

DESCRIPTION	PRE-INFLATED LENGTH	MAXIMUM VOLUME	INFLATED MAXIMUM PRESSURE		CODE
Small	10 mm	4.0 ml	30 bar / 440 PSI		03.804.700S
Medium	15 mm	5.0 ml	30 bar / 440 PSI		03.804.701S
Large	20 mm	6.0 ml	30 bar / 440 PSI		03.804.702S

Inflation System

- Simple, easy-to-use inflation device
- Clear indication of volume and pressure during inflation



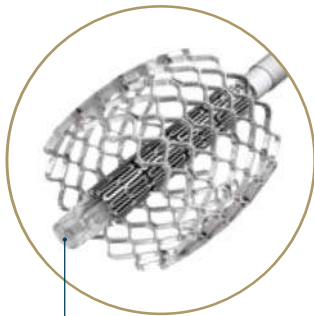
Inflation System
03.804.413S



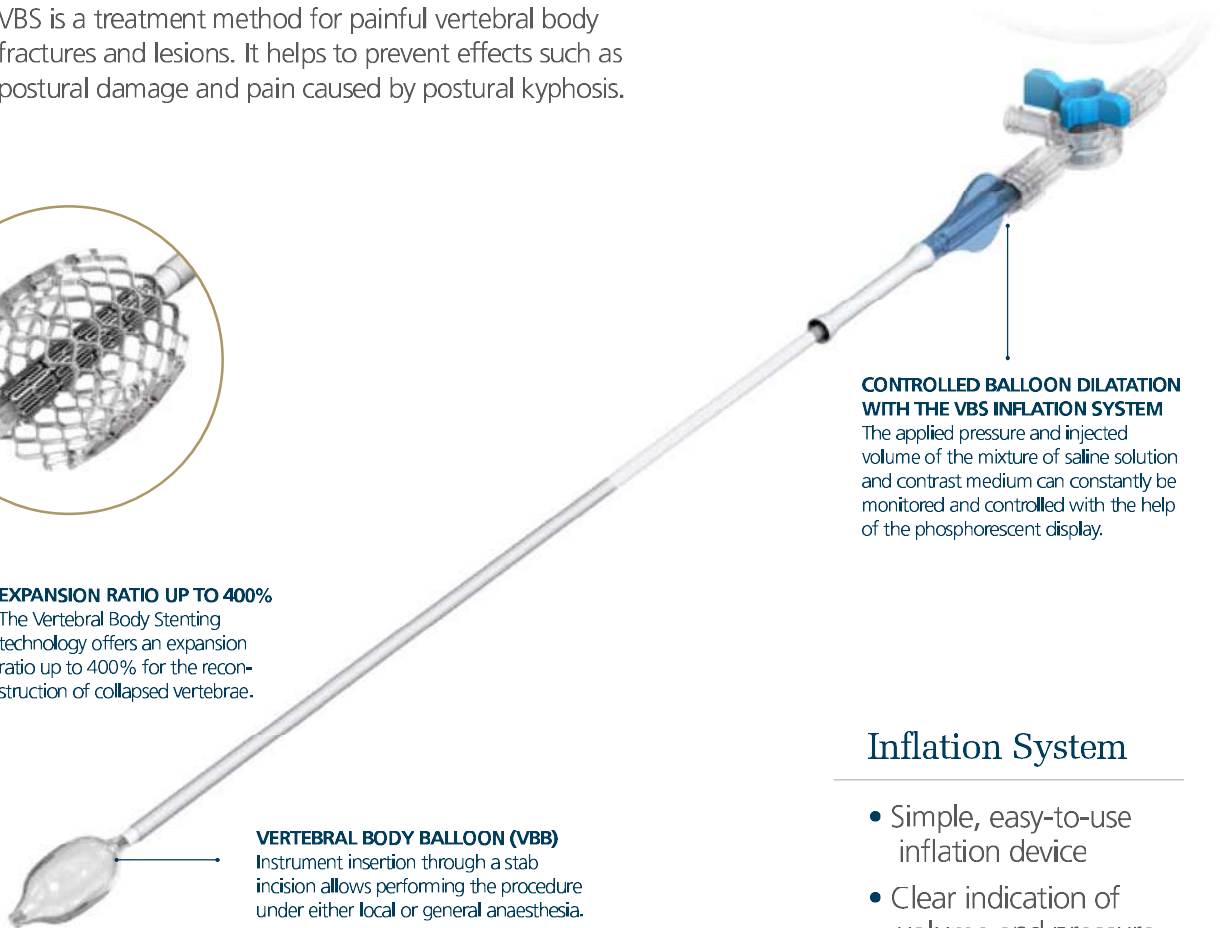


VBS – Vertebral Body Stenting System

VBS is a treatment method for painful vertebral body fractures and lesions. It helps to prevent effects such as postural damage and pain caused by postural kyphosis.



EXPANSION RATIO UP TO 400%
The Vertebral Body Stenting technology offers an expansion ratio up to 400% for the reconstruction of collapsed vertebrae.



VERTEBRAL BODY BALLOON (VBB)
Instrument insertion through a stab incision allows performing the procedure under either local or general anaesthesia.

CONTROLLED BALLOON DILATATION WITH THE VBS INFLATION SYSTEM
The applied pressure and injected volume of the mixture of saline solution and contrast medium can constantly be monitored and controlled with the help of the phosphorescent display.

Inflation System

- Simple, easy-to-use inflation device
- Clear indication of volume and pressure during inflation



Inflation System
03.804.413S

Vertebral Body Stent Options

DESCRIPTION	PRE-INFLATED LENGTH	MAXIMUM VOLUME	INFLATED MAXIMUM PRESSURE		CODE
VERTEBRAL BODY STENT					
Small	22 mm	4.5 ml	30 ATM / 440 PSI		09.804.500S
Medium	27 mm	5.0 ml	30 ATM / 440 PSI		09.804.501S
Large	31 mm	5.5 ml	30 ATM / 440 PSI		09.804.502S
VERTEBRAL BODY STENT WITH BALLOON					
Small	22 mm	4.0 ml	30 ATM / 440 PSI		09.804.600S
Medium	27 mm	4.5 ml	30 ATM / 440 PSI		09.804.601S
Large	31 mm	5.0 ml	30 ATM / 440 PSI		09.804.602S



VBS – Vertebral Body Stenting System

Minimally invasive, percutaneous, reconstructive treatment for vertebral body fractures.



VBS – Vertebral Body Stenting System (continued)



Optional Vertebral Body Balloon pre-cavity creation

Simulation of stent expansion via balloon trialing allows fracture/lesion mobility confirmation.



Restoration through balloon dilatation and stent expansion

Simultaneous dilatation of the bilaterally positioned VBS Stents offers an in situ controlled and continuous expansion.



Augmentation with VERTECEM V+

VERTECEM V+ is a radiopaque, injectable polymethyl methacrylate cement, indicated for use in spine pathologies being treated using vertebroplasty or kyphoplasty procedures.