

Osteoporotic generic bones



Fragile osteoporotic generic bone structures

During the last few years SYNBONE has received many requests from customers for osteoporotic training models.

Many formulas of material were tried and tested in cooperation with our customers prior to the launch of this new line of product.

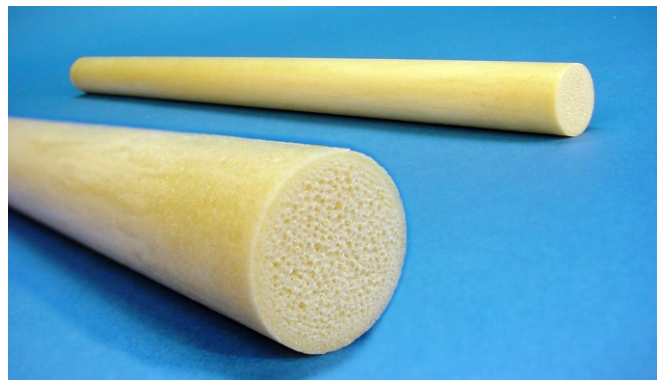
These models have been developed to demonstrate and train surgeons on a wide range of implants simulating osteoporotic conditions. Of particular value is the ability to train the correct amount of force required during screw placement without over tightening.

This new type of osteoporotic generic bone has a very light cancellous bone core covered by a thin and fragile layer of cortex.

These improvements will enhance the learning experience during the training of screw and implant placement particularly with regard to the difficulties that may be encountered when working on osteoporotic bone.

0080 Generic bone, osteoporotic

Description: Osteoporotic Generic bone
Dimension: Length: 380mm, diameter: 25mm
Material: Modified osteoporotic bone-like PUR
Fracture: Not fractured
Remarks: For screw testing and demonstration in osteoporotic-like situations.



0081 Generic bone set, osteoporotic, fractured

Description: Osteoporotic Generic bone set
Dimension: Length: 170mm, diameter: 25mm
Material: Modified osteoporotic bone-like PUR
Fracture: Transverse fracture (cut)
Remarks: For screw testing and demonstration in osteoporotic-like situations.



0080 Generic bone / Mechanical test results

Strip-out torque: 0.293 +/- 0.052Nm
Strip-out force: 0.323 +/- 0.023kN
Pull-out force: 0.360 +/- 0.033kN

Failure loads with a 4.0mm cancellous bone screw.

For more detailed information on the failure loads, please contact sales@synbone.ch

Please visit our online catalogue for our full generic assortment: <http://www.synbone.com>