

**BioTendSL™ Product
(Single Layer)**

Size (Width x Length)	Part Number
4 mm x 80 mm	Z020-80SL
4 mm x 160 mm	Z020-160SL
6 mm x 80 mm	Z021-80SL
6 mm x 160 mm	Z021-160SL
12 mm x 80 mm	Z022-80SL
25 mm x 80 mm	Z024-80SL

**BioTend™ Product
(Double Layer)**

Size (Width x Length)	Part Number
12 mm x 43 mm	Z008
25 mm x 25 mm	Z009-25
25 mm x 30 mm	Z009-30
25 mm x 35 mm	Z009-35
25 mm x 43 mm	Z009
40 mm x 30 mm	Z010-30
40 mm x 35 mm	Z010-35
40 mm x 43 mm	Z010



Applications

Shoulder



Knee



Foot
and
Ankle



BioTend™ and BioTendSL™ Functional Repair

Key Features

Designed to augment surgical repair of tendons, ligaments, and other soft tissues

Mechanical properties (stiffness and ultimate strength) are similar to human tendons

High suture retention strength, important for transferring loads between the device and the repair site

Woven surgical mesh, poly-L-lactic acid with slow degradation rate, retains >80% tensile strength after 9 months

Supports cell attachment, matrix deposition and tissue integration

Can be used arthroscopically or in open surgical procedures

Simplified surgical procedure for reinforcement devices

Pre Clinical and Human Case Studies

References

1. Human Case Series Study- Long-term successful arthroscopic repair of large and massive rotator cuff tears with a functional and degradable reinforcement device. CS Proctor. J Shoulder Elbow Surg. 2014 Apr 9. pii: S1058-2746(14)00041-X. doi: 10.1016/j.jse.2014.01.010. [Epub ahead of print]
2. Human Cadaveric Study - Improved time-zero biomechanical properties using poly-L-lactic acid graft augmentation in cadaveric rotator cuff repair model. McCarron JA, Milks RA, Chen X, Iannotti JP, Derwin KA. J Shoulder Elow Surg 2010; 19:688-696
3. Animal Study- Rotator Cuff Repair Augmentation in a Canine Model with Use of Woven Poly-L-Lactide Device. Derwin KA, Codsí MJ, Milks RA, Baker AR, McCarron JA, Iannotti JP. J Bone Joint Surg Am. 2009;91:1159-71
4. Cell and Matrix Growth Study- Growth factor-rich plasma increases tendon cell proliferation and matrix synthesis on a synthetic scaffold; an in vitro study. Visser LC, Arnoczky SP, Caballero O, Kern A, Ratcliffe A, Gardner KL. Tissue Eng Part A 2010;16:1021-1029