

# Femoral Tibial Spreaders with Measuring Scale – Small

*Helps separate the femur and tibia during total knee replacement surgery*

Designed to remain in position, with the femur and tibia separated, without the need of an assistant, and to minimize crushing the bone, even if osteoporotic. A wide unobstructed view of the posterior compartment is possible. Osteophytes on the posterior condyles of the femur and tibia can be seen and removed. The measuring scale on the spreader handle makes it possible for two spreaders to be used to assist the surgeon in balancing ligaments.

## Standard Grip

### PRODUCT NO'S:

#### SMALL WITH STANDARD GRIP

**1850** [Small with Standard Grip and Grooved Pads]

Overall Length: 7" (17,8 cm)

Pads: 23 x 12 mm

Opens to: 39 mm

**1850-D** [Small with Standard Grip and Diamond Cut Pads]

Overall Length: 7" (17,8 cm)

Pads: 21,9 x 14,5 mm

Opens to: 38 mm

**1850-01** [Small with Standard Grip and Coated Pads]

Overall Length: 7" (17,8 cm)

Pads: 18 x 15 mm

Opens to: 39 mm

**1865** [Small with Standard Grip and Round Pads]

Overall Length: 7" (17,8 cm)

Pads: 25 x 25 mm

Opens to: 39 mm



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## Small Grip Handle

### PRODUCT NO'S:

#### SMALL WITH SMALL GRIP

**1850-SG** [Small with Grooved Pads and Small Grip Handle]

Overall Length: 7" (17,8 cm)

Pads: 23 x 12 mm

Opens to: 39 mm

**1850-01-SG** [Small with Coated Pads and Small Grip Handle]

Overall Length: 7" (17,8 cm)

Pads: 18 x 15 mm

Opens to: 39 mm

**1865-SG** [Small with Round Pads and Small Grip Handle]

Overall Length: 7" (17,8 cm)

Pads: 25 x 25 mm

Opens to: 39 mm



## Locking Mechanism

### PRODUCT NO'S:

#### SMALL WITH LOCKING MECHANISM

**1850-LR** [Small with Locking Mechanism and Grooved Pads]

Overall Length: 7" (17,8 cm)

Pads: 23 x 12 mm

Opens to: 39 mm

**1865-LR** [Small with Locking Mechanism and Round Pads]

Overall Length: 7" (17,8 cm)

Pads: 25 x 25 mm

Opens to: 39 mm



Small with  
Standard Grip  
and Grooved Pads  
**#1850**

Small with  
Standard Grip  
and Diamond Cut Pads  
**#1850-D**  
(Not Shown)

Small with  
Standard Grip  
and Coated Pads  
**#1850-01**

Coated pads help protect component  
surfaces when implants are in place, and  
are slightly contoured to add stability against  
the curved articulating implant surfaces

Small with  
Standard Grip  
and Round Pads  
**#1865**



Grooved Pads

Diamond Cut Pads

Coated Pads

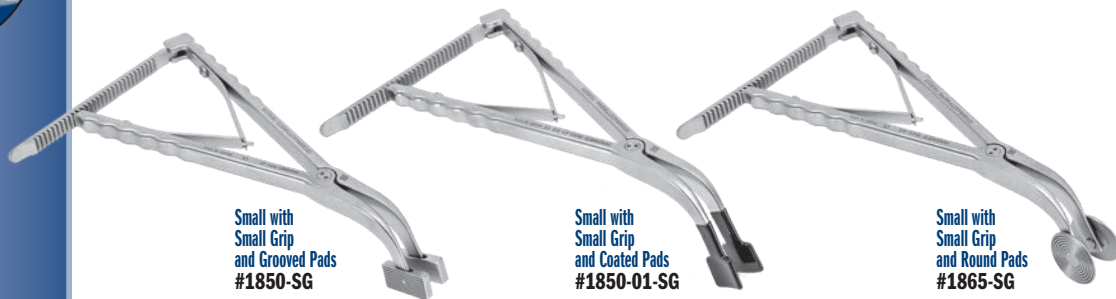
Round Pads

Small – 7"



Measuring scale in millimeters on the spreader handle

Designed with the grip closer together for easier gripping and to help reduce hand fatigue



Small with  
Small Grip  
and Grooved Pads  
**#1850-SG**

Small with  
Small Grip  
and Coated Pads  
**#1850-01-SG**

Small with  
Small Grip  
and Round Pads  
**#1865-SG**

Coated pads help protect component  
surfaces when implants are in place, and  
are slightly contoured to add stability against  
the curved articulating implant surfaces



Small with  
Locking Mechanism  
and Grooved Pads  
**#1850-LR**

Small with  
Locking Mechanism  
and Round Pads  
**#1865-LR**

Locking ratchet mechanism helps prevent  
accidental release, and provides for  
controlled adjustment and easy release

– See Reverse Side For Other Styles and Sizes –

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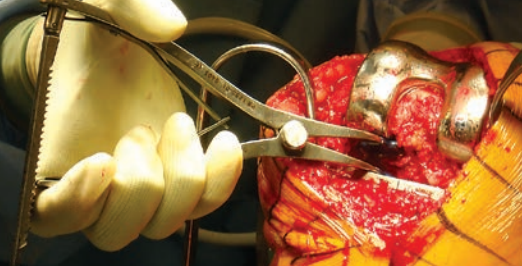
103 Estus Drive, Savannah, GA 31404  
info@innomed.net

912.236.0000 Phone  
912.236.7766 Fax

Innomed-Europe Tel. +41 41 740 67 74  
info@innomed-europe.com

1.800.548.2362

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# Femoral Tibial Spreaders with Measuring Scale – Medium & Large

*Helps separate the femur and tibia during total knee replacement surgery*

Designed to remain in position, with the femur and tibia separated, without the need of an assistant, and to minimize crushing the bone, even if osteoporotic. A wide unobstructed view of the posterior compartment is possible. Osteophytes on the posterior condyles of the femur and tibia can be seen and removed. The measuring scale on the spreader handle makes it possible for two spreaders to be used to assist the surgeon in balancing ligaments.

## Medium – Locking Mechanism

### PRODUCT NO'S:

#### MEDIUM WITH SPEED LOCK GRIP

**1855-SL** [Medium with Speed Lock Grip and Grooved Pads]

Overall Length: 10" (25,4 cm)

Pads: 23 x 14 mm

Opens to: 50 mm



Speed lock modification designed by Nasim A. Rana, MD

## Medium – Standard Grip

### PRODUCT NO'S:

#### MEDIUM WITH STANDARD HANDLE

**1855** [Medium with Standard Grip and Grooved Pads]

Overall Length: 10" (25,4 cm)

Pads: 23 x 14 mm

Opens to: 50 mm

**1855-D** [Medium with Standard Grip and Diamond Cut Pads]

Overall Length: 10" (25,4 cm)

Pads: 23 x 14 mm

Opens to: 50 mm

**1866** [Medium with Standard Grip and Round Pads]

Overall Length: 10" (25,4 cm)

Pads: 25 x 25 mm

Opens to: 50 mm



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## Large – Standard Grip

### PRODUCT NO'S:

#### LARGE WITH STANDARD GRIP

**1860** [Large with Standard Handle and Grooved Pads]

Overall Length: 12" (30,5 cm)

Pads: 25 x 16 mm

Opens to: 65 mm



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– See Reverse Side For Other Styles and Sizes –

Medium with  
Speed Lock and  
Grooved Pads  
#1855-SL

Speed lock helps allow precise  
control and prevent unintended release

Medium – 10"

Medium with  
Standard Grip  
and Grooved Pads  
#1855

Medium with  
Standard Grip and  
Diamond Cut Pads  
#1855-D  
(Not Shown)

Medium with  
Standard Grip  
and Round Pads  
#1866

Large with  
Standard Grip  
and Grooved Pads  
#1860

Large – 12"



Grooved Pads

Diamond Cut Pads

Round Pads



Measuring scale in millimeters on the spreader handle

### \* Accuracy Statement for devices with a measuring function:

Devices with a measuring function are considered non-critical, non-calibrated, and are intended for reference-only measurements. While it provides a helpful visual guide for relative measurements, it is not calibrated to specific precision standards. Measurements taken with this device should not be considered accurate enough for critical applications requiring strict dimensional tolerances. General manufacturing tolerances of  $\pm 1\%$  at each graduation, or  $2\%$  of the full scale apply, but no conformance qualifications are provided or implied.

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103 Estus Drive, Savannah, GA 31404  
info@innomed.net

912.236.0000 Phone  
912.236.7766 Fax

Innomed-Europe Tel. +41 41 740 67 74  
info@innomed-europe.com

1.800.548.2362

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