



Bayer  
BS-12-32003

Zaufal-Jansen  
BS-12-32004

Ruskin  
BS-12-32005

Ruskin  
BS-12-32006



BS-12-32007

BS-12-32008

BS-12-32009

Stille-Luer

Semb

**Bone Rongeurs**

- BS-12-32001 Bone Rongeurs, 6" (15cm)
- BS-12-32002 Bone Rongeurs, 6" (15cm)
- BS-12-32003 Bayer, Bone Rongeurs, 7" (18cm)
- BS-12-32004 Zaufal-Jansen, Bone Rongeurs, 7" (18cm)
- BS-12-32005 Ruskin, Bone Rongeurs, 7" (18cm)
- BS-12-32006 Ruskin, Bone Rongeurs, 9" (23cm)
- BS-12-32007 Stille-Luer, Bone Rongeurs, straight, 10 1/2" (27cm)
- BS-12-32008 Stille-Luer, Bone Rongeurs, curved, 9" (23cm)
- BS-12-32009 Semb, Bone Rongeurs, straight, 9" (23cm)



**Bone Rongeurs**



**Stille**  
**BS-12-32010**



**Stille-Ruskin**  
**BS-12-32011**



**Leksell-Stille**

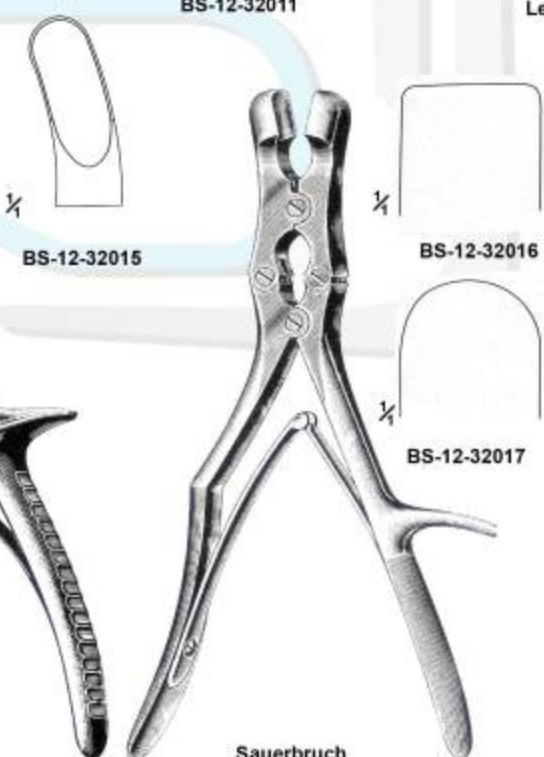
**BS-12-32012**

**BS-12-32013**



**BS-12-32014**

**Stille-Luer**



**BS-12-32016**

**Sauerbruch**

**Bone Rongeurs**

- BS-12-32010 Stille, Bone Rongeurs, 9" (23cm)
- BS-12-32011 Stille-Ruskin, Bone Rongeurs, 9" (23cm)
- BS-12-32012 Leksell- Stille, Bone Rongeurs, 9 1/2" (24cm)
- BS-12-32013 Leksell- Stille, Bone Rongeurs, 9 1/2" (24cm)
- BS-12-32014 Stille-Lure, Bone Rongeurs, straight, 8 3/4" (22cm)
- BS-12-32015 Stille-Lure, Bone Rongeurs, curved, 8 3/4" (22cm)
- BS-12-32016 Sauerbruch, Bone Rongeurs, 12" (30cm)
- BS-12-32017 Sauerbruch, Bone Rongeurs, 12" (30cm)



**Semb**  
BS-12-32018



**Liston-Key**  
BS-12-32019



**Stille-Liston**  
BS-12-32020



**Ruskin-Liston**  
BS-12-32021



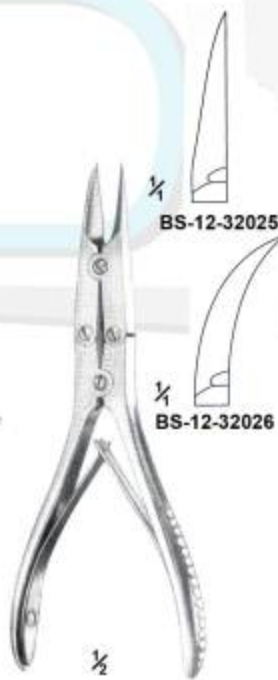
BS-12-32022



**Stille-Liston**  
BS-12-32023



**Stille-Liston**  
BS-12-32024

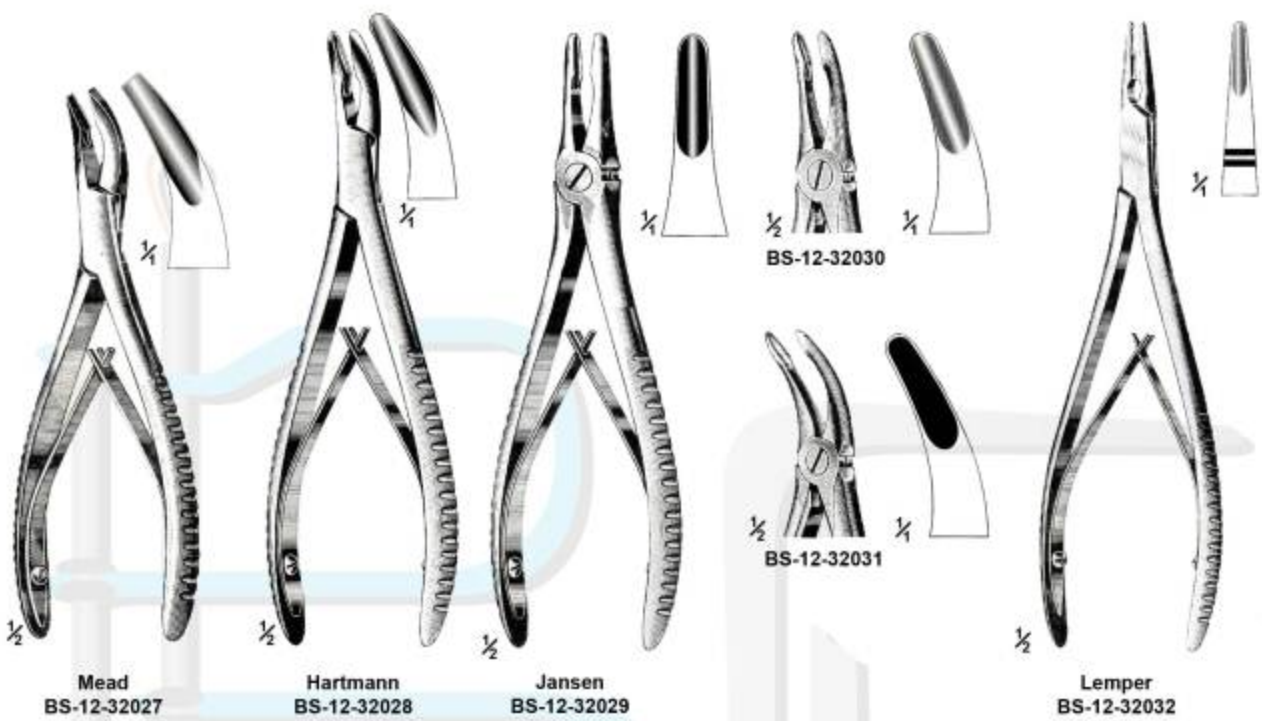


BS-12-32025

BS-12-32026

### Bone Cutting Forceps

- BS-12-32018 Semb, Bone Cutting Forceps  
9 1/2" (24cm)
- BS-12-32019 Liston-Key, Bone Cutting Forceps  
10 1/2" (27cm)
- BS-12-32020 Stille-Liston, Bone Cutting Forceps  
10 1/2" (27cm)
- BS-12-32021 Ruskin-Liston, Bone Cutting Forceps  
straight 7 1/4" (18.5cm)
- BS-12-32022 Ruskin-Liston, Bone Cutting Forceps  
curved 7 1/4" (18.5cm)
- BS-12-32023 Stille-Liston, Bone Cutting Forceps  
10 1/2" (27cm)
- BS-12-32024 Stille-Liston, Bone Cutting Forceps  
10 1/2" (27cm)
- BS-12-32025 Bone Cutting Forceps  
straight 5 3/4" (15cm)
- BS-12-32026 Bone Cutting Forceps  
curved 5 3/4" (15cm)



Mead  
BS-12-32027

Hartmann  
BS-12-32028

Jansen  
BS-12-32029

BS-12-32030

BS-12-32031

Lemper  
BS-12-32032



Blumenthal  
BS-12-32033

Blumenthal  
BS-12-32034

### Bone Rongeurs

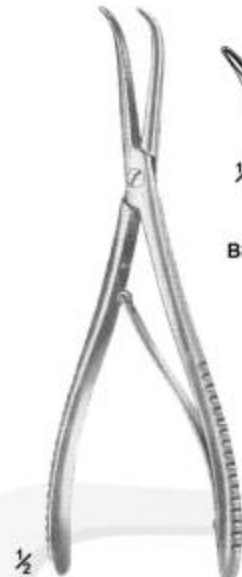
- BS-12-32027 Mead, Bone Rongeurs, 6 1/2" (16.5cm)
- BS-12-32028 Hartmann, Bone Rongeurs, 7 1/4" (18.5cm)
- BS-12-32029 Jansen, Bone Rongeurs, straight, 7" (18cm)
- BS-12-32030 Jansen, Bone Rongeurs, semi-curved, 7" (18cm)
- BS-12-32031 Jansen, Bone Rongeurs, semi-curved, 7" (18cm)
- BS-12-32032 Lempert, Bone Rongeurs, 7 1/2" (19cm)
- BS-12-32033 Blumenthal, Bone Rongeurs, 6" (15.5cm)
- BS-12-32034 Blumenthal, Bone Rongeurs, 6" (15.5cm)



1/2 Mini-Friedman  
BS-12-32035



1/2 Friedman  
BS-12-32036



1/2 Stellbrink



2 mm  
BS-12-32037



2 mm  
BS-12-32038



1/2 Cleveland  
BS-12-32039



1/2 Cleveland  
BS-12-32040



1/2 Universal  
BS-12-32041



1/2 Mead  
BS-12-32042

### Bone Rongeurs

- BS-12-32035 Mini-Friedman, Bone Rongeurs, 5" (12cm)
- BS-12-32036 Friedman, Bone Rongeurs, 5 1/2" (14cm)
- BS-12-32037 Stellbrink, Bone Rongeurs, 6 1/4" (17cm)
- BS-12-32038 Stellbrink, Bone Rongeurs, 6 1/4" (17cm)
- BS-12-32039 Cleveland, Bone Rongeurs, 5 1/2" (14cm)
- BS-12-32040 Cleveland, Bone Rongeurs, 6 3/4" (17cm)
- BS-12-32041 Universal, Bone Rongeurs, 5 1/4" (13.5cm)
- BS-12-32042 Mead, Bone Rongeurs, 6 1/2" (16.5cm)



Blumenthal  
BS-12-32043



BS-12-32044

BS-12-32045

Luer



Luer  
BS-12-32046



Luer  
BS-12-32047



Luer  
BS-12-32048

**Bone Rongeurs**

BS-12-32043 Blumenthal, Bone Rongeurs, 6" (15.5cm)

BS-12-32044 Luer, Bone Rongeurs, straight, 6 3/4" (17cm)

BS-12-32045 Luer, Bone Rongeurs, curved, 6 3/4" (17cm)

BS-12-32046 Luer, Bone Rongeurs, curved, 6" (15cm)

BS-12-32047 Luer, Bone Rongeurs, curved, 6" (15cm)

BS-12-32048 Luer, Bone Rongeurs, curved, 6" (15cm)



Cottle Kazanjian  
BS-12-32049



Liston  
BS-12-32050  
to  
BS-12-32053

BS-12-32054  
to  
BS-12-32057



Cleveland  
BS-12-32058



Cleveland

BS-12-32059

BS-12-32060



Cleveland  
BS-12-32061



Markwalder  
BS-12-32062

### Bone Cutting Forceps

- BS-12-32049 Cottle Kazanjian, Bone Cutting Forceps, 7 1/2" (19cm)
- BS-12-32050 Liston, Bone Cutting Forceps, straight 5 1/2" (14cm)
- BS-12-32051 Liston, Bone Cutting Forceps, straight 6 3/4" (14cm)
- BS-12-32052 Liston, Bone Cutting Forceps, straight 7 1/2" (19cm)
- BS-12-32053 Liston, Bone Cutting Forceps, straight 8 3/4" (22cm)
- BS-12-32054 Liston, Bone Cutting Forceps, curved 5 1/2" (14cm)
- BS-12-32055 Liston, Bone Cutting Forceps, curved 6 3/4" (14cm)
- BS-12-32056 Liston, Bone Cutting Forceps, curved 7 1/2" (19cm)
- BS-12-32057 Liston, Bone Cutting Forceps, curved 8 3/4" (22cm)
- BS-12-32058 Cleveland, Bone Cutting Forceps, curved 6 3/4" (17cm)
- BS-12-32059 Cleveland, Bone Cutting Forceps, curved 5 3/4" (15cm)
- BS-12-32060 Cleveland, Bone Cutting Forceps, curved 5 3/4" (15cm)
- BS-12-32061 Cleveland, Bone Cutting Forceps, curved 6" (15cm)
- BS-12-32062 Markwalder, Bone Cutting Forceps 8" (20cm)



1/2

1/2

1/3

1/2

Gluck  
BS-12-32063

Stille  
BS-12-32064

Bethune  
BS-12-32065

BS-12-32066



1/2

1/2

BS-12-32067

BS-12-32068

**Rib Shears**

BS-12-32063 Gluck, Rib Shears, 8 3/4" (22cm)

BS-12-32064 Stille, Rib Shears, 8 1/4" (21cm)

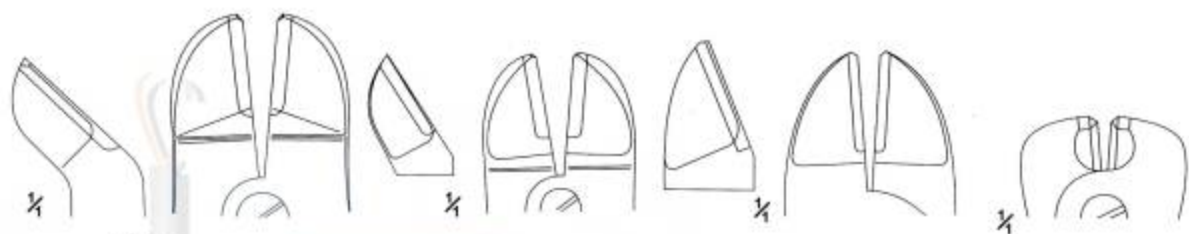
BS-12-32065 Bethune, Rib Shears, 13 1/2" (34cm)

BS-12-32066 Rib Shears, 9" (23cm)

BS-12-32067 Rib Shears, 8 3/4" (22cm)

BS-12-32068 Rib Shears, 6 3/4" (17cm)





$\frac{1}{2}$   
Muller-Claus  
BS-12-32069



$\frac{1}{2}$   
Muller-Claus  
BS-12-32070



$\frac{1}{2}$   
BS-12-32071



$\frac{1}{2}$   
BS-12-32072

### Wire Cutting Pliers

BS-12-32069 Muller-Claus, Wire Cutting Plier 8  $\frac{1}{4}$ " (22cm) T.C.

BS-12-32070 Muller-Claus, Wire Cutting Plier 7" (18cm) T.C.

BS-12-32071 Wire Cutting Plier 8" (20cm) T.C.

BS-12-32072 Wire Cutting Plier 7" (18cm) T.C.



BS-12-32073



BS-12-32074



BS-12-32075



BS-12-32076

**Wire & Pin Cutters**

- BS-12-32073 Double action Wire Cutter, angled side cutting T.C. inserts 8 1/2" (21.5cm)
- BS-12-32074 Double action Wire Cutter, with T.C. inserts 8 1/2" (21.5cm)
- BS-12-32075 Double action Wire extraction Plier with T.C. inserts
- BS-12-32076 Double action Wire Cutter, adjustable Screw with T.C. inserts 7" (18cm)



BS-12-32077

BS-12-32078

### Wire & Pin Cutters

- BS-12-32077 Front and side Wire Cutter, with T.C. inserts, 7" (18cm)
- BS-12-32078 Pin & Wire Cutter, with adjustable screw T.C. inserts, 6 1/2" (16.5cm)
- BS-12-32079 Pin & Wire Cutter, with T.C. 6 1/2" (16.5cm)

BS-12-32079



BS-12-32080

BS-12-32081  
BS-12-32082

BS-12-32083  
BS-12-32084

### Wire & Pin Cutters

- BS-12-32080 Wire Cutting Plier
- BS-12-32081 Wire Cutters for Cutting of Kirschner wire, steinmann pins up to 6mmØ, T.C. Jaw & Adjustable Screw, 17 ¾" (45cm)
- BS-12-32082 Wire Cutters for Cutting of Kirschner wire, steinmann pins up to 6mmØ, T.C. Jaw & Adjustable Screw, 22" (56cm)
- BS-12-32083 Wire Cutters for Cutting of Kirschner wire, steinmann pins up to 6mmØ, T.C. Jaw, 17 ¾" (45cm)
- BS-12-32084 Wire Cutters for Cutting of Kirschner wire, steinmann pins up to 6mmØ, T.C. Jaw, with T.C. Jaw, 22" (56cm)