



### Special Features of Bookwalter Retractor

Faster, lighter and more efficient Closely mimics the natural movement of a hand-held retractors. Light weight components reduces the overall weight of the equipment which makes it easy to handle. Better visualization and exposure helps in performing good surgeries. Wide range of blade supports numerous surgical procedures. We also provide custom blade solutions as per requirements.



### Feature 1

Main body unit locking - It requires minimum setup time while providing rigidity and strength with the integration of high quality light weight materials to handle any surgery.



### Feature 2

The ratchets, designed for ergonomics and ease of use, allow positioning changes of blades to optimize visualization. This helps in better handling during surgery





### Feature 3

The blades are attached with inter-changeable connectors.  
This helps in attaching the required blade in a matter of seconds.



### Feature 4

The many retractor blade styles provide optimal retraction in surgeries.





## Components of Bookwalter Retractor



Main Body unit 18"  
Article no. – TS/BWR/MBU/01



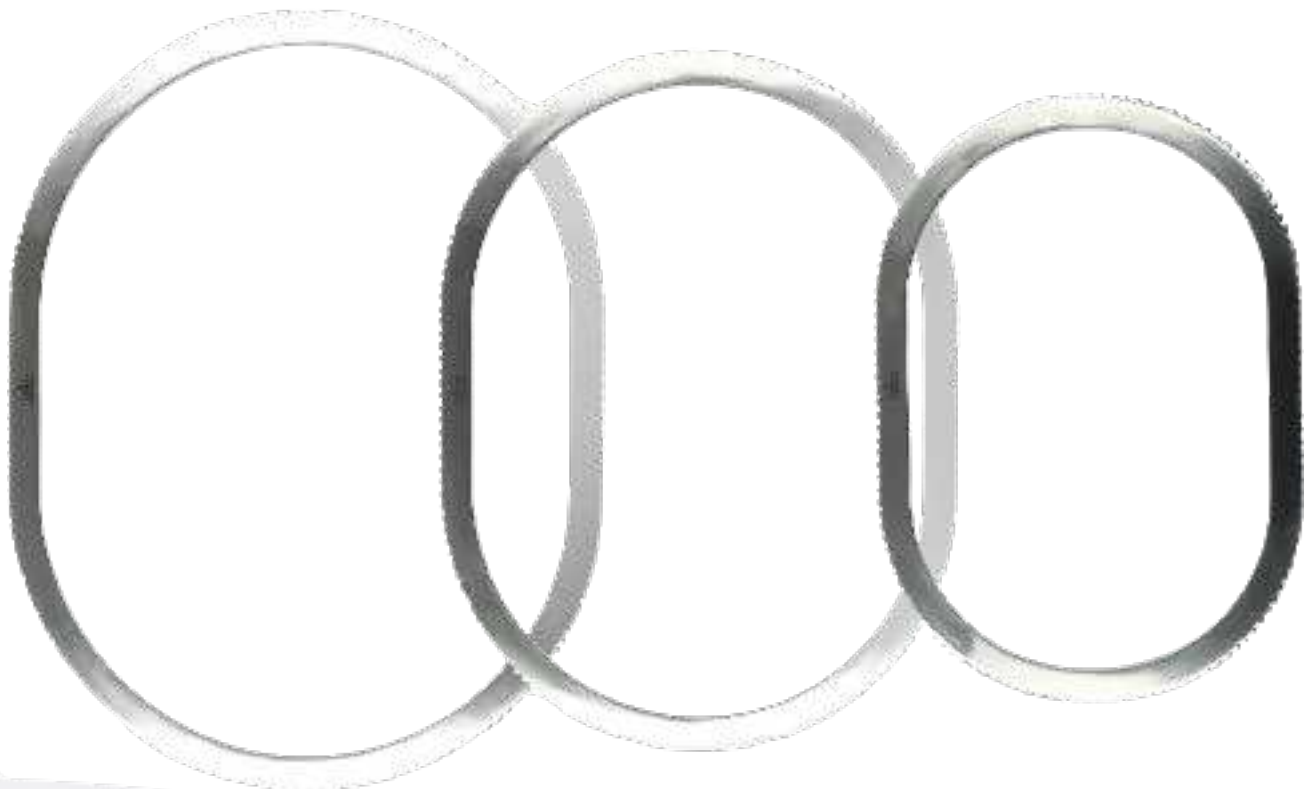
Lock Assembly  
Article no – TS/BWR/LA/01





### Horizontal bar

Product no – TS/BWR/RH/01



### Oval ring, large

450mm X 350mm

Product no – TS/BWR/OR/03

### Oval ring, medium

400mm X 300mm

Product no– TS/BWR/OR/02

### Oval ring, small

350mm X 250mm

Product no – TS/BWR/OR/01



### Horizontal bar 360 degree multi angle

Product no – TS/BWR/RH/02



### Segmented Ring

Product no – TS/BWR/SOR/04



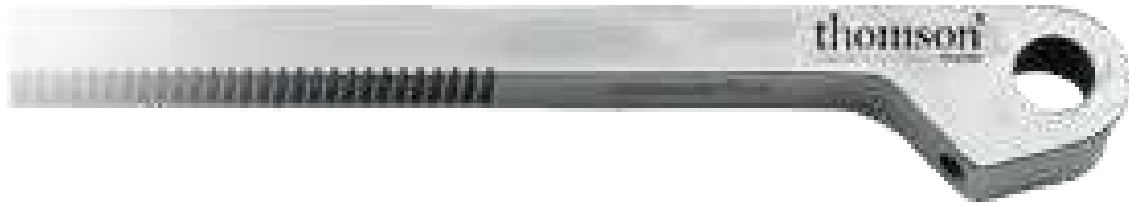
### Ratchet Assembly

Product no – TS/BWR/RA/01



### Ratchet Tilt Assembly

Product no – TS/BWR/RTA/02



### Blade holder

Product no – TS/BWR/CTS/01



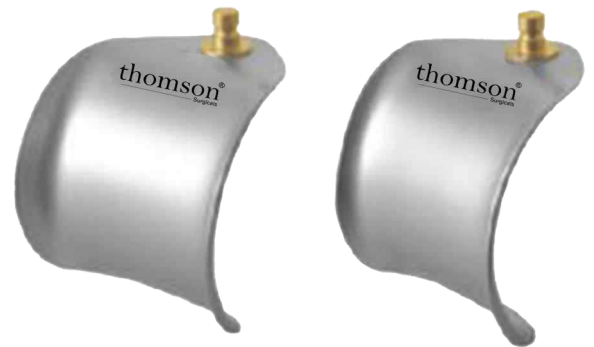
### Sterilization tray

Product Number	Description	Length x Width x Height (in)
TS/TR/AT/01	Aluminium Tray with Mat	23 x 11 x 6
TS/TR/SST/02	Stainless Steel Tray with Mat	23 x 11 x 6



## Balfour blades

Product Number	Width x Length (in)
TS/TR/BBB/01	2 x 3
TS/TR/BBB/02	3 x 3
TS/TR/BBB/03	3 x 4
TS/TR/BBB/04	3 x 5
TS/TR/BBB/05	3 x 6



TS/TR/BBB/01 - TS/TR/BBB/05

## Harrington blades

Product Number	Width x Length (in)
TS/TR/HBB/01	2 1/2 x 4
TS/TR/HBB/02	2 1/2 x 6
TS/TR/HBB/03	2 1/2 x 8



TS/TR/HBB/01 - TS/TR/HBB/03

## Kelly blades

Product Number	Width x Length (in)
TS/TR/KBB/01	1 1/2 x 1
TS/TR/KBB/02	2 1/2 x 2
TS/TR/KBB/03	3 1/2 x 3



TS/TR/KBB/01 - TS/TR/KBB/03

\*Blade size can be custom made as per requirement.



TS/TR/SMB/01 - TS/TR/SMB/02

### St. Marks Blade

Product Number	Width x Length (in)
TS/TR/SMB/01	2 x 5
TS/TR/SMB/02	2 x 7

### Splanchich blades

Product Number	Width x Length (mm)
TS/TR/SBB/01	2 x 4
TS/TR/SBB/02	2 x 6



TS/TR/SBB/01 - TS/TR/SBB/02



TS/TR/FB/01 - TS/TR/FB/04

### Fence Blades

Product Number	Width x Length (mm)
TS/TR/FB/01	4 x 4
TS/TR/FB/02	4 x 5
TS/TR/FB/03	4 x 6
TS/TR/FB/04	4 x 8

\*Blade size can be custom made as per requirement.





## Malleable Blade



TS/TR/MB/01 - TS/TR/MB/08

Product Number	Width x Length (in)
TS/TR/MB/01	1 x 4
TS/TR/MB/02	1 x 6
TS/TR/MB/03	1 x 8
TS/TR/MB/04	2 x 4
TS/TR/MB/05	2 x 6
TS/TR/MB/06	2 x 8
TS/TR/MB/07	3 x 8
TS/TR/MB/08	3 x 10

## Richardson Blade

Product Number	Width x Length (in)
TS/TR/RBB/01	2 x 3
TS/TR/RBB/02	2 x 4
TS/TR/RBB/03	2 x 6
TS/TR/RBB/04	2 x 8



\*Blade size can be custom made as per requirement.

TS/TR/RBB/01 - TS/TR/RBB/04



TS/TR/DBB/01 - TS/TR/DBB/05

### Deavers Blade

Product Number	Width x Length (in)
TS/TR/DBB/01	1 x 5
TS/TR/DBB/02	2 x 5
TS/TR/DBB/03	3 x 5
TS/TR/DBB/04	4 x 5
TS/TR/DBB/05	5 x 5

### Concave Blade

Product Number	Width x Length (in)
TS/TR/CCB/01	1/2 x 2
TS/TR/CCB/02	1/2 x 3
TS/TR/CCB/03	1/2 x 4
TS/TR/CCB/04	1 x 2
TS/TR/CCB/05	1 x 3
TS/TR/CCB/06	1 x 4



TS/TR/CCB/01 - TS/TR/CCB/06



TS/TR/TB/01 - TS/TR/TB/02

### Harrington blades

Product Number	Tip	Width x Length (in)
TS/TR/TB/01	SHARP	1 x 1 1/2
TS/TR/TB/02	BLUNT	1 x 1 1/2

### Doyens blades

Product Number	Width x Length (in)
TS/TR/DDB/01	3 x 2
TS/TR/DDB/02	4 x 2
TS/TR/DDB/03	5 x 3



TS/TR/DDB/01 - TS/TR/DDB/03

\*Blade size can be custom made as per requirement.