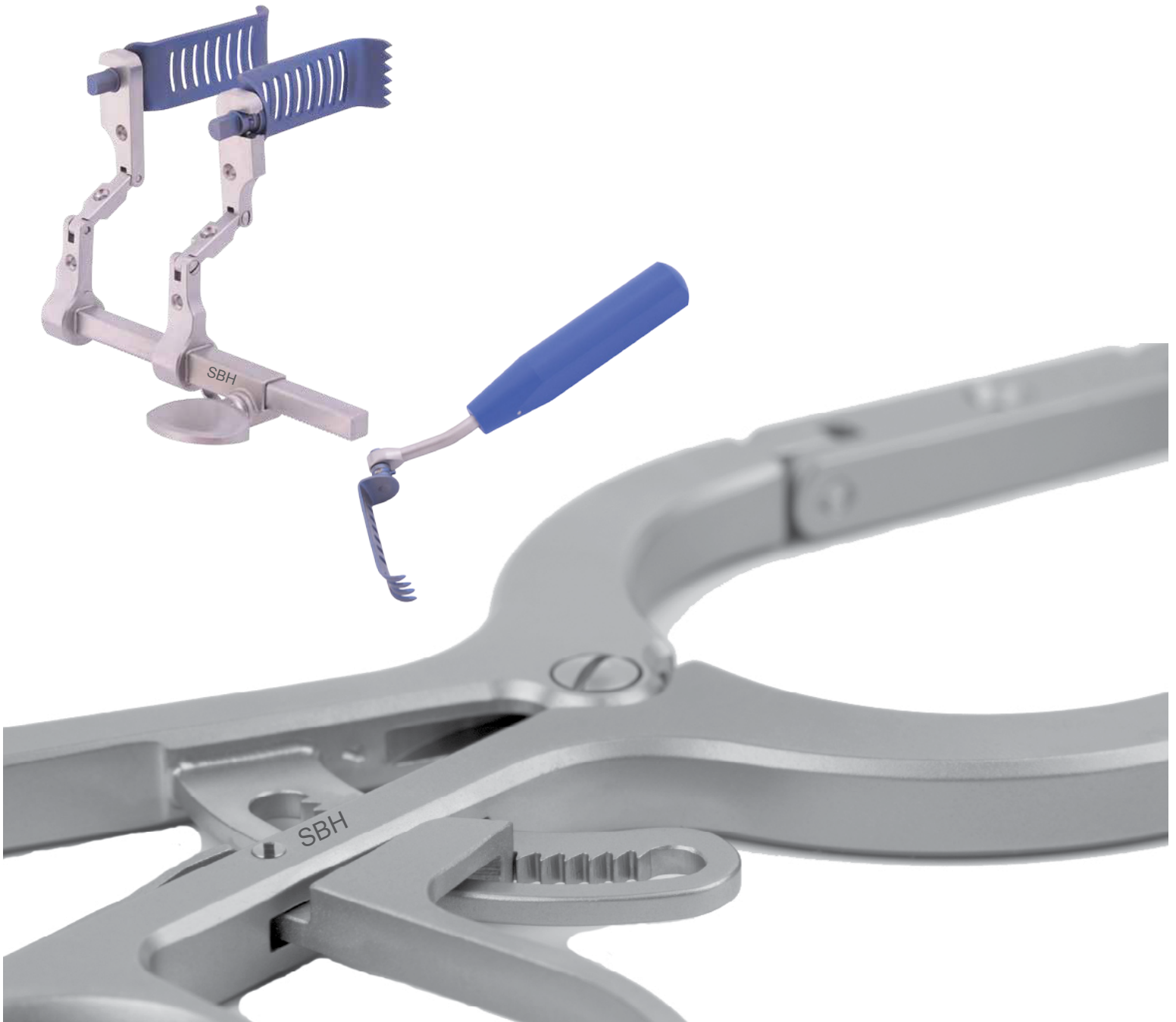




# Strategic Business Holdings, Inc.

*...Quality Products, Superior Customer Service, & Support*



100% made in Germany

## Caspar Cervical Retractor System



## Casper Cervical Retractor Systems

### Advantages:

- Double hinge for individual modification
- 19 mm blades for microsurgical techniques
- 24 mm blades for standard techniques
- Different lengths from 25 to 75 mm, therefore more flexibility
- TITANIUM blades fenestrated for slip-proof fit
- Side loading of the blades for easier handling
- Semi x-ray transparent through TITANIUM blades



SB0223-049

Double Hinged Cervical Basic Retractor



SB0223-047

Double Hinged Basic Counter Retractor

# Casper Cervical Retractor Systems



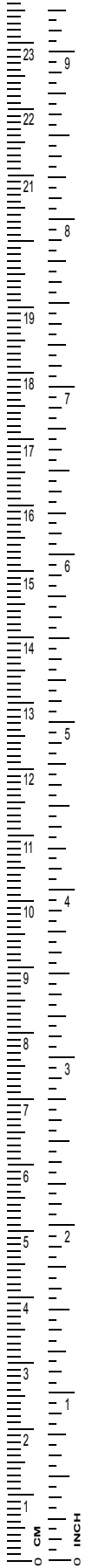
SB0223-048	Counter Retractor
------------	-------------------



SB0223-010	Handle for the insertion of blades and also for the use as retractor
------------	--

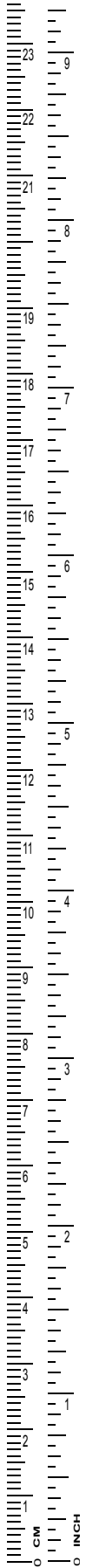


SB0223-011	Depth Gauge for determining the length of the blades
------------	--





# Casper Cervical Retractor Systems



Toothed Blades / Medial / Lateral

SB0223-050T	19 x 25 mm
SB0223-051T	19 x 30 mm
SB0223-052T	19 x 35 mm
SB0223-053T	19 x 40 mm
SB0223-054T	19 x 45 mm
SB0223-055T	19 x 50 mm
SB0223-056T	19 x 55 mm
SB0223-057T	19 x 60 mm



Blunt Blades / Longitudinal

SB0223-060T	19 x 25 mm
SB0223-061T	19 x 30 mm
SB0223-062T	19 x 35 mm
SB0223-063T	19 x 40 mm
SB0223-064T	19 x 45 mm
SB0223-065T	19 x 50 mm
SB0223-066T	19 x 55 mm
SB0223-067T	19 x 60 mm



Lateral Blades

SB0223-141T	24 x 30 mm
SB0223-142T	24 x 35 mm
SB0223-143T	24 x 40 mm
SB0223-144T	24 x 45 mm
SB0223-145T	24 x 50 mm
SB0223-146T	24 x 55 mm
SB0223-147T	24 x 60 mm
SB0223-148T	24 x 65mm
SB0223-149T	24 x 70 mm



Medial blades

SB0223-151T	24 x 30 mm
SB0223-152T	24 x 35 mm
SB0223-153T	24 x 40 mm
SB0223-154T	24 x 45 mm
SB0223-155T	24 x 50 mm
SB0223-156T	24 x 55 mm
SB0223-157T	24 x 60 mm
SB0223-158T	24 x 65mm
SB0223-159T	24 x 70 mm



Blunt Blades / Longitudinal

SB0223-162T	24 x 35 mm
SB0223-163T	24 x 40 mm
SB0223-164T	24 x 45 mm
SB0223-165T	24 x 50 mm
SB0223-166T	24 x 55 mm
SB0223-167T	24 x 60 mm
SB0223-168T	24 x 65 mm
SB0223-169T	24 x 70mm
SB0223-170T	24 x 75 mm



## TRANSVERSE RETRACTION (left and right)

**Standard Rack Retractor**  
(max. 65mm spread)



single hinge	SB09-3010	SB09-3012	SB09-3010-TI
double hinge	SB09-4620	SB09-4622	-
Material	Stainless Steel Frame	Stainless Steel Frame with Peek Arms	Titanium Frame

**Elongated Rack Retractor**  
(max. 155mm spread)

as pictured above, only with a longer bottom rack (180mm)

as pictured above, only with a longer bottom rack (190mm)

single hinge	SB09-30102	SB09-3013	-
double hinge	-	SB09-46220	-
Material	Stainless Steel Frame	Stainless Steel Frame with Peek Arms	Titanium Frame



**Blade Changing Forceps RS**

SB09-4711 - 115mm

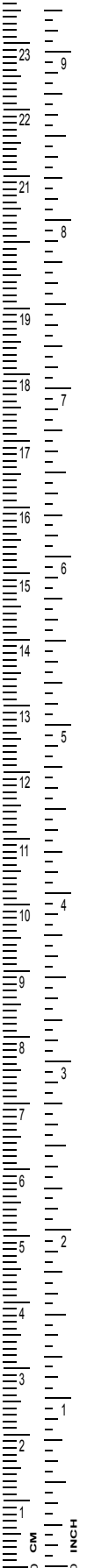
Blade ejector, for changing the blades



**Peek Handle (Hand Held) Retractor**

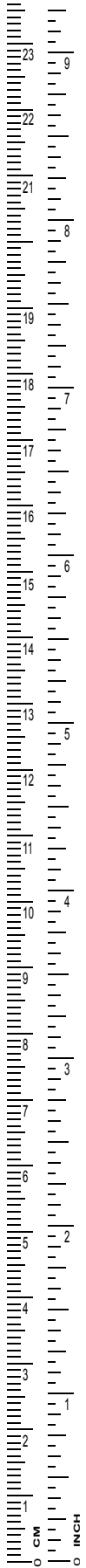
SB09-3449

Material: Peek  
Can be used for all types of peek blades as hand held retractor

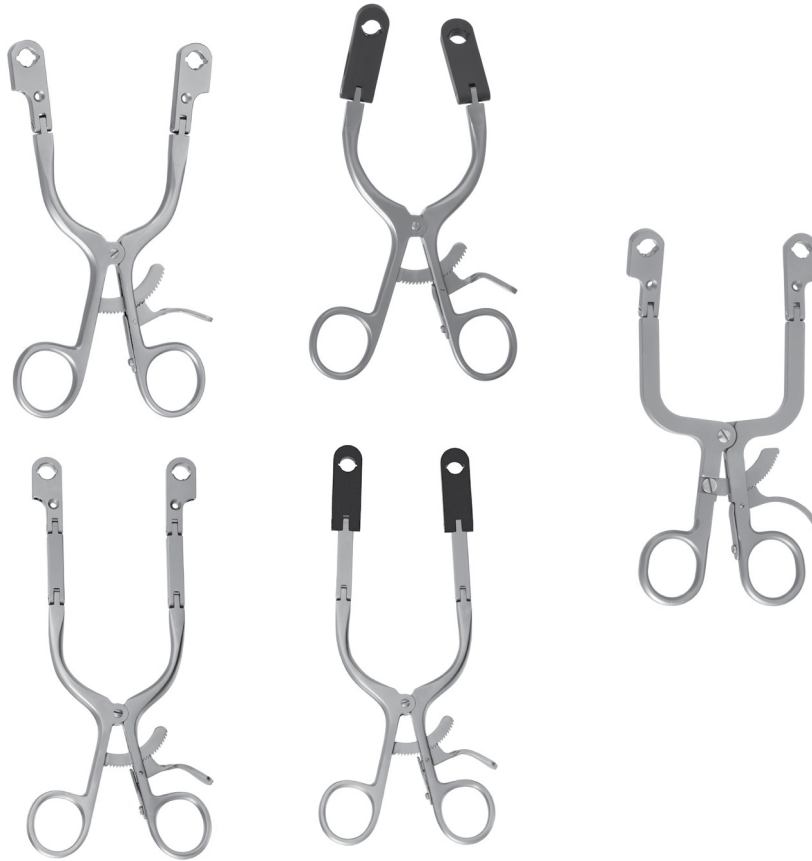




# Casper Cervical Retractor Systems

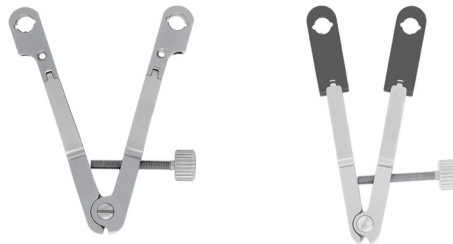


## LONGITUDINAL RETRACTION (up and down)



**Standard Ring Handle Retractors**

single hinge	SB09-4010	SB09-4012	SB09-4010-TI
double hinge	SB09-4011	SB09-4013	-
Material	Stainless Steel Frame	Stainless Steel Frame with Peek Arms	Titanium Frame



**Standard V-Handle Retractors**

single hinge	SB09-4612	SB09-4612-P	SB09-4010-TI
double hinge	-	-	-
Material	Stainless Steel Frame	Stainless Steel Frame with Peek Arms	Titanium Frame

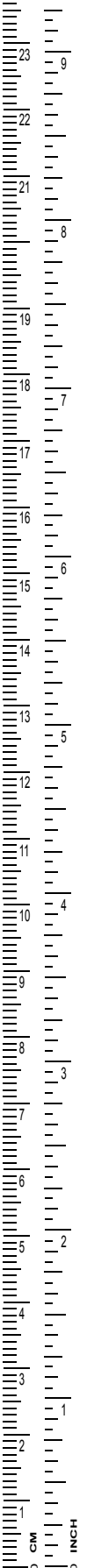


## STANDARD BLADES

Medial  
Blades

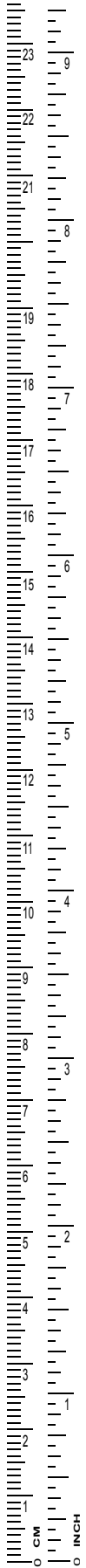


Length/Width	23mm	23mm	20mm	20mm fenestrated
	Stainless Steel	Peek	Titanium	Titanium
25	—	—	—	SB09-3226-TI
30	—	—	—	SB09-3231-TI
35	SB09-3235	—	—	SB09-3236-TI
40	SB09-3240	SB09-9000P	SB09-3240-TI	SB09-3241-TI
45	SB09-3245	SB09-9001P	SB09-3245-TI	SB09-3246-TI
50	SB09-3250	SB09-9002P	SB09-3250-TI	SB09-3251-TI
55	SB09-3255	SB09-9003P	SB09-3255-TI	SB09-3256-TI
60	SB09-3260	SB09-9004P	SB09-3260-TI	SB09-3261-TI
65	SB09-3265	SB09-9005P	SB09-3265-TI	SB09-3266-TI
70	SB09-3270	—	SB09-3270-TI	SB09-3271-TI
75	SB09-3240-075	SB09-9007P	SB09-3275-TI	—
80	SB09-3240-080	—	—	—
85	SB09-3240-085	—	—	—
90	SB09-3240-090	—	—	—
95	SB09-3240-095	—	—	—
100	SB09-3240-100	—	—	—





# Casper Cervical Retractor Systems



## STANDARD BLADES

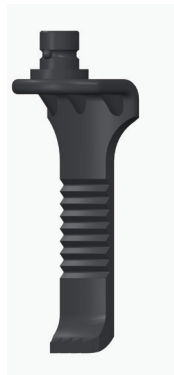
Lateral  
Blades



Length/Width	23mm	23mm	20mm	20mm fenestrated
	Stainless Steel	Peek	Titanium	Titanium
25	—	—	SB09-3425-TI	SB09-3426-TI
30	—	—	SB09-3430-TI	SB09-3431-TI
35	—	—	SB09-3435-TI	SB09-3436-TI
40	SB09-3440	SB09-3441P	SB09-3440-TI	SB09-3441-TI
45	SB09-3445	SB09-3446P	SB09-3445-TI	SB09-3446-TI
50	SB 3450	SB09-3451P	SB09-3450-TI	SB09-3451-TI
55	SB09-3455	SB09-3456P	SB09-3455-TI	SB09-3456-TI
60	SB09-3460	SB09-3461P	SB09-3460-TI	SB09-3461-TI
65	SB09-3465	SB09-3466P	SB09-3465-TI	SB09-3466-TI
70	SB09-3471	—	SB09-3470-TI	SB09-3471-TI
75	—	SB09-3469P	SB09-3475-TI	—

Extra Thin  
Lateral  
Blades

as pictured above,  
but  
reduced width



Length/Width	15mm	12mm	-	20mm fenestrated
	Stainless Steel	Peek	Titanium	Titanium
40	SB09-3470	SB09-3444-040P	—	—
45	SB09-3472	SB09-3444-045P	—	—
50	SB09-3474	SB09-3444-050P	—	—
55	SB09-3476	SB09-3444-055P	—	—
60	SB09-3478	SB09-3444-060P	—	—



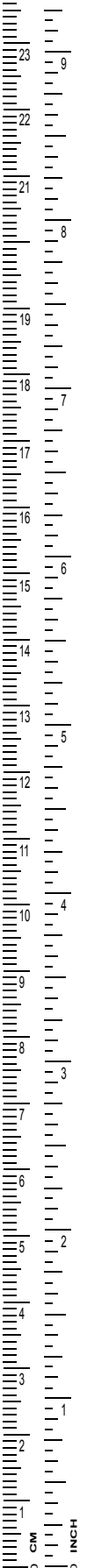


## STANDARD BLADES

**Blunt  
Blades**

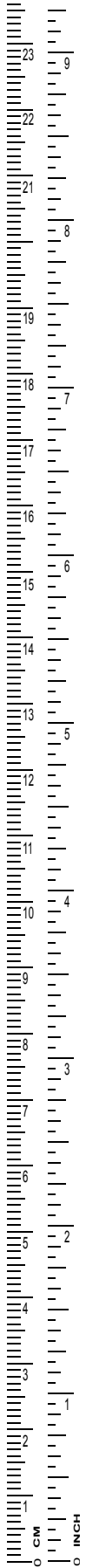


Length/Width	232mm	23mm	20mm	20mm fenestrated
	Stainless Steel	Peek	Titanium	Titanium
25	—	—	—	—
30	—	—	SB09-4230-TI	—
35	SB09-4235	—	SB09-4235-TI	SB09-4236-TI
40	SB09-4240	SB09-4241P	SB09-4240-TI	SB09-4241-TI
45	SB09-4245	SB09-4246P	SB09-4245-TI	SB09-4246-TI
50	SB09-4250	SB09-4251P	SB09-4250-TI	SB09-4251-TI
55	SB09-4255	SB09-4256P	SB09-4255-TI	SB09-4256-TI
60	SB09-4260	SB09-4261P	SB09-4260-TI	SB09-4261-TI
65	SB09-4265	SB09-4266P	SB09-4265-TI	SB09-4266-TI
70	SB09-4270	—	SB09-4270-TI	SB09-4271-TI
75	SB09-4275	SB09-4269P	SB09-4275-TI	SB09-4276-TI
80	—	—	—	—
85	—	—	—	—
90	—	—	—	—
95	—	—	—	—
100	—	—	—	—





# Casper Cervical Retractor Systems

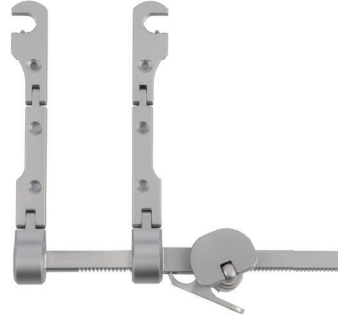


## Sideloading Retractors

## SIDELoadERS



Ring Handle Retractor



Rack Retractor



V-Handle Retractor (simple style)

single hinge	—	—	SB09- 4808-SL
double hinge	SB09-4802-SL	SB09- 4800-SL	—
material	Stainless Steel Frame	Stainless Steel Frame	Stainless Steel Frame

## Sideloading Titanium Blades (fenstered)



Medial



Lateral



Blunt

Length/Width	24mm	19mm	24mm	12mm	24mm	19mm	12mm
25	—	SB09-4850-TI	—	—	—	SB09-4860-TI	—
30	SB09-4870-TI	SB09-4851-TI	SB09-4880-TI	—	—	SB09-4861-TI	—
35	SB09-4871-TI	SB09-4852-TI	SB09-4881-TI	SB09-4848-035-TI	SB09-4891-TI	SB09-4862-TI	SB09-4858-035-TI
40	SB09-4872-TI	SB09-4853-TI	SB09-4882-TI	SB09-4848-040-TI	SB09-4892-TI	SB09-4863-TI	SB09-4858-040-TI
45	SB09-4873-TI	SB09-4854-TI	SB09-4883-TI	SB09-4848-045-TI	SB09-4893-TI	SB09-4864-TI	SB09-4858-045-TI
50	SB09-4874-TI	SB09-4855-TI	SB09-4884-TI	SB09-4848-050-TI	SB09-4894-TI	SB09-4865-TI	SB09-4858-050-TI
55	SB09-4875-TI	SB09-4856-TI	SB09-4885-TI	SB09-4848-055-TI	SB09-4895-TI	SB09-4866-TI	SB09-4858-060-TI
60	SB09-4876-TI	SB09-4857-TI	SB09-4886-TI	SB09-4848-060-TI	SB09-4896-TI	SB09-4867-TI	SB09-4858-065-TI
65	SB09-4877-TI	—	SB09-4887-TI	SB09-4848-065-TI	SB09-4897-TI	—	SB09-4858-070-TI
70	SB09-4878-TI	—	SB09-4888-TI	SB09-4848-070-TI	SB09-4898-TI	—	SB09-4858-075-TI
75	—	—	—	SB09-4848-075-TI	SB09-4899-TI	—	—

Sideloading Blades are available only from Titanium material.



## LUMBAR SPINE INSTRUMENTS

**Counter Retractor**



**Counter Retractor**

Stainless Steel Frame  
blackened

**Counter Retractor Blades**



**Lateral**  
for Counter  
Retractor

**Paraspinal Blade**  
for Counter  
Retractor

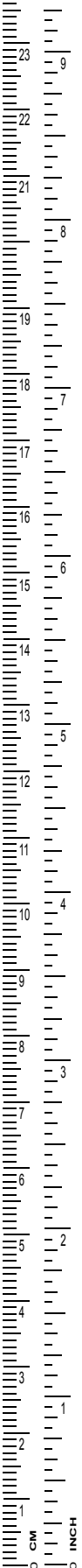
Stainless Stee, blackened

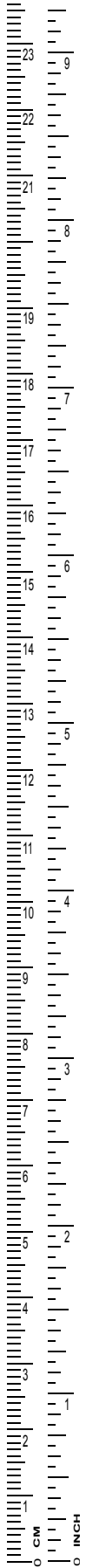
**Specula**



**Lumbar**  
Fenestrated

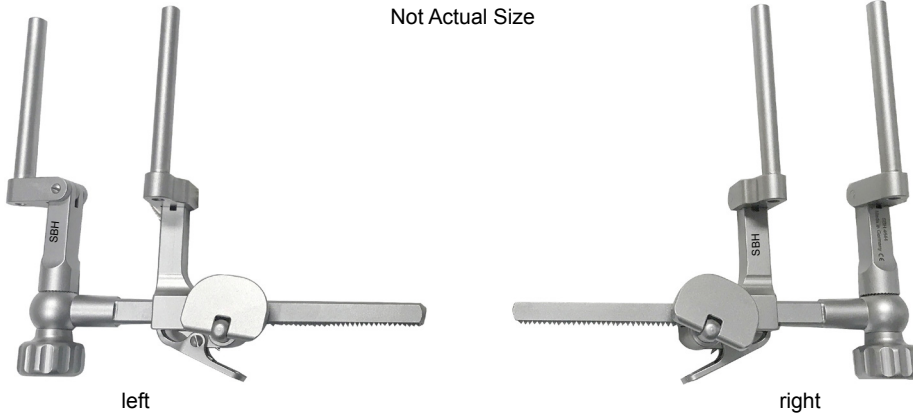
Length (mm)	Lateral Blade	Paraspinal Blade	Standard Speculum	Speculum with Light Source Carrier
35	SB09 - 3480	SB09 - 3479	-	-
40	SB09 - 3482	SB09 - 3483	SB09 - 6425	-
45	SB09 - 3484	SB09 - 3485	SB09 - 6426	-
50	SB09 - 3486	SB09 - 3487	SB09 - 6427	-
55	SB09 - 3488	SB09 - 3489	SB09 - 6428	-
60	SB09 - 3490	SB09 - 3491	SB09 - 6429	-
65	SB09 - 3492	SB09 - 3493	SB09 - 6434	-
70	SB09 - 3497	SB09 - 3495	SB09 - 6436	SB09 - 6436LT
75	SB09 - 3494	SB09 - 3481	SB09 - 6432	SB09 - 6432LT
80	SB09 - 3499	-	SB09 - 6435	SB09 - 6435LT
85	SB09 - 3496	-	SB09 - 6433	SB09 - 6433LT
100	SB09 - 3498	-	SB09 - 6437	-





## CERVICAL DISTRACTORS

Not Actual Size



	spread approx.	left	right
rotatable version	70mm	SBH 4648	SBH 4644
		Adjustable Cervical Distractor	Adjustable Cervical Distractor

Not Actual Size

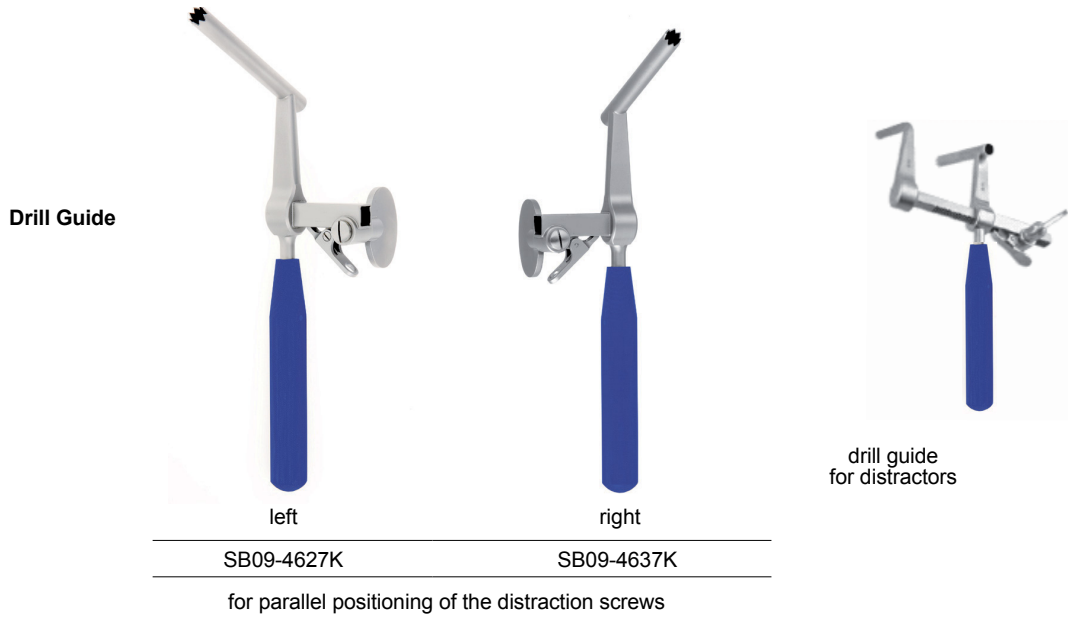


**Vertebral Distractor**






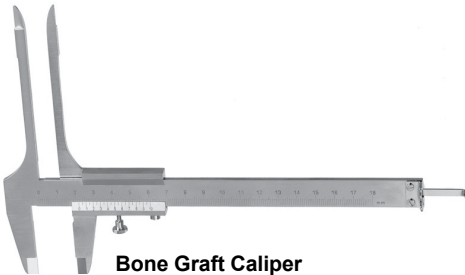
*Vertebral body distractor for use in surgical procedures from the right and from the left approach.*

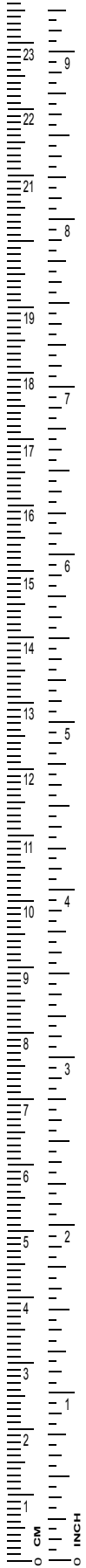
*Elongated version is used for multilevel (more than 2) distraction.*

	spread approx.	left	right
standard version	60mm	SB09-4621	SB09-4631



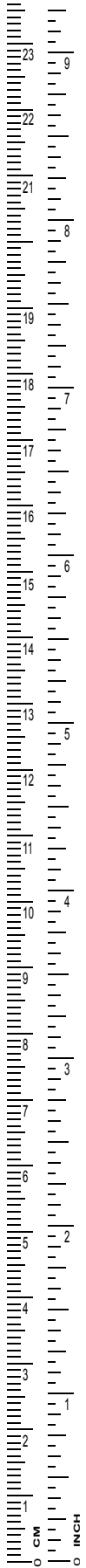
## SUPPLIES

		Length	Details
	SB09-4637K	200mm	Screw driver for distraction screws
<b>Screw Driver</b>			
	SB09-6020	200mm 8"	Ø 3mm
	SB09-6021		Ø 5mm
	SB09-6022		Ø 8mm
<b>Tappet-Fusion Bone Tamp</b>			
	SB09-6024	218mm 8.25"	6x15mm
	SB09-6025		6x12mm
<b>Bone Graft Holder and Impactor</b>			
	SB09-6012-L	1.7 mm	8 mm drilling depth
	SB09-6012	1.7 mm	14 mm drilling depth
			for pre-boring holes for distraction screws
<b>Twist Drill</b>			
	SB09-6007	66mm	12mm tip
	SB09-6014	68mm	14mm tip
	SB09-6016	70mm	16mm tip
	SB09-6018	72mm	18mm tip
<b>Distraction Screw</b>			to be used with vertebral distractors (page 11)
	SB09-9291		Tool for determining graft size
<b>Bone Graft Caliper</b>			

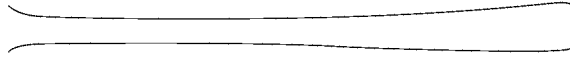




# Casper Cervical Retractor Systems



SB9 - 185-328



## RASPATORY

6.2mm, curved, sharp, 180mm



## VERTEBRAL BODY DISSECTORS

with Synthetic Handle, 205mm



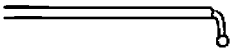
SB9 - 185-917



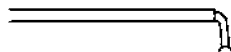
SB9 - 185-918

## HOOKS

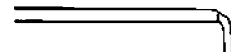
Exploration and Coagulation Hooks insulated, 245mm



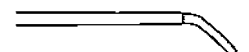
SB9 - 020-088



SB9 - 020-089



SB9 - 020-090



SB9 - 020-091

## BONE TAMPER

200mm overall length with Synthetic Handle

- SB10 - 273-200      Ø 3mm
- SB10 - 274-200      Ø 5mm
- SB10 - 275-200      Ø 8mm



## BONE CURETTES

220mm overall length with Synthetic Handle



straight



SB9 - 185-912  
#000  
3.6mm



SB9 - 185-913  
#00  
4.4mm



SB9 - 185-914  
#0  
5.2mm



angled



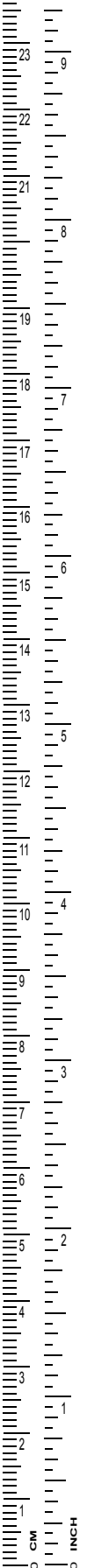
SB9 - 185-921  
#000  
3.6mm



SB9 - 185-922  
#00  
4.4mm



SB9 - 185-919  
#0  
5.2mm



## BONE CURETTES

Square Hole, toothed,  
with Synthetic Handle, 220mm



SB9 - 185-915  
4mm



SB9 - 185-916  
5mm



SB9 - 185-910  
6mm

## BONE CURETTES

Square Hole, serrated  
knee bent



270 mm



SB9 - 340-003  
3mm

250 mm



SB9 - 342-004  
4mm



SB9 - 340-004  
4mm



SB9 - 342-005  
5mm



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