



**SUNMARK**  
INSTRUMENTS

*Mark Of Quality*



## MCCULLOCH RETRACTOR SYSTEM

Our Range of Best Selling Instruments

Surgical Instruments   ■   Chirurgische Instrumente   ■   Instrumentos para quirúrgicos  
Instruments de chirurgie   ■   Strumenti chirurgici

Usage and fields of application:  
**MICROSURGERY FOR LUMBAR DISC DISEASE**

**Special Features:**

- Anti-Glare black coating on all parts
- Fixed and hinged retractor frame arms (where required)
- Lumbar microdiscectomy
- Lateral zone decompression
- Paraspinal approach to foraminal HNP
- Laminoplasty for spinal canal stenosis

**The problem it solves:**

Flexibility to do almost any spine procedure, from advanced microscopic-aided procedures to multi-level open surgery.

Less-invasive approaches to microscopic repair of herniated discs.



*“Convenience and flexibility for the surgeon.  
 &  
 Reduced trauma for the patient.”*

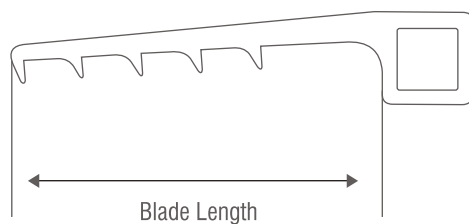
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**MICROSURGERY FOR LUMBAR DISC DISEASE**



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- The surgeon positions the blades prior to inserting the retractor frame.
- This allows accurate placement.
- Two frames placed together end to end provide multilevel exposure for routine open spinal surgery.

**HOW TO MEASURE BLADES CORRECTLY:**





### Sunmark Basic McCulloch Retractor Set

Qty	Product Codes	Description
1 Pc.	78-990-43	Retractor Frame
4 Pairs	78-993-04 up to 78-993-07	Wide Muscle Blades 4 cm to 7 cm long
4 Pairs	78-994-04 up to 78-994-07	Narrow Muscle Blades 4 cm to 7 cm long
4 Pcs.	78-991-03 up to 78-991-06	Hook Blades 3 cm to 6 cm long
4 Pcs.	78-992-03 up to 78-992-06	Multi-Toothed Blades 3 cm to 6 cm long
1 Pc.	ST-482-02	Surticon™ ¾ Instruments Sterilization Basket 405 x 253 x 50 mm

### Sunmark Advance McCulloch Retractor Set

Qty	Product Codes	Description
2 Pcs.	78-990-43	Retractor Frame
6 Pairs	78-993-03 up to 78-993-08	Wide Muscle Blades 3 cm to 8 cm long
6 Pairs	78-994-03 up to 78-994-08	Narrow Muscle Blades 3 cm to 8 cm long
6 Pcs.	78-991-02 up to 78-991-07	Hook Blades 2 cm to 7 cm long
6 Pcs.	78-992-02 up to 78-992-07	Multi-Toothed Blades 2 cm to 7 cm long
1 Pc.	ST-482-02	Surticon™ ¾ Instruments Sterilization Basket 405 x 253 x 50 mm

#### Retractor Frame, Rigid Arms

Standard frames are blackened to reduce glare

Catalog #	Profile
78-990-41	Max. Spread 70 mm
78-990-42	Max. Spread 90 mm



#### Retractor Frame, Jointed Arms

The hinged frame lies flat on the patient's back: minimal obstruction to other instruments

Catalog #	Profile
78-990-43	Max. Spread 70 mm
78-990-44	Max. Spread 90 mm
78-990-45	Max. Spread 150 mm





**Hook Blade**

For engaging the spinous process

Catalog #	Length
78-991-02	2 cm
78-991-03	3 cm
78-991-04	4 cm
78-991-05	5 cm
78-991-06	6 cm
78-991-07	7 cm
78-991-08	8 cm
78-991-09	9 cm
78-991-10	10 cm
78-991-18	18 cm



**Multiple-Toothed Blade**

For hemi-laminectomy procedures

Catalog #	Length
78-992-02	2 cm
78-992-03	3 cm
78-992-04	4 cm
78-992-05	5 cm
78-992-06	6 cm
78-992-07	7 cm
78-992-08	8 cm
78-992-09	9 cm
78-992-10	10 cm
78-992-18	18 cm



**Wide Muscle Blade (Width 27 mm)**

For full microsurgical exposure

Catalog #	Length
78-993-03	3 cm
78-993-04	4 cm
78-993-05	5 cm
78-993-06	6 cm
78-993-07	7 cm
78-993-08	8 cm
78-993-09	9 cm
78-993-10	10 cm
78-993-11	11 cm
78-993-12	12 cm
78-993-18	18 cm



**Narrow Muscle Blade (Width 20 mm)**

For small incision sites

Catalog #	Length
78-994-03	3 cm
78-994-04	4 cm
78-994-05	5 cm
78-994-06	6 cm
78-994-07	7 cm
78-994-08	8 cm
78-994-09	9 cm
78-994-10	10 cm
78-994-11	11 cm
78-994-12	12 cm
78-994-18	18 cm


**Thin Muscle Blade (Width 17 mm)**

Catalog #	Length
78-995-03	3 cm
78-995-04	4 cm
78-995-05	5 cm
78-995-06	6 cm
78-995-07	7 cm
78-995-08	8 cm
78-995-09	9 cm


**Extra Thin Blade (Width 10 mm)**

Catalog #	Length
78-996-03	3 cm
78-996-04	4 cm
78-996-05	5 cm
78-996-06	6 cm
78-996-07	7 cm
78-996-08	8 cm


**Cervical Blade (Width 20 mm)**

For small incision sites providing full micro surgical exposure

Catalog #	Length
78-997-04	4 cm
78-997-05	5 cm
78-997-06	6 cm
78-997-07	7 cm

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