



240

230

210

___ 200

190

170

140

130

100

___ 90

60

<u>=</u>30

20



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."



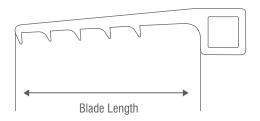
Usage and fields of application:

MICROSURGERY FOR LUMBAR DISC DISEASE



- 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:



260

250

230

210

200

140

90 80 70

60

40

<u>20</u>

MILLIMETERS 01



Surtex Basic McCulloch Retractor Set

Qty	Product Codes	Description
1 Pc.	RT-990-43	Retractor Frame
4 Pairs	RT-993-04 up to RT-993-07	Wide Muscle Blades 4 cm to 7 cm long
4 Pairs	RT-994-04 up to RT-994-07	Narrow Muscle Blades 4 cm to 7 cm long
4 Pcs.	RT-991-03 up to RT-991-06	Hook Blades 3 cm to 6 cm long
4 Pcs.	RT-992-03 up to RT-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

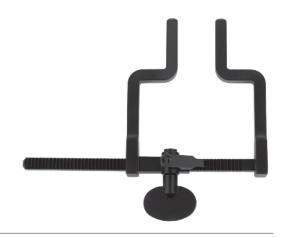
Surtex Advance McCulloch Retractor Set

Qty	Product Codes	Description
2 Pcs.	RT-990-43	Retractor Frame
6 Pairs	RT-993-03 up to RT-993-08	Wide Muscle Blades 3 cm to 8 cm long
6 Pairs	RT-994-03 up to RT-994-08	Narrow Muscle Blades 3 cm to 8 cm long
6 Pcs.	RT-991-02 up to RT-991-07	Hook Blades 2 cm to 7 cm long
6 Pcs.	RT-992-02 up to RT-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

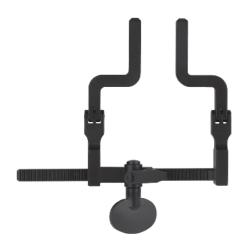
Catalog #	Profile
RT-990-41	Max. Spread 70 mm
RT-990-42	Max. Spread 90 mm



Retractor Frame, Jointed Arms

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

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







Hook Blade For engaging the spinous process

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



Multiple-Toothed BladeFor hemi-laminectomy procedures

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



Wide Muscle Blade (Width 27 mm)For full microsurgical exposure

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



Narrow Muscle Blade (Width 20 mm) For small incision sites

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





Thin Muscle Blade (Width 17 mm)

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



Extra Thin Blade (Width 10 mm)

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



Cervical Blade (Width 20 mm)

For small incision sites providing full micro surgical exposure

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



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