



**PRECISION**<sup>™</sup>  
SURGICAL WORKS

## RETRACTORS

Wundhaken  
Separadores  
Ecarteurs  
Divaricatori





**Gillies Skin Hook**

| Catalog #     | Size, Profile      |
|---------------|--------------------|
| PRO-11-012-01 | 18 cm (7"), Fig. 1 |
| PRO-11-012-02 | 18 cm (7"), Fig. 2 |



**Kilner Skin Hook**  
Sharp

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-014-15 | 14.5 cm (5 ¾") |



**Frazier Delicate Hook**

| Catalog #     | Size, Profile     |
|---------------|-------------------|
| PRO-11-016-01 | 13 cm (5"), Sharp |
| PRO-11-016-02 | 13 cm (5"), Blunt |

**KleinePRO-11-Kutz Delicate Hook**

| Catalog #     | Size, Profile        |
|---------------|----------------------|
| PRO-11-020-01 | 16 cm (6 ¼"), Fig. 1 |
| PRO-11-020-02 | 16 cm (6 ¼"), Fig. 2 |
| PRO-11-020-03 | 16 cm (6 ¼"), Fig. 3 |



Fig. 1

Fig. 2

Fig. 3

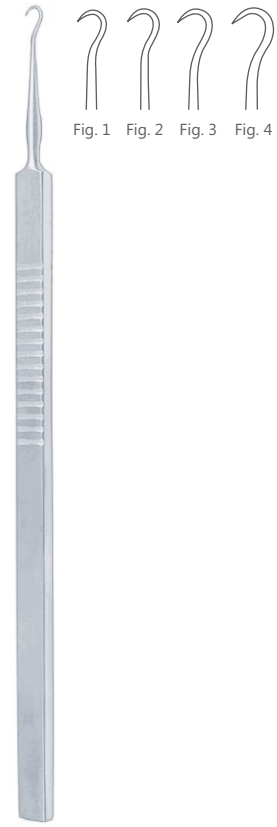


**Graefe Delicate Hook**

| Catalog #     | Size, Profile     |
|---------------|-------------------|
| PRO-11-024-01 | 15 cm (6"), Sharp |
| PRO-11-024-02 | 15 cm (6"), Blunt |

**Skin Hook  
Sharp**

| Catalog #     | Size, Profile        |
|---------------|----------------------|
| PRO-11-026-01 | 16 cm (6 ¼"), Fig. 1 |
| PRO-11-026-02 | 16 cm (6 ¼"), Fig. 2 |
| PRO-11-026-03 | 16 cm (6 ¼"), Fig. 3 |
| PRO-11-026-04 | 16 cm (6 ¼"), Fig. 4 |



**O'Connor Skin Hook  
Sharp**

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-030-16 | 16 cm (6 ¼") |

**Joseph Mucus Hook  
Sharp**

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-034-15 | 15.5 cm (6") |



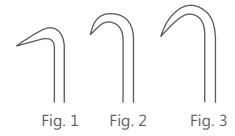


**Cottle Nasal Hook**  
Sharp

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-036-16 | 17 cm (6 3/4") |

**Cottle Nasal Hook**  
Sharp

| Catalog #     | Size, Profile            |
|---------------|--------------------------|
| PRO-11-038-01 | 14.5 cm (5 3/4"), Fig. 1 |
| PRO-11-038-02 | 14.5 cm (5 3/4"), Fig. 2 |
| PRO-11-038-03 | 14.5 cm (5 3/4"), Fig. 3 |



**Cushing Nerve Hook**  
Blunt

| Catalog #     | Size, Profile            |
|---------------|--------------------------|
| PRO-11-040-01 | 19 cm (7 1/2"), Fig. 1   |
| PRO-11-040-02 | 19.5 cm (7 3/4"), Fig. 2 |



**Cushing Nerve Hook**  
Blunt

| Catalog #     | Size, Profile       |
|---------------|---------------------|
| PRO-11-042-01 | 28 cm (11"), Fig. 1 |
| PRO-11-042-02 | 28 cm (11"), Fig. 2 |



**Graefe Nerve Hook**  
Blunt

| Catalog #     | Size, Profile          |
|---------------|------------------------|
| PRO-11-048-01 | 14 cm (5 1/2"), Fig. 1 |
| PRO-11-048-02 | 14 cm (5 1/2"), Fig. 2 |
| PRO-11-048-03 | 14 cm (5 1/2"), Fig. 3 |

**Crile Nerve Hook**

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-050-20 | 20 cm (8") |



**Guthrie Skin Retractor**  
Sharp

| Catalog #     | Size, Width          |
|---------------|----------------------|
| PRO-11-060-01 | 15.5 cm (6"), 2.0 mm |
| PRO-11-060-02 | 15.5 cm (6"), 3.0 mm |

**Rollet Fine Wound Retractor**  
2 Sharp Prongs

| Catalog #     | Size, Width        |
|---------------|--------------------|
| PRO-11-062-13 | 13 cm (5"), 4.5 mm |





**Rollet Fine Wound Retractor**

| Catalog #     | Size, Width, Profile                     |
|---------------|--|
| PRO-11-064-01 | 13.5 cm (5 1/4"), 7.0 mm, 4 Sharp Prongs |
| PRO-11-064-02 | 13.5 cm (5 1/4"), 7.0 mm, 4 Blunt Prongs |



**Knapp Fine Wound Retractor**  
4 Sharp Prongs

| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-066-13 | 13.5 cm (5 1/4") |



**Knapp Fine Wound Retractor**  
4 Blunt Prongs

| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-068-13 | 13.5 cm (5 1/4") |

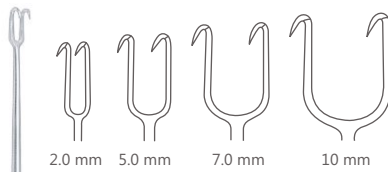


**McIndoe Wound Retractor**  
2 Sharp Prongs

| Catalog #     | Size, Width         |
|---------------|---------------------|
| PRO-11-070-01 | 15 cm (6"), 9.0 mm  |
| PRO-11-070-02 | 15 cm (6"), 10.0 mm |

**Freer Mucus Hook**  
Sharp

| Catalog #     | Size, Width        |
|---------------|--------------------|
| PRO-11-072-15 | 15 cm (6"), 3.2 mm |



**Joseph Mucus Hook**

| Catalog #     | Size, Width              |
|---------------|--------------------------|
| PRO-11-074-02 | 16.5 cm (6 1/2"), 2.0 mm |
| PRO-11-074-05 | 16.5 cm (6 1/2"), 5.0 mm |
| PRO-11-074-07 | 16.5 cm (6 1/2"), 7.0 mm |
| PRO-11-074-10 | 16.5 cm (6 1/2"), 10 mm  |



**Kilner Alar Hook**  
Sharp

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-076-10 | 8 cm (3 1/4") |





**Converse Alar Hook**  
Sharp

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-078-12 | 11.5 cm (4 ½") |

**Cottle Alar Hook**  
4 Semi Sharp Prongs

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-080-14 | 14 cm (5 ½") |

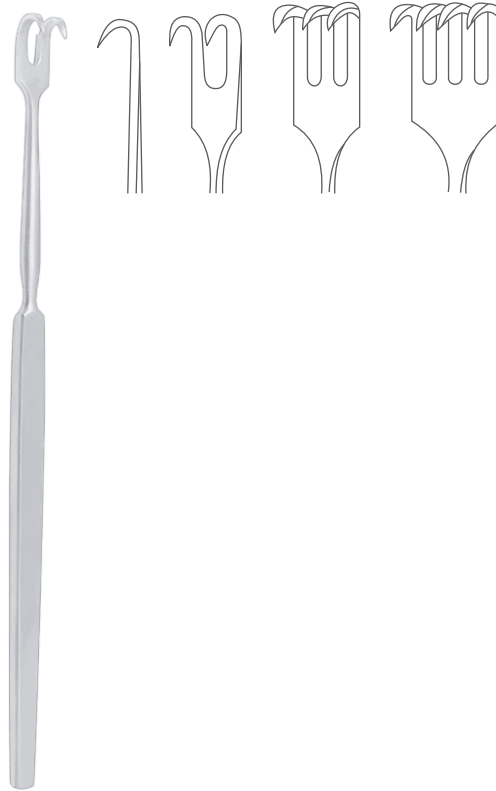


**Tissue Picker**  
2 Twisted Sharp Prongs

| Catalog #     | Size, Diameter           |
|---------------|--------------------------|
| PRO-11-084-18 | 18.5 cm (7 ¼"), Ø 1.8 mm |

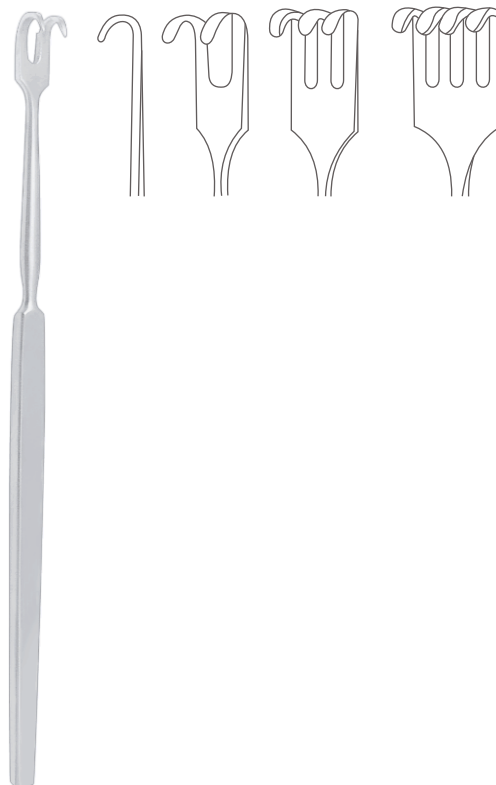






**Wound Retractor**  
Sharp Prongs, Small Curved

| Catalog #     | Size, Width              |
|---------------|--------------------------|
| PRO-11-100-01 | 16.5 cm (6 1/2")         |
| PRO-11-100-02 | 16.5 cm (6 1/2"), 4.2 mm |
| PRO-11-100-03 | 16.5 cm (6 1/2"), 7.0 mm |
| PRO-11-100-04 | 16.5 cm (6 1/2"), 9.5 mm |



**Wound Retractor**  
Blunt Prongs, Small Curved

| Catalog #     | Size, Width              |
|---------------|--------------------------|
| PRO-11-101-01 | 16.5 cm (6 1/2")         |
| PRO-11-101-02 | 16.5 cm (6 1/2"), 4.2 mm |
| PRO-11-101-03 | 16.5 cm (6 1/2"), 7.0 mm |
| PRO-11-101-04 | 16.5 cm (6 1/2"), 9.5 mm |



**Wound Retractor**  
Sharp Flexible Prongs

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-104-02 | 16 cm (6 ¼") |
| PRO-11-104-03 | 16 cm (6 ¼") |
| PRO-11-104-04 | 16 cm (6 ¼") |

**Wound Retractor**  
Blunt Flexible Prongs

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-105-02 | 16 cm (6 ¼") |
| PRO-11-105-03 | 16 cm (6 ¼") |
| PRO-11-105-04 | 16 cm (6 ¼") |



**Wound Retractor**

| Catalog #     | Size, Profile         |
|---------------|-----------------------|
| PRO-11-108-01 | 16.5 cm (6 ½"), Sharp |
| PRO-11-108-02 | 16.5 cm (6 ½"), Blunt |

**Moldestad Vessel Hook**

| Catalog #     | Size, Profile |
|---------------|---------------|
| PRO-11-110-12 | 12 cm (4 ¾")  |



**Desmarres Lid Retractor**

| Catalog #     | Size, Blade Width     |
|---------------|-----------------------|
| PRO-11-120-08 | 16 cm (6 ¼"), 8.0 mm  |
| PRO-11-120-10 | 16 cm (6 ¼"), 10.0 mm |
| PRO-11-120-12 | 16 cm (6 ¼"), 12.0 mm |
| PRO-11-120-14 | 16 cm (6 ¼"), 14.0 mm |
| PRO-11-120-16 | 16 cm (6 ¼"), 16.0 mm |
| PRO-11-120-18 | 16 cm (6 ¼"), 18.0 mm |



**Lid Retractor  
Hollow Blade**

| Catalog #     | Size, Blade Width     |
|---------------|-----------------------|
| PRO-11-122-12 | 16 cm (6 ¼"), 12.0 mm |
| PRO-11-122-14 | 16 cm (6 ¼"), 14.0 mm |
| PRO-11-122-16 | 16 cm (6 ¼"), 16.0 mm |
| PRO-11-122-18 | 16 cm (6 ¼"), 18.0 mm |



**Masing Lid Retractor**

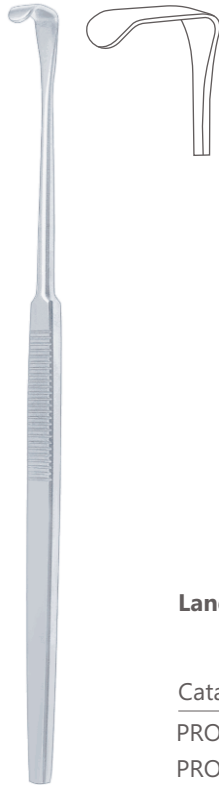
| Catalog #     | Size, Blade Width     |
|---------------|-----------------------|
| PRO-11-124-14 | 14 cm (5 ½"), 12.0 mm |



**Cottle Lid Retractor**

| Catalog #     | Size, Blade Width     |
|---------------|-----------------------|
| PRO-11-126-14 | 14 cm (5 ½"), 12.0 mm |





**Mini-Langenbeck Retractor**

| Catalog #     | Size, Blade Size        |
|---------------|-------------------------|
| PRO-11-130-10 | 16 cm (6 ¼"), 10 x 6 mm |
| PRO-11-130-17 | 16 cm (6 ¼"), 17 x 5 mm |
| PRO-11-130-20 | 16 cm (6 ¼"), 20 x 6 mm |
| PRO-11-130-22 | 16 cm (6 ¼"), 22 x 8mm  |

**Langenbeck-Green Retractor**

| Catalog #     | Size, Blade Size        |
|---------------|-------------------------|
| PRO-11-132-16 | 16 cm (6 ¼"), 16 x 6 mm |
| PRO-11-132-24 | 16 cm (6 ¼"), 24 x 6 mm |



**Wound Retractor**  
Two Blunt Prongs

| Catalog #     | Size, Blade Size        |
|---------------|-------------------------|
| PRO-11-136-16 | 16 cm (6 ¼"), 14 x 8 mm |

**Wound Retractor**  
Sharp Prongs, Large Curved

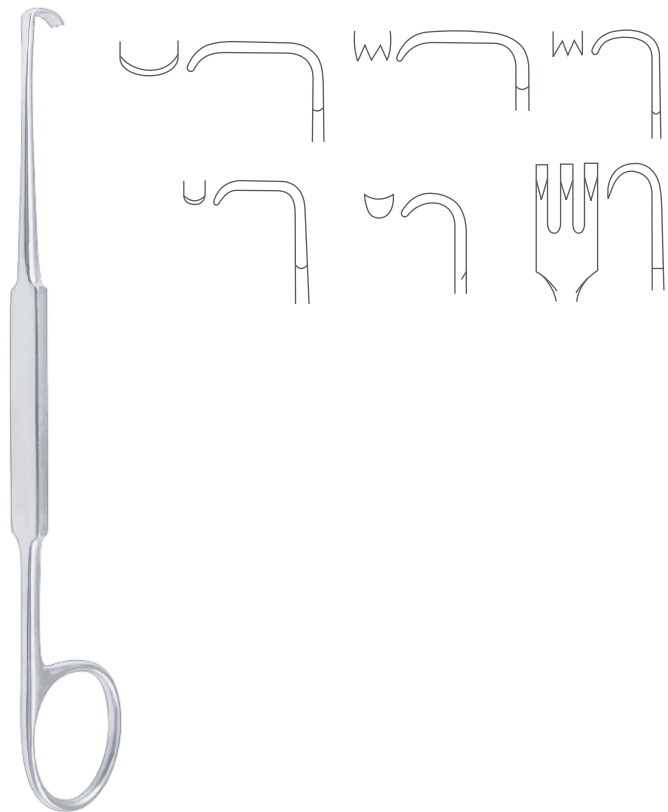
| Catalog #     | Size, Width             |
|---------------|-------------------------|
| PRO-11-140-01 | 16.5 cm (6 ½")          |
| PRO-11-140-02 | 16.5 cm (6 ½"), 7.5 mm  |
| PRO-11-140-03 | 16.5 cm (6 ½"), 10.0 mm |
| PRO-11-140-04 | 16.5 cm (6 ½"), 14.0 mm |





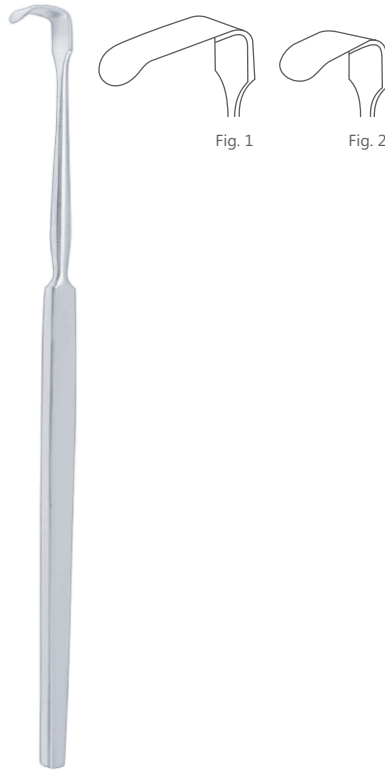
**Wound Retractor**  
Blunt Prongs, Large Curved

| Catalog #     | Size, Width               |
|---------------|---------------------------|
| PRO-11-141-01 | 16.5 cm (6 1/2")          |
| PRO-11-141-02 | 16.5 cm (6 1/2"), 7.5 mm  |
| PRO-11-141-03 | 16.5 cm (6 1/2"), 10.0 mm |
| PRO-11-141-04 | 16.5 cm (6 1/2"), 14.0 mm |



**Meyerding Retractor**

| Catalog #     | Size, Profile, Blade Size               |
|---------------|---|
| PRO-11-150-01 | 17.5 cm (7"), Blunt, 18 x 7 mm          |
| PRO-11-150-02 | 17.5 cm (7"), Toothed, 16 x 5 mm        |
| PRO-11-150-03 | 17.5 cm (7"), Toothed, 17 x 4 mm        |
| PRO-11-150-04 | 17.5 cm (7"), Blunt, 10 x 3 mm          |
| PRO-11-150-05 | 17.5 cm (7"), Saddle Shaped, 7 x 4 mm   |
| PRO-11-150-06 | 17.5 cm (7"), 3 Sharp Prongs, 10 x 4 mm |



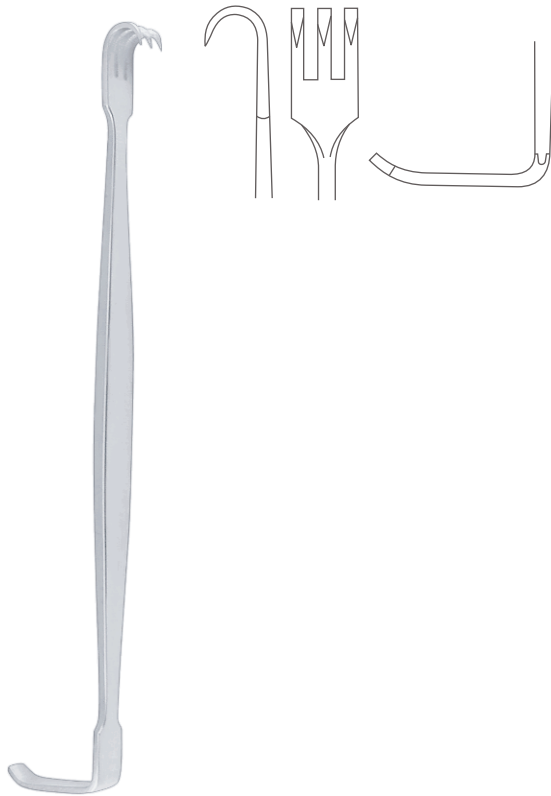
**Senn-Green Retractor**

| Catalog #     | Size, Blade Size, Profile     |
|---------------|-------------------------------|
| PRO-11-156-01 | 15 cm (6"), 20 x 6 mm, Fig. 1 |
| PRO-11-156-02 | 15 cm (6"), 10 x 6 mm, Fig. 2 |



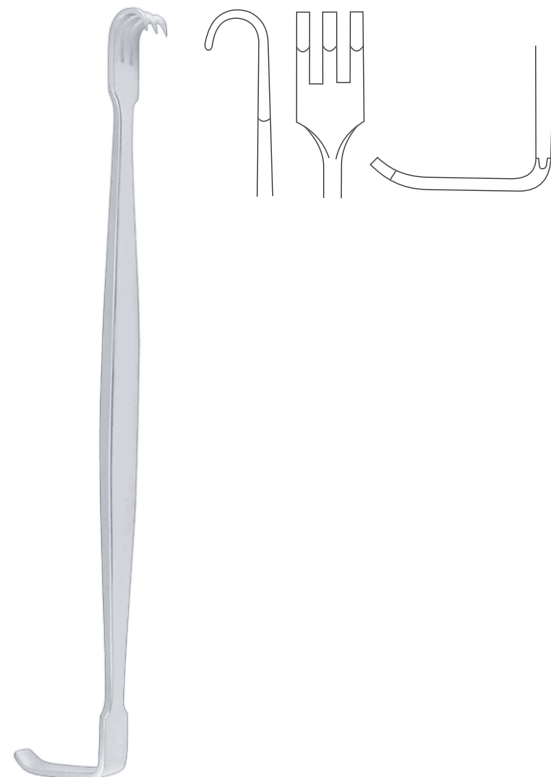
**Ragnell-Davis Retractor**

| Catalog #     | Size, Blade Size                     |
|---------------|--------------------------------------|
| PRO-11-158-14 | 14 cm (5 ½"), 8 x 4 mm - 15 x 5.5 mm |



**Senn-Miller Retractor**  
Sharp

| Catalog #     | Size, Blade Size        |
|---------------|-------------------------|
| PRO-11-162-16 | 16 cm (6 ¼"), 20 x 7 mm |



**Senn-Miller Retractor**  
Blunt

| Catalog #     | Size, Blade Size        |
|---------------|-------------------------|
| PRO-11-163-16 | 16 cm (6 ¼"), 20 x 7 mm |

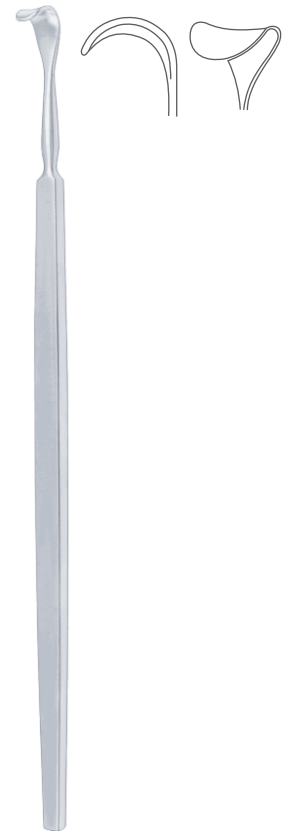


**Cushing Retractor/Saddle Hook**

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-170-20 | 20.5 cm (8") |

**Cushing Retractor/Saddle Hook**

| Catalog #     | Size, Blade Size      |
|---------------|-----------------------|
| PRO-11-172-08 | 20.5 cm (8"), 8.0 mm  |
| PRO-11-172-10 | 20.5 cm (8"), 10.0 mm |
| PRO-11-172-12 | 20.5 cm (8"), 12.0 mm |
| PRO-11-172-14 | 20.5 cm (8"), 14.0 mm |
| PRO-11-172-16 | 20.5 cm (8"), 16.0 mm |
| PRO-11-172-18 | 20.5 cm (8"), 18.0 mm |



**Cushing Retractor/Saddle Hook**

| Catalog #     | Size, Blade Size        |
|---------------|-------------------------|
| PRO-11-174-08 | 24 cm (9 1/2"), 8.0 mm  |
| PRO-11-174-10 | 24 cm (9 1/2"), 10.0 mm |
| PRO-11-174-12 | 24 cm (9 1/2"), 12.0 mm |
| PRO-11-174-14 | 24 cm (9 1/2"), 14.0 mm |
| PRO-11-174-16 | 24 cm (9 1/2"), 16.0 mm |
| PRO-11-174-18 | 24 cm (9 1/2"), 18.0 mm |



**Gil-Vernet Retractor/Saddle Hook**

| Catalog #     | Size, Blade Size        |
|---------------|-------------------------|
| PRO-11-176-08 | 24 cm (9 1/2"), 8.0 mm  |
| PRO-11-176-11 | 24 cm (9 1/2"), 11.0 mm |
| PRO-11-176-15 | 24 cm (9 1/2"), 15.0 mm |
| PRO-11-176-17 | 24 cm (9 1/2"), 17.0 mm |
| PRO-11-176-20 | 24 cm (9 1/2"), 20.0 mm |
| PRO-11-176-23 | 24 cm (9 1/2"), 23.0 mm |







**Brom Vein Hook**

| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-178-01 | 19.5 cm (7 3/4") |
| PRO-11-178-02 | 19.5 cm (7 3/4") |



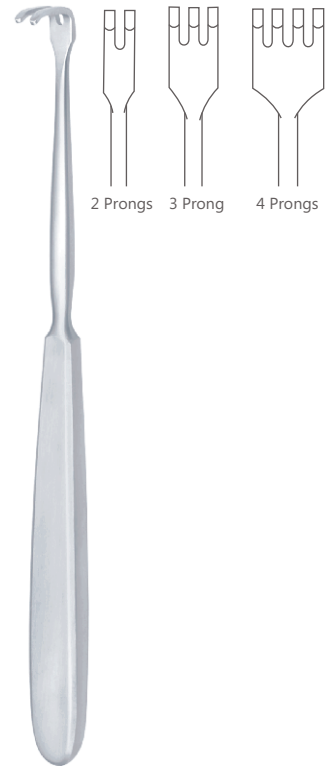
**Strandell-Stille Retractor**

| Catalog #     | Size, Profile           |
|---------------|-------------------------|
| PRO-11-180-01 | 19 cm (7 3/4"), Smooth  |
| PRO-11-180-02 | 19 cm (7 3/4"), Toothed |



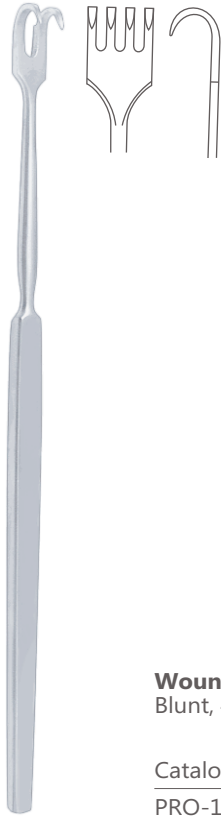
**Kaye-Millard Retractor Sharp**

| Catalog #     | Size      |
|---------------|-----------|
| PRO-11-184-08 | 8 cm (3") |



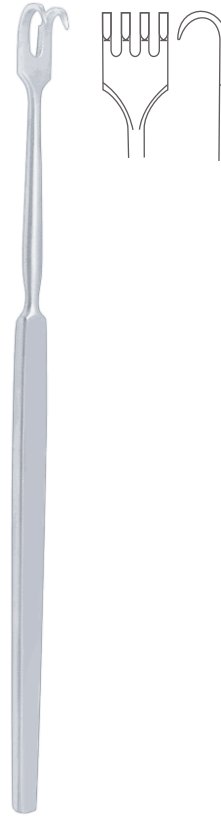
**Klapp Retractor Blunt**

| Catalog #     | Size, Blade Size, Profile          |
|---------------|------------------------------------|
| PRO-11-190-01 | 17.5 cm (7"), 13 x 6 mm, 2 Prongs  |
| PRO-11-190-02 | 17.5 cm (7")s, 12 x 11 mm, 3 Prong |
| PRO-11-190-03 | 17.5 cm (7"), 15 x 11 mm, 4 Prongs |



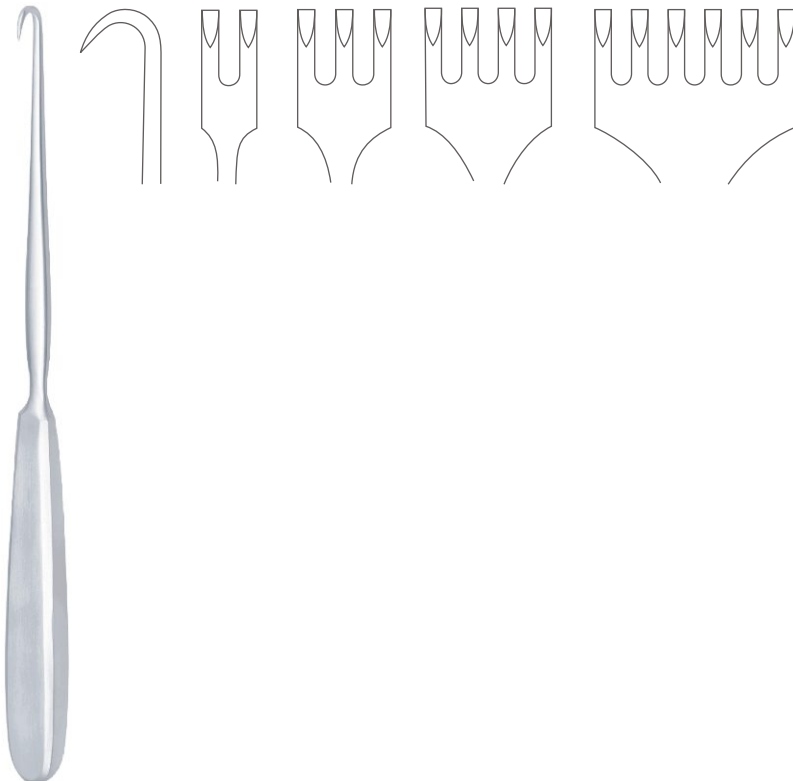
**Wound Retractor**  
Sharp, 4 Prongs

| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-192-04 | 16.5 cm (6 1/2") |



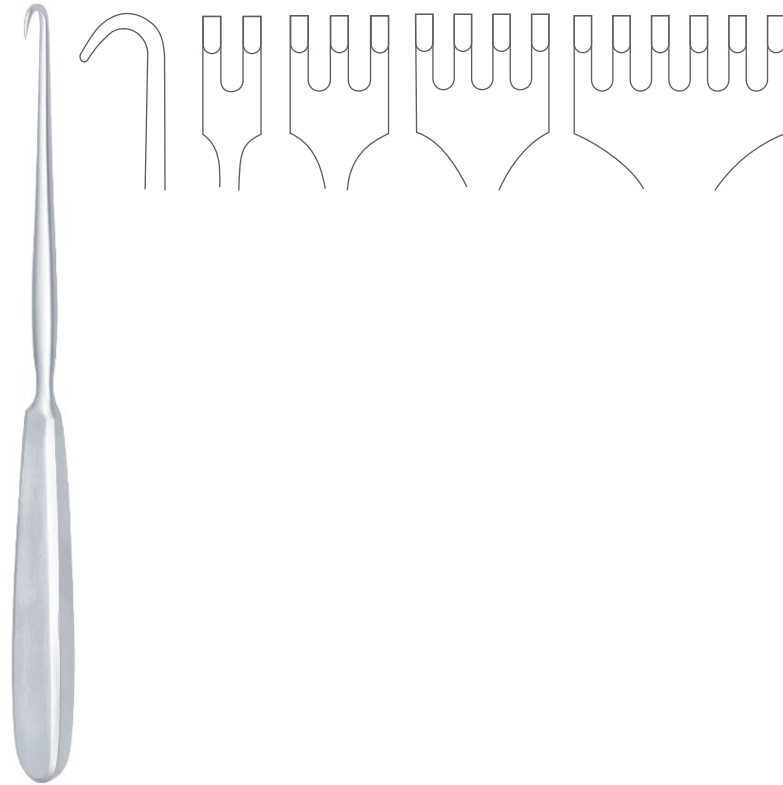
**Wound Retractor**  
Blunt, 4 Prongs

| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-193-04 | 16.5 cm (6 1/2") |



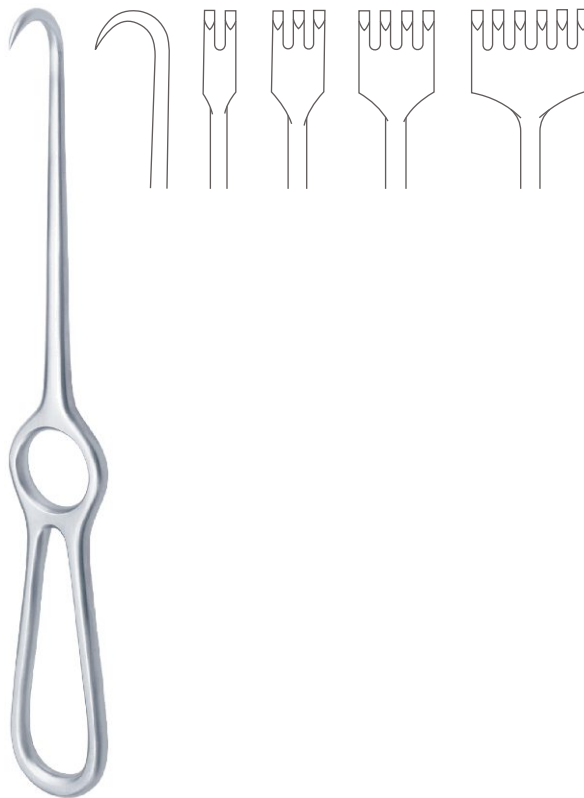
**Volkman Rettractor**  
Sharp, Hollow Handle

| Catalog #     | Size, Profile              |
|---------------|----------------------------|
| PRO-11-200-01 | 21.5 cm (8 1/2"), 1 Prong  |
| PRO-11-200-02 | 21.5 cm (8 1/2"), 2 Prongs |
| PRO-11-200-03 | 21.5 cm (8 1/2"), 3 Prongs |
| PRO-11-200-04 | 21.5 cm (8 1/2"), 4 Prongs |
| PRO-11-200-06 | 21.5 cm (8 1/2"), 6 Prongs |



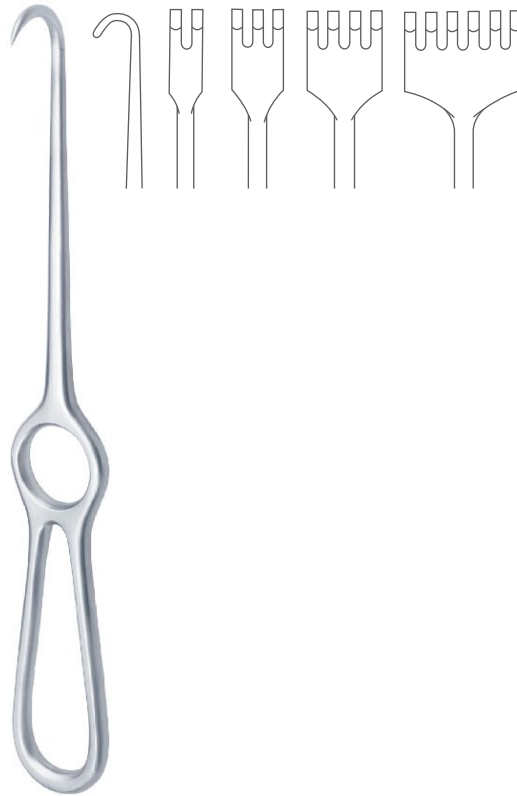
**Volkmann Retractor**  
Blunt, Hollow Handle

| Catalog #     | Size, Profile              |
|---------------|----------------------------|
| PRO-11-201-01 | 21.5 cm (8 1/2"), 1 Prong  |
| PRO-11-201-02 | 21.5 cm (8 1/2"), 2 Prongs |
| PRO-11-201-03 | 21.5 cm (8 1/2"), 3 Prongs |
| PRO-11-201-04 | 21.5 cm (8 1/2"), 4 Prongs |
| PRO-11-201-06 | 21.5 cm (8 1/2"), 6 Prongs |



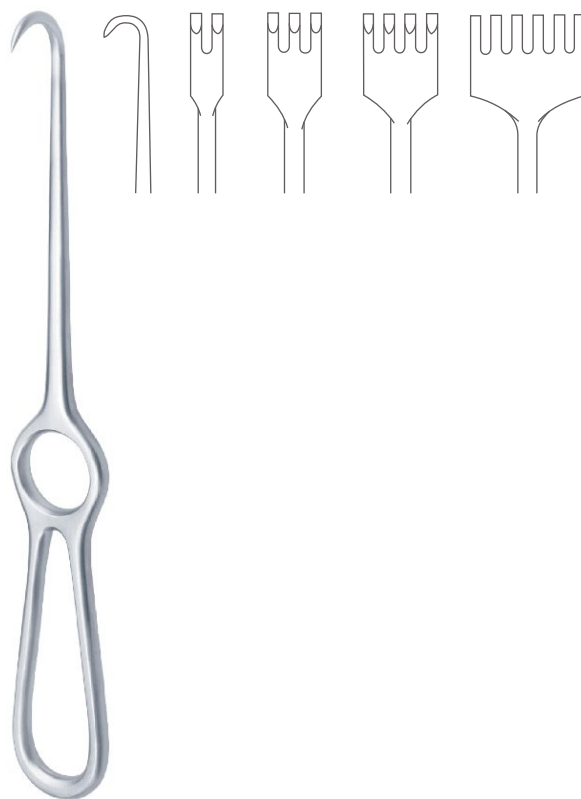
**Volkmann Retractor**  
Sharp

| Catalog #     | Size, Profile            |
|---------------|--------------------------|
| PRO-11-210-01 | 22 cm (8 3/4"), 1 Prong  |
| PRO-11-210-02 | 22 cm (8 3/4"), 2 Prongs |
| PRO-11-210-03 | 22 cm (8 3/4"), 3 Prongs |
| PRO-11-210-04 | 22 cm (8 3/4"), 4 Prongs |
| PRO-11-210-06 | 22 cm (8 3/4"), 6 Prongs |



**Volkmann Retractor**  
Blunt

| Catalog #     | Size, Profile            |
|---------------|--------------------------|
| PRO-11-211-01 | 22 cm (8 3/4"), 1 Prong  |
| PRO-11-211-02 | 22 cm (8 3/4"), 2 Prongs |
| PRO-11-211-03 | 22 cm (8 3/4"), 3 Prongs |
| PRO-11-211-04 | 22 cm (8 3/4"), 4 Prongs |
| PRO-11-211-06 | 22 cm (8 3/4"), 6 Prongs |



**Volkmann Retractor**  
Semi Sharp

| Catalog #     | Size, Profile            |
|---------------|--------------------------|
| PRO-11-212-01 | 22 cm (8 3/4"), 1 Prong  |
| PRO-11-212-02 | 22 cm (8 3/4"), 2 Prongs |
| PRO-11-212-03 | 22 cm (8 3/4"), 3 Prongs |
| PRO-11-212-04 | 22 cm (8 3/4"), 4 Prongs |
| PRO-11-212-06 | 22 cm (8 3/4"), 6 Prongs |



**Volkman Retractor**  
Sharp, 1 Prong

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-214-01 | 21.5 cm (8 ½") |



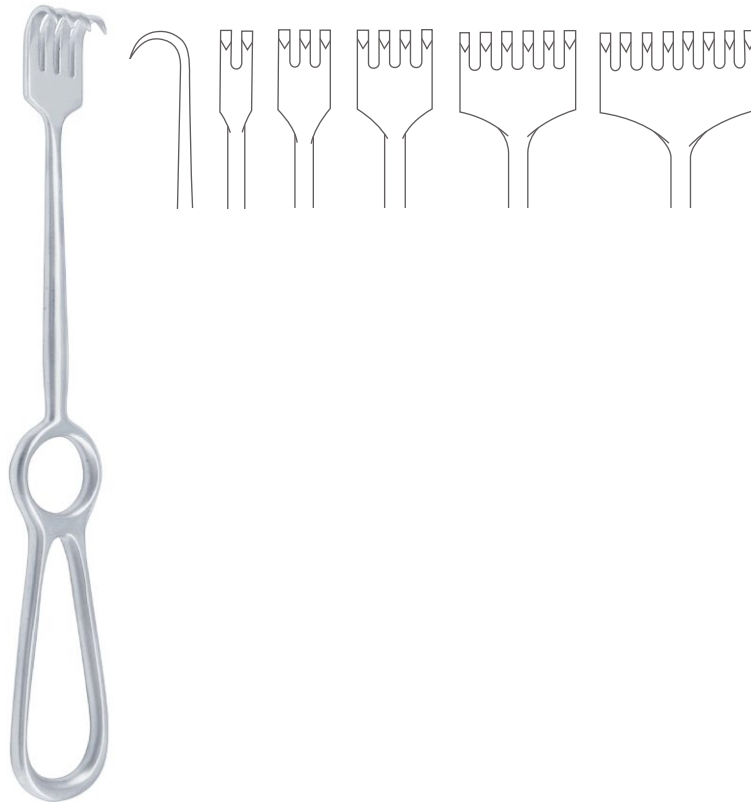
**Volkman Retractor**  
Blunt, 1 Prong

| Catalog #     | Size, Profile  |
|---------------|----------------|
| PRO-11-215-01 | 21.5 cm (8 ½") |



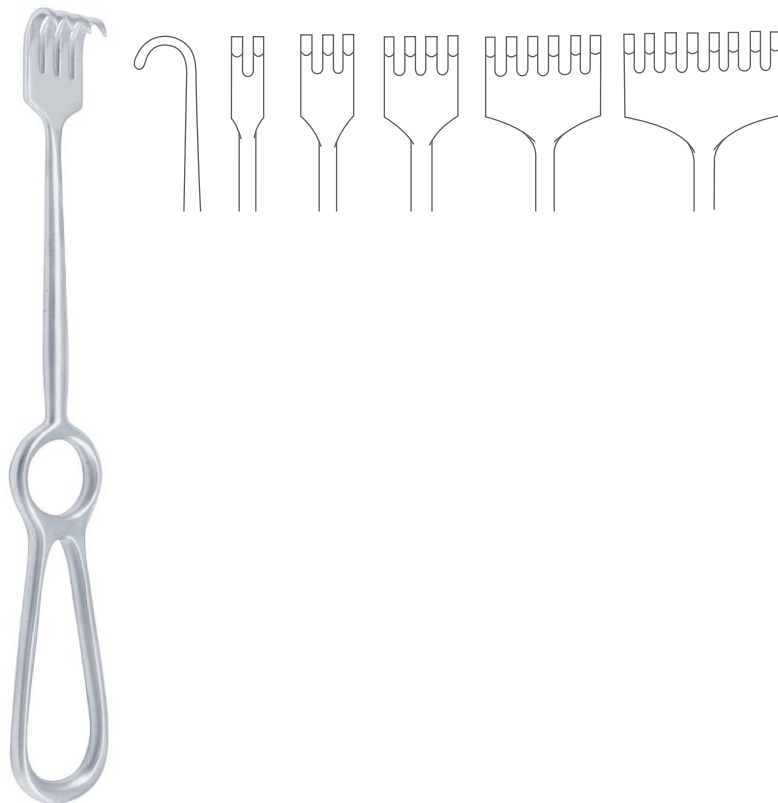
**Volkman Retractor**  
Sharp, 1 Prong

| Catalog #     | Size, Profile  |
|---------------|----------------|
| PRO-11-218-01 | 21.5 cm (8 ½") |



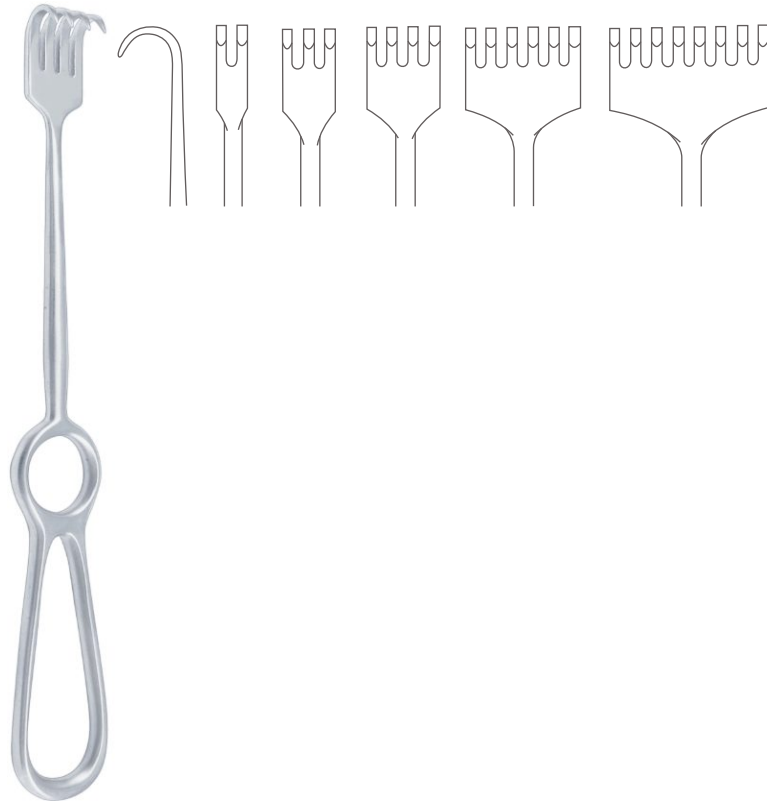
**Kocher Retractor**  
Sharp

| Catalog #     | Size, Profile            |
|---------------|--------------------------|
| PRO-11-220-01 | 22 cm (8 3/4"), 1 Prong  |
| PRO-11-220-02 | 22 cm (8 3/4"), 2 Prongs |
| PRO-11-220-03 | 22 cm (8 3/4"), 3 Prongs |
| PRO-11-220-04 | 22 cm (8 3/4"), 4 Prongs |
| PRO-11-220-06 | 22 cm (8 3/4"), 6 Prongs |
| PRO-11-220-08 | 22 cm (8 3/4"), 8 Prongs |



**Kocher Retractor**  
Blunt

| Catalog #     | Size, Profile            |
|---------------|--------------------------|
| PRO-11-221-01 | 22 cm (8 3/4"), 1 Prong  |
| PRO-11-221-02 | 22 cm (8 3/4"), 2 Prongs |
| PRO-11-221-03 | 22 cm (8 3/4"), 3 Prongs |
| PRO-11-221-04 | 22 cm (8 3/4"), 4 Prongs |
| PRO-11-221-06 | 22 cm (8 3/4"), 6 Prongs |
| PRO-11-221-08 | 22 cm (8 3/4"), 8 Prongs |



**Kocher Retractor**  
Semi Sharp

| Catalog #     | Size, Profile            |
|---------------|--------------------------|
| PRO-11-222-01 | 22 cm (8 3/4"), 1 Prong  |
| PRO-11-222-02 | 22 cm (8 3/4"), 2 Prongs |
| PRO-11-222-03 | 22 cm (8 3/4"), 3 Prongs |
| PRO-11-222-04 | 22 cm (8 3/4"), 4 Prongs |
| PRO-11-222-06 | 22 cm (8 3/4"), 6 Prongs |
| PRO-11-222-08 | 22 cm (8 3/4"), 8 Prongs |



**Murphy Retractor**  
Sharp

| Catalog #     | Size, Profile              |
|---------------|----------------------------|
| PRO-11-224-03 | 19.5 cm (7 3/4"), 3 Prongs |
| PRO-11-224-04 | 19.5 cm (7 3/4"), 4 Prongs |

**Murphy Retractor**  
Blunt

| Catalog #     | Size, Profile              |
|---------------|----------------------------|
| PRO-11-225-03 | 19.5 cm (7 3/4"), 3 Prongs |
| PRO-11-225-04 | 19.5 cm (7 3/4"), 4 Prongs |





**Ollier Retractor**  
Blunt

| Catalog #     | Size, Blade Size, Profile        |
|---------------|----------------------------------|
| PRO-11-231-03 | 23 cm (9"), 36 x 30 mm, 3 Prongs |
| PRO-11-231-04 | 23 cm (9"), 36 x 60 mm, 4 Prongs |



**Wassmund Retractor**

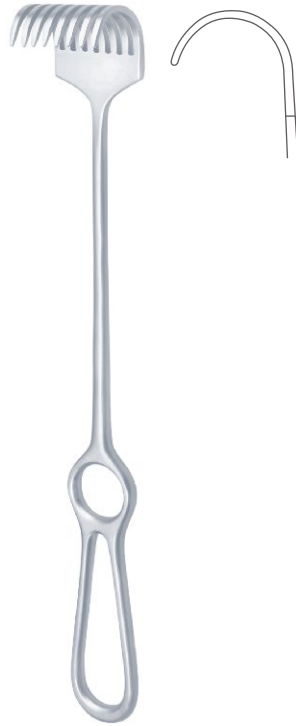
| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-235-02 | 20.5 cm (8"), 33 x 21 mm |

**Koerte Retractor**  
Sharp, 8 Prongs

| Catalog #     | Size, Blade Size             |
|---------------|------------------------------|
| PRO-11-238-08 | 24.5 cm (9 3/4"), 40 x 30 mm |







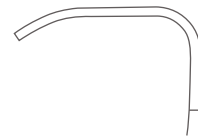
**Koerte Retractor**  
Blunt, 8 Prongs

| Catalog #     | Size, Blade Size             |
|---------------|------------------------------|
| PRO-11-239-08 | 24.5 cm (9 3/4"), 40 x 30 mm |

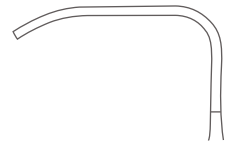


**Israel Retractor**  
Blunt, 4 prongs

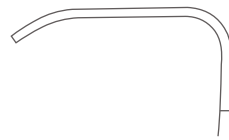
| Catalog #     | Size, Blade Size, Profile                  |
|---------------|--|
| PRO-11-241-04 | 25.5 cm (10"), 40 x 40 mm, Blunt, 4 Prongs |
| PRO-11-243-05 | 25.5 cm (10"), 45 x 50 mm, Blunt, 5 Prongs |
| PRO-11-245-06 | 25.5 cm (10"), 50 x 60 mm, Blunt, 6 Prongs |
| PRO-11-247-07 | 25.5 cm (10"), 70 x 70 mm, Blunt, 7 Prongs |



Blunt, 4 Prongs



Blunt, 5 Prongs



Blunt, 6 Prongs



Blunt, 7 Prongs



**Langenbeck Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-251-01 | 22.5 cm (8 ¾"), 30 x 11 mm |
| PRO-11-251-02 | 22.5 cm (8 ¾"), 30 x 14 mm |
| PRO-11-251-03 | 22.5 cm (8 ¾"), 30 x 16 mm |
| PRO-11-251-04 | 22.5 cm (8 ¾"), 40 x 11 mm |
| PRO-11-251-05 | 22.5 cm (8 ¾"), 50 x 11 mm |

**Langenbeck Retractor**  
Hollow Handle

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-253-01 | 22.5 cm (8 ¾"), 30 x 11 mm |
| PRO-11-253-02 | 22.5 cm (8 ¾"), 30 x 14 mm |
| PRO-11-253-03 | 22.5 cm (8 ¾"), 30 x 16 mm |
| PRO-11-253-04 | 22.5 cm (8 ¾"), 40 x 11 mm |
| PRO-11-253-05 | 22.5 cm (8 ¾"), 50 x 11 mm |



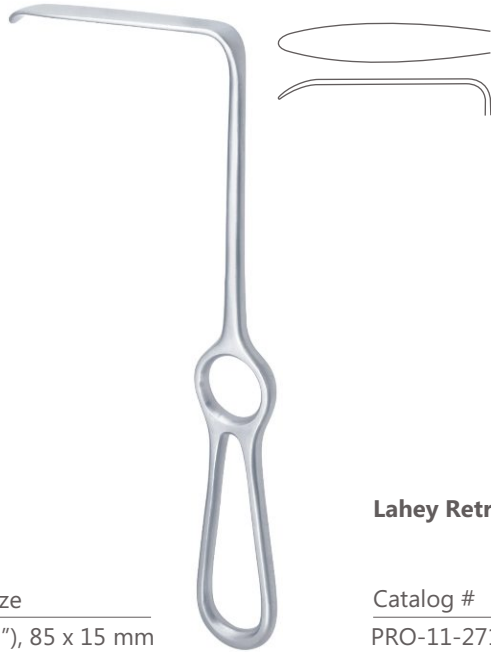
**Langenbeck Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-255-00 | 22.5 cm (8 ¾"), 33 x 14 mm |

**Langenbeck Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-257-01 | 21 cm (8 ¼"), 55 x 20 mm |
| PRO-11-257-02 | 21 cm (8 ¼"), 60 x 20 mm |
| PRO-11-257-03 | 21 cm (8 ¼"), 63 x 20 mm |





**Langenbeck Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-259-22 | 22.5 cm (8 ¾"), 85 x 15 mm |

**Lahey Retractor**

| Catalog #     | Size, Blade Size          |
|---------------|---------------------------|
| PRO-11-271-19 | 19.5 cm (7 ¾"), 31 x 6 mm |



**Little Retractor**

| Catalog #     | Size, Blade Size       |
|---------------|------------------------|
| PRO-11-275-20 | 20 cm (8"), 13 x 15 mm |

**Kocher Retractor**

| Catalog #     | Size, Blade Size       |
|---------------|------------------------|
| PRO-11-281-18 | 23 cm (9"), 41 x 18 mm |
| PRO-11-281-20 | 23 cm (9"), 61 x 20 mm |
| PRO-11-281-25 | 23 cm (9"), 61 x 25 mm |
| PRO-11-281-30 | 23 cm (9"), 75 x 30 mm |
| PRO-11-281-40 | 23 cm (9"), 75 x 40 mm |





**Kocher-Langenbeck Retractor**

| Catalog #     | Size, Blade Size             |
|---------------|------------------------------|
| PRO-11-291-01 | 21.5 cm (8 1/2"), 25 x 6 mm  |
| PRO-11-291-02 | 21.5 cm (8 1/2"), 35 x 8 mm  |
| PRO-11-291-03 | 21.5 cm (8 1/2"), 35 x 11 mm |
| PRO-11-291-04 | 21.5 cm (8 1/2"), 35 x 15 mm |
| PRO-11-291-05 | 21.5 cm (8 1/2"), 40 x 11 mm |
| PRO-11-291-06 | 21.5 cm (8 1/2"), 55 x 11 mm |
| PRO-11-291-07 | 21.5 cm (8 1/2"), 70 x 14 mm |
| PRO-11-291-08 | 21.5 cm (8 1/2"), 80 x 12 mm |
| PRO-11-291-09 | 21.5 cm (8 1/2"), 80 x 16 mm |

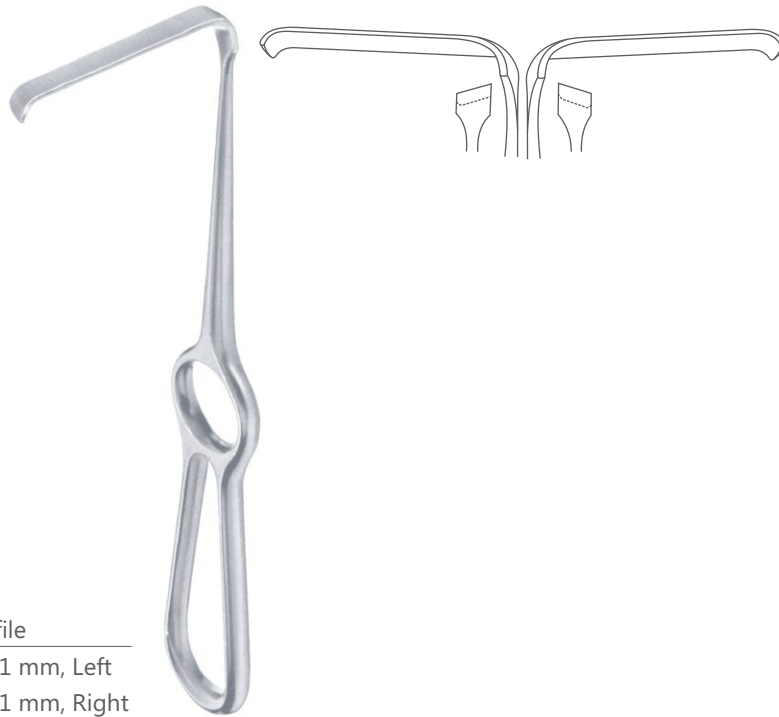
**Kocher-Langenbeck Retractor**

| Catalog #     | Size, Blade Size             |
|---------------|------------------------------|
| PRO-11-293-01 | 21.5 cm (8 1/2"), 25 x 10 mm |
| PRO-11-293-02 | 21.5 cm (8 1/2"), 40 x 13 mm |
| PRO-11-293-03 | 21.5 cm (8 1/2"), 60 x 13 mm |
| PRO-11-293-04 | 21.5 cm (8 1/2"), 40 x 18 mm |
| PRO-11-293-05 | 21.5 cm (8 1/2"), 60 x 18 mm |
| PRO-11-293-06 | 21.5 cm (8 1/2"), 85 x 18 mm |
| PRO-11-293-07 | 21.5 cm (8 1/2"), 60 x 25 mm |
| PRO-11-293-08 | 21.5 cm (8 1/2"), 85 x 25 mm |



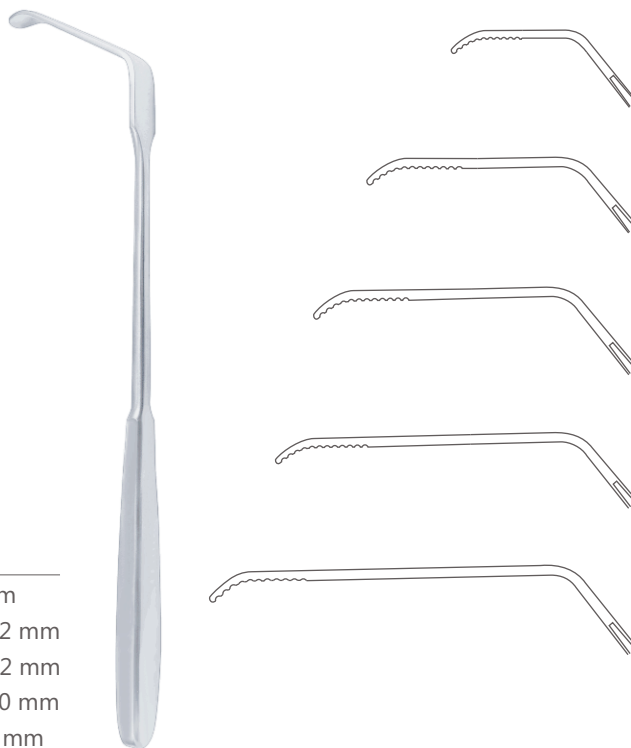
**Sauerbruch Retractor**

| Catalog #     | Size, Blade Size             |
|---------------|------------------------------|
| PRO-11-295-01 | 22.5 cm (8 3/4"), 45 x 15 mm |
| PRO-11-295-02 | 22.5 cm (8 3/4"), 60 x 23 mm |
| PRO-11-295-03 | 22.5 cm (8 3/4"), 72 x 20 mm |



**Kirsch Retractor**

| Catalog #     | Size, Blade Size, Profile       |
|---------------|---------------------------------|
| PRO-11-297-01 | 21 cm (8 ¼"), 60 x 11 mm, Left  |
| PRO-11-297-02 | 21 cm (8 ¼"), 60 x 11 mm, Right |



**Zenker Retractor**

| Catalog #     | Size, Blade Size            |
|---------------|-----------------------------|
| PRO-11-301-01 | 25 cm (9 ¾"), 35 x 8 mm     |
| PRO-11-301-02 | 26.5 cm (10 ½"), 60 x 12 mm |
| PRO-11-301-03 | 27.5 cm (10 ¾"), 75 x 12 mm |
| PRO-11-301-04 | 28.5 cm (11 ¼"), 85 x 20 mm |
| PRO-11-301-05 | 30.5 cm (12"), 100 x 25 mm  |

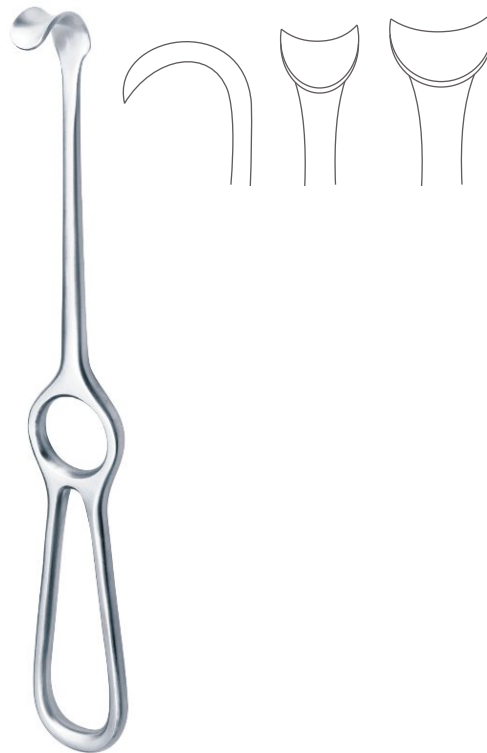


**Koenig Retractor**

| Catalog #     | Size, Blade Size       |
|---------------|------------------------|
| PRO-11-305-01 | 18 cm (7"), 13 x 13 mm |
| PRO-11-305-02 | 18 cm (7"), 12 x 16 mm |

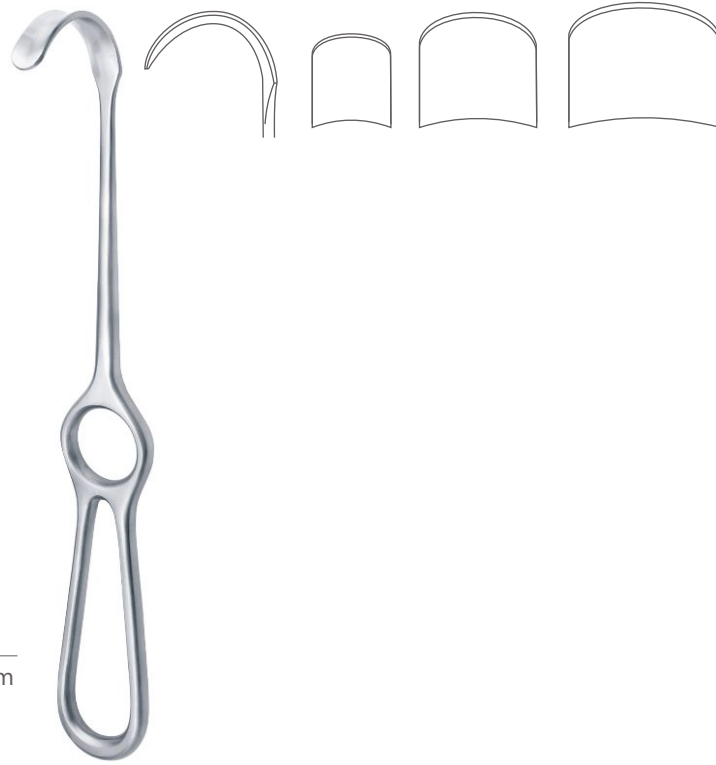
**Cushing-Kocher Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-305-17 | 17.5 cm (7"), 10 x 10 mm |



**Kocher Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-321-01 | 21.5 cm (8 ½"), 22 x 12 mm |
| PRO-11-321-02 | 21.5 cm (8 ½"), 24 x 14 mm |



**Kocher Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-331-01 | 22 cm (8 ½"), 42 x 10 mm |
| PRO-11-331-02 | 23 cm (9"), 42 x 15 mm   |
| PRO-11-331-03 | 23 cm (9"), 43 x 20 mm   |

**Schoenborn Retractor**

| Catalog #     | Size, Blade Size      |
|---------------|-----------------------|
| PRO-11-335-20 | 20 cm (8"), 13 x 6 mm |



**Wound Retractor**  
Double Ended

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-337-20 | 20.5 cm (8"), 20 x 19 mm |



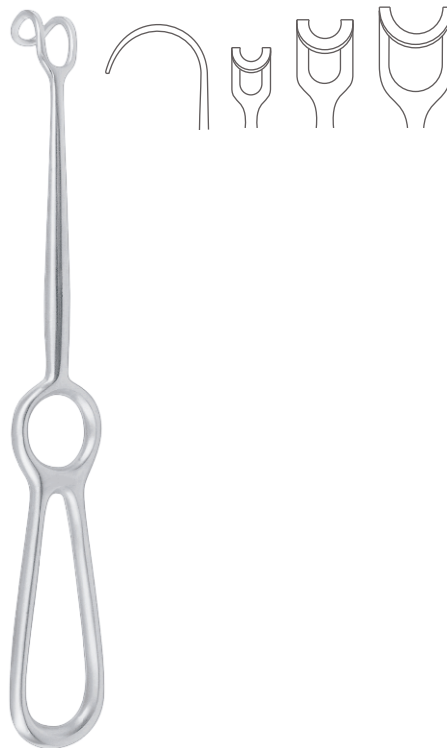


**Dissecting Hook**  
For Longitudinal Dissection of Vessels

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-341-23 | 23.5 cm (9 ½") |

**Durham Retractor**

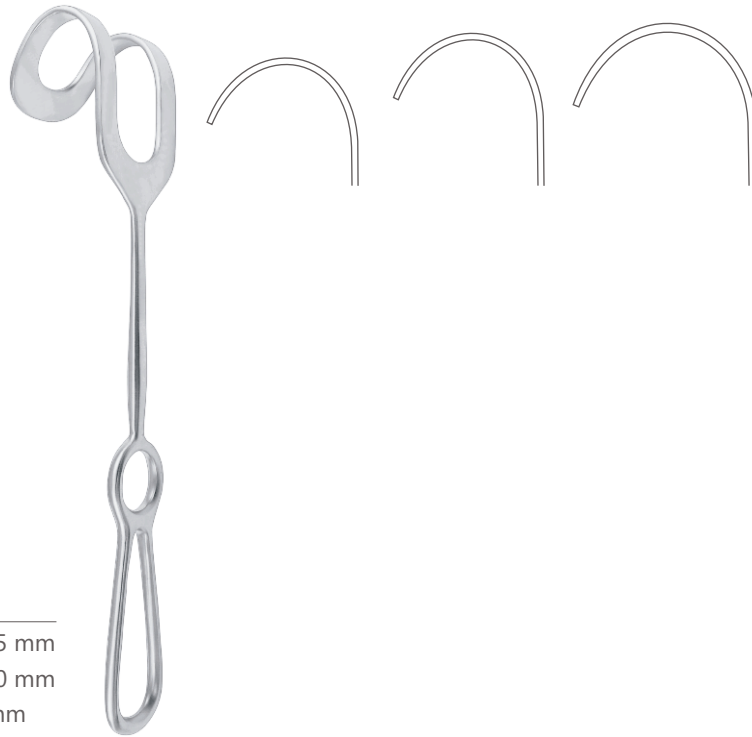
| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-351-21 | 21.5 cm (8 ½"), 16 x 25 mm |



**Middeldorf Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-353-01 | 21.5 cm (8 ½"), 15 x 17 mm |
| PRO-11-353-02 | 23 cm (9"), 22 x 22 mm     |
| PRO-11-353-03 | 24.5 cm (9 ¾"), 26 x 31 mm |





**Middeldorf Retractor**

| Catalog #     | Size, Blade Size            |
|---------------|-----------------------------|
| PRO-11-355-01 | 27 cm (10 3/4"), 48 x 45 mm |
| PRO-11-355-02 | 27 cm (10 3/4"), 52 x 50 mm |
| PRO-11-355-03 | 28 cm (11"), 60 x 70 mm     |



**Greene Retractor**

| Catalog #     | Size, Blade Size             |
|---------------|------------------------------|
| PRO-11-357-22 | 22.5 cm (8 3/4"), 22 x 22 mm |



**Buchs Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-361-20 | 20.5 cm (8"), 38 x 18 mm |



**Kraemer Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-363-21 | 21 cm (8 ¼"), 66 x 10 mm |



**Caspar Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-365-21 | 21 cm (8 ¼"), 67 x 17 mm |



**Dockhorn Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-367-01 | 21 cm (8 ¼"), 40 x 12 mm |
| PRO-11-367-02 | 21 cm (8 ¼"), 55 x 14 mm |



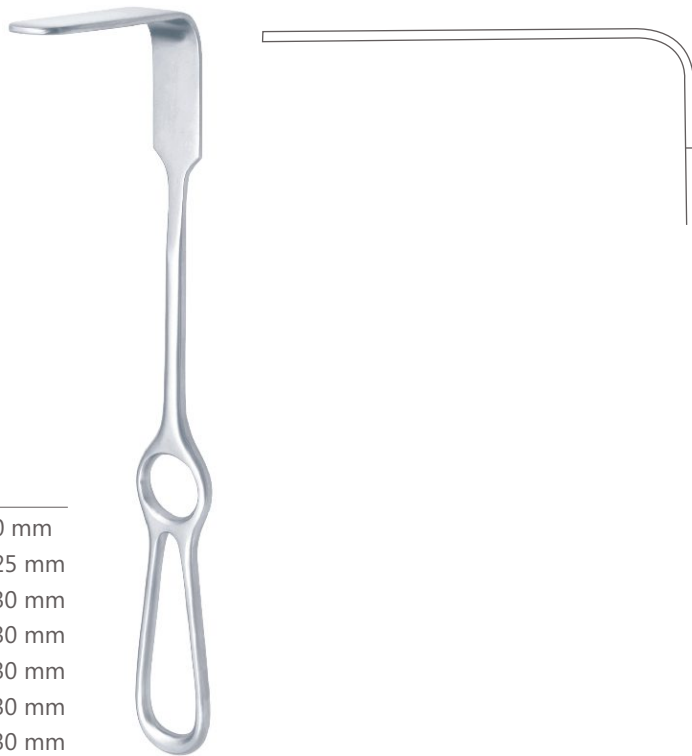
**Martin Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-371-25 | 26 cm (10 ¼"), 110 x 27 mm |



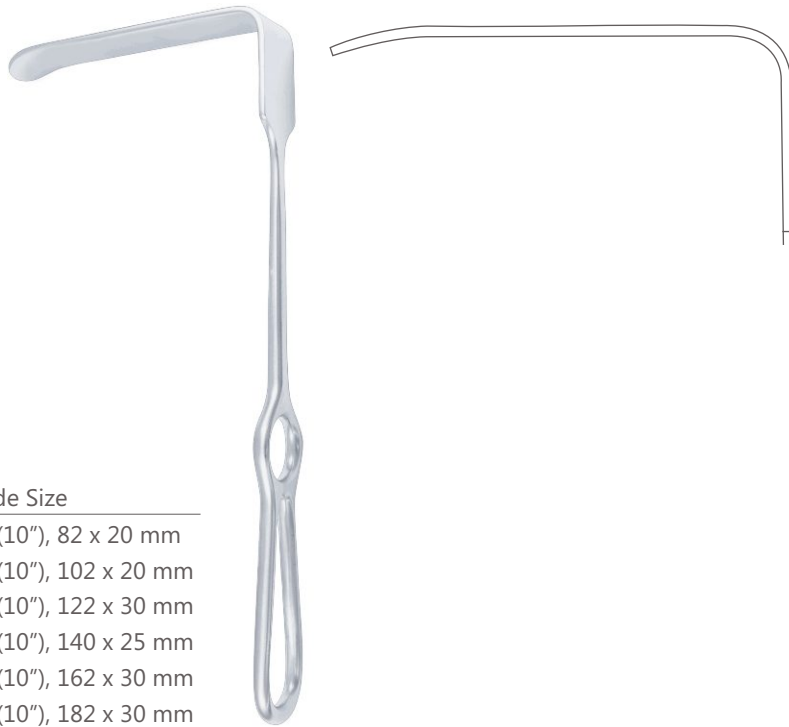
**Simon Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-373-01 | 28 cm (11"), 115 x 22 mm |
| PRO-11-373-02 | 28 cm (11"), 115 x 27 mm |



**Brunner Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-375-08 | 25.5 cm (10"), 84 x 20 mm  |
| PRO-11-375-10 | 25.5 cm (10"), 104 x 25 mm |
| PRO-11-375-12 | 25.5 cm (10"), 124 x 30 mm |
| PRO-11-375-13 | 25.5 cm (10"), 130 x 30 mm |
| PRO-11-375-14 | 25.5 cm (10"), 144 x 30 mm |
| PRO-11-375-16 | 25.5 cm (10"), 160 x 30 mm |
| PRO-11-375-18 | 25.5 cm (10"), 164 x 30 mm |



**Brunner Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-377-08 | 25.5 cm (10"), 82 x 20 mm  |
| PRO-11-377-10 | 25.5 cm (10"), 102 x 20 mm |
| PRO-11-377-12 | 25.5 cm (10"), 122 x 30 mm |
| PRO-11-377-14 | 25.5 cm (10"), 140 x 25 mm |
| PRO-11-377-16 | 25.5 cm (10"), 162 x 30 mm |
| PRO-11-377-18 | 25.5 cm (10"), 182 x 30 mm |



**Coryllos Retractor**

| Catalog #     | Size, Blade Size          |
|---------------|---------------------------|
| PRO-11-381-01 | 24 cm (9 ½"), 85 x 22 mm  |
| PRO-11-381-02 | 24 cm (9 ½"), 108 x 43 mm |
| PRO-11-381-03 | 24 cm (9 ½"), 119 x 65 mm |



**Davidson Scapula Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-385-01 | 19 cm (7 ½"), 80 x 54 mm   |
| PRO-11-385-02 | 18.5 cm (7 ¼"), 80 x 95 mm |



**Sauerbruch Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-387-25 | 25.5 cm (10"), 127 x 38 mm |



**Richardson-Eastman Retractor**

| Catalog #     | Size, Blade Size, Profile                    |
|---------------|--|
| PRO-11-400-00 | Set of Fig.1 & Fig. 2                        |
| PRO-11-400-01 | 26 cm (10 ¼"), 28 x 20 mm-36 x 28 mm, Fig. 1 |
| PRO-11-400-02 | 27 cm (10 ¾"), 49 x 38 mm-63 x 49 mm, Fig. 2 |



**Richardson Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-403-01 | 23.5 cm (9 ¼"), 25 x 21 mm |
| PRO-11-403-02 | 24 cm (9 ½"), 30 x 29 mm   |
| PRO-11-403-03 | 24 cm (9 ½"), 38 x 40 mm   |

**Richardson Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-405-24 | 24 cm (9 ½"), 48 x 22 mm |





**Kelly Retractor**

| Catalog #     | Size, Blade Size          |
|---------------|---------------------------|
| PRO-11-409-01 | 26 cm (10 ¼"), 50 x 40 mm |
| PRO-11-409-02 | 26 cm (10 ¼"), 62 x 50 mm |
| PRO-11-409-03 | 26 cm (10 ¼"), 70 x 65 mm |
| PRO-11-409-04 | 26 cm (10 ¼"), 90 x 76 mm |



**Tuffier Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-413-21 | 21.5 cm (8 ½"), 58 x 64 mm |





**Morris Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-415-01 | 24.5 cm (9 ¾"), 70 x 40 mm |
| PRO-11-415-02 | 24.5 cm (9 ¾"), 70 x 50 mm |
| PRO-11-415-03 | 24.5 cm (9 ¾"), 70 x 65 mm |



**Tudor-Edwards Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-417-20 | 20.5 cm (8"), 55 x 47 mm |



**Meyerding Retractor**

| Catalog #     | Size, Blade Size          |
|---------------|---------------------------|
| PRO-11-419-01 | 23 cm (9"), 52 x 16 mm    |
| PRO-11-419-02 | 23 cm (9"), 76 x 25 mm    |
| PRO-11-419-03 | 25.5 cm (10"), 89 x 50 mm |



**Doyen Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-423-01 | 24 cm (9 1/2"), 45 x 88 mm |
| PRO-11-423-02 | 25 cm (9 3/4"), 53 x 80 mm |
| PRO-11-423-03 | 25 cm (9 3/4"), 78 x 82 mm |



**Doyen Retractor**

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-431-01 | 28 cm (11"), 48 x 90 mm  |
| PRO-11-431-02 | 28 cm (11"), 48 x 105 mm |
| PRO-11-431-03 | 28 cm (11"), 48 x 120 mm |
| PRO-11-431-04 | 28 cm (11"), 48 x 135 mm |

**Chain With Weight**

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-431-10 | 79 cm (31") |



**Kocher Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-435-22 | 24 cm (9 1/2"), 73 x 25 mm |

**Kocher Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-437-01 | 25 cm (9 3/4"), 80 x 45 mm |
| PRO-11-437-02 | 25 cm (9 3/4"), 80 x 55 mm |
| PRO-11-437-03 | 25 cm (9 3/4"), 80 x 65 mm |





**Doyen-Stille Retractor**

| Catalog #     | Size, Blade Size           |
|---------------|----------------------------|
| PRO-11-441-01 | 26 cm (10 ¼"), 87 x 28 mm  |
| PRO-11-441-02 | 26 cm (10 ¼"), 97 x 31 mm  |
| PRO-11-441-03 | 26 cm (10 ¼"), 117 x 52 mm |



**Fritsch Retractor**

| Catalog #     | Size, Blade Size            |
|---------------|-----------------------------|
| PRO-11-445-01 | 23.5 cm (9 ¼"), 37 x 31 mm  |
| PRO-11-445-02 | 24 cm (9 ½"), 38 x 40 mm    |
| PRO-11-445-03 | 25 cm (9 ¾"), 43 x 51 mm    |
| PRO-11-445-04 | 25 cm (9 ¾"), 49 x 61 mm    |
| PRO-11-445-05 | 25.5 cm (10"), 48 x 75 mm   |
| PRO-11-445-06 | 26.5 cm (10 ½"), 65 x 85 mm |



**Hoesel Retractor**

| Catalog #     | Size, Blade Size             |
|---------------|------------------------------|
| PRO-11-449-01 | 26 cm (10 1/4"), 63 x 21 mm  |
| PRO-11-449-02 | 26 cm (10 1/4"), 83 x 30 mm  |
| PRO-11-449-03 | 26 cm (10 1/4"), 103 x 30 mm |
| PRO-11-449-04 | 26 cm (10 1/4"), 120 x 30 mm |
| PRO-11-449-05 | 26 cm (10 1/4"), 140 x 30 mm |
| PRO-11-449-06 | 26 cm (10 1/4"), 140 x 40 mm |



**Ross Aorta Retractor**  
Flexible Shaft

| Catalog #     | Size, Profile, Blade Size         |
|---------------|-----------------------------------|
| PRO-11-455-01 | 25.5 cm (10"), Fig. 1, 16x15 mm   |
| PRO-11-455-02 | 25.5 cm (10"), Fig. 2, 23 x 13 mm |
| PRO-11-455-03 | 25.5 cm (10"), Fig. 3, 24 x 16 mm |
| PRO-11-455-04 | 25.5 cm (10"), Fig. 4, 27 x 13 mm |
| PRO-11-455-05 | 25.5 cm (10"), Fig. 5, 27 x 27 mm |
| PRO-11-455-06 | 25.5 cm (10"), Fig. 6, 25 x 39 mm |



**Polloson Retractor**

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-459-27 | 29 cm (11 ½") |



**Polloson Retractor**

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-461-27 | 25.5 cm (10") |



**Harrington Retractor**

| Catalog #     | Size, Blade Size             |
|---------------|------------------------------|
| PRO-11-465-01 | 31.5 cm (12 ½"), 137 x 44 mm |
| PRO-11-465-02 | 33 cm (13"), 137 x 65 mm     |



**Deaver Retractor**  
Fig. 1

| Catalog #     | Size, Blade Width |
|---------------|-------------------|
| PRO-11-471-01 | 18 cm (7"), 19 mm |



**Deaver Retractor**  
Fig. 2

| Catalog #     | Size, Blade Width     |
|---------------|-----------------------|
| PRO-11-471-02 | 21.5 cm (8 ½"), 22 mm |



**Deaver Retractor**  
Fig. 3

| Catalog #     | Size, Blade Width   |
|---------------|---------------------|
| PRO-11-471-03 | 25 cm (9 ¾"), 25 mm |



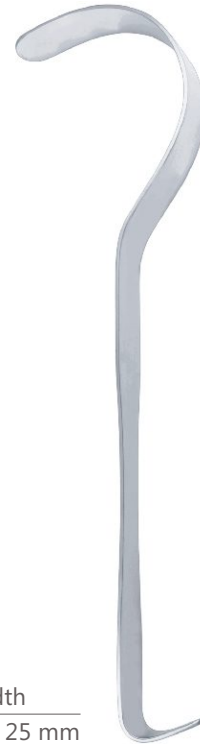
**Deaver Retractor**  
Fig. 4

| Catalog #     | Size, Blade Width    |
|---------------|----------------------|
| PRO-11-471-04 | 31 cm (12 ¼"), 25 mm |



**Deaver Retractor**  
Fig. 5

| Catalog #     | Size, Blade Width  |
|---------------|--------------------|
| PRO-11-471-05 | 33 cm (13"), 25 mm |



**Deaver Retractor**  
Fig. 6

| Catalog #     | Size, Blade Width    |
|---------------|----------------------|
| PRO-11-471-06 | 36 cm (14 ¼"), 25 mm |



**Deaver Retractor**  
Fig. 7

| Catalog #     | Size, Blade Width    |
|---------------|----------------------|
| PRO-11-471-07 | 30 cm (11 ¾"), 38 mm |



**Deaver Retractor**  
Fig. 8

| Catalog #     | Size, Blade Width    |
|---------------|----------------------|
| PRO-11-471-08 | 31 cm (12 ¼"), 50 mm |





**Deaver Retractor**  
Fig. 9

| Catalog #     | Size, Blade Width      |
|---------------|------------------------|
| PRO-11-471-09 | 31.5 cm (12 ½"), 75 mm |

**Deaver Retractor**  
With Hollow Handle, Fig. 4

| Catalog #     | Size, Blade Width     |
|---------------|-----------------------|
| PRO-11-475-04 | 31.5cm (12 ½"), 25 mm |



**Deaver Retractor**  
With Hollow Handle, Fig. 7

| Catalog #     | Size, Blade Width     |
|---------------|-----------------------|
| PRO-11-475-07 | 31.5cm (12 ½"), 38 mm |

**Deaver Retractor**  
With Hollow Handle, Fig. 8

| Catalog #     | Size, Blade Width      |
|---------------|------------------------|
| PRO-11-475-08 | 31.5 cm (12 ½"), 50 mm |



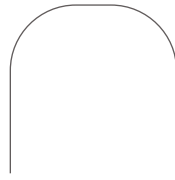
**Deaver Retractor**  
With Hollow Handle, Fig. 10

| Catalog #     | Size, Blade Width      |
|---------------|------------------------|
| PRO-11-475-10 | 31.5cm (12 ½"), 100 mm |



**Leriche Retractor**

| Catalog #     | Size, Blade Width     |
|---------------|-----------------------|
| PRO-11-479-01 | 25.5cm (10"), 45 mm   |
| PRO-11-479-02 | 27.5cm (10 ¾"), 60 mm |



**Kummel Retractor**

| Catalog #     | Size, Blade Size       |
|---------------|------------------------|
| PRO-11-479-03 | 28.5 cm (11 ¼"), 46 mm |



**Koerte Retractor**

| Catalog #     | Size, Blade Size     |
|---------------|----------------------|
| PRO-11-481-30 | 30 cm (11 ¾"), 46 mm |





**Cooley Retractor**  
Right

| Catalog #     | Size, Blade Size         |
|---------------|--------------------------|
| PRO-11-485-01 | 25 cm (9 ¾"), 48 x 48 mm |

**Cooley Retractor**  
Right, Serrated

| Catalog #     | Size, Blade Size, Profile |
|---------------|---------------------------|
| PRO-11-485-02 | 25 cm (9 ¾"), 48 x 48 mm  |



**Cooley Retractor**  
Left

| Catalog #     | Size, Blade Size          |
|---------------|---------------------------|
| PRO-11-485-03 | 27 cm (10 ¾"), 30 x 48 mm |



**Mikulicz Liver Retractor**

| Catalog #     | Size, Blade Size          |
|---------------|---------------------------|
| PRO-11-489-01 | 25 cm (9 ¾"), 90 x 35 mm  |
| PRO-11-489-02 | 25 cm (9 ¾"), 125 x 50 mm |
| PRO-11-489-03 | 25 cm (9 ¾"), 160 x 50 mm |

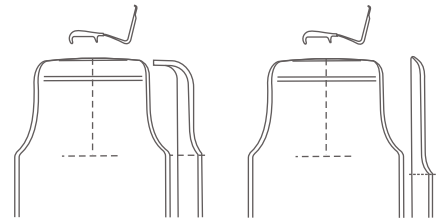


**Mikulicz Retractor**

| Catalog #     | Size, Blade Size          |
|---------------|---------------------------|
| PRO-11-491-26 | 26 cm (10 ¼"), 90 x 55 mm |

**Kelly Retractor**

| Catalog #     | Size, Blade Size             |
|---------------|------------------------------|
| PRO-11-495-01 | 27.5 cm (10 ¾"), 205 x 38 mm |
| PRO-11-495-02 | 27.5 cm (10 ¾"), 205 x 57 mm |



**St. Marks Pelvis Retractor**

| Catalog #     | Size, Blade Size                          |
|---------------|---|
| PRO-11-501-01 | 29 cm (11 1/2"), 142 x 60 mm - 35 x 45 mm |
| PRO-11-501-02 | 29 cm (11 1/2"), 193 x 60 mm - 60 x 45 mm |
| PRO-11-501-03 | 33 cm (13"), 195 x 60 mm - 60 x 45 mm     |



**Kummel Abdominal Spatula**

| Catalog #     | Size, Blade Width      |
|---------------|------------------------|
| PRO-11-511-28 | 31 cm (12 1/4"), 45 mm |

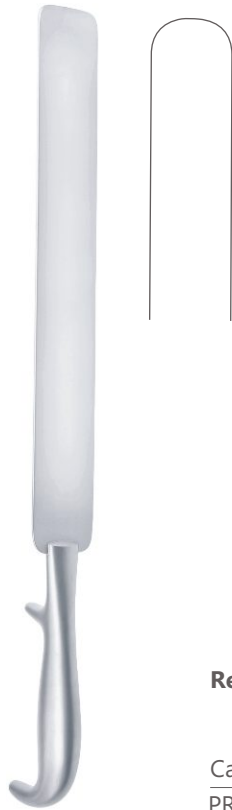
**Kader Abdominal Spatula**

| Catalog #     | Size, Blade Width  |
|---------------|--------------------|
| PRO-11-515-20 | 28 cm (11"), 20 mm |
| PRO-11-515-30 | 28 cm (11"), 30 mm |
| PRO-11-515-40 | 28 cm (11"), 40 mm |



**Abdominal Spatula**

| Catalog #     | Size, Blade Width  |
|---------------|--------------------|
| PRO-11-520-30 | 41 cm (16"), 30 mm |
| PRO-11-520-40 | 41 cm (16"), 40 mm |
| PRO-11-520-50 | 41 cm (16"), 50 mm |
| PRO-11-520-60 | 41 cm (16"), 60 mm |
| PRO-11-520-70 | 41 cm (16"), 70 mm |



**Reverdin Abdominal Spatula**

| Catalog #     | Size, Blade Size              |
|---------------|-------------------------------|
| PRO-11-523-28 | 28.5 cm (11 1/4"), 63 x 45 mm |



**Abdominal Spatula**

| Catalog #     | Size, Blade Width  |
|---------------|--------------------|
| PRO-11-530-20 | 33 cm (13"), 20 mm |
| PRO-11-530-25 | 33 cm (13"), 25 mm |
| PRO-11-530-30 | 33 cm (13"), 30 mm |
| PRO-11-530-40 | 33 cm (13"), 40 mm |
| PRO-11-530-50 | 33 cm (13"), 50 mm |



**Tuffier Abdominal Spatula**  
Tapered

| Catalog #     | Size, Blade Width      |
|---------------|------------------------|
| PRO-11-534-20 | 20 cm (8"), 16 x 25 mm |



**Heberer Abdominal Spatula**  
Tapered

| Catalog #     | Size, Blade Size            |
|---------------|-----------------------------|
| PRO-11-536-01 | 28 cm (11"), 25 x 30 mm     |
| PRO-11-536-02 | 30 cm (11 3/4"), 37 x 45 mm |
| PRO-11-536-03 | 30.5 cm (12"), 40 x 50 mm   |



**Martin Abdominal Spatula**  
Malleable, Very Soft

| Catalog #     | Size, Blade Width  |
|---------------|--------------------|
| PRO-11-540-06 | 20 cm (8"), 6.5 mm |
| PRO-11-540-09 | 20 cm (8"), 9.5 mm |
| PRO-11-540-13 | 20 cm (8"), 13 mm  |
| PRO-11-540-16 | 20 cm (8"), 16 mm  |
| PRO-11-540-19 | 20 cm (8"), 19 mm  |
| PRO-11-540-25 | 20 cm (8"), 25 mm  |



**Prostate Retractor**

| Catalog #     | Size            |
|---------------|-----------------|
| PRO-11-543-36 | 36 cm (14 1/4") |



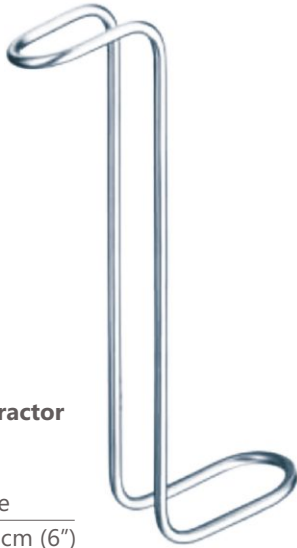
**Urethral Retractor**

| Catalog #     | Size            |
|---------------|-----------------|
| PRO-11-545-39 | 39 cm (15 1/2") |



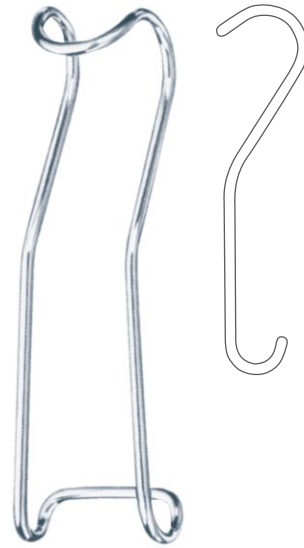
**Collin-Hartmann Retractor**

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-551-01 | 15 cm (6") |



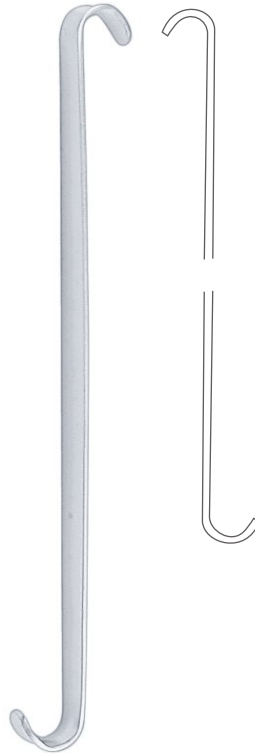
**Sternberg Retractor**

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-553-01 | 12 cm (4 ¾")   |
| PRO-11-553-02 | 13 cm (5")     |
| PRO-11-553-03 | 13.5 cm (5 ¼") |

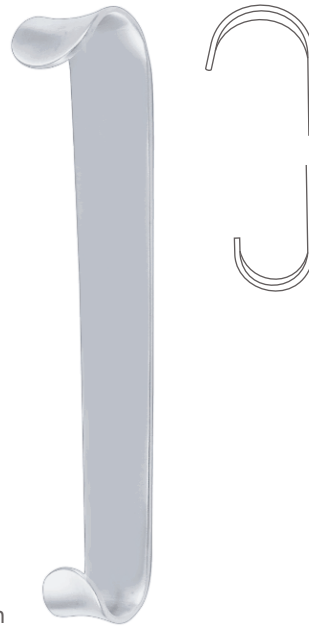


**Roux-Mini Retractor**

| Catalog #     | Size, Blade Width                   |
|---------------|-------------------------------------|
| PRO-11-557-14 | 14.5 cm (5 ¾"), 6 x 7 mm - 7 x 8 mm |

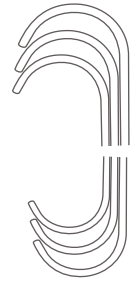
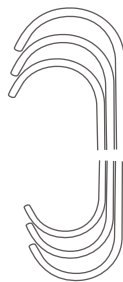






**Roux-Baby Retractor**

| Catalog #     | Size, Blade Width                     |
|---------------|---------------------------------------|
| PRO-11-559-12 | 12.5 cm (5"), 17 x 17 mm - 24 x 21 mm |



**Roux Retractor**

**Roux Retractor**  
Set of Fig. 1, Fig. 2 and Fig. 3

| Catalog #     | Size |
|---------------|------|
| PRO-11-561-00 | N/A  |

| Catalog #     | Size, Profile          |
|---------------|------------------------|
| PRO-11-561-01 | 14 cm (5 1/2"), Fig. 1 |
| PRO-11-561-02 | 15 cm (6"), Fig. 2     |
| PRO-11-561-03 | 17 cm (6 3/4"), Fig. 3 |



**Farabeuf Retractor**  
Set of Fig. 1 and Fig. 2

| Catalog #     | Size, Blade Size Fig. 1, Blade Size Fig. 2                     |
|---------------|--|
| PRO-11-565-00 | 12 cm (4 ¾"), 26 x 10 mm - 30 x 13 mm, 30 x 10 mm - 34 x 13 mm |



**Farabeuf Retractor**  
Set of Fig. 1 and Fig. 2

| Catalog #     | Size, Blade Size Fig. 1, Blade Size Fig. 2                   |
|---------------|--|
| PRO-11-567-00 | 15 cm (6"), 23 x 16 mm - 26 x 16 mm, 27 x 16 mm - 30 x 16 mm |

**Parker Retractor**  
Set of Fig. 1 and Fig. 2

| Catalog #     | Size, Blade Size Fig. 1, Blade Size Fig. 2                       |
|---------------|--|
| PRO-11-571-01 | 13.5 cm (5 ¼"), 19 x 15 mm - 19 x 15 mm, 22 x 15 mm - 22 x 15 mm |
| PRO-11-571-02 | 17.5 cm (7"), 26 x 25 mm - 27 x 25 mm, 29 x 25 mm - 27 x 25 mm   |



**Parker-Mott Retractor**  
Set of Fig. 1 and Fig. 2

| Catalog #     | Size, Blade Size Fig. 1, Blade Size Fig. 2                     |
|---------------|--|
| PRO-11-573-16 | 16 cm (6 ¼"), 21 x 24 mm - 68 x 24 mm, 25 x 24 mm - 72 x 24 mm |



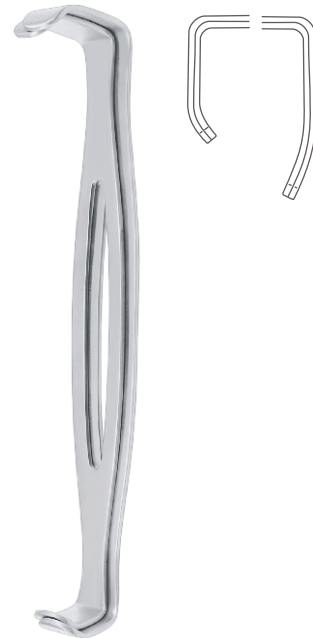
**Mathieu Retractor**  
Set of Fig. 1 and Fig. 2

| Catalog #     | Size, Blade Size Fig. 1, Blade Size Fig. 2                    |
|---------------|---|
| PRO-11-577-20 | 20 cm (8"), 42 x 13 mm - 42 x 26 mm / 47 x 13 mm - 46 x 26 mm |



**Parker-Langenbeck (US Army) Retractor**  
Set of Fig. 1 and Fig. 2

| Catalog #     | Size, Blade Size Fig. 1, Blade Size Fig. 2                        |
|---------------|---|
| PRO-11-579-21 | 21.5 cm (8 ½"), 21 x 15 mm - 40 x 15 mm / 25 x 15 mm - 45 x 15 mm |





**Hajek Retractor**

| Catalog #     | Size, Blade Size                        |
|---------------|---|
| PRO-11-581-16 | 16.5 cm (6 ½"), 30 x 18 mm - 25 x 10 mm |



**Lane Retractor**

| Catalog #     | Size, Blade Width                   |
|---------------|-------------------------------------|
| PRO-11-583-01 | 23 cm (9"), 30 x 13 mm - 35 x 19 mm |
| PRO-11-583-02 | 23 cm (9"), 30 x 25 mm - 35 x 32 mm |



**Czerny Retractor**

| Catalog #     | Size, Blade Width                     |
|---------------|---------------------------------------|
| PRO-11-591-17 | 17.5 cm (7"), 38 x 22 mm - 38 x 22 mm |



**Goelet Retractor**

| Catalog #     | Size, Blade Width                     |
|---------------|---------------------------------------|
| PRO-11-593-19 | 19 cm (7 ½"), 40 x 40 mm - 30 x 30 mm |



**Cranny-Ryall Retractor**

| Catalog #     | Size, Blade Width   |
|---------------|---------------------|
| PRO-11-595-01 | 19 cm (7 ½"), 16 mm |
| PRO-11-595-02 | 19 cm (7 ½"), 20 mm |
| PRO-11-595-03 | 20 cm (8"), 25 mm   |

**Finsen Wound Spreader**  
2 x 3 Sharp Prongs

| Catalog #     | Size      |
|---------------|-----------|
| PRO-11-650-05 | 5 cm (2") |



**Finsen Wound Spreader**  
2 x 3 Blunt Prongs

| Catalog #     | Size      |
|---------------|-----------|
| PRO-11-651-05 | 5 cm (2") |



**Finsen Wound Spreader**  
3 x 4 Sharp Prongs

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-652-07 | 7 cm (2 ¾") |





**Finsen Wound Spreader**  
3 x 4 Blunt Prongs

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-653-07 | 7 cm (2 ¾") |



**Finsen-Martin Wound Spreader**  
3 x 4 Sharp Prongs, With Adjustment Screw

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-654-07 | 7 cm (2 ¾") |



**Finsen-Martin Wound Spreader**  
3 x 4 Blunt Prongs, With Adjustment Screw

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-655-07 | 7 cm (2 ¾") |



**Logan Wound Spreader**  
3 x 3 Sharp - With Adjustment Screw

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-658-04 | 4 cm (1 ½") |



**Bose Fat Spreader for Coronary Surgery**

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-661-30 | 3 cm (1 ¼") |



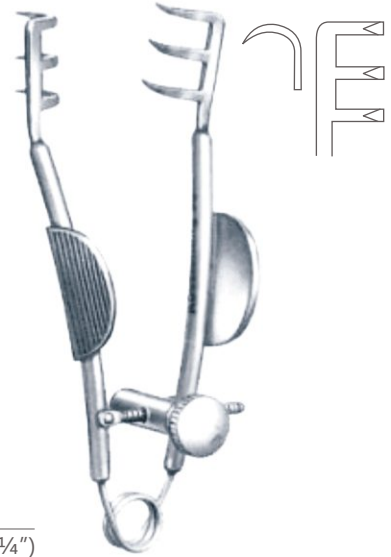
**Fat Spreader for Coronary Surgery**

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-663-40 | 4 cm (1 ½")   |
| PRO-11-663-50 | 5.5 cm (2 ¼") |



**Buckley Wound Spreader**  
3 x 3 Sharp Prongs

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-666-06 | 6 cm (2 ¼") |



**Alm Wound Spreader**  
4 x 4 Sharp Prongs

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-668-07 | 7 cm (2 ¾") |
| PRO-11-668-10 | 10 cm (4")  |



**Alm Wound Spreader**  
4 x 4 Blunt Prongs

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-669-07 | 7 cm (2 ¾") |
| PRO-11-669-10 | 10 cm (4")  |



**Allport Wound Spreader**  
4 x 4 Sharp Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-672-10 | 9.5 cm (3 ¾") |





**Wound Spreader**  
4 x 4 Sharp Prongs

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-674-10 | 10 cm (4") |



**Wound Spreader**  
4 x 4 Blunt Prongs

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-675-10 | 10 cm (4") |



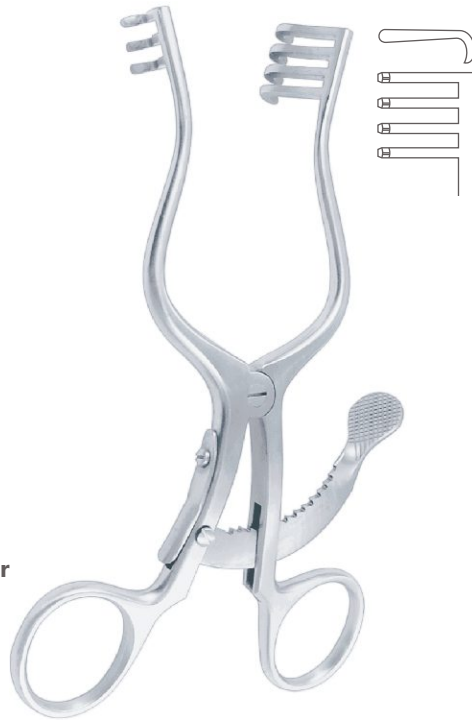
**Jansen Self Retaining Retractor**  
3 x 3 Blunt Prongs, With Adjustment Screw

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-677-10 | 10 cm (4") |



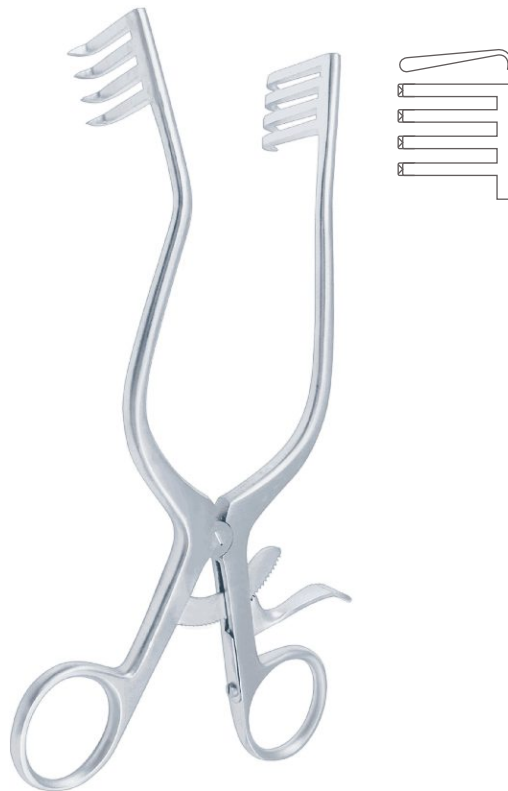
**Scalp-Contour Self Retaining Retractor**  
3 x 4 Sharp Prongs

| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-680-13 | 13.5 cm (5 1/4") |



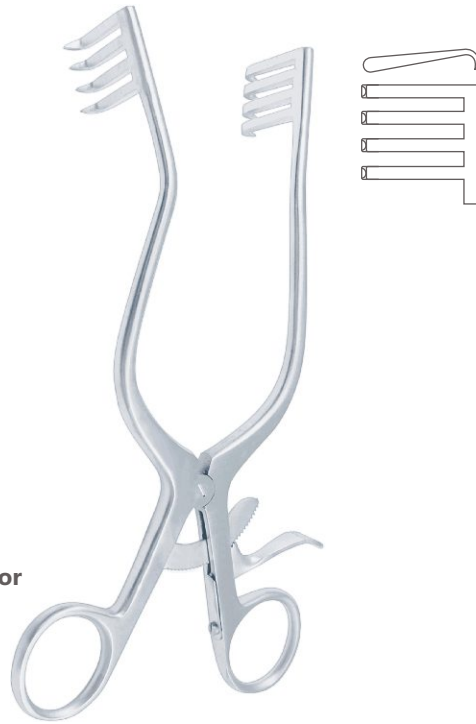
**Scalp-Contour Self Retaining Retractor**  
3 x 4 Blunt Prongs

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-681-13 | 13.5 cm (5 ¼") |



**Anderson-Adson Self Retaining Retractor**  
4 x 4 Sharp Prongs

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-686-20 | 20 cm (8") |



**Anderson-Adson Self Retaining Retractor**  
4 x 4 Blunt Prongs

| Catalog #     | Size      |
|---------------|-----------|
| PRO-11-687-20 | 20 cm(8") |



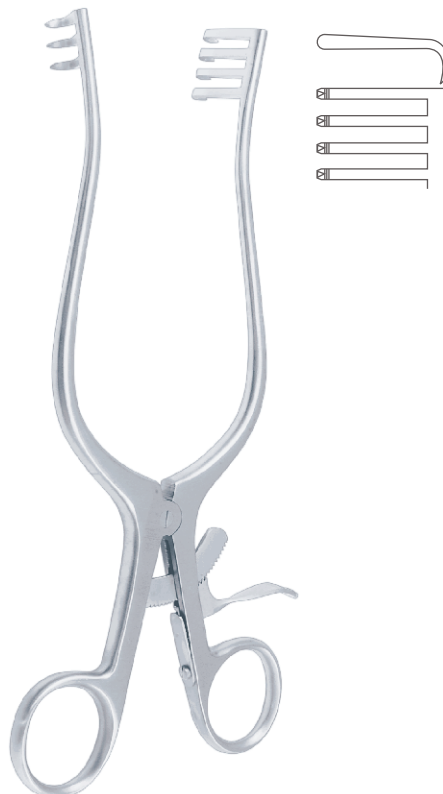
**Traverse Self Retaining Retractor**  
4 x 5 Blunt Prongs

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-689-21 | 21.5 cm (8 ½") |



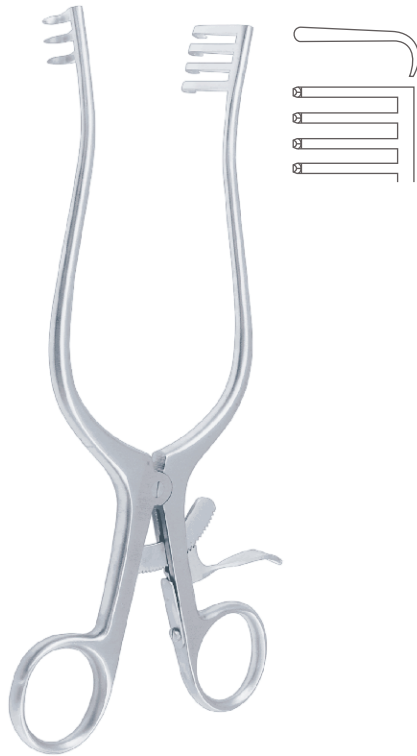
**Norfolk-Norwich Self Retaining Retractor**  
4 x 5 Blunt Prongs

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-691-22 | 22 cm (8 ¾") |



**Weitlaner Self Retaining Retractor**  
3 x 4 Sharp Prongs

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-696-20 | 20 cm (8") |



**Weitlaner Self Retaining Retractor**  
3 x 4 Blunt Prongs

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-697-20 | 20 cm (8") |



**Adson Self Retaining Retractor**  
3 x 4 Sharp Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-700-26 | 26 cm (10 ¼") |



**Adson Self Retaining Retractor**  
3 x 4 Blunt Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-701-26 | 26 cm (10 ¼") |



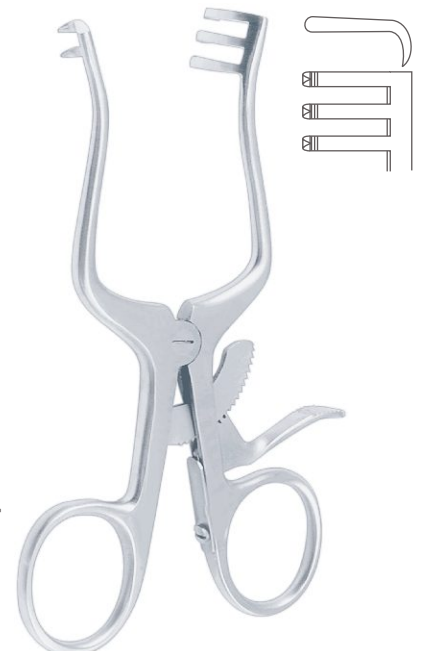
**Adson Self Retaining Retractor**  
6 x 6 Sharp Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-702-26 | 29 cm (11 ½") |



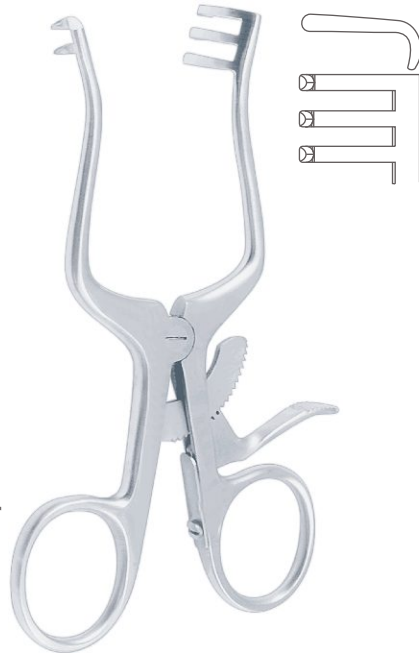
**Adson Self Retaining Retractor**  
6 x 6 Blunt Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-703-26 | 29 cm (11 ½") |



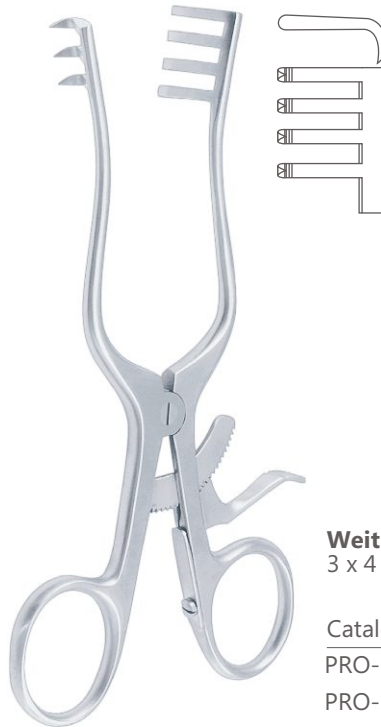
**Weitlaner Self Retaining Retractor**  
2 x 3 Sharp Prongs

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-710-11 | 11 cm (4 ¼") |



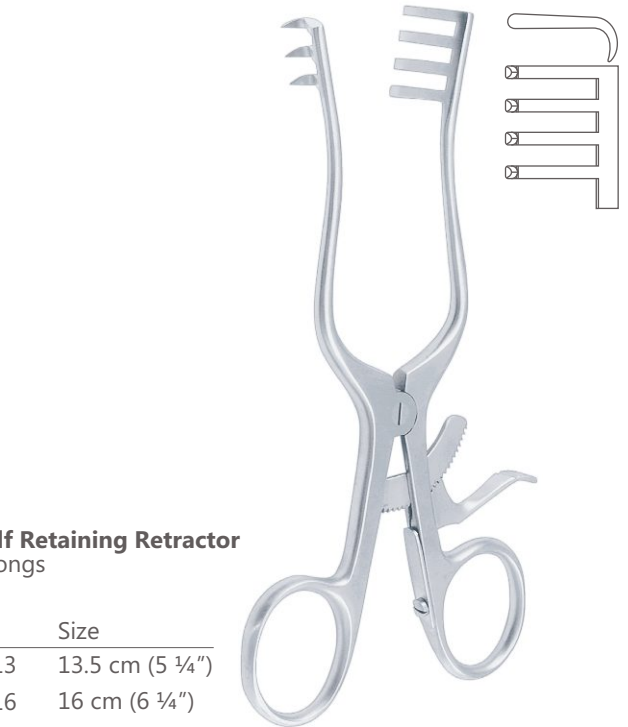
**Weitlaner Self Retaining Retractor**  
2 x 3 Blunt Prongs

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-711-11 | 11 cm (4 1/4") |



**Weitlaner Self Retaining Retractor**  
3 x 4 Sharp Prongs

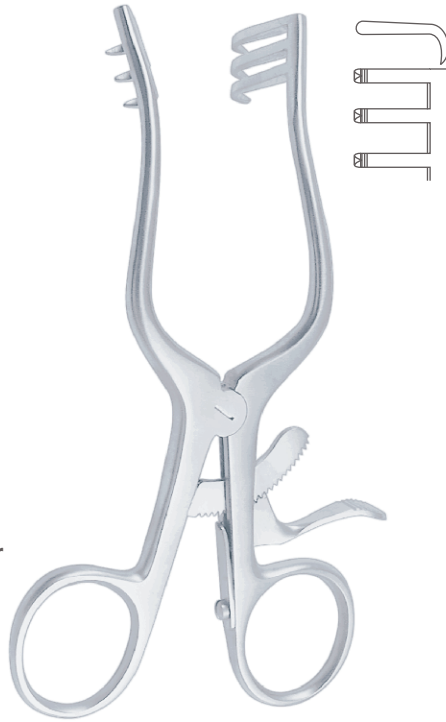
| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-712-13 | 13.5 cm (5 1/4") |
| PRO-11-712-16 | 16 cm (6 1/4")   |



**Weitlaner Self Retaining Retractor**  
3 x 4 Blunt Prongs

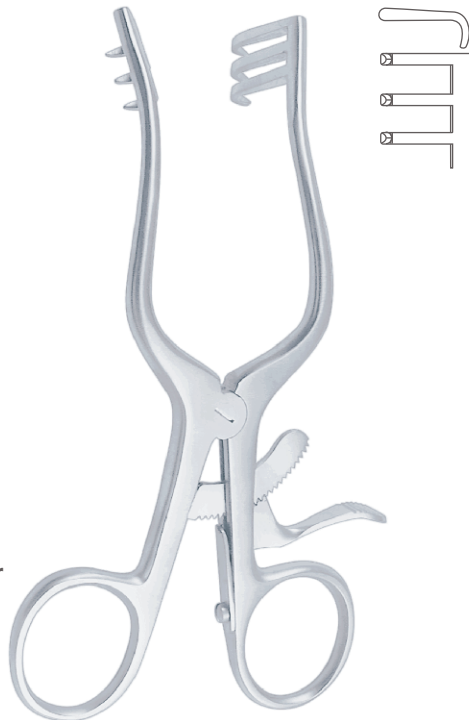
| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-713-13 | 13.5 cm (5 1/4") |
| PRO-11-713-16 | 16 cm (6 1/4")   |





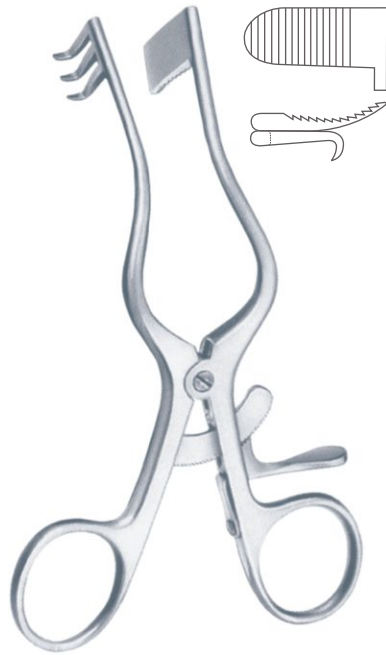
**Weitlaner-Wullstein Self Retaining Retractor**  
3 x 3 Sharp Prongs

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-716-13 | 13 cm (5") |



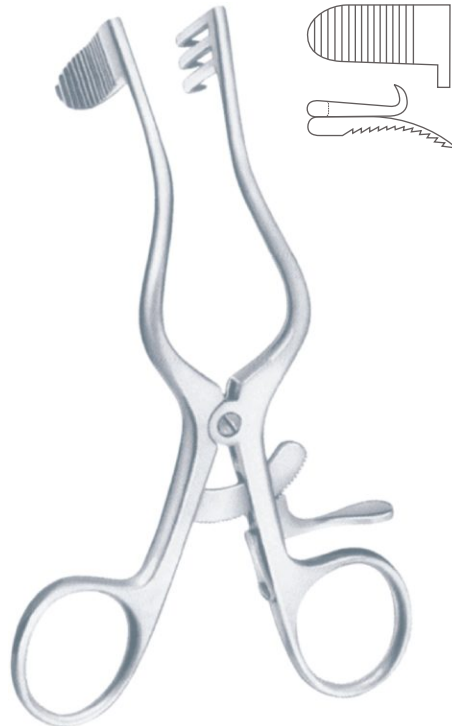
**Weitlaner-Wullstein Self Retaining Retractor**  
3 x 3 Blunt Prongs

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-717-13 | 13 cm (5") |



**Perkins Self Retaining Retractor**

| Catalog #     | Size, Profile     |
|---------------|-------------------|
| PRO-11-721-01 | 13 cm (5"), Right |



**Perkins Self Retaining Retractor**

| Catalog #     | Size, Profile    |
|---------------|------------------|
| PRO-11-721-02 | 13 cm (5"), Left |



**Jefferson Self Retaining Retractor**  
2 x 3 Blunt Prongs

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-725-14 | 14 cm (5 ½") |



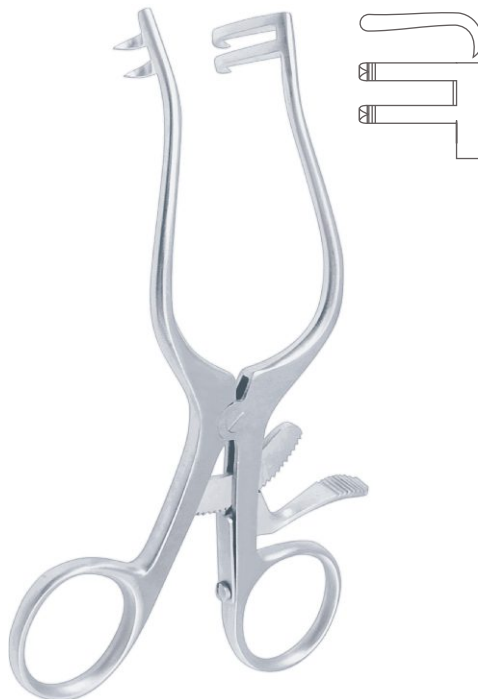
**Mollison Self Retaining Retractor**  
2 x 2 Sharp Prongs

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-728-14 | 14 cm (5 ½") |



**Mollison Self Retaining Retractor**  
4 x 4 Sharp Prongs

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-730-15 | 15.5 cm (6") |



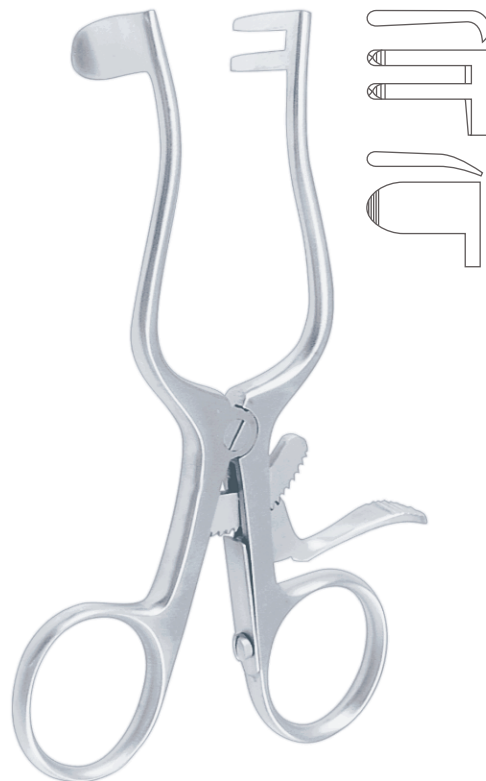
**Plester Self Retaining Retractor**  
2 x 2 Sharp Prongs

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-732-13 | 13 cm (5") |



**Plester Self Retaining Retractor**  
2 x 2 Blunt Prongs

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-733-13 | 13 cm (5") |



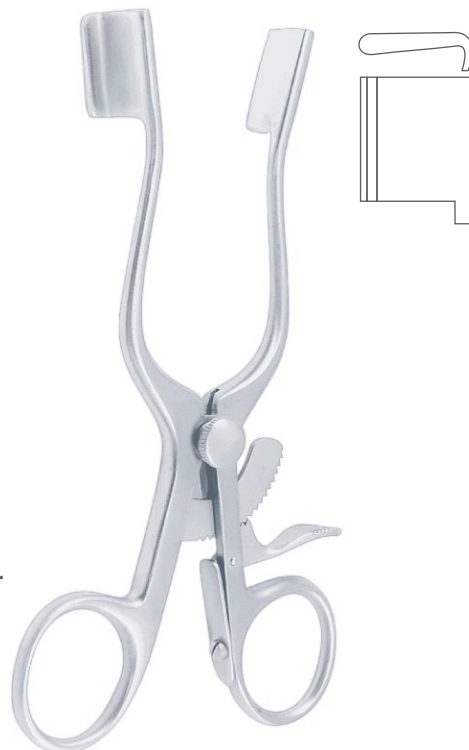
**Plester Self Retaining Retractor**

| Catalog #     | Size, Profile       |
|---------------|---------------------|
| PRO-11-735-01 | 10.5 cm (4"), Left  |
| PRO-11-735-02 | 10.5 cm (4"), Right |



**Milligan Self Retaining Retractor**  
3 x 3 Blunt Prongs

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-737-13 | 13.5 cm (5 ¼") |



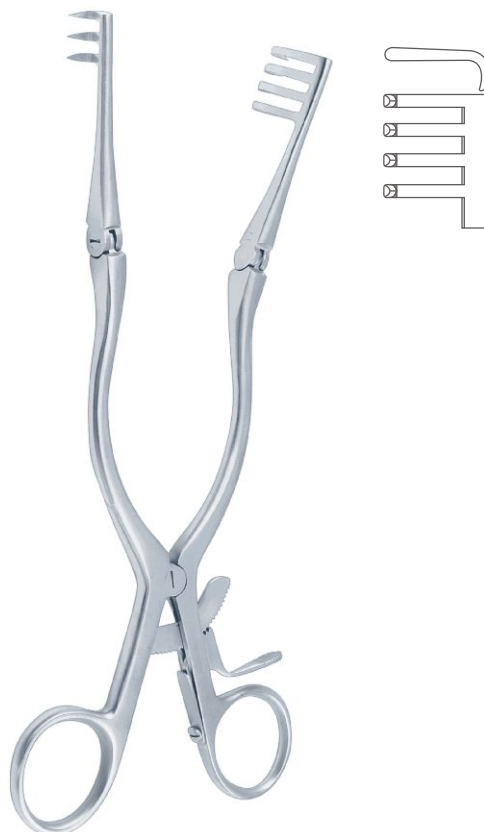
**Weitlaner-Baby Self Retaining Retractor**  
Blunt

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-739-13 | 13.5 cm (5 ¼") |



**Adson Self Retaining Retractor**  
3 x 4 Sharp Prongs

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-742-13 | 14 cm (5 ½")   |
| PRO-11-742-16 | 16.5 cm (6 ½") |
| PRO-11-742-21 | 21 cm (8 ¼")   |
| PRO-11-742-24 | 24.5 cm (9 ¾") |



**Adson Self Retaining Retractor**  
3 x 4 Blunt Prongs

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-743-13 | 14 cm (5 ½")   |
| PRO-11-743-16 | 16.5 cm (6 ½") |
| PRO-11-743-21 | 21 cm (8 ¼")   |
| PRO-11-743-24 | 24.5 cm (9 ¾") |



**Beckmann Self Retaining Retractor**  
4 x 4 Sharp Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-750-32 | 32 cm (12 ½") |



**Adson Self Retaining Retractor**  
4 x 5 Blunt Prongs

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-753-33 | 33 cm (13") |



**Harvey-Jackson Self Retaining Retractor**  
3 x 3 Sharp Prongs

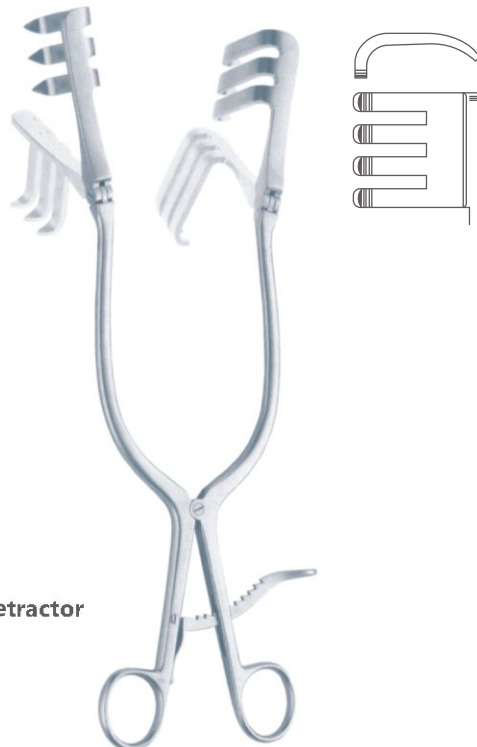
| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-758-28 | 28 cm (11") |





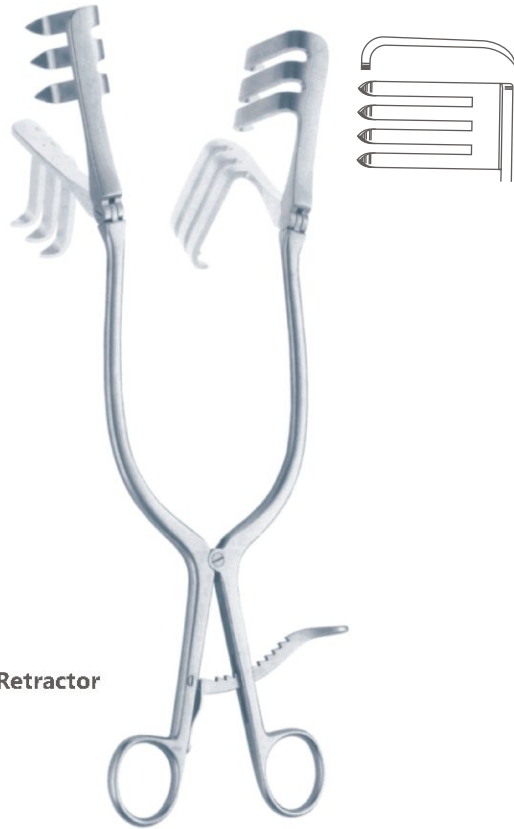
**Beckmann-Adson Self Retaining Retractor**  
4 x 4 Short Sharp Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-760-30 | 30.5 cm (12") |



**Beckmann-Adson Self Retaining Retractor**  
4 x 4 Short Blunt Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-761-30 | 30.5 cm (12") |



**Beckmann-Adson Self Retaining Retractor**  
4 x 4 Long Sharp Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-762-30 | 30.5 cm (12") |



**Beckmann-Adson Self Retaining Retractor**  
4 x 4 Long Blunt Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-763-30 | 30.5 cm (12") |

**Gelpi Self Retaining Retractor**

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-805-13 | 13 cm (5")     |
| PRO-11-805-15 | 15 cm (6")     |
| PRO-11-805-18 | 18.5 cm (7 ¼") |



**Gelpi Self Retaining Retractor**

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-807-10 | 10 cm (4")     |
| PRO-11-807-14 | 14.5 cm (5 ¾") |
| PRO-11-807-18 | 18 cm (7")     |



**Gelpi Self Retaining Retractor**

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-811-18 | 18.5 cm (7 ¼") |





**Jackson-Burrows Self Retaining Retractor**

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-813-18 | 18.5 cm (7 ¼") |



**Collin-Baby Retractor Complete**

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-820-00 | 20 cm (8") |



**Collin Retractor Complete**  
With Pair of Lateral Blades

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-822-00 | Standard |



**Beckmann-Eaton Self Retaining Retractor**  
7 x 7 Sharp Prongs

| Catalog #     | Size          |
|---------------|---------------|
| PRO-11-766-32 | 32 cm (12 ½") |



**Martin Self Retaining Retractor**  
6 x 6 Sharp Long Prongs

| Catalog #     | Size, Profile                        |
|---------------|--------------------------------------|
| PRO-11-770-01 | 28.5 cm (11 ¼"), Teeth on Left Side  |
| PRO-11-770-02 | 28.5 cm (11 ¼"), Teeth on Right Side |



**Joll (Friedman) Self Retaining Retractor**  
Thyroid and Vaginal Retractor

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-801-15 | 15.5 cm (6") |



**Collin Retractor Only**  
Without Blade

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-822-01 | 24 cm (9 ½") |



**Collin Retractor Complete**  
With Central Blades and 1 Pair of Lateral E

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-823-00 | Standard |

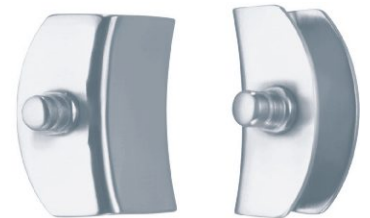


**Collin Retractor Only**  
Without Blades

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-823-01 | 22.5 cm (8 ¾") |

**Collin Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-823-90 | 38 x 55 mm |

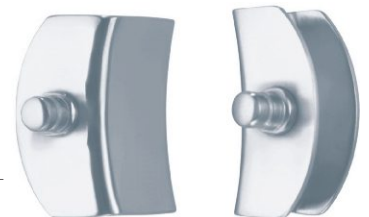


**Collin Retractor Complete**  
With Central Blade and 1 Pair of Lateral Blades

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-824-00 | 22.5 cm (8 ¾") |

**Collin Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-824-90 | 50 x 75 mm |







**Collin Retractor Complete**  
With Central Blade and 1 Pair of Lateral Blades

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-826-00 | Standard |



**Collin Retractor Only**  
Without Blades

| Catalog #     | Size            |
|---------------|-----------------|
| PRO-11-826-01 | 31 cm (12 1/4") |

**Collin Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-826-90 | 60 x 75 mm |





**Ricard Retractor Complete**  
With Central Blade

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-830-00 | Standard |



**Ricard Retractor Only**

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-830-01 | Standard |



**Collin Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-830-02 | 55 x 70 mm |



**Ricard Retractor Complete**  
With Central Blade

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-832-00 | Standard |



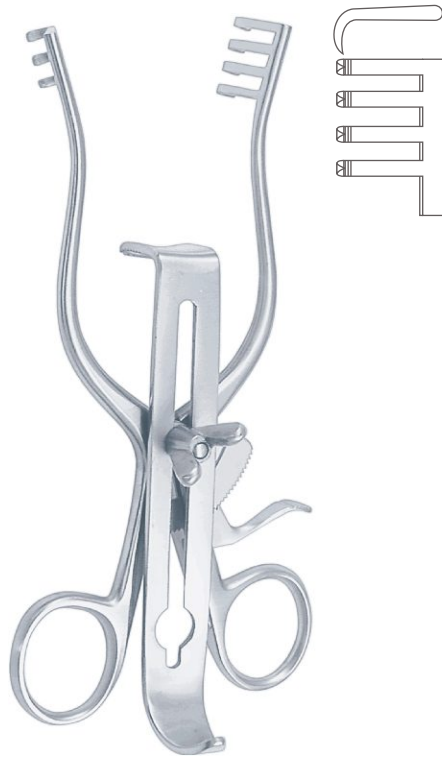
**Ricard Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-832-02 | 80 x 90 mm |

**Ricard Central Blade**

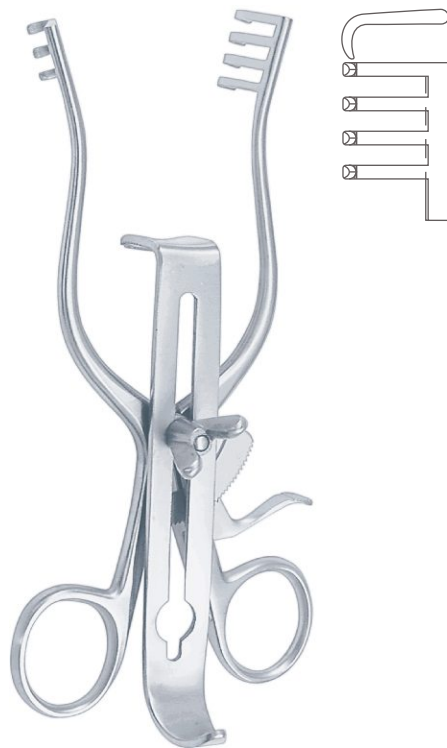
| Catalog #     | Blade Size  |
|---------------|-------------|
| PRO-11-835-18 | 18 x 40 mm  |
| PRO-11-835-27 | 27 x 40 mm  |
| PRO-11-835-38 | 38 x 60 mm  |
| PRO-11-835-40 | 40 x 80 mm  |
| PRO-11-835-45 | 45 x 80 mm  |
| PRO-11-835-50 | 50 x 70 mm  |
| PRO-11-835-52 | 52 x 110 mm |
| PRO-11-835-60 | 60 x 80 mm  |
| PRO-11-835-70 | 70 x 55 mm  |
| PRO-11-835-80 | 75 x 90 mm  |
| PRO-11-835-90 | 50 x 58 mm  |
| PRO-11-835-92 | 60 x 80 mm  |
| PRO-11-835-94 | 72 x 85 mm  |





**Henley Retractor Complete**  
3 x 4 Sharp Prongs, With 3 Central Blades

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-840-01 | 16 cm (6 ¼") |

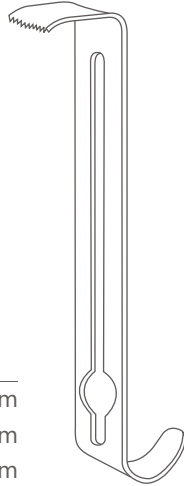


**Henley Retractor Complete**  
3 x 4 Blunt Prongs, With 3 Central Blades

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-840-02 | 16 cm (6 ¼") |

**Henley Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-840-19 | 19 x 17 mm |
| PRO-11-840-25 | 25 x 17 mm |
| PRO-11-840-32 | 32 x 17 mm |



**Millin Retractor Complete**  
With Central Blade, 1 Pair Each of Lateral Blades

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-850-00 | Standard |



**Millin Retractor Only**

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-850-01 | Standard |



**Millin Central Blade Only**

| Catalog #     | Blade Size  |
|---------------|-------------|
| PRO-11-850-90 | 105 x 45 mm |



**Millin Lateral Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-851-57 | 57 x 25 mm |
| PRO-11-851-82 | 82 x 25 mm |



**Lagueu Retractor**

| Catalog #     | Size, Blade Size          |
|---------------|---------------------------|
| PRO-11-853-26 | 26 cm (10 ¼"), 90 x 35 mm |



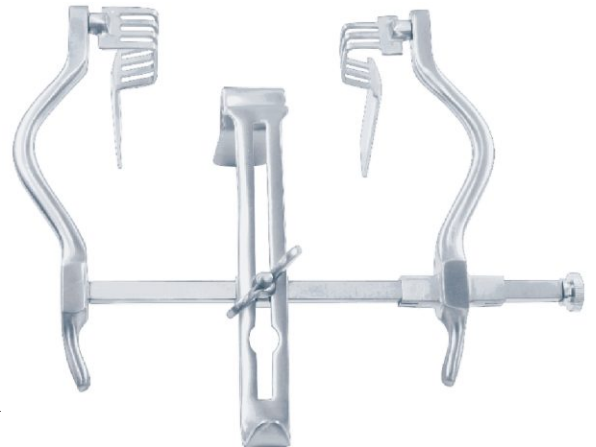
**Millin Retractor**

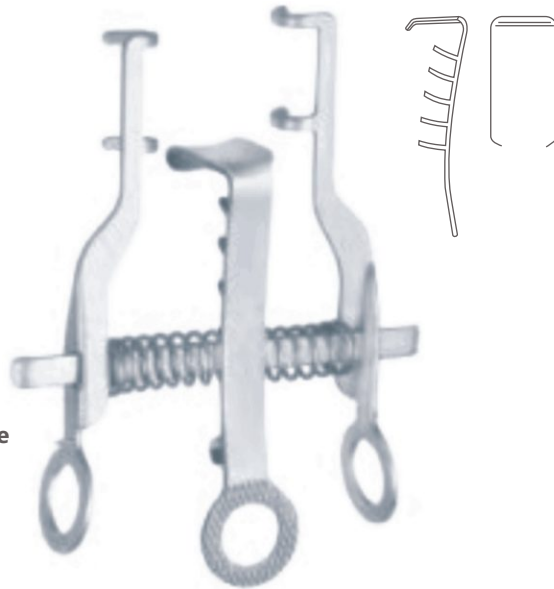
| Catalog #     | Size, Spread       |
|---------------|--------------------|
| PRO-11-855-28 | 28 cm (11"), 70 mm |



**Judd-Masson Retractor**

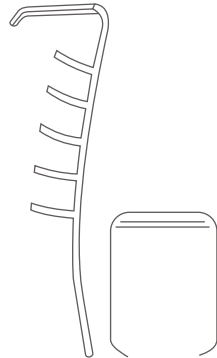
| Catalog #     | Spread |
|---------------|--------|
| PRO-11-858-00 | 120 mm |





**Vickers Low-Profile Retractor Complete**  
2 x 2 Blunt Prongs, With Central Blade

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-861-00 | 7.5 cm (3") |



**Vickers Low-Profile Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-861-01 | 10 x 18 mm |
| PRO-11-861-02 | 12 x 10 mm |

**Vickers Low-Profile Retractor Complete**  
3 x 3 Blunt Prongs, With Central Blade

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-863-00 | 9 cm (3 ½") |



**Vickers Low-Profile Retractor Complete**  
With Central Blade

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-865-00 | 7.5 cm (3") |



**Vickers Self Retaining Retractor**  
Blunt Ring Model For Thumb And Fingers

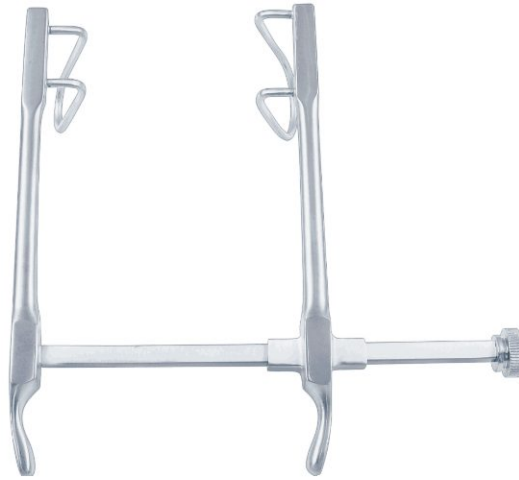
| Catalog #     | Size      |
|---------------|-----------|
| PRO-11-869-00 | 5 cm (2") |





**Gosset-Baby Retractor**

| Catalog #     | Size, Spread, Lateral Blades Size |
|---------------|-----------------------------------|
| PRO-11-880-00 | 12.5 cm(5"), 120 mm, 40 x 30 mm   |



**Gosset Retractor Complete**  
With Central Blade

| Catalog #     | Size, Spread, Lateral Blades Size   |
|---------------|-------------------------------------|
| PRO-11-884-00 | 16.5 cm(6 1/2"), 160 mm, 63 x 35 mm |



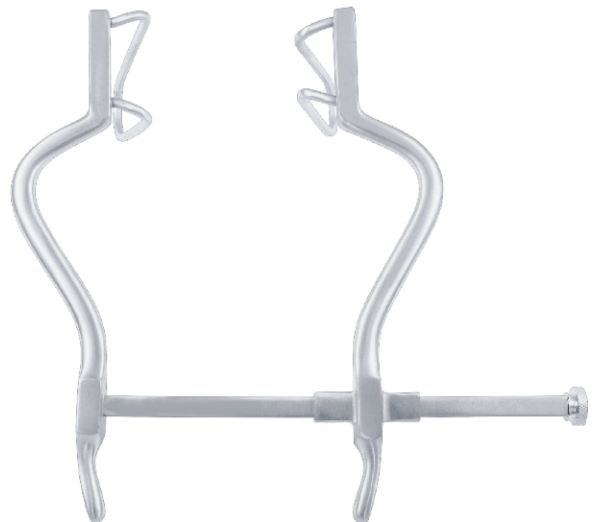
**Gosset Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-884-90 | 60 x 56 mm |



**Gosset Retractor**

| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-886-00 | 18.5 cm (7 1/4") |





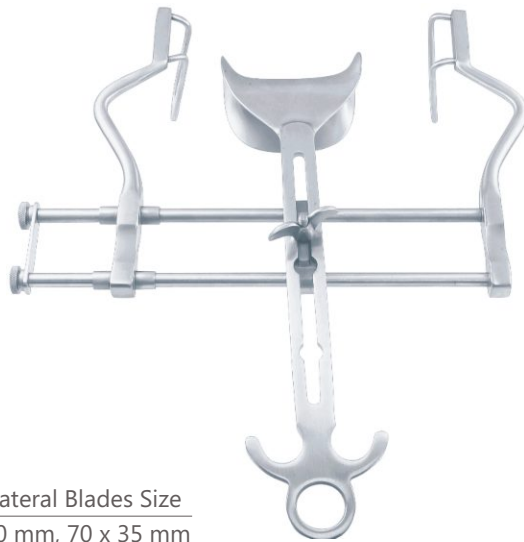
**Balfour-Baby Retractor Complete**  
With Central Blade

| Catalog #     | Size, Spread        |
|---------------|---------------------|
| PRO-11-890-00 | 12.5 cm (5"), 95 mm |



**Balfour-Baby Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-890-90 | 24 x 20 mm |



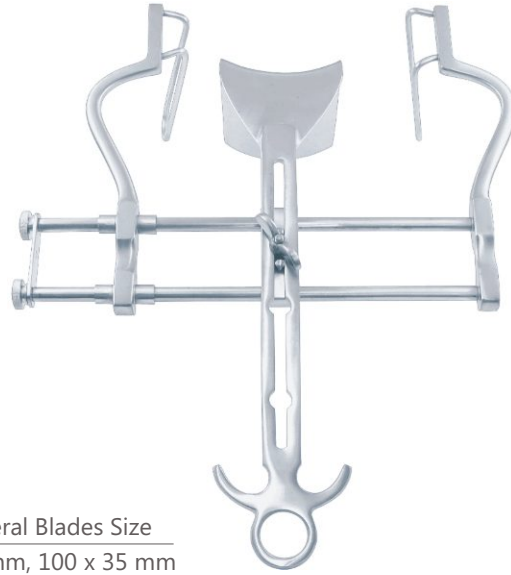
**Balfour Retractor Complete**  
With Central Blade

| Catalog #     | Size, Spread, Lateral Blades Size |
|---------------|-----------------------------------|
| PRO-11-892-00 | 20 cm (8"), 180 mm, 70 x 35 mm    |



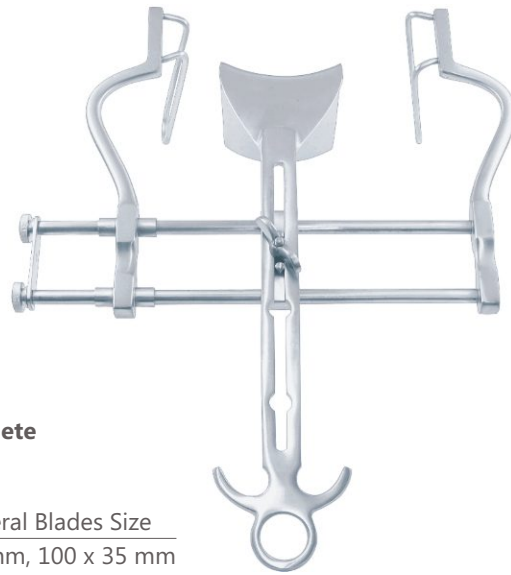
**Balfour Retractor Complete**  
With Central Blade

| Catalog #     | Size, Spread, Lateral Blades Size |
|---------------|-----------------------------------|
| PRO-11-894-00 | 20 cm (8"), 180 mm, 70 x 35 mm    |



**Balfour Retractor Complete**  
With Central Blade

| Catalog #     | Size, Spread, Lateral Blades Size |
|---------------|-----------------------------------|
| PRO-11-896-00 | 20 cm (8"), 200 mm, 100 x 35 mm   |



**Balfour-Standard Retractor Complete**  
With Central Blade

| Catalog #     | Size, Spread, Lateral Blades Size |
|---------------|-----------------------------------|
| PRO-11-898-00 | 20 cm (8"), 250 mm, 100 x 35 mm   |



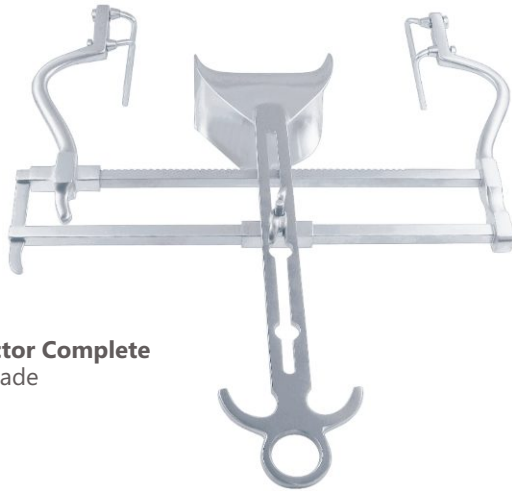
**Balfour Central Blade Retractor**

| Catalog #     | Blades Size |
|---------------|-------------|
| PRO-11-901-90 | 100 x 70 mm |
| PRO-11-901-91 | 100 x 60 mm |

**Balfour Central Blade**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-903-01 | 40 x 80 mm |
| PRO-11-903-02 | 68 x 85 mm |
| PRO-11-903-03 | 40 x 68 mm |





**Balfour-Modell USA Retractor Complete**  
With 1 Pair Each of Lateral Blade

| Catalog #     | Spread |
|---------------|--------|
| PRO-11-906-00 | 190 mm |



**Balfour-Modell USA Lateral Blade**

| Catalog #     | Blade Depth |
|---------------|-------------|
| PRO-11-906-06 | 60 mm Deep  |
| PRO-11-906-08 | 80 mm Deep  |



**Goligher Retractor Complete**  
With Central Blades

| Catalog #     | Spread |
|---------------|--------|
| PRO-11-910-00 | 185 mm |

**Goligher Lateral Blade**

| Catalog #     | Blade Depth |
|---------------|-------------|
| PRO-11-910-05 | 51 mm Deep  |
| PRO-11-910-10 | 102 mm Deep |





**Goligher Central Blade**

| Catalog #     | Blade Depth |
|---------------|-------------|
| PRO-11-910-90 | 51 mm Deep  |
| PRO-11-910-91 | 102 mm Deep |



**Charnley Retractor Complete**

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-914-00 | Standard |



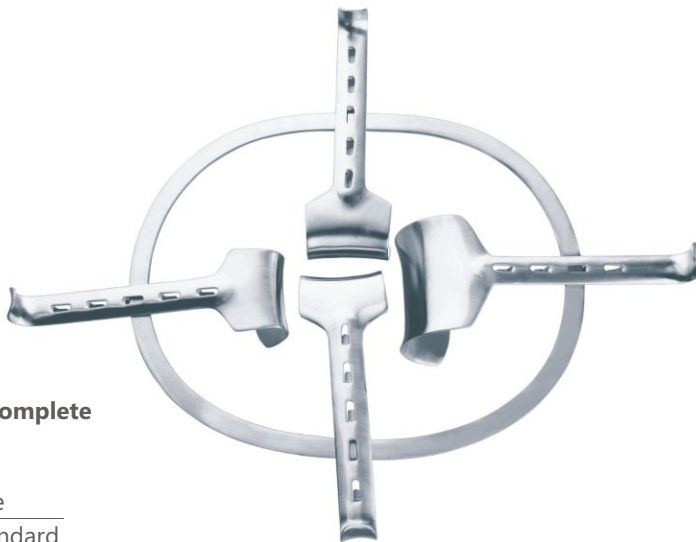
**O'Sullivan-O'Connor Retractor Complete**  
With 2 Fixed Blades

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-920-00 | Standard |



**O'Sullivan-O'Connor Blade**

| Catalog #     | Size        |
|---------------|-------------|
| PRO-11-920-90 | 80 x 45 mm  |
| PRO-11-920-91 | 110 x 70 mm |



**Kirschner Retractor Complete**

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-922-00 | Standard |



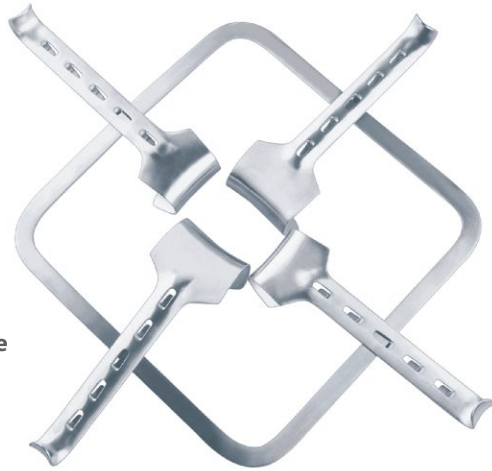
**Kirschner Frame Only**

| Catalog #     | Frame Size   |
|---------------|--------------|
| PRO-11-922-30 | 340 x 240 mm |

**Kirschner Blade**

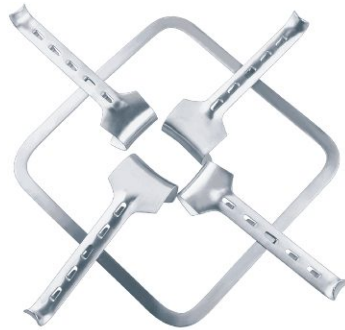
| Catalog #     | Blade Size  |
|---------------|-------------|
| PRO-11-923-40 | 40 x 55 mm  |
| PRO-11-923-50 | 50 x 65 mm  |
| PRO-11-923-60 | 60 x 85 mm  |
| PRO-11-923-78 | 78 x 65 mm  |
| PRO-11-923-80 | 80 x 90 mm  |
| PRO-11-923-98 | 98 x 50 mm  |
| PRO-11-923-99 | 105 x 35 mm |





**Kirschner Retractor Complete**

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-924-00 | Standard |



**Kirschner Frame only**

| Catalog #     | Frame Size   |
|---------------|--------------|
| PRO-11-924-24 | 240 x 240 mm |



**Dennis-Browne Retractor Complete**

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-930-00 | Standard |



**Dennis-Browne Retractor Frame Only**

| Catalog #     | Frame Size      |
|---------------|-----------------|
| PRO-11-930-15 | 175 mm x 150 mm |





**Dennis-Browne Retractor Blade Only**

| Catalog #     | Blade Size    |
|---------------|---------------|
| PRO-11-930-30 | 40 mm x 30 mm |
| PRO-11-930-40 | 40 mm x 40 mm |



**Cloward Retractor Complete**  
With 2 Each Lateral Blades

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-940-00 | Standard |

**Cloward Retractor Only**

| Catalog #     | Size         |
|---------------|--------------|
| PRO-11-940-01 | 25 cm (9 ¾") |



**Cloward Lateral Blade**  
Toothed

| Catalog #     | Blade Depth |
|---------------|-------------|
| PRO-11-941-40 | 40 mm       |
| PRO-11-941-45 | 45 mm       |
| PRO-11-941-50 | 50 mm       |
| PRO-11-941-55 | 55 mm       |
| PRO-11-941-60 | 60 mm       |



**Cloward Retractor Complete**  
Complete with 2 Lateral Blades

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-944-00 | Standard |



**Cloward Retractor Frame Only**

| Catalog #     | Size       |
|---------------|------------|
| PRO-11-944-01 | 15 cm (6") |



**Cloward Lateral Blade**

| Catalog #     | Blade Depth |
|---------------|-------------|
| PRO-11-945-40 | 40 mm       |
| PRO-11-945-45 | 45 mm       |
| PRO-11-945-50 | 50 mm       |
| PRO-11-945-55 | 55 mm       |
| PRO-11-945-60 | 60 mm       |



**Scoville Retractor Complete**  
With Lateral Blades

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-950-00 | Standard |



**Scoville Frame Only**

| Catalog #     | Speed  |
|---------------|--------|
| PRO-11-950-01 | 150 mm |



**Scoville-Haverfield Retractor Complete**  
With Lateral Blades

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-952-00 | Standard |



**Scoville-Haverfield Retractor Frame Only**  
Hinged



| Catalog #     | Spread |
|---------------|--------|
| PRO-11-952-01 | 150 mm |

**Scoville Lateral Blade**  
Blunt



| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-953-01 | 50 mm      |
| PRO-11-953-02 | 70 mm      |

**Scoville Lateral Blade**  
Sharp



| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-953-06 | 50 mm      |
| PRO-11-953-07 | 70 mm      |

**Scoville Lateral Blade**  
Toothed



| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-953-11 | 60 x 25 mm |
| PRO-11-953-12 | 64 x 50 mm |
| PRO-11-953-13 | 88 x 25 mm |

**Taylor Lateral Blade**  
Sharp



| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-953-41 | 48 x 50 mm |
| PRO-11-953-42 | 60 x 50 mm |
| PRO-11-953-43 | 64 x 64 mm |
| PRO-11-953-44 | 80 x 57 mm |

**Scoville Lateral Blade**  
Sharp



| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-953-46 | 41 x 38 mm |
| PRO-11-953-47 | 80 x 57 mm |

**Scoville-Richter Retractor Complete**  
With Lateral Blades Pair

| Catalog #     | Size     |
|---------------|----------|
| PRO-11-956-00 | Standard |



**Scoville-Richter Frame Only**

| Catalog #     | Spread |
|---------------|--------|
| PRO-11-956-01 | 155 mm |



**Lateral Blade Pair**

| Catalog #     | Blade Sizes            |
|---------------|------------------------|
| PRO-11-957-01 | 62 x 52 mm, 62 x 37 mm |



**Lateral Blade**

| Catalog #     | Blade Sizes |
|---------------|-------------|
| PRO-11-957-02 | 47 x 51 mm  |
| PRO-11-957-03 | 30 x 40 mm  |
| PRO-11-957-04 | 37 x 62 mm  |



**Caspar Retractor Complete**



| Catalog #     | Size     |
|---------------|----------|
| PRO-11-960-00 | Standard |

**Caspar Retractor Only With Key**



| Catalog #     | Size     |
|---------------|----------|
| PRO-11-960-01 | Standard |

**Key for Caspar Retractor**



| Catalog #     | Size     |
|---------------|----------|
| PRO-11-960-02 | Standard |

**Caspar Hook**

| Catalog #     | Depth |
|---------------|-------|
| PRO-11-961-01 | 38 mm |
| PRO-11-961-02 | 58 mm |



**Caspar Lateral Blade  
Blade With 2 Prongs**

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-961-03 | 32 x 22 mm |
| PRO-11-961-04 | 37 x 22 mm |
| PRO-11-961-05 | 42 x 22 mm |
| PRO-11-961-06 | 47 x 22 mm |
| PRO-11-961-07 | 52 x 22 mm |
| PRO-11-961-08 | 57 x 22 mm |
| PRO-11-961-09 | 62 x 22 mm |
| PRO-11-961-10 | 67 x 22 mm |



**Caspar Lateral Blade**  
Blade With 3 Prongs

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-961-11 | 32 x 37 mm |
| PRO-11-961-12 | 37 x 37 mm |
| PRO-11-961-13 | 42 x 37 mm |
| PRO-11-961-14 | 47 x 37 mm |
| PRO-11-961-15 | 52 x 37 mm |
| PRO-11-961-16 | 57 x 37 mm |
| PRO-11-961-17 | 62 x 37 mm |
| PRO-11-961-18 | 67 x 37 mm |



**Caspar Lateral Blade**  
Blade With 4 Prongs

| Catalog #     | Blade Size |
|---------------|------------|
| PRO-11-961-19 | 38 x 37 mm |
| PRO-11-961-20 | 37 x 37 mm |
| PRO-11-961-21 | 42 x 37 mm |
| PRO-11-961-22 | 47 x 37 mm |
| PRO-11-961-23 | 52 x 37 mm |
| PRO-11-961-24 | 57 x 37 mm |
| PRO-11-961-25 | 62 x 37 mm |
| PRO-11-961-26 | 67 x 37 mm |



**Cloward Lamina Spreader**

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-973-16 | 16 cm (6 1/4") |

**Cloward Lamina Spreader**

| Catalog #     | Size             |
|---------------|------------------|
| PRO-11-975-13 | 13.5 cm (5 1/4") |



**Inge Lamina Spreader**

| Catalog #     | Size           |
|---------------|----------------|
| PRO-11-977-17 | 16 cm (6 1/4") |
| PRO-11-979-27 | 25.5 cm (10")  |

