

Shadow-Line® spine retractor system

V. Mueller® neuro/spine instruments



V. Mueller®





Shadow-Line® spine retraction system

Versatility by design

CareFusion brings a new angle to spinal surgery with its versatile line of high-quality spinal system instrumentation. The Shadow-Line spine retractor system revolutionizes spine retraction and expands spinal anatomy access to new levels. The Shadow-Line system provides significant operative versatility by combining unilateral and bilateral retraction in a single system.

- Patented side-loading blade attachment design facilitates blade engagement for effective muscle and tissue retraction
- Radiolucent aluminum retractor blades allow intraoperative X-ray and fluoroscopic visualization
- Wide selection of blunt and tooth retractor blades, color-coded according to length, provide a streamlined item selection
- Blade length and width configurations easily adapt to a wide range of patient anatomies
- Blade attachment design allows for full interchangeability with the Versa-Trac retractor system components, expanding retraction possibilities
- Low-profile, double-hinged retractor frame design conforms easily to patient anatomies

Table of contents

Retractor frames

Shadow-Line spine retraction system.....	1
Side-loading positive-lock mechanism.....	1
Retractors.....	2

Retractor blades

Shadow-Line color-coding system.....	3
Retractor blades.....	4

Retractor system components

Shadow-Line spine retractor system components.....	5
Macro and micro procedures.....	6

Ordering information

Ordering information.....	7-8
---------------------------	-----

Shadow-Line® spine retraction system

Visualization

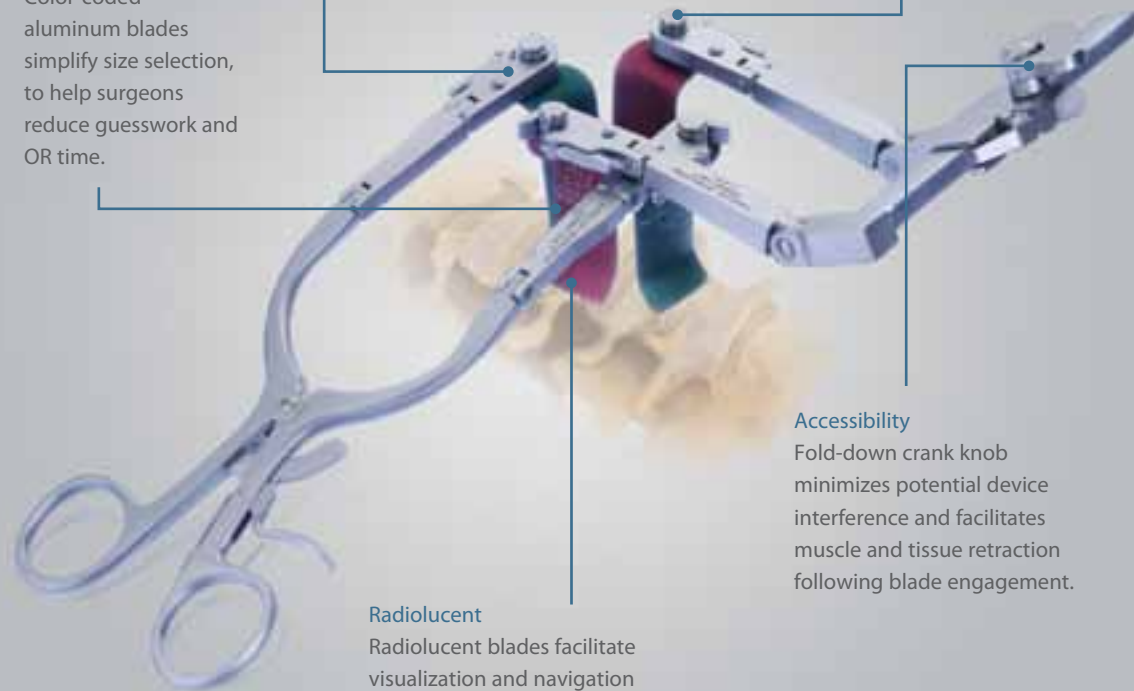
Hinged longitudinal and transverse retractor frames conform easily to patient anatomies and optimize visualization of the operative site.

Retraction

Positive-lock, quick-release side-loading mechanism is designed to ensure smooth blade engagement and removal from retractor frame.

Time efficiency

Color-coded aluminum blades simplify size selection, to help surgeons reduce guesswork and OR time.



Radiolucent

Radiolucent blades facilitate visualization and navigation of the spinal anatomy during intraoperative imaging.

Accessibility

Fold-down crank knob minimizes potential device interference and facilitates muscle and tissue retraction following blade engagement.

Patented, side-loading positive-lock mechanism

Positive-lock, quick-release mechanism

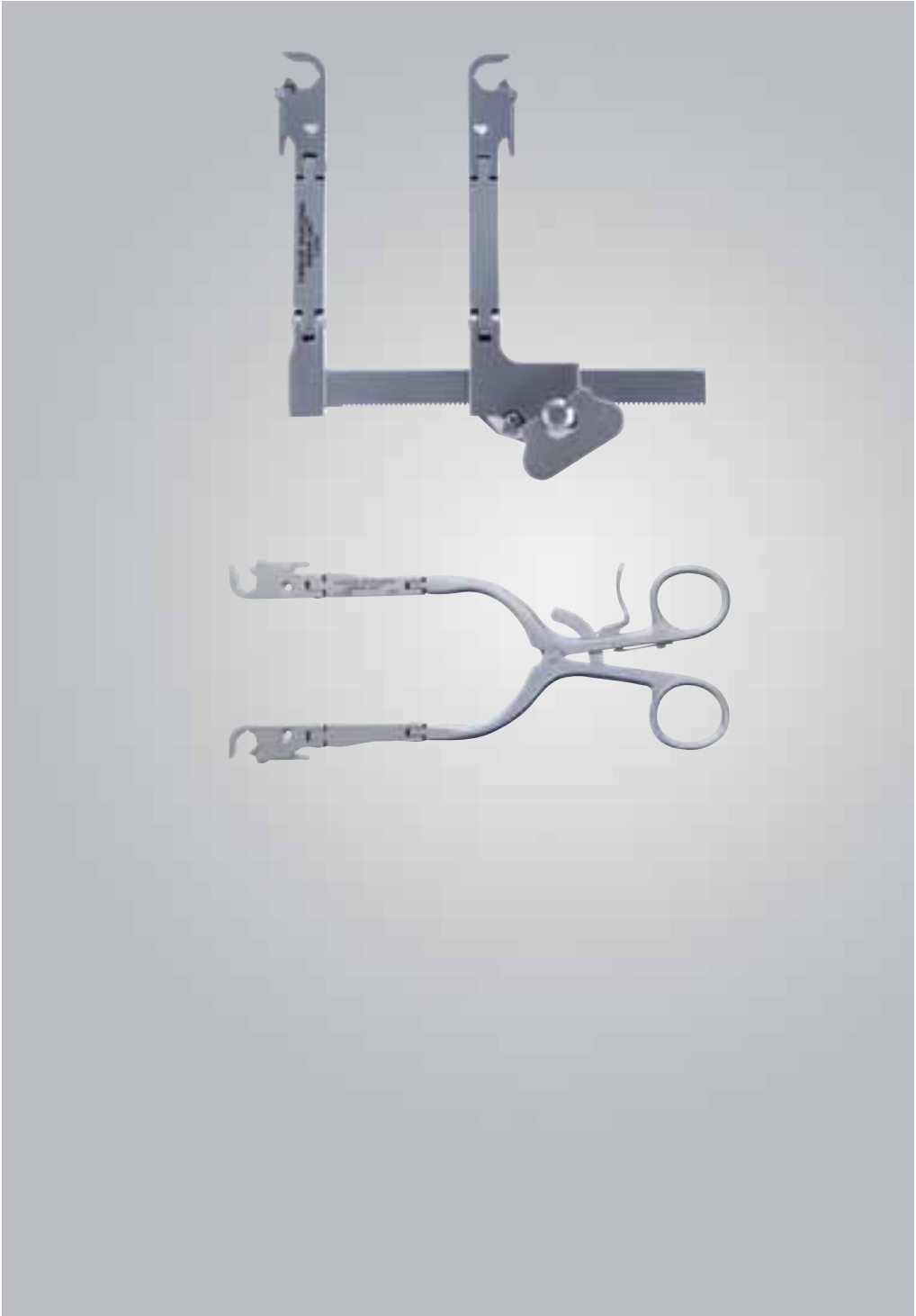
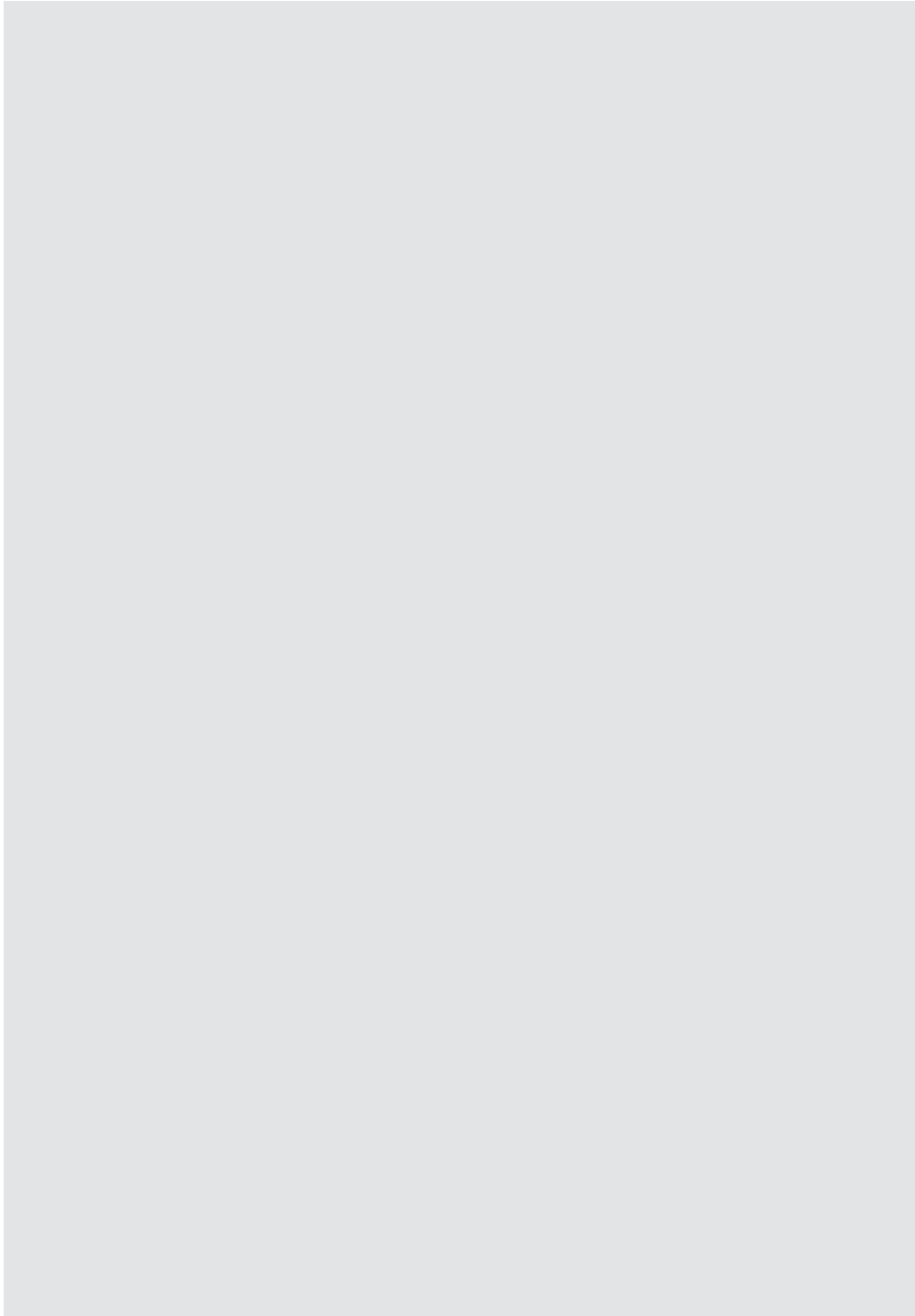
The patented, positive-lock blade mechanism ensures a secure blade connection to the retractor frame and prevents inadvertent blade detachment due to muscle and tissue pressure.



Side-loading locking retractor handle

Side-loading retractor handle allows customized, handheld muscle and tissue retraction by allowing blade engagement of varying sizes and configurations. Side-loading blade connection mechanism avoids retractor body removal from wound to engage retractor blades, improving overall OR time efficiency.





Shadow-Line® color-coding system



The acclaimed Shadow-Line color-coding system with color-coded depth gauge (cat. no. S-0156) also simplifies blade selection to optimize OR time efficiency.

Choose from a wide selection of retractor blades

The Shadow-Line retractor system offers a unique blend of blade designs and configurations to meet the needs of a broad range of patient anatomies.

The Shadow-Line system combines radiolucent properties for intraoperative imaging and diagnosis, diverse blade designs for delicate and effective tissue and muscle retraction, as well as a distal angulated design to maximize retraction of tissue and lateral mass muscle. Shadow-Line retractor blades offer the spine surgeon significant versatility in an array of surgical applications.

Five blade configurations provide extensive operative-site accessibility in a wide range of spine procedures.

Retractor blades

Blades provide microsurgical exposure in single-level spine procedures. Standard and narrow-width blade design expands retraction possibilities to other common spine surgical applications, such as unilateral and bilateral procedures as well as microdiscectomy cases.

Micro tooth retractor blades

14 mm width blades are available in 35, 40, 45, 50, 55 and 60 mm lengths.

Short tooth retractor blades

23 mm width blades are available in 30, 35, 40, 45, 50, 55, 60 and 65 mm lengths.

Micro blunt retractor blades

14 mm width blades are available in 35, 40, 45, 50, 55 and 60 mm lengths.

Blunt retractor blades

23 mm width blades are available in 30, 35, 40, 45, 50, 55, 60, 65, 70 and 75 mm lengths.

Long tooth retractor blades

23 mm width blades are available in 30, 35, 40, 45, 50, 55, 60 and 65 mm lengths.



Micro tooth retractor blades



Micro tooth retractor blades



Micro blunt retractor blades



Blunt retractor blades



Long tooth retractor blades

The Shadow-Line patented blade-connection design expands retraction potential by allowing broad system component compatibility. By combining Shadow-Line retractor frames with other offered and optional components, multiple retraction procedures can be performed.



Versatility

Combine the Shadow-Line transverse retractor frame (cat. no. T-0101), 14 mm micro tooth blade (cat. nos. S-0146 to S-0151) and Versa-Trac multitooth hook (cat. nos. S-0397 to S-0403) to perform procedures.

Gelpi-type self-retaining retractor

Using two Versa-Trac sharp hooks (cat. nos. S-0405 to S-0414) with the Shadow-Line longitudinal retractor body (cat. no. T-0100) generates a multitude of retraction alternatives with a customized Gelpi-type self-retaining retractor system.

Markham-Meyerding-type self-retaining retractor

Shadow-Line system compatibility allows the spine surgeon extensive retraction possibilities to help maximize cost efficiency. By combining the Shadow-Line longitudinal retractor body (cat. no. T-0100), a Versa-Trac sharp hook (cat. nos. S-0405 to S-0414) and the Shadow-Line lateral blade (cat. nos. S-0120 to S-0128), the spine surgeon can build a complete Markham-Meyerding-type self-retaining retractor system with just a few components.



Flexibility
Full bilateral retraction with two Shadow-Line micro blades.



Williams-type self-retaining retractor blades
Additionally, using a Shadow-Line micro tooth blade (cat. nos. S-0146 to S-0151) or a micro blade (cat. nos. S-1068 to S-1077) with a Versa-Trac sharp hook, a Williams-type self-retaining retractor blade can be assembled.



Gelpi-type self-retaining retractor



Markham-Meyerding-type self-retaining retractor

Ordering information

The Shadow-Line spine retractor system is available in a Genesis sterilization container as set Z-0102RG or in a case as set Z-0102RC. Please see the set components listed to the right. Two basic retraction sets are also available: Z-0102 contains the side-loading, positive-lock retractor design, and Z-0101 contains the top-loading retractor body. As a special order, all sets can incorporate a pinned blade design to eliminate blade rotation during muscle and tissue retraction.



Shadow-Line retraction set (Z-0102RG) in a Genesis container

Shadow-Line retraction set (Z-0102RC) in a sterilization case

Cat. no.	Description	Qty.
S-0100	Shadow-Line ring-handled retractor, top load	1
S-0101	Shadow-Line transverse retractor, top load, 120 mm	1
S-0102	Versa-Trac SCOVILLE lumbar retractor, double hinge, 200 mm	1
S-0103	Shadow-Line transverse retractor, top load, 150 mm	1
S-0108	Shadow-Line transverse retractor, top load, 200 mm	1
T-0103	Shadow-Line transverse retractor, side load, 150 mm	1
T-0108	Shadow-Line transverse retractor, side load, 200 mm	1

Cat. no.	Description	Qty.	Retraction set in a Genesis container Z-0102RG	Retraction set in a sterilization case Z-0102RC
Z-0102RGP	Retraction platforms for Genesis container	1 pr	•	
Z-0102RDP	DIN retraction platforms	1 pr		•
CD3-5B	U.S.-sized Genesis container	1	•	
Z-CASE	DIN-sized sterilization case	1		•
T-0101	Shadow-Line transverse retractor, side load, 120 mm	1	•	•
T-0100	Shadow-Line ring-handled retractor, side load	1	•	•
T-1295	Locking retractor handle, side load	2	•	•
S-0156	Shadow-Line depth gauge	1	•	•
S-0110	Shadow-Line blunt blade, 23 x 30 mm, silver	2	•	•
S-0111	Shadow-Line blunt blade, 23 x 35 mm, blue	2	•	•
S-0112	Shadow-Line blunt blade, 23 x 40 mm, red	2	•	•
S-0113	Shadow-Line blunt blade, 23 x 45 mm, green	2	•	•
S-0114	Shadow-Line blunt blade, 23 x 50 mm, violet	2	•	•
S-0115	Shadow-Line blunt blade, 23 x 55 mm, black	2	•	•
S-0116	Shadow-Line blunt blade, 23 x 60 mm, gold	2	•	•
S-0117	Shadow-Line blunt blade, 23 x 65 mm, navy	2	•	•
S-0118	Shadow-Line blunt blade, 23 x 70 mm, lt green	2	•	•
S-0119	Shadow-Line blunt blade, 23 x 75 mm, orange	2	•	•

Ordering information

Cat. no.	Description	Qty.	Retraction set in a Genesis container Z-0102RG	Retraction set in a sterilization container Z-0102RC
S-0120	Shadow-Line short tooth blade, 23 x 30 mm, silver	1	•	•
S-0121	Shadow-Line short tooth blade, 23 x 35 mm, blue	1	•	•
S-0122	Shadow-Line short tooth blade, 23 x 40 mm, red	1	•	•
S-0123	Shadow-Line short tooth blade, 23 x 45 mm, green	1	•	•
S-0124	Shadow-Line short tooth blade, 23 x 50 mm, violet	1	•	•
S-0125	Shadow-Line short tooth blade, 23 x 55 mm, black	1	•	•
S-0126	Shadow-Line short tooth blade, 23 x 60 mm, gold	1	•	•
S-0127	Shadow-Line short tooth blade, 23 x 65 mm, navy	1	•	•
S-0129	Shadow-Line long tooth blade, 23 x 30 mm, silver	1	•	•
S-0130	Shadow-Line long tooth blade, 23 x 35 mm, blue	1	•	•
S-0131	Shadow-Line long tooth blade, 23 x 40 mm, red	1	•	•
S-0132	Shadow-Line long tooth blade, 23 x 45 mm, green	1	•	•
S-0133	Shadow-Line long tooth blade, 23 x 50 mm, violet	1	•	•
S-0134	Shadow-Line long tooth blade, 23 x 55 mm, black	1	•	•
S-0135	Shadow-Line long tooth blade, 23 x 60 mm, gold	1	•	•
S-0136	Shadow-Line long tooth blade, 23 x 65 mm, navy	1	•	•
S-0140	Shadow-Line micro blunt blade, 14 x 35 mm, blue	2	•	•
S-0141	Shadow-Line micro blunt blade, 14 x 40 mm, red	2	•	•
S-0142	Shadow-Line micro blunt blade, 14 x 45 mm, green	2	•	•
S-0143	Shadow-Line micro blunt blade, 14 x 50 mm, violet	2	•	•
S-0144	Shadow-Line micro blunt blade, 14 x 55 mm, black	2	•	•
S-0145	Shadow-Line micro blunt blade, 14 x 60 mm, gold	2	•	•
S-0146	Shadow-Line micro tooth blade, 14 x 35 mm, blue	2	•	•
S-0147	Shadow-Line micro tooth blade, 14 x 40 mm, red	2	•	•
S-0148	Shadow-Line micro tooth blade, 14 x 45 mm, green	2	•	•
S-0149	Shadow-Line micro tooth blade, 14 x 50 mm, violet	2	•	•
S-0150	Shadow-Line micro tooth blade, 14 x 55 mm, black	2	•	•
S-0151	Shadow-Line micro tooth blade, 14 x 60 mm, gold	2	•	•

Distributed by:



To order, contact your local V. Mueller® sales representative, send an email to GMB-VM-Europe@carefusion.com or visit carefusion.com/vmueller.



carefusion.com

