

# Ergonomically designed with you in mind

Snowden-Pencer™ laparoscopic ergonomic  
take-apart instruments



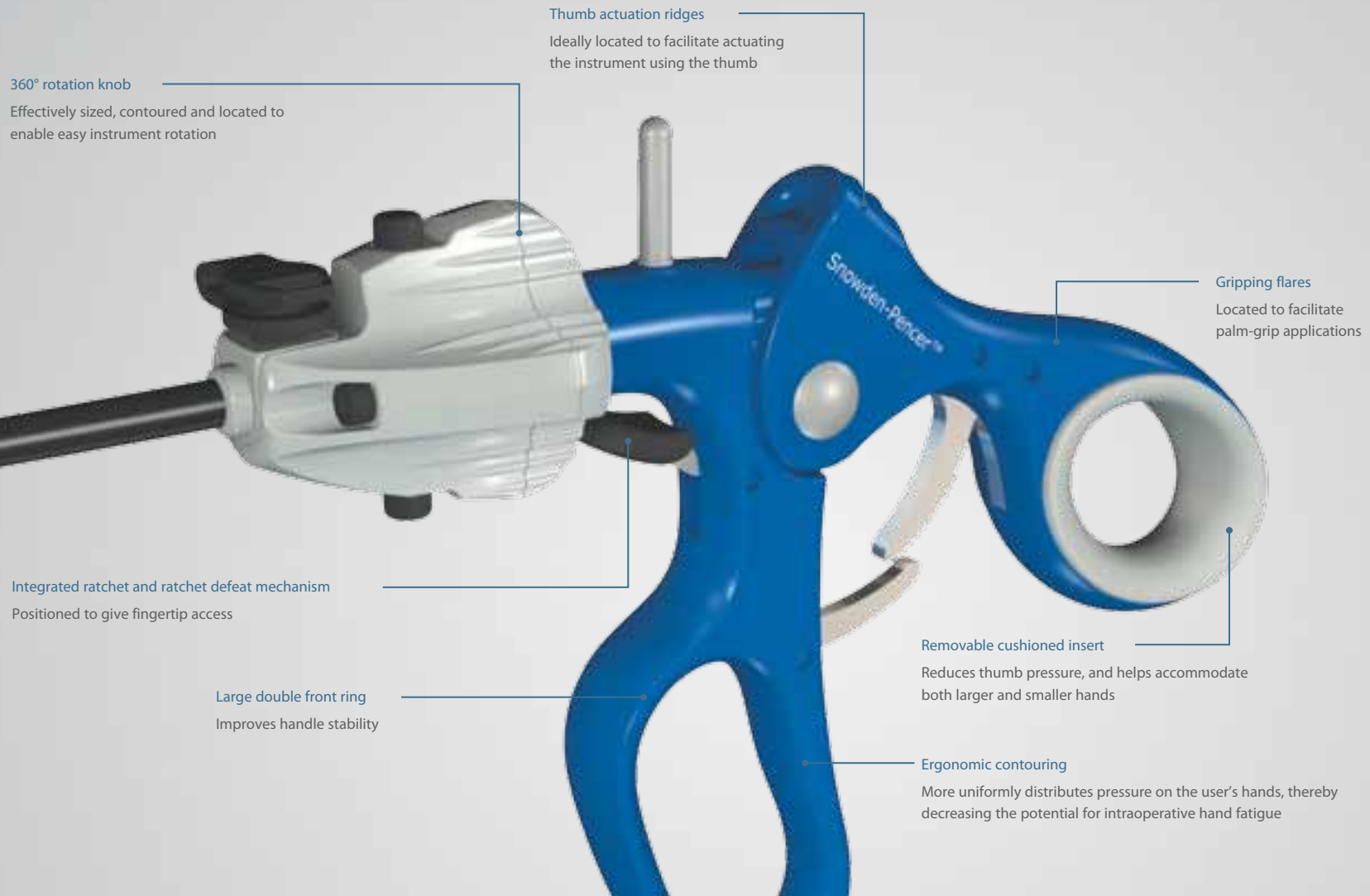
## New design. More choices. All about your comfort.

In the operating room, you focus on optimizing outcomes for your patients. You need precision instruments that are ergonomically designed with surgeon-researched enhancements to maximize your comfort.



### Traditional vs. ergonomic ring handle

Compared to a traditional ring-handle design, the Snowden-Pencer ergonomic ring handle is designed for comfort and precision.



## Versatile, ergonomic design for comfort every single time

The ring handle is designed to work with both a traditional precision or palm grip, providing you with options to ensure your optimal feel. Features like the thumb actuation ridges and enlarged 360° rotation knob are designed to increase handle efficiency and ease of use.

### Pressure/Surface area mapping studies

Snowden-Pencer laparoscopic ergonomic take-apart instruments feature a new ring-handle design that more evenly distributes pressure, helping reduce the potential for intraoperative hand fatigue and temporary digital nerve compression.

When compared to traditional ring-handle instruments, Snowden-Pencer ring-handle instruments resulted in:<sup>1,2,3,4,5,6</sup>

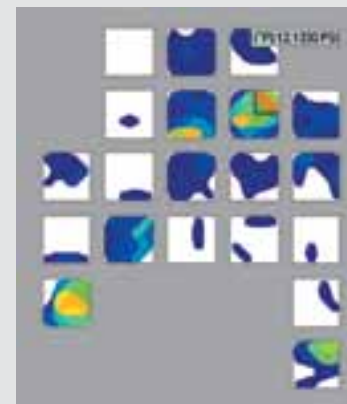
- 27% average reduction in peak pressure
- 11% average increase in hand-surface contact area
- Possible reduction in intraoperative hand fatigue
- Possible reduction in temporary digital nerve compression
- Versatility for use in a variety of lap procedures



### Pressure/Surface area mapping studies Tekscan Grip™ sensing system



Force distribution Snowden-Pencer ring handle (large hand)



Sensor placement (small hand)

## Ratchet function offers you more choices

We designed the ring handle with an integrated ratchet mechanism that allows you to adjust the ratchet easily and quickly per your preference.

The same instrument can be used with or without the ratchet function. You choose the ratchet option that works best for you.



## Durable for a lifetime of performance

Snowden-Pencer laparoscopic ergonomic take-apart instruments are designed for performing general laparoscopy with the ability to grasp, dissect and clamp. They feature a tungsten-carbide insert that is light yet strong to ensure durable performance. These instruments offer the same comfort and precision as our ergonomic single-piece ring-handle instruments, with the ability to be taken apart to aid visual inspection during cleaning—supporting sterility.

You can rely on the quality and durability of our instruments throughout their life. In fact, we protect all Snowden-Pencer instruments with a full-service one-year warranty and lifetime warranty against manufacturer defects.

Double layer Halar insulation  
Reduces the potential for cracks and defects in the shaft's insulation

Dual assembly/release buttons

Designed to aid assembly and help eliminate unintended disengagement during use

Electrosurgical post

Allows monopolar cutting and coagulation

Fully insulated durable polymer handle

Helps protect against aggressive cleaning and sterilization

The instrument can be taken apart into separate pieces (handle, shaft and insert) to aid visual inspection during cleaning.

## Ordering information

To best meet your needs, Snowden-Pencer laparoscopic ergonomic take-apart instruments can be ordered as whole instruments or separate parts.

For additional information or to place an order, please contact your V. Mueller/Snowden-Pencer MIS sales representative, send an email to [GMB-VM-Europe@carefusion.com](mailto:GMB-VM-Europe@carefusion.com) or visit [carefusion.com/takeapart](http://carefusion.com/takeapart).


Take-apart instrument product codes start with the following numbers, depending on the shaft size and ratchet option:










### Handles

Ratchet/Ratchet defeat	Non-ratchet
SP94	SP95
	
Ratchet handle	Non-ratchet handle

### Shafts


36 cm		45 cm	
5 mm	10 mm	5 mm	10 mm
SP83	SP86	SP84	SP87










Clamps	Description	Full instrument				Insert only			
	Shaft length	36 cm		45 cm		36 cm		45 cm	
	Shaft diameter	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm
	Bowel, 50 mm jaw	SP94-8345	•	SP94-8445	•	SP8345	•	SP8445	•
	Bowel, 60 mm jaw	SP94-8346	•	SP94-8446	•	SP8346	•	SP8446	•
	CRILE, 30 mm, curved jaw	SP94-8348	•	SP94-8448	•	SP8348	•	SP8448	•
	CRILE, 30 mm, straight jaw	SP94-8347	•	SP94-8447	•	SP8347	•	SP8447	•
	DEBAKEY, 25 mm jaw	SP94-8343	•	SP94-8443	•	SP8343	•	SP8443	•
	DEBAKEY, 35 mm jaw	SP94-8344	•	SP94-8444	•	SP8344	•	SP8444	•
	DEBAKEY, 30 mm jaw	•	SP94-8649	•	SP94-8749	•	SP8649	•	SP8749
	DEBAKEY, 40 mm jaw	•	SP94-8650	•	SP94-8750	•	SP8650	•	SP8750
	DEBAKEY, 50 mm jaw	•	SP94-8651	•	SP94-8751	•	SP8651	•	SP8751
	DEBAKEY, 60 mm jaw	•	SP94-8652	•	SP94-8752	•	SP8652	•	SP8752
	DEBAKEY, 60 mm curved jaw	•	SP94-8653	•	SP94-8753	•	SP8653	•	SP8753
	DEBAKEY, 60 mm acute curved jaw	•	SP94-8654	•	SP94-8754	•	SP8654	•	SP8754
	GLASSMAN, 30 mm jaw	•	SP94-8655	•	SP94-8755	•	SP8655	•	SP8755
	GLASSMAN, 40 mm jaw	•	SP94-8656	•	SP94-8756	•	SP8656	•	SP8756
	GLASSMAN, 50 mm jaw	•	SP94-8657	•	SP94-8757	•	SP8657	•	SP8757
	GLASSMAN, 60 mm jaw	•	SP94-8658	•	SP94-8758	•	SP8658	•	SP8758
	GLASSMAN, 60 mm curved jaw	•	SP94-8659	•	SP94-8759	•	SP8659	•	SP8759
	GLASSMAN, 60 mm acute curved jaw	•	SP94-8660	•	SP94-8760	•	SP8660	•	SP8760

Dissectors	Description	Full instrument				Insert only			
	Shaft length	36 cm		45 cm		36 cm		45 cm	
	Shaft diameter	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm
	60° Angle	•	SP95-8638	•	SP95-8738	•	SP8638	•	SP8738
	Bullet Nose, Diamond-Jaw <sup>®</sup> tip	SP95-8320	•	SP95-8420	•	SP8320	•	SP8420	•
	Dolphin Nose	SP95-8367	•	SP95-8467	•	SP8367	•	SP8467	•
	Duckbill	SP95-8363	•	SP95-8463	•	SP8363	•	SP8463	•
	Endo-Right Angle (90°), 5 mm jaw	SP95-8331	•	SP95-8431	•	SP8331	•	SP8431	•
	Endo-Right Angle (90°), 10 mm jaw	•	SP95-8637	•	SP95-8737	•	SP8637	•	SP8737
	Fenestrated, 10 mm jaw	SP95-8335	•	SP95-8435	•	SP8335	•	SP8435	•
	Fenestrated, 16 mm jaw	SP95-8336	•	SP95-8436	•	SP8336	•	SP8436	•
	Flat Nose, Diamond-Jaw tip	SP95-8341	•	SP95-8441	•	SP8341	•	SP8441	•
	MARYLAND	SP95-8368	•	SP95-8468	•	SP8368	•	SP8468	•
	Serrated Cup	SP95-8330	•	SP95-8430	•	SP8330	•	SP8430	•





Dissectors	Description	Full instrument				Insert only			
	Shaft length	36 cm		45 cm		36 cm		45 cm	
	Shaft diameter	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm
	Tapered, curved, Micro Diamond-Dust tip	SP95-8333	•	SP95-8433	•	SP8333	•	SP8433	•
	Tapered, straight, Diamond-Jaw tip	SP95-8342	•	SP95-8442	•	SP8342	•	SP8442	•
	Tapered, straight	SP95-8332	•	SP95-8432	•	SP8332	•	SP8432	•

Graspers	Description	Full instrument				Insert only			
	Shaft length	36 cm		45 cm		36 cm		45 cm	
	Shaft diameter	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm
	BABCOCK, Fine, Diamond-Jaw tip	•	SP94-8622	•	SP94-8722	•	SP8622	•	SP8722
	BABCOCK, Standard, Diamond-Jaw tip	•	SP94-8621	•	SP94-8721	•	SP8621	•	SP8721
	BABCOCK	SP94-8318	•	SP94-8418	•	SP8318	•	SP8418	•
	Teardrop BABCOCK	SP94-8373	•	SP94-8473	•	SP8373	•	SP8473	•
	Bullet Nose, Diamond-Jaw tip	SP94-8320	•	SP94-8420	•	SP8320	•	SP8420	•
	Crocodile, Single-action	SP94-8364	•	SP94-8464	•	SP8364	•	SP8464	•
	Crocodile, Double-action	SP94-8366	•	SP94-8466	•	SP8366	•	SP8466	•

Graspers	Description	Full instrument				Insert only			
	Shaft length	36 cm		45 cm		36 cm		45 cm	
	Shaft diameter	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm
	DEBAKEY-ALLIS	.	SP94-8628	.	SP94-8728	.	SP8628	.	SP8728
	Diamond-Jaw, Diamond-Jaw tip	SP94-8316	.	SP94-8416	.	SP8316	.	SP8416	.
	Dolphin Nose	SP94-8367	.	SP94-8467	.	SP8367	.	SP8467	.
	DORSEY Fenestrated, Single-action	SP94-8379	.	SP94-8479	.	SP8379	.	SP8479	.
	DORSEY Fenestrated, Double-action	SP94-8378	.	SP94-8478	.	SP8378	.	SP8478	.
	DUVAL, Diamond-Jaw tip	.	SP94-8623	.	SP94-8723	.	SP8623	.	SP8723
	Fenestrated	.	SP94-8626	.	SP94-8726	.	SP8626	.	SP8726
	Fenestrated, 10 mm jaw	SP94-8335	.	SP94-8435	.	SP8335	.	SP8435	.
	Fenestrated, 16 mm jaw	SP94-8336	.	SP94-8436	.	SP8336	.	SP8436	.
	Flat Nose, Diamond-Jaw tip	SP94-8341	.	SP94-8441	.	SP8341	.	SP8441	.

Graspers	Description	Full instrument				Insert only			
	Shaft length	36 cm		45 cm		36 cm		45 cm	
	Shaft diameter	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm	5 mm	10 mm
	Gator-Toothed	SP94-8329	•	SP94-8429	•	SP8329	•	SP8429	•
	McKERNAN™ ADSON, Diamond-Jaw tip	SP94-8362	•	SP94-8462	•	SP8362	•	SP8462	•
	McKERNAN ALLIS	SP94-8314	•	SP94-8414	•	SP8314	•	SP8414	•
	McKERNAN Fundus	SP94-8312	•	SP94-8412	•	SP8312	•	SP8412	•
	McKERNAN GI	•	SP94-8624	•	SP94-8724	•	SP8624	•	SP8724
	Paddle BABCOCK, Diamond-Jaw tip	•	SP94-8661	•	SP94-8761	•	SP8661	•	SP8761
	PENNINGTON	•	SP94-8625	•	SP94-8725	•	SP8625	•	SP8725
	Raptor	SP94-8365	•	SP94-8465	•	SP8365	•	SP8465	•
	Serrated Cup	SP94-8330	•	SP94-8430	•	SP8330	•	SP8430	•

Miscellaneous	Description			Description	
	Flush port plug	88-9861		Cushioned thumb insert replacements	SP90-1111 4/pack

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#### References

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