

KARL STORZ Powershaver SL

- Up to 15,000 RPMs shaving power
- Responsive handling and precision control
- Choice of reusable savings or disposable convenience



KARL STORZ Powershaver SL

Introducing the Powershaver SL, leading-edge arthroscopic technology from the leader in minimally invasive surgery.

KARL STORZ has brought arthroscopic shaver systems to a new level of technological sophistication with the introduction of the Powershaver SL. Just the latest product offering from KARL STORZ, the market leader in surgical endoscopy, the Powershaver SL represents our commitment to the important and highly specialized field of arthroscopic surgery.

Whether the application is knee, shoulder or small joint, the KARL STORZ Powershaver SL satisfies the demands of

the multi-tasked orthopedic surgeon. For the goal of any arthroscopic procedure is the same: to complete the procedure quickly and with minimal trauma, thereby reducing patient time under anesthesia. The Powershaver SL is ideally suited to this task, providing the speed and torque required for all arthroscopic applications. Plus, surgeons can combine the Powershaver SL with the unsurpassed line of KARL STORZ video imaging systems. Your options include Image 1™, the first truly digital, three chip camera, and the AIDA DVD image capture system for simultaneous visualization and digital documentation of crisp, high resolution still images and streaming video.



Powershaver SL Console: The source of power

The KARL STORZ Powershaver SL sets new standards in shaver systems, offering exceptional speed and stable torque throughout its speed range. Best of all, control of speed is exactly where it should be: with the operating surgeon who enjoys a choice of hand control, control via the foot pedal or control from the console itself.

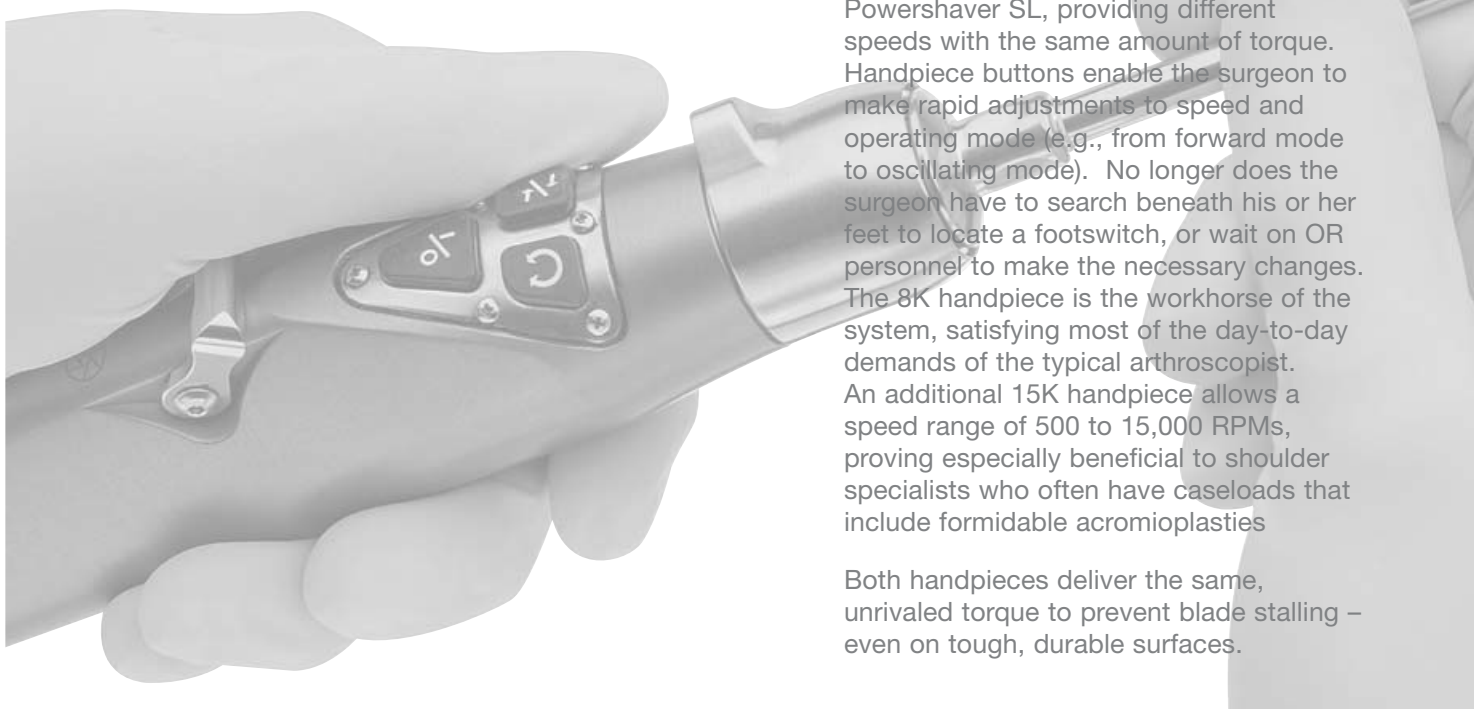
The Powershaver SL's illuminated LCD touchscreen provides surgeons with continuous feedback on speed and operating mode – even when OR lights are dimmed to improve endoscopic viewing. This interactive screen allows the circulating nurse to monitor operating parameters and make any adjustments needed.



Handpieces: Deliver the Power

Two streamlined and balanced handpieces are available for use with the KARL STORZ Powershaver SL, providing different speeds with the same amount of torque. Handpiece buttons enable the surgeon to make rapid adjustments to speed and operating mode (e.g., from forward mode to oscillating mode). No longer does the surgeon have to search beneath his or her feet to locate a footswitch, or wait on OR personnel to make the necessary changes. The 8K handpiece is the workhorse of the system, satisfying most of the day-to-day demands of the typical arthroscopist. An additional 15K handpiece allows a speed range of 500 to 15,000 RPMs, proving especially beneficial to shoulder specialists who often have caseloads that include formidable acromioplasties

Both handpieces deliver the same, unrivaled torque to prevent blade stalling – even on tough, durable surfaces.





A Jacobs chuck, Sagittal saw and Pin driver are also available and can be operated from the same Powershaver SL console, making this device remarkably versatile.

Physician Profiles: One-Touch Convenience

Time is money in today's operating rooms, where delayed turnaround time and lengthy procedural start-ups can be costly. The KARL STORZ Powershaver SL can make a contribution in this area by storing several physician profiles, any of which can be recalled at a moment's notice.

Each surgeon can store their own preferences for speed and operating mode. These parameters can all be easily programmed into the Powershaver SL and modified as needed. While the operating room is preparing for the next case, the circulating nurse refers to the stored physician profiles and selects the appropriate profiles and selects the appropriate set up for the next procedure.

Blades and Burrs: Cutting-Edge Performance

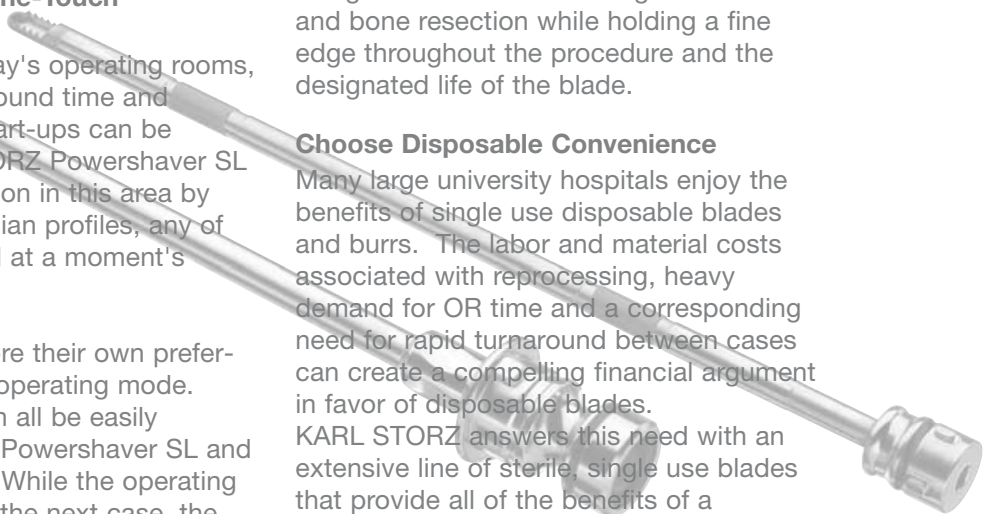
When it comes to precision cutting instruments, KARL STORZ has decided to 'go back to the future.' Many of the materials used in blade manufacture have undergone changes in recent years, as manufacturers attempt to offer hospitals cost-effective solutions in an increasingly competitive pricing environment.

Unfortunately, these less robust materials can lead to the early failure of disposable blades and even the shedding of metal while in use. In contrast, the KARL STORZ Powershaver SL line of disposable and reusable blades are made from some of the finest and strongest metals available for this application. The stainless steel is designed to withstand the rigors of tissue and bone resection while holding a fine edge throughout the procedure and the designated life of the blade.

Choose Disposable Convenience

Many large university hospitals enjoy the benefits of single use disposable blades and burrs. The labor and material costs associated with reprocessing, heavy demand for OR time and a corresponding need for rapid turnaround between cases can create a compelling financial argument in favor of disposable blades.

KARL STORZ answers this need with an extensive line of sterile, single use blades that provide all of the benefits of a disposable with the durability of a reusable.



Choose Reusable Savings

Today, many physician owned surgery centers and smaller community hospitals are looking for avenues to increase profitability and are turning towards reprocessing single use blades as a cost containment measure. Unfortunately, there is some associated liability with this practice. KARL STORZ now offers a solution to this issue by providing reusable blades and burrs that will hold up to numerous of procedures and associated sterilization cycles.

Reusable or disposable blades: it's always your choice with KARL STORZ and the unique flexibility of the Powershaver SL.

The KARL STORZ Powershaver SL: Your system solution

KARL STORZ holds the reputation for highest quality and technologically advanced video imaging products. Many surgical specialties can benefit from standardizing to one video platform with one shaver system. Indeed, the benefits are many. For example, training and inservicing time and costs are better spent. Additionally, standardization facilitates the interchange of accessories such as camera heads and shaver handpieces from one OR to the next. Standardization

also reduces inventory levels.

For the ultimate in standardization, consider our fully integrated operating room solution: OR1™. Using sophisticated electronic guidance systems, OR1™ provides centralized control of every component of the operating room, including overhead mounting systems, operating room lights, operating room tables, endoscopic equipment, cameras, video systems and documentation solutions. OR1™ maximizes procedural efficiencies, expedites room turnover and even improves the morale of surgeons and perioperative staff. It's the product of over 55 years of innovative surgical solutions from the pioneer in endoscopy.

Access Dedicated Support

For more information on the Powershaver SL and others ways to maximize arthroscopic efficiencies, please contact your local KARL STORZ representative. You'll find your KARL STORZ representative serves as a valuable one-stop resource for sales and service in all aspects of arthroscopy and sports medicine.





20 7210 20-1

28 7210 03-1 POWERSHAVER SL, Basic Set,

consisting of:

- 20 7210 20-1 POWERSHAVER SL**, power supply
100 – 127/220 – 250 VAC, 50/60 Hz
- 400 A **Mains Cord**
- 20 0128 31 **Two-Pedal Footswitch**
- 20 0901 70 **SCB Connecting Cable**

28 7210 04-1 POWERSHAVER SL, Basic Set

consisting of:

- 20 7210 20-1 POWERSHAVER SL**, power supply
100 – 127/ 220 – 250 VAC, 50/60 Hz
- 400 A **Mains Cord**
- 20 0128 32 **Three-Pedal Footswitch**

Optional Accessories:

- 28 7210 30 High-Speed Shaver Handpiece SL**, 15000 rpm⁻¹
- 28 7210 35 Standard Shaver Handpiece SL**, 8000 rpm⁻¹
- 28 7210 36 Multifunction Handpiece SL**
- 28 7210 40 Small Joint Shaver Handpiece SL**, up to 6000 rpm⁻¹,
- 28 7210 45 8k Shaver Handle**, without headbuttons, up to 8000 rpm⁻¹

Optional Accessories for Multifunction Handpiece 28 7210 36:

- 28 7210 31 Jacobs Chuck**, up to diameter 4.5 mm
- 28 7210 37 Jacobs Chuck**, up to diameter 6.5 mm
- 28 7210 38 Jacobs Chuck**, keyless, up to diameter 6.5 mm
- 28 7210 39 Sagittal Saw Attachment**
- 28 7210 33 Pin Driver**, for drilling wires diameter 1.5 – 3 mm
- 28 7210 34 Synthes Style Driver**
- 28 7210 71 Interface Cable** for the use of the FMS pump with the Powershaver SL (220 Volt version)

Two-Pedal Footswitch

20 0128 31



Three-Pedal Footswitch

20 0128 32

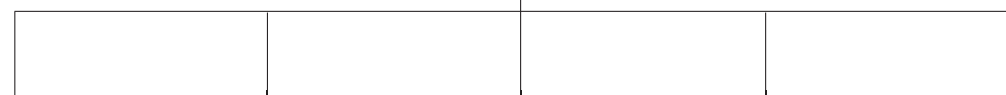


UNIT SIDE

PATIENT SIDE



SCB®



28721045
8k Shaver Handle, with-
out headbuttons, 8000¹



28 7210 30
High-Speed
Shaver Handpiece SL, 15000¹



28 7210 35
Standard
Shaver Handpiece SL, 8000¹



28 7210 40
Small Joint
Shaver Handpiece SL, 6000¹



28 7210 36
Multifunction Handpiece SL



28 7210 31
Jacobs Chuck, up to
diameter 4.5 mm



28 7210 37
Jacobs Chuck, up to
diameter 6.5 mm



28 7210 38
Jacobs Chuck, keyless,
up to diameter 6.5 mm



NEW
28 7210 39
Sagittal Saw

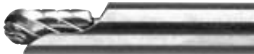


28 7210 33
Pin Driver,
for drilling wires
diameter
1.5-3 mm



28 7210 34
Synthes Style Driver

Hip Joint Shaver Blades **NEW**

Full Radius Resector working length 180 mm	Cat. No.	Diameter (mm)	Color code
disposable, sterile, package of 6	28208 CCS	4.5 violet	yellow
	28208 CDS	5.5 dark grey	yellow
 Partial, subtotal and total synovectomy, removal of degenerative tissue and adhesion strands			
Aggressive Full Radius Resector working length 180 mm	Cat. No.	Diameter (mm)	Color code
disposable, sterile, package of 6	28208 DCS	4.5 violet	blue
 Partial, subtotal and total synovectomy, removal of degenerative tissue and adhesion strands			
Curved Aggressive Full Radius Resector working length 180 mm	Cat. No.	Diameter (mm)	Color code
disposable, sterile, package of 6	28208 EHS	4.5 violet	blue
 Partial, subtotal and total synovectomy, removal of degenerative tissue and adhesion strands			
Curved Full Radius Resector working length 180 mm	Cat. No.	Diameter (mm)	Color code
disposable, sterile, package of 6	28208 EGS	4.5 violet	light blue
 Partial, subtotal and total synovectomy, removal of degenerative tissue and adhesion strands			
Semi Hoded Barrel Burr working length 180 mm	Cat. No.	Diameter (mm)	Color code
disposable, sterile, package of 6	28208 IDS	5.5 dark grey	yellow
 Extensive ablation, removal of osteophytes or a notchplasty; smoothing of bone irregularities, milling the subchondral bone during subchondral abrasion for the induction of fibrous cartilage; extensive cartilage removal			

Shaver Blades

Aggressive Cutter, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 AB	3.5 green	green
	28205 AC	4.2 green	green
	28205 AD	5.5 green	green
disposable, sterile, package of 6	28205 ABS*	3.5 light gray	green
	28205 ACS*	4.2 medium gray	green
	28205 ADS*	5.5 dark gray	green
 Removal of degenerative meniscus tissue and adhesion strands			

End Cutter, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 BB	3.5 red	red
	28205 BC	4.2 red	red
	28205 BD	5.5 red	red
disposable, sterile, package of 6	28205 BBS*	3.5 light gray	red
	28205 BCS*	4.2 medium gray	red
	28205 BDS*	5.5 dark gray	red
 Removal of degenerative meniscus tissue and synovial strands; removal of unstable cartilage			

* For US orders, please add a /6 to the catalog number.

Shaver Blades

Full Radius Resector, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 CB	3.5 yellow	yellow
	28205 CC	4.2 yellow	yellow
	28205 CD	5.5 yellow	yellow
disposable, sterile, package of 6	28205 CBS*	3.5 light gray	yellow
	28205 CCS*	4.2 medium gray	yellow
	28205 CDS*	5.5 dark gray	yellow
 Partial, subtotal and total synovectomy, removal of degenerative meniscus tissue and adhesion strands			

Aggressive Full Radius Resector, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 DB	3.5 blue	blue
	28205 DC	4.2 blue	blue
	28205 DD	5.5 blue	blue
disposable, sterile, package of 6	28205 DBS*	3.5 light gray	blue
	28205 DCS*	4.2 medium gray	blue
	28205 DDS*	5.5 dark gray	blue
 Partial, subtotal and total synovectomy, removal of degenerative meniscus tissue and adhesion strands;			

* For US orders, please add a /6 to the catalog number.

Shaver Blades

Curved Full Radius Resector, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 EG	4.2 light blue	light blue
disposable, sterile, package of 6	28205 EGS*	4.2 medium gray	light blue
 Partial, subtotal and total synovectomy, removal of degenerative meniscus tissue and adhesion strands			

Curved Aggressive Full Radius Resector, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 EH	4.2 light green	light green
disposable, sterile, package of 6	28205 EHS*	4.2 medium gray	light green
 Partial, subtotal and total synovectomy, removal of degenerative meniscus tissue and adhesion strands			

Round Burr, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 FC	4.2 orange	orange
	28205 FD	5.5 orange	orange
	28205 FE	6.5 orange	orange
disposable, sterile, package of 6	28205 FCS*	4.2 medium gray	orange
	28205 FDS*	5.5 dark gray	orange
	28205 FES*	6.5 black	orange
 Removal of osteophytes; smoothing of bone irregularities, milling the subchondral bone during subchondral abrasion for the induction of fibrous cartilage			

* For US orders, please add a /6 to the catalog number.

Shaver Blades

Finish Barrel Burr, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 GD	4.2 purple	purple
	28205 GE	5.5 purple	purple
	28205 GF	6.5 purple	purple
disposable, sterile, package of 6	28205 GDS	4.2 medium gray	purple
	28205 GES	5.5 dark gray	purple
	28205 GFS	6.5 black	purple
 Extensive ablation, e.g. with subacromial decompression of the shoulder; removal of osteophytes or a notchplasty; smoothing of bone irregularities, milling the subchondral bone during subchondral abrasion for the induction of fibrous cartilage; extensive cartilage removal, e.g. with subacromial decompression			

Aggressive Barrel Burr, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 HC	4.2 pink	pink
	28205 HD	5.5 pink	pink
	28205 HE	6.5 pink	pink
disposable, sterile, package of 6	28205 HCS	4.2 medium gray	pink
	28205 HDS	5.5 dark gray	pink
	28205 HES	6.5 black	pink
 Extensive ablation, e.g. with subacromial decompression of the shoulder; removal of osteophytes or a notchplasty; smoothing of bone irregularities, milling the subchondral bone during subchondral abrasion for the induction of fibrous cartilage; extensive cartilage removal, e.g. with subacromial decompression			

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Shaver Blades

Slotted Whisker, working length 120 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28205 LC	4.2 light orange	light orange
	28205 LD	5.5 light orange	light orange
disposable, sterile, package of 6	28205 LCS*	4.2 medium gray	light orange
	28205 LDS*	5.5 dark gray	light orange
 Removal of degenerative meniscus tissue and adhesion strands			

Auger, working length 120 mm	Cat. No.	Diameter (mm)	Color code
disposable, sterile, package of 6	28205 KDS*	4.2 medium gray	light purple
 Extensive ablation, e.g. with subacromial decompression of the shoulder; removal of osteophytes or a notchplasty; smoothing of bone irregularities, milling the subchondral bone during subchondral abrasion for the induction of fibrous cartilage; extensive cartilage removal, e.g. with subacromial decompression, Removal of degenerative meniscus tissue and adhesion strands			

* For US orders, please add a /6 to the catalog number.

Small Joint Shaver Blades

Aggressive Cutter working length 70 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28206 AA	2.5 green	green
	28206 AB	3.5 green	green
disposable, sterile, package of 6	28206 AAS*	2.5 white	green
	28206 ABS*	3.5 white	green
 Removal of degenerative meniscus tissue and adhesion strands			

Full Radius Resector working length 70 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28206 CA	2.5 yellow	yellow
	28206 CB	3,5 yellow	yellow
disposable, sterile, package of 6	28206 CAS*	2.5 white	yellow
	28206 CBS*	3.5 light gray	yellow
 Partial, subtotal and total synovectomy, removal of degenerative meniscus tissue and adhesion strands			

* For US orders, please add a /6 to the catalog number.

Small Joint Shaver Blades

Aggressive Full Radius Resector working length 70 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28206 DA	2.5 blue	blue
	28206 DB	3.5 blue	blue
disposable, sterile, package of 6	28206 DAS*	2.5 white	blue
	28206 DBS*	3.5 light gray	blue
 Partial, subtotal and total synovectomy, removal of degenerative meniscus tissue, removal of scar and adhesion strands			

Slotted Whisker working length 70 mm	Cat. No.	Diameter (mm)	Color code
reusable, sterilizable	28206 LA	2.5 light orange	light orange
	28206 LB	3.5 light orange	light orange
disposable, sterile, package of 6	28206 LAS*	2.5 white	light orange
	28206 LBS*	3.5 light gray	light orange
 Removal of degenerative meniscus tissue and adhesion strands			

* For US orders, please add a /6 to the catalog number.

Saw Blades for use with Sagittal Saw Attachment 28721039



28207 SLA

28207 SLA **Saw Blade**, blade width 10 mm, blade thickness 0.4 mm, cutting thickness 0.6 mm, working length 50 mm



28207 SLB

28207 SLB **Same**, width 14 mm



28207 SLC

28207 SLC **Saw Blade**, blade width 10 mm, blade thickness 0.4 mm, cutting thickness 0.6 mm, with stopper at 15 mm, working length 25 mm



28207 SLD

28207 SLD **Same**, blade width 6 mm



28207 SLE

28207 SLE **Same**, blade width 8 mm



28207 SLF

28207 SLF **Saw Blade**, blade width 12 mm, blade thickness 0.4 mm, cutting thickness 0.6 mm, working length 22 mm



28207 SLG

28207 SLG **Saw Blade**, blade width 6 mm, blade thickness 0.4 mm, cutting thickness 0.6 mm, working length 31 mm



28207 SLH

28207 SLH **Same**, blade width 10 mm

Notes



ENDOWORLD®

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THE DIAMOND STANDARD