

**deSouther**  
MEDICAL



**sternudrive**<sup>TM</sup>

[www.de-soutter.com](http://www.de-soutter.com)

# MBC MODULAR STERNUM SAW

The De Soutter Medical MBC sternudrive Lite™ is a powerful, yet versatile modular sternum saw system for primary, revision and paediatric surgery. The handpiece is powered by either sterile or aseptic Li-ion batteries, assuring class leading power to weight ratio.



MBC-709  
sternudrive Lite™  
Handpiece



Oscillating  
sagittal  
sternum saw  
Uses S87 saw blades



Oscillating  
paediatric sagittal  
sternum saw  
Uses S88-9XX saw blades



Reciprocating  
sternum saw  
Uses S84-4XX saw blades



Sternum guard








Oscillating sternum saw  
Uses S81 and S82  
saw blades

## STRAIGHT CASE MODULAR STERNUM SAW

The De Soutter Medical MBC-809 sternudrive Lite™ is an elegant straight case modular handpiece with a unique dual position trigger function, allowing complete grip flexibility.



MBC-809  
sternudrive Lite™  
Straightcase Handpiece

	Model	Order code	Description	Speed cpm/rpm
	MBC-709	1291554	Modular handpiece Cannulation 4.4 mm	-
	CQ-709	18380 16490	Reciprocating sternum saw Sternum guard	0 - 13000
	NQ-709	18450	Oscillating paediatric sternum saw	0 - 13000
	KQ-709	17650	Oscillating sagittal sternum saw	0 - 13000
	DQ-709	19380	0.5 - 4.0 mm (5/32") keyed drill Cannulation 4.4 mm	0 - 1300
	DQ-709	19430	Small A.O. Synthes/ASIF drill Cannulation 2.1 mm	0 - 1300
	OQ-709	18420	Oscillating sternum saw Uses S81 and S82 saw blades*	0 - 13000
	WQ-709	19390	Wire driver 0.7 - 4.0 mm	-

\* Blade tightening wrench 190723 supplied

# DB BATTERY STERNUM SAWS

The DBC-470 has a unique active damping system which reduces vibration by 30% and noise by up to 40%. A single piece micro adjustable blade guard provides optimum control of the cutting direction for primary sternotomies.



DBR-700  
for revision  
sternotomies

DBR-470  
paediatric

DBC-470  
for primary  
sternotomies

Simple twist and click  
sternum blade guard for  
quick and efficient use

Sternum guard  
Order code 16490

Model	Order code	Speed cpm	Stroke
DBC-470	1290224	0 - 14000	3.7 mm
DBR-470	1291664	0 - 15000	-
DBR-700	1290884	0 - 13500	-



# DP AIR STERNUM SAWS

DPC-470 offers the same innovative functionality as the battery sternum saw. A single piece, twist and click, micro adjustable blade guard provides quick and efficient use with optimum control of the cutting direction. For revision sternotomies, the DPX-170 oscillating saw handpiece is also offered.







DPC-470  
for primary  
sternotomies

### Wash assist air hose



This hose system is recommended where machine washing of air hoses is required. By releasing the probe end from the hose, which is retained on the hose via the rubber strap, the two hose ends can be joined and sealed prior to machine washing.

Probe end	Model	3 m hose	4 m hose	5 m hose
Order code				
	DPC-470 DPX-170	13300 13000	13400 13100	13500 13200
	DPC-470 DPX-170	13310 13010	13410 13110	13510 13210
	DPC-470 DPX-170	13330 13030	13430 13130	13530 13230
	DPC-470 DPX-170	13320 13020	13420 13120	13520 13220


Other probe connectors are available on request.

### Air inlet washing cap.



Order code 9950 for DPC-470  
Order code 608073 for DPX-170



Model	Order code	Speed cpm	Stroke	Operating pressure	Sternum guard
DPC-470	226614	0 - 16000	3,7 mm	6 - 7 bar	Order code 16490
			Oscillating arc		
DPX-170	223224	0 - 13000	6°	6 - 7 bar	

## BATTERY CHARGERS



### BC-700 BATTERY CHARGER



shown with aseptic batteries.

The BC-700 Battery Charger requires minimal user input, simply insert battery and the BC-700 will charge, recover and recondition it to its optimum state. **The large touch-screen display** with intuitive menu navigation, displays instant battery charge status and condition. Includes a multi-lingual display and other user settings.

The BC-700 also offers a **unique healthcheck facility**, profiling the condition of an individual battery, automatically reconditioning it, to provide optimal capacity. Alternatively, a manual healthcheck can be easily selected. The BC-700 Battery Charger accepts all De Soutter Medical batteries, ensuring total backwards compatibility.



### BC- 700 MULTI BAY CHARGER AND MODULE OPTIONS

Charger - Order code	Charger module description	Charger module Order code	For battery type	Mains power cordsets - 3 metres long. Please specify - Order code
15700	Without charger module fitted	-	-	
16230	With 4-off CA-703 charger modules	18120	 AB-703/AB-704	UK 8290 Euro 8300 US/Canada 8310 Australia/New Zealand 8320 Swiss 14700
16220	With 4-off CA-700 charger modules	15750	 SB-703/SB-704	

The BC-700 charger modules can be quickly and easily changed to suit the batteries being charged.



### SINGLE BAY CHARGERS

Model	Battery type - Order code	For battery type
BC-706	17990	SB-703/SB-704
BC-707	18000	AB-703
BC-708	18010	AB-704

# LITHIUM ION STERILE BATTERIES

## Why choose Lithium Ion battery technology



De Soutter Medical Lithium Ion batteries offer the surgical team and sterile services a number of tangible benefits over conventional battery technology.

Key advantages are:

- Li-Ion technology improves battery 'capacity to weight' ratio when compared to NiMH or NiCad chemistries.
- Significantly extends the useable run time of the power tool.
- Eliminates 'memory effect' normally associated with other battery types.
- De Soutter Medical sterile Li-Ion technology readily withstands repeated machine washing and autoclaving.
- Unique fuel gauge incorporated within De Soutter Medical Li-Ion batteries allows the surgical team to instantly assess the battery capacity - both before and during use.



## LITHIUM ION STERILE BATTERIES

	Model	Description	Order code	Voltage	Capacity mAh
	SB-703	Small battery	17210	13.2V	1100
	SB-704	Large battery	17220	13.2V	2500



SMALL BATTERY

	Battery pack		Aseptic housing		Aseptic shield
Model	Description	Order code	Voltage	Capacity mAh	
AB-703	Battery pack	17910	10,95V	2000	
AH-703	Battery housing	18080	-	-	
AS-703	Battery shield	18100	-	-	

LARGE BATTERY

	Battery pack		Aseptic housing		Aseptic shield
Model	Description	Order code	Voltage	Capacity mAh	
AB-704	Battery pack	17920	14,6V	2000	
AH-704	Battery housing	18090	-	-	
AS-704	Battery shield	18110	-	-	

LOADING AN ASEPTIC BATTERY PACK



1

Press both catches to open housing.



2

With the aseptic housing open, the sterile operator fits the aseptic shield over the opening.



3

The non-sterile operator inserts the fully charged aseptic battery into the housing.



4

The non-sterile operator removes the aseptic shield.




5

The sterile operator closes the aseptic housing until the lid clicks shut, ensuring the housing is fully closed.

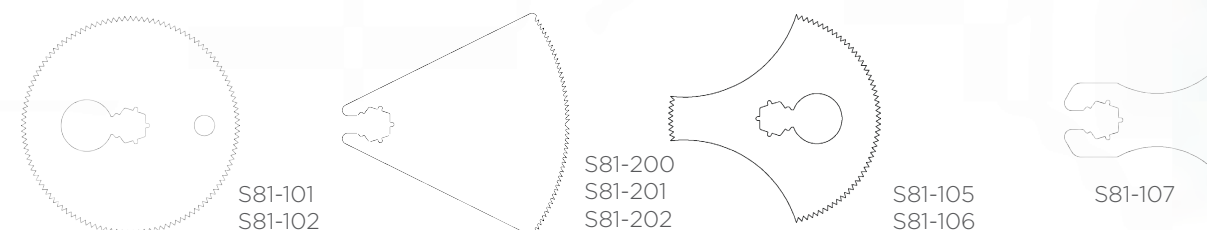


# SAW BLADES

## RECIPROCATING BLADES FOR DBC-470, DPC-470 AND CQ-709

	Blade Order code	Blade thickness	Cut thickness	Tooth pitch
	S84-400	0.8 mm	1.2 mm	1.4 mm (18 TPI) Uni directional cut
	S84-401	0.8 mm	1.2 mm	1.4 mm (18 TPI) Bi directional cut
	S84-402	0.6 mm	1.2 mm	1.4 mm (18 TPI) Uni directional cut

## OSCILLATING BLADES FOR DPX-170 AND OQ-709

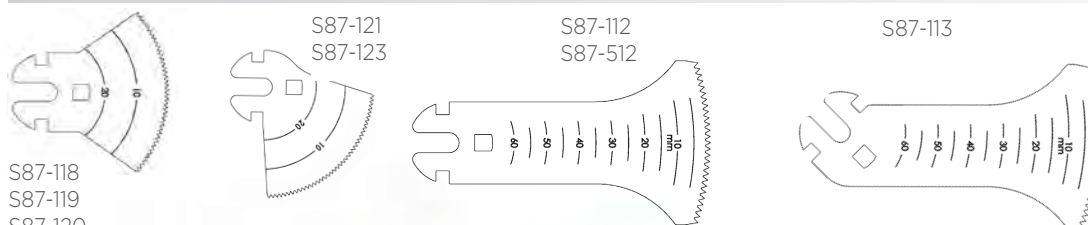


Blade Order code	Blade thickness	Cut thickness	Tooth pitch	Useable length	Blade width
S81-107	0.5 mm	1.0 mm	1.3 mm (20 TPI)	20 mm	24 mm
S81-106	0.5 mm	1.0 mm	1.6 mm (16 TPI)	16 mm	25 mm
S81-105	0.5 mm	1.0 mm	1.8 mm (14 TPI)	23 mm	32 mm
S81-102	0.5 mm	1.0 mm	1.5 mm (17 TPI)	29 mm	38 mm
S81-200	0.5 mm	1.0 mm	1.4 mm (18 TPI)	48 mm	66 mm
S81-201	0.5 mm	1.0 mm	1.3 mm (20 TPI)	23 mm	63 mm
S81-202	0.5 mm	1.0 mm	1.6 mm (16 TPI)	41 mm	93 mm

## OSCILLATING BLADES FOR DBR-470 AND NQ-709

	Blade Order code	Blade thickness	Cut thickness	Tooth pitch	Useable length	Blade width
	S88-908	0,6 mm	0,6 mm	1,4 mm	19 mm	50 mm
	S88-909	0,6 mm	0,6 mm	1,4 mm	19 mm	63 mm
	S88-918	0,6 mm	0,6 mm	1,4 mm	25 mm	50 mm
	S88-919	0,6 mm	0,6 mm	1,4 mm	25 mm	63 mm

## OSCILLATING BLADES FOR DBR-700 AND KQ-709



Blade Order code	Blade thickness	Cut thickness	Tooth pitch	Useable length	Blade width
S87-112	0.6 mm	0.8 mm	1.9 mm	65 mm	50 mm
S87-113	0.6 mm	0.8 mm	1.9 mm	65 mm	50 mm
S87-118 Paediatric	0.51 mm	0.9 mm	1.4 mm	23 mm	50 mm
S87-119 Paediatric	0.51 mm	0.9 mm	1.4 mm	23 mm	63 mm
S87-120	0.51 mm	1.0 mm	1.6 mm	35 mm	82 mm
S87-121	0.51 mm	1.0 mm	1.6 mm	35 mm	82 mm
S87-123	0.51 mm	0.9 mm	1.4 mm	23 mm	50 mm
S87-512	0.6 mm	0.6 mm	2.1 mm	65 mm	50 mm

## STERILISATION INSERT TRAYS

The introduction of a high performance hard anodising technology onto our handpieces has provided:

- Excellent corrosion resistance and protection against highly alkaline detergents. Durability and long term reliability is significantly improved.
- Ultra tough and exceptionally scratch resistant.

### ASEPTIC BATTERY STERILISATION SYSTEM



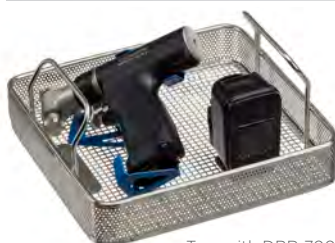
Tray with DBR-700 handpiece



Tray with MBC-709 handpiece

Set up - optional tray contents	Container and insert tray Order code	Insert tray Order code
1 off DBR-700 handpiece 1 off aseptic housing and shield	19170	19070
1 off DBR-470 or DBC-470 handpiece 1 off sternum guard (DBC-470 only) 1 off aseptic housing and shield	18210	18200
1 off MBC-709 handpiece 3 off attachments 1 off sternum guard 1 off aseptic housing and shield	19280	19300
1 off MBC-809 handpiece 1 off MBC-709 handpiece 6 off attachments 1 off sternum guard 1 off aseptic housing and shield	20410	20360

### STERILE BATTERY STERILISATION SYSTEM



Tray with DBR-700 handpiece



Tray with MBC-709 handpiece



Tray with SB-70X batteries

Set up - optional tray contents	Container and insert tray Order code	Insert tray Order code
1 off DBR-700 handpiece 1 off sterile battery	17890	17880
1 off DBR-470 or DBC-470 handpiece 1 off sternum guard (DBC-470 only) 1 off sterile battery	19270	19110
1 off MBC-709 handpiece 3 off attachments 1 off sternum guard 1 off sterile battery	19200	19100
1 off MBC-809 handpiece 1 off MBC-709 handpiece 6 off attachments 1 off sternum guard 2 off sterile batteries	20420	20370
1 off DPC-470 handpiece 1 off sternum guard	17160	17170
2 off SB-70X batteries	17390	17400

Wire container for aseptic and sterile trays  
Order code 19000

# STERILISATION CONTAINERS

## WIRE CONTAINERS



Standard wire container  
Order code 19010  
Accepts standard insert tray

Half size wire container  
Order code 19000  
Accepts half size insert tray

## STERILE FILTERED CONTAINERS

Accepts standard insert tray



Standard sterile filtered container  
Order code 19250

PTFE sterile filtered container  
Order code 19810

Lid gasket  
Order code 670023

PTFE filter cassette  
Order code 671073



Accepts half size insert tray  
Half size sterile filtered container  
Order code 19370  
Lid gasket  
Order code 669903



Filter paper - single use  
pack of 100  
Order code 657243



Security tag  
pack of 100  
Order code 657253



Sterile indicator label, pack of 100. Order code 657263

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MEDICAL

For further information on De Soutter Medical powered instruments and cast saw systems please contact the address in your area.