

sternudrive™

... with new active damping system

Cardio Thoracic

POWER INSTRUMENTS

incorporating

LITHIUM ION TECHNOLOGY

AIR AND BATTERY



deSoutter
MEDICAL

DBC

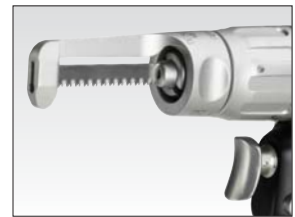
BATTERY STERNUM SAW

The DBC-470 has a unique active damping system which reduces vibration by **30%** and noise by up to **40%**. Li-Ion **Nanophosphate[®]** sterile battery technology assures class leading power to weight ratio. A single piece micro adjustable blade guard provides optimum control of the cutting direction for primary sternotomies.



DBC-470
*Reciprocating saw
handpiece*

*Simple 'twist and click' blade guard
for quick and efficient use*



*Unique Li-ION
battery fuel gauge
indicates battery
capacity. See page 5*



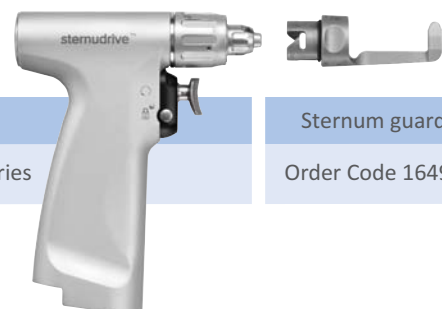
Sterilisation containers. See page 7

HANDPIECE SPECIFICATION

Model	Order Code	Speed	Stroke	Power options	Sternum guard
DBC-470	1290224	1000 - 14000 cpm	3.7 mm	See pages 4 and 5 for batteries	Order Code 16490

Quote Handpiece Order Code and Sternum Guard Order Code when ordering.

See back page for range of reciprocating saw blades.



BC-700 BATTERY CHARGER



BC-700 Battery charger shown with aseptic batteries.

The BC-700 Battery Charger requires minimal user input. Insert battery and the BC-700 will charge, recover and recondition it to an optimum state.

The large touch-screen display with intuitive menu navigation, displays instant battery charge status and condition. It also 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, when applicable, to provide optimal capacity. Alternatively, a manual healthcheck can be easily selected.

The BC-700 Battery Charger accepts all De Soutter Medical batteries, ensuring product compatibility.



CA-450 Charging adaptor.
For use with AB-450 battery. Order Code 14540



BC-700 CHARGER OPTIONS

Order Code	Description	For battery type
15700	Without charger modules fitted	-
16200	With 4-off CA-702 charger modules	AB-450*
*CA-450 charging adaptor required		
16210	With 4-off CA-701 charger modules	AB-701/AB-702
16220	With 4-off CA-700 charger modules	SB-701/SB-702 SB-703/SB-704

Mains power cordsets - 3 metres long.
Please specify from options below.

UK	Order Code: 8290
Euro	Order Code: 8300
US/Canada	Order Code: 8310
Australia/New Zealand	Order Code: 8320

CHARGER MODULES

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

Model	Order Code	For battery type
CA-700	15750	SB-701/SB-702 SB-703/SB-704
CA-701	15760	AB-701/AB-702
CA-702	15770	AB-450*
* CA-450 charging adaptor required		

ASEPTIC BATTERIES

	Model	Description	Order Code	Voltage NiMH	Capacity mAh
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SMALL BATTERY

	AB-450	Battery pack	14510	10.8	1000
	AH-700	Aseptic housing	16140	-	-
	AS-700	Aseptic shield	16150	-	-

The simple aseptic battery techniques ensure optimal battery condition is maintained for longer.

MEDIUM BATTERY

	AB-701	Battery pack	15340	10.8	1950
	AH-701	Aseptic housing	15670	-	-
	AS-701	Aseptic shield	15890	-	-

Loading and replacing an aseptic battery pack



Sterile nurse places sterile shield onto the battery housing.



With sterile nurse holding handpiece, circulating nurse places battery through shield into the battery housing.



With sterile nurse holding handpiece, circulating nurse removes sterile shield from battery housing.

LARGE BATTERY

	AB-702	Battery pack	15350	14.4	1950
	AH-702	Aseptic housing	15680	-	-
	AS-702	Aseptic shield	15900	-	-



Sterile nurse closes lid, taking care not to touch non sterile battery, and locks by turning housing lock fully clockwise.



Once locked, the green 'locked' indicator is fully visible through slot in the locking catch.





STERILE BATTERIES

Why choose Lithium Ion battery technology

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

Key advantages are:

- Li-Ion technology improves battery 'capacity to weight' ratio by around 100% when compared to NiMH or NiCd chemistries.
- Significantly extends the useable run time of the power tool.
- Offers prolonged shelf life of a charged battery, whilst eliminating 'memory effect' normally associated with other battery types.
- De Soutter Li-Ion technology readily withstands repeated machine washing and autoclaving.
- Unique **fuel gauge** incorporated within De Soutter Li-Ion batteries allows the surgical team to instantly assess the battery capacity - both before and during use.

	Model	Description	Order Code	Voltage	Capacity mAh
LITHIUM ION STERILE BATTERIES - withstand full cycle autoclaving					
	SB-703	Small battery	16920	13.2	1100
	SB-704	Large battery	16930	13.2	2500
CONVENTIONAL NiMH STERILE BATTERIES - only withstand flash sterilisation					
	SB-701	Medium battery	15870	10.8	1950
	SB-702	Large battery	15880	14.4	1950



BC-700 Battery charger shown with sterile batteries.



DPC AIR STERNUM SAW

The 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
Reciprocating saw
handpiece

DPX-170
Oscillating saw handpiece



Air inlet washing cap.
Prevents water entering
handpiece during washing
prior to autoclaving



Part No. 9950
for DPC-470
Part No. 608073
for DPX-170

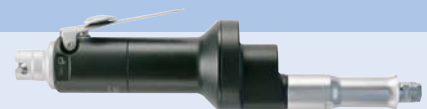
See back page for range of reciprocating and oscillating saw blades.

HANDPIECE SPECIFICATIONS

Model	Order Code	Speed	Stroke	Operating pressure	Sternum guard
DPC-470	226614	0 - 16000 cpm	3.7 mm	6 - 7 bar	Order Code. 16490

Quote Handpiece Order Code and Sternum Guard Order Code when ordering.

Model	Order Code	Speed	Oscillating arc	Operating pressure
DPX-170	223224	13000 opm	6°	6 - 7 bar







AIR HOSES



The Wash Assist co-axial 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	Model	3 metre hose - Part No.	4 metre hose - Part No.	5 metre hose - Part No.
	MA7 Schrader	DPC-470	13300	13400	13500
		DPX-170	13000	13100	13200
	AO	DPC-470	13310	13410	13510
		DPX-170	13010	13110	13210
	Draeger	DPC-470	13330	13430	13530
		DPX-170	13030	13130	13230
	AGA Inst.	DPC-470	13320	13420	13520
		DPX-170	13020	13120	13220

Other probe connectors are available on request.

STERILISATION CONTAINERS



Container for DBC-470

Container and insert tray Order Code 17140
 Insert tray only Order Code 17150

Container for DPC-470

Container and insert tray Order Code 17160
 Insert tray only Order Code 17170

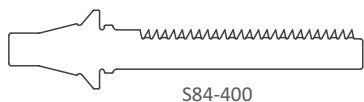
Container for DPX-170

Container and insert tray Order Code 9350
 Insert tray/silicone mat Order Code 631343/616153

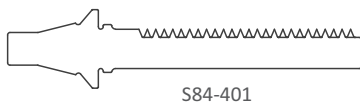
Container, lid and insert tray are stainless steel.

SAW BLADES

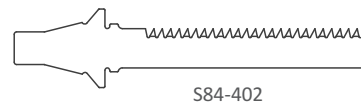
RECIPROCATING BLADES FOR DBC-470 AND DPC-470



S84-400



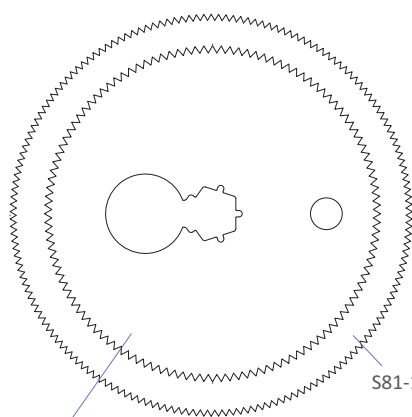
S84-401



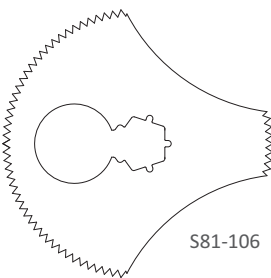
S84-402

Blade Part No.	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

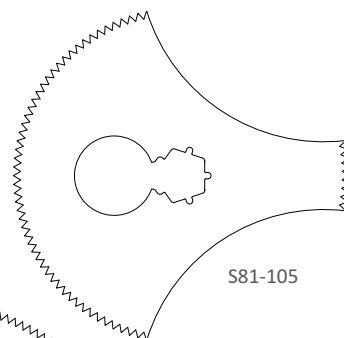
OSCILLATING BLADES FOR DPX-170



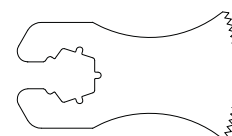
S81-101



S81-106

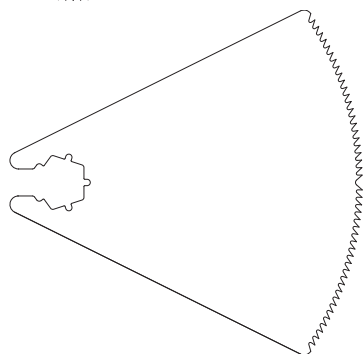


S81-105

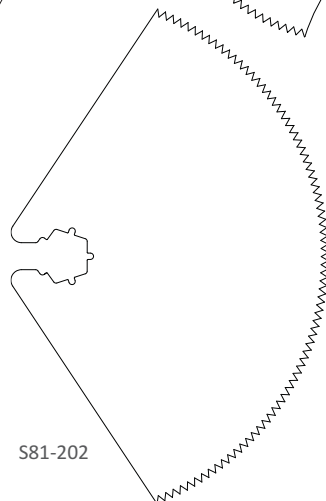


S81-107

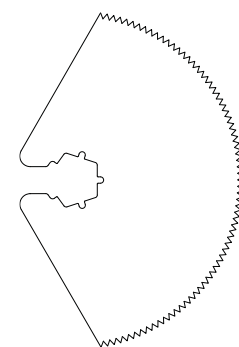
S81-102



S81-200



S81-202



S81-201

Blade Part No.	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
S81-101	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)	43 mm	57 mm
S81-201	0.5 mm	1.0 mm	1.3 mm (20 TPI)	18 mm	32 mm
S81-202	0.5 mm	1.0 mm	1.6 mm (16 TPI)	36 mm	50 mm

203-EN-2