



powered instruments

... for precision small bone surgery



deSouther
MEDICAL

EPV-220

Air operated handpiece
with rotary bur attachment



ECV-220

Corded electric handpiece
with sagittal saw attachment

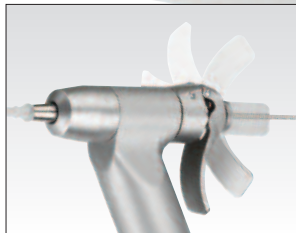


ECV-221

Corded electric handpiece
with angled wire drive
attachment





EPV-220 and ECV-220
operating lever
extends for optional
finger positioning.



Fully adjustable
lever rotates
offering improved
usability and
ergonomics.



HANDPIECE SPECIFICATIONS

Corded electric drive

Control method	Type code	Order code	Speed	Power supply	
Lever	ECV-220	1284334	0 - 35000 rpm	4 metre cable from power supply	
Foot pedal	ECV-221	1284224	0 - 35000 rpm	4 metre cable from power supply	















See page 5 for PC-450 power supply and PC-451 irrigation power supply. See page 7 for irrigation hose kit.

Air operated

Control method	Type code	Order code	Speed	Air supply operating pressure	
Lever	EPV-220	226444	0 - 35000 rpm	6 - 7 bar	
Foot pedal	EPV-221	226454	0 - 35000 rpm	6 - 7 bar	

See page 6 for IPV-220 irrigation system. See page 10 for 'Wash Assist' air hose system.

ERGOPLUS™ MODULAR ATTACHMENTS

	Order code	Chuck description	Model	Speed rpm
DRILL ATTACHMENTS				
	14560	0 - 4.0 mm (5/32") Jacobs chuck	DV-220	0 - 1300
	15950	High speed 0 - 4.0 mm (5/32") Jacobs chuck	DV-225	0 - 5000
	15960	High speed drill A.O. chuck	DV-225	0 - 5000
	12790	Offset A.O. chuck Cannulation diameter 2.2 mm	DV-220	0 - 1500
	14250	Offset 0 - 4.0 mm (5/32") Jacobs chuck Cannulation diameter 2.2 mm	DV-220	0 - 1300
ROTARY BUR ATTACHMENTS				
	14620	Quick release to ISO 6360	QV-220	0 - 5000
	12780	Accepts all 2.38 mm (3/32") burs Uses R Series burs	BV-220	0 - 35000
		 Long bur guard Order code 14810  Extra long bur guard Order code 14820		
	17320	Metal cutter Accepts metal cutter 17460	BV-228	0 - 17500
	14590	E- Fitting adaptor Used with AV-220 angle rotary bur	EV-220	0 - 35000
	14540	20° Contra-angle rotary bur 1:1 Used with E-fitting adaptor 14590	AV-221	0 - 35000
	9770	Standard length 20° rotary bur 1:1	AV-220	0 - 35000
	9780	Extended length 20° rotary bur 1:1 Used with E-fitting adaptor 14590 Accepts 2.38mm (3/32") R Series burs	AV-220	0 - 35000
	14600	E-fitting adaptor for Dermatome Used with head GD-113	GV-220	0 - 15000
RECIPROCATING SAW ATTACHMENT				
	14550	2.5 mm stroke Uses S92 Series saw blades	CV-220	0 - 17000 cycles/min
SAGITTAL SAW ATTACHMENTS				
	14570	Micro sagittal saw - 4° oscillating arc Uses S86 Series saw blades	MV-220	0 - 28000 cycles/min
	14610	4.5° oscillating arc Uses S85 Series saw blades	SV-220	0 - 28000 cycles/min
	14790	Sagittal saw - quick release Uses S88 Series saw blades	NV-220	0 - 28000 cycles/min
OSCILLATING SAW ATTACHMENT				
	14580	Wrenchless blade chucking Uses S86 Series saw blades	OV-220	0 - 22000 cycles/min
WIRE DRIVER ATTACHMENT				
	17010	Angled wire driver Cannulation 0.6 - 1.6 mm	WV-220	0 - 1200

Ask for Stericut® catalogue for range of sterile packed saw blades, drill bits, rotary burs and K-wires.

MULTIDRIVE™ MODULAR HANDPIECES

MPZ-450

Air operated handpiece with sagittal saw attachment

MCZ-450

Corded electric handpiece with quick release drill attachment



MPZ Handpiece wash cap
Order code 9950



MPZ-451 for foot pedal operation

HANDPIECE SPECIFICATIONS

Corded electric drive

Control method	Type code	Order code	Speed	Cannulation	Power supply
Trigger	MCZ-450	1284004	0 - 1100 rpm	4.1 mm	4 metre cable from power supply














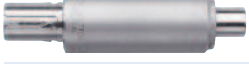

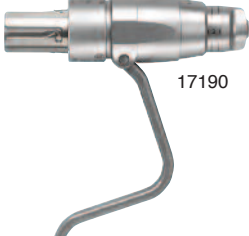


See page 5 for PC-450 power supply.

Air operated

Control method	Type code	Order code	Speed	Cannulation	Air supply operating pressure
Trigger	MPZ-450	226414	0 - 1100 rpm	4.1 mm	6 - 7 bar
Foot pedal	MPZ-451	226424	0 - 1100 rpm	4.1 mm	6 - 7 bar

See page 10 for 'Wash Assist' air hose system.

MULTIDRIVE™ MODULAR ATTACHMENTS

	Order code	Chuck description	Model	Speed rpm	Cannulation mm
DRILL ATTACHMENTS					
	14110	0 - 4.0 mm (5/32") Jacobs chuck	DZ-450	0 - 1100	3.1
	14240	0 - 6.35 mm (1/4") Jacobs chuck	DZ-450	0 - 1100	4.1
	14130	0 - 3.2 mm (1/8") Jacobs chuck	DZ-450	0 - 1100	2.4
	14120	0 - 6.0 mm (1/4") Jacobs chuck	DZ-450	0 - 1100	4.1
QUICK RELEASE DRILL ATTACHMENTS					
	14140	A.O. Synthes™/ASIF	DZ-450	0 - 1100	2.0
	15040	Hudson/Zimmer combi	DZ-450	0 - 1100	4.1
	15050	Trinkle	DZ-450	0 - 1100	4.1
	15800	Medium speed drill ISO 6360 QR	QZ-450	0 - 7000	-
HIGH SPEED BUR					
	16900	Accepts all 2.38 mm (3/32") burs Uses R Series burs	BZ-450	0 - 22000	-
		 Long bur guard Order code 14810			
		 Extra long bur guard Order code 14820			
REAMING ATTACHMENTS					
	14160	0 - 6.35 mm (1/4") Jacobs chuck	RZ-450	0 - 300	-
	14150	A.O. Synthes™/ASIF/PROTEK	RZ-450	0 - 300	-
	14170	Hudson/Zimmer	RZ-450	0 - 300	-
SAWING ATTACHMENTS					
	14210	Sagittal saw Uses S85 Series saw blades	SZ-450	0 - 18000 cycles/min	-
	14230	Sagittal saw - quick release Uses S88 Series saw blades	NZ-450	0 - 21000 cycles/min	-
	14220	Reciprocating saw Uses S92 Series saw blades	CZ-450	0 - 8000 cycles/min	-
	15110	Reciprocating saw Uses S22 Series saw blades	CZ-451	0 - 6000 cycles/min	-
RADIOLUCENT ADAPTOR					
	15210	Accepts A.O. radiolucent drill attachment	TZ-450	0 - 1100	-
PULSE LAVAGE ADAPTOR					
	17230	Pulse Lavage attachment Uses P20-7XX Series pump kits	LZ-451	0 - 1100 pulses/min	-
WIRE AND PIN DRIVE ATTACHMENTS					
	17190	Wire/pin driver	WZ-451	0 - 1100	0.7 - 4.0
	14260	Wire driver - gold nose	WZ-450	0 - 1100	0.6 - 1.8
	14270	Pin driver - silver nose	PZ-450	0 - 1100	1.8 - 3.2

Ask for Stericut® catalogue for range of sterile packed saw blades, drill bits, rotary burs and K-wires.

PC-450 & PC-451 POWER SUPPLY UNITS



PC-450
Dual socket
power supply



PC-451
Power supply
with irrigation pump.



4 metre cable used
with MCZ and ECV
handpieces.
Order code 12850

POWER SUPPLY OPTIONS

Model	Description	Order code	For use with model types	Bag capacity
PC-450	Power supply	14970	ECV-220, ECV-221, MCZ-450	-
PC-451	Power supply with irrigation	14980	ECV-220, ECV-221	1 litre (bag not supplied)

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

Input - 230Vac, 120Vac and 100Vac.

- UK Order code: 8290
- Euro Order code: 8300
- US/Canada Order code: 8310
- Australia/New Zealand Order code: 8320
- Swiss Order code: 14700

IRRIGATION PUMP FOR EPV MODELS

IPV-220 IRRIGATION PUMP



Model	Order code	Used with	Maximum bag capacity	Operating features
IPV-220	11560	EPV-220 or EPV-221 via foot pedal	1 litre (bag not supplied)	<ul style="list-style-type: none"> Fully disposable irrigation kits Simple 'clip-on' set-up 4 function settings Variable flow rate Removable pump head for cleaning

Input - 230Vac, 120Vac and 100Vac.

Mains power cord sets - 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
Swiss	Order code: 14700

IPS-220 IRRIGATION PUMP SENSOR

Order code 11570

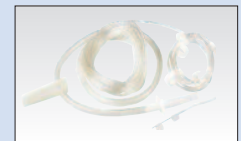
Detects small amounts of air flow in the exhaust to start the pump. Fits simply between the air hose connecting to the EPV-221 and the air supply or Foot pedal FV-221. (See page 7).



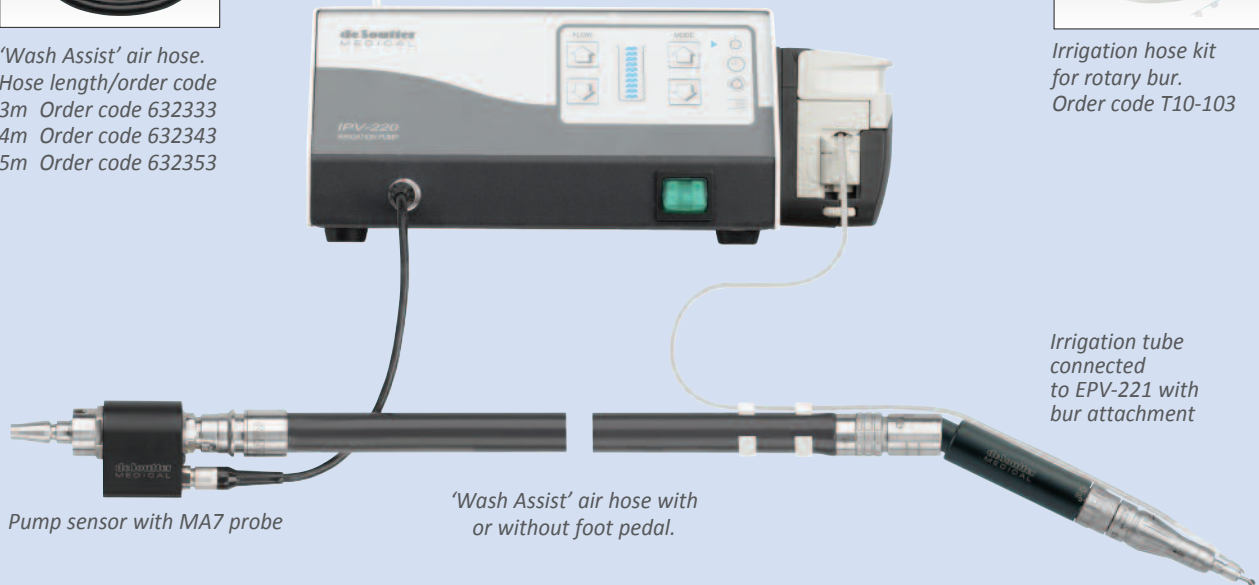
IRRIGATION SYSTEM



'Wash Assist' air hose.
Hose length/order code
3m Order code 632333
4m Order code 632343
5m Order code 632353



Irrigation hose kit
for rotary bur.
Order code T10-103

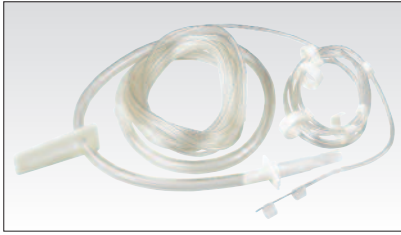


Pump sensor with MA7 probe

'Wash Assist' air hose with
or without foot pedal.

Irrigation tube
connected
to EPV-221 with
bur attachment

IRRIGATION HOSE



Irrigation hose kit for use with ECV-220 and ECV-221 fitted with rotary bur.
Order code T10-100.



ECV-220 fitted with rotary bur and T10-100 hose kit.

Ask for Stericut® catalogue for range of rotary bur.

FOOT CONTROLS

FOOT SWITCH FOR ECV-221

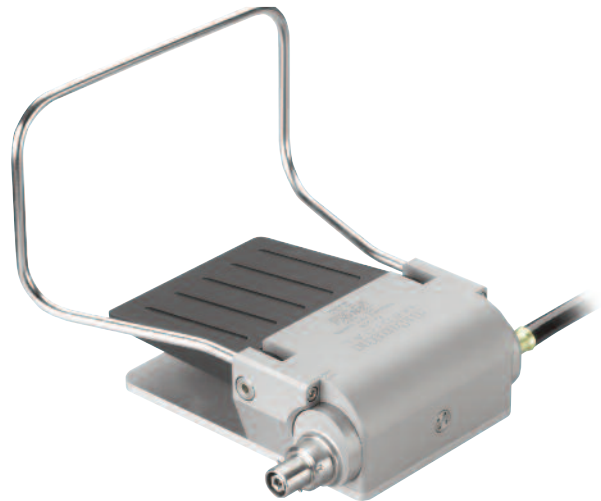
Model	Order code	Operating features
FS-220	12830	<ul style="list-style-type: none"> • Forward, reverse and safe mode selection • A or B power output socket selection • Variable speed selection to ECV-221 via pedal • Foot guard protects against accidental actuation



Used with ECV-221 handpiece controlled through either PC-450 or PC-451 power supply units.

FOOT PEDAL FOR EPV-221 AND MPZ-451

Model	Order code	Foot pedal inlet connection	Foot pedal outlet connection
FV-220	14900	Integral 3 metre supply hose with MA7 probe.	Accepts any MPZ size 'Wash Assist' sub assembly. See below.
FV-221	14910	Accepts Draeger MPZ size 'Wash Assist' hoses with air exhausted at wall fitting.	Accepts any MPZ size 'Wash Assist' air hose sub assembly. See below.
FV-222	15000	Integral 3 metre supply hose with MA7 probe.	MA7 outlet



See page 10 for 'wash assist' air hose system

'Wash Assist' sub-assembly air hose.

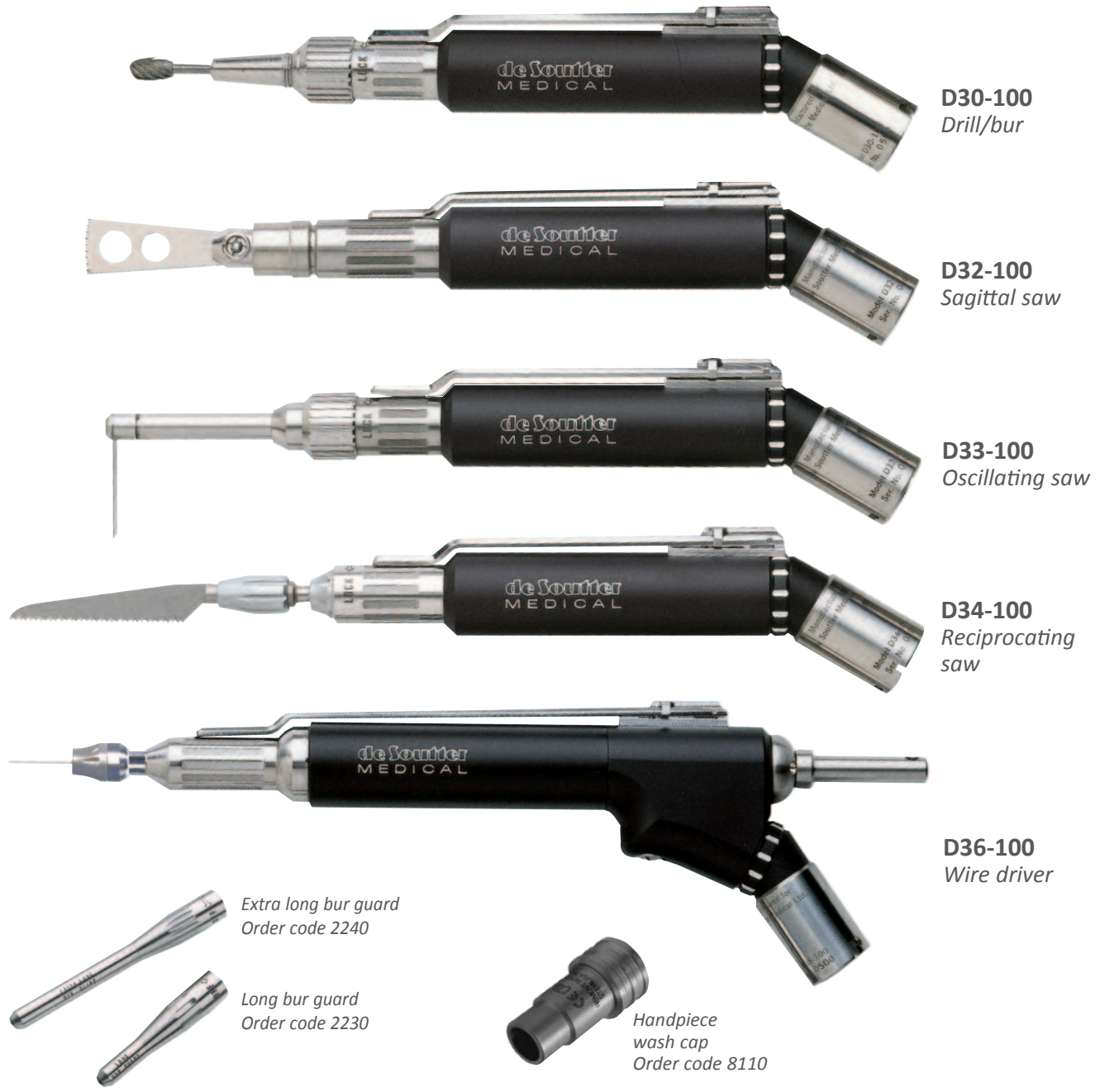
3 metre length - Order code 632333

4 metre length - Order code 632343

5 metre length - Order code 632353



MICRODRIVE™ DEDICATED HANDPIECES



D30-100
Drill/bur

D32-100
Sagittal saw

D33-100
Oscillating saw

D34-100
Reciprocating saw

D36-100
Wire driver

Extra long bur guard
Order code 2240

Long bur guard
Order code 2230

Handpiece wash cap
Order code 8110

AIR OPERATED HANDPIECE SPECIFICATIONS

Function	Type code	Order code	Speed	Wire capacity/cannulation	Air supply operating pressure	Accessories
Drill	D30-100	219664	0 - 30000 rpm	-	6 - 7 bar	Stericut R series burs
Sagittal saw	D32-100	219774	0 - 25000 cycles/min	-	6 - 7 bar	Stericut S92 saw blades
Oscillating saw	D33-100	219884	0 - 25000 cycles/min	-	6 - 7 bar	Stericut S92 saw blades
Reciprocating saw	D34-100	219994	0 - 18000 cycles/min	-	6 - 7 bar	Stericut S92 saw blades
Wire driver	D36-100	226004	0 - 2000 rpm	0.7 - 1.6 mm	6 - 7 bar	Stericut K wires and guides

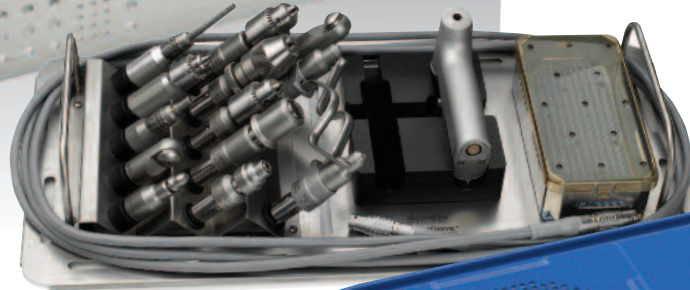
See page 10 for 'Wash Assist' air hose system.

STERILISATION CASES



Standard container

Standard insert tray



Sterile filtered container

STANDARD CONTAINER

Handpiece model	Container and tray Order code	Tray only Order code	Handpieces	Optional tray contents Attachments	Cable/hose
ECV-220 ECV-221 MCZ-450	14390	14410	1 off ECV-220 or ECV-221 1 off MCZ-450	5 off Ergoplus attachments 8 off Multidrive attachments	2-off Cable Order code 12850
EPV-220 EPV-221 MPZ-450 MPZ-451	14390	14410	1 off EPV-220 or EPV-221 1 off MPZ-450 or MPZ-451	5 off Ergoplus attachments 8 off Multidrive attachments	1-off Hose See opposite page for hose options

STERILE FILTERED CONTAINER

Order code	
17410	Will accept tray from standard container chart

All container materials: Aluminium container and aluminium lid.
Size: 538 mm x 254 mm x 142 mm. DIN compatible.

D30 STERILISATION CONTAINER

Order code 7540



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

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 - Order code	4 metre hose - Order code	5 metre hose - Order code
	MA7 Schrader	EPV/MPZ D30 Series	13300 13600	13400 13700	13500 13800
	AO	EPV/MPZ D30 Series	13310 13610	13410 13710	13510 13810
	Draeger	EPV/MPZ D30 Series	13330 13630	13430 13730	13530 13830
	AGA Inst.	EPV/MPZ D30 Series	13320 13620	13420 13720	13520 13830

Other probe connectors are available on request.

STERICUT[®]

Ask for Stericut[®] catalogue sheets for De Soutter Medical's wide range of drills, rotary burs, saw blades and K-Wires.

Stericut[®] disposable precision cutting accessories save time and help cost containment by eliminating the need to clean, sterilise or inspect them for sharpness prior to use.

All accessories are supplied in boxes of five unless otherwise stated.



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

UNITED STATES OF AMERICA
De Soutter Medical USA, Inc.
224 Rolling Hill Road, Suite 12A
 Mooresville, NC 28117
Tel: +1 (704) 655 9040
Fax: +1 (704) 987 2035
Email: usa@de-soutter.com

UNITED KINGDOM (INTERNATIONAL HEAD OFFICE)
De Soutter Medical Limited
Halton Brook Business Park, Weston Road
Aston Clinton, Aylesbury, Bucks HP22 5WF
Tel: +44 (0) 1296 634 000
Fax: +44 (0) 1296 634 033
Email: info@de-soutter.com

AUSTRALIA
De Soutter Medical Australia Pty Ltd
2/12-14 Apollo Drive, Hallam
Victoria 3803
Tel: +61 (0) 3 9702 4441
Fax: +61 (0) 3 9702 4484
Email: australia@de-soutter.com

AUSTRIA
De Soutter Medical Austria
Zweigniederlassung Österreich
Dietrichsteingasse 10, A-3400 Klosterneuburg
Tel: +43 (0) 676 96 71 770
Fax: +43 (0) 2243 21 656
Email: austria@de-soutter.com

BELGIUM
De Soutter Medical Belgium
In De Bruel 30
3620 Lanaken
Tel: +32 (0) 89/47 15 37
Fax: +32 (0) 89/70 12 19
Email: belgium@de-soutter.com

FRANCE
De Soutter Medical France
949 Avenue du Parc des Expositions
33260 La Teste de Buch
Tel: +33 (0) 5 56 54 89 36
Fax: +33 (0) 9 70 61 37 60
Email: france@de-soutter.com

GERMANY
De Soutter Medical Germany
Niederlassung Deutschland, Kladenfloss
D-66625 Nohfelden
Tel: +49 (0) 68 52-99 12 46
Fax: +49 (0) 68 52-99 12 47
Email: deutschland@de-soutter.com

ITALY
De Soutter Medical Italia
Località Fornace SNC
27022 Casorate Primo - PV
Tel: +39 (0) 2 9009 4098
Fax: +39 (0) 2 9009 2673
Email: italy@de-soutter.com

NETHERLANDS
De Soutter Medical Netherlands
Gelderlandhaven 2X
3433 PG Nieuwegein
Nederland
Email: netherlands@de-soutter.com

www.de-soutter.com