

**deSouther**  
MEDICAL



**osteodrive<sup>®</sup> //**

SIMPLICITY, CONTROL & PRECISION

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





# osteodrive® //

The osteodrive® // electric small bone range has been designed to provide seamless system intelligence and unrivalled customisable instrument performance.

The osteodrive® // unique attachment recognition simplifies user operation.

Improved hand piece balance and size.

Intelligent irrigation recognition allows easy set up, and unique magnetic nozzle mounts provide stable yet flexible use.



# MCI MODULAR HANDPIECES

The De Soutter Medical osteodrive® // is a versatile modular electric instrument system for small bone surgery. The handpieces are powered by a high performance, dual socket power supply providing greater surgical control and precision.



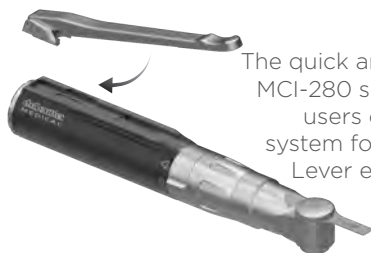
DCS-280  
Dedicated sagittal saw



MCI-281  
With rotary bur and detachable lever



MCI-280  
With wire driver attachment



The quick and simple lever fitting for MCI-280 series handpieces ensures users can quickly assemble the system for any mode of operation. Lever extends for optimal finger positioning.




























Lever control  
Order code 20680

Model	Handpiece	Order code	Speed
MCI-280	Modular straight case	1294664	0 - 35,000 rpm
MCI-281	Modular high speed straight case	1294774	0 - 65,000 rpm
DCS-280	Dedicated Sagittal Saw	1294884	0 - 27,000 cpm



Foot pedal, minigrip™ or lever control. Power supply Via 4 metre cordset

# MCI DRIVES AND ATTACHMENTS

	Order code	Model	Description	Speed rpm
<b>DRILL ATTACHMENTS</b>				
	20690	DI-280	0.5 - 4.0 mm (5/32") Keyed	0 - 1450
	20700	DI-280	Inline A.O.	0 - 1450
	20710	DI-280	Offset A.O. 2.2 mm cannulation	0 - 1500
	20720	DI-280	Offset Jacobs (5/32")	0 - 1500
	20730	QI-280	Medium speed drill ISO 1797 Type1	0 - 5000
<b>BURS</b>				
	20740	BI-280	Uses De Soutter Medical R Series burs	0 - 35000
	20750	BI-287	Low Speed Bur. Uses R Series burs (BI-2xx supplied with 19470 attachment holder)	0 - 9000
	21120	-	Standard bur guard	-
	21130	-	Long bur guard	-
	21140	-	Extra long bur guard	-
<b>HIGH SPEED BURS</b>				
	20630	BI-281	High speed Bur - Uses Heka series burs	0 - 65,000
	20670	-	Standard bur guard 70mm - Uses C07 burs	-
	20660	-	Long bur guard 100mm - Uses C10 burs	-
	20460	-	Bur guard Metal Cutter - Uses D06 burs	-
<b>ROTARY BURS</b>				
	18480	EI-270	E-Drive	0 - 35000
	14940	AV-221	20° Contra-angle rotary bur 1:1*	-
	9770	AV-220	Standard length 20° rotary bur 1:1*	-
	9780	AV-220	Extended length 20° rotary bur 1:1* *Used with E-Drive. Uses 2.35mm R Series burs	-
<b>SAWING ATTACHMENTS</b>				
	20550	SI-280	Mini sagittal saw - Uses S86 saw blades	0 - 27000
	20760	NI-280	Large sagittal saw - Uses S88-1XX saw blades	0 - 22000
	20770	CI-280	Small reciprocating saw - Uses S83 saw blades	0 - 16000
	20780	OI-280	Oscillating saw - Uses S86 type blades	0 - 22000
	20790	OI-281	Oscillating saw - Uses S86-9XXX type blades	0 - 20000
<b>WIRE DRIVERS</b>				
	20800	WI-280	Angled wire driver Capacity 0.6 - 1.6 mm	0 - 1450
	20810	WI-281	In-line wire driver Capacity 0.6 - 1.6 mm	0 - 1450

Ask for Stericut® catalogue 2667 for our range of sterile packed saw blades, drill bits, and K wires and rotary bur catalogue 2677.



# MCI minigrip™

The De Soutter Medical osteodrive® // minigrip™ is our latest innovation for the osteodrive® // system. With its small scale, surgeons can now simply switch between pencil and pistol grip control, offering the benefits of precise and dexterous control whilst not compromising on performance. The miniature handpiece fits in the palm of the hand perfectly, making it ideally suited for difficult to access surgeries.



*Simply “click in”  
any combination  
of our pencil grip  
handpieces*

Order code 20650

Works with MCI-280, MCI-281 and DCS-280



# minigrip™

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The osteodrive®// minigrip™ is a unique offering from De Soutter Medical which enhances the flexibility and ease of use of the system.

## Adaptable

The minigrip™ can be used with all 280 series handpieces - both dedicated and modular types.

Pencil grip tools can quickly and easily convert from footswitch to lever control, to pistol grip and back again.



## Ergonomics

A compact alternative to a traditional pistol grip tool. The ergonomics work particularly well for extremity surgery, where precision control of the tool is required and trigger control is preferable.

## Compact

Perfect for precise wiring procedures when levers can at times hinder access.

## Load & Click

Simply load the handpiece on the minigrip™ handle until a click is heard. The tool is now ready to use, with the same functionality of a traditional pistol grip tool.



# MCU MODULAR HANDPIECES



MCU-480  
With quick  
release  
drill attachment






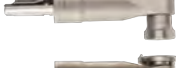


MCU-480  
With quick  
release  
sagittal saw  
attachment

Handpiece	Order code	Speed	Cannulation	Power supply
MCU-480	1295004	0 - 1350 rpm	4.2 mm	Via 4 metre cordset





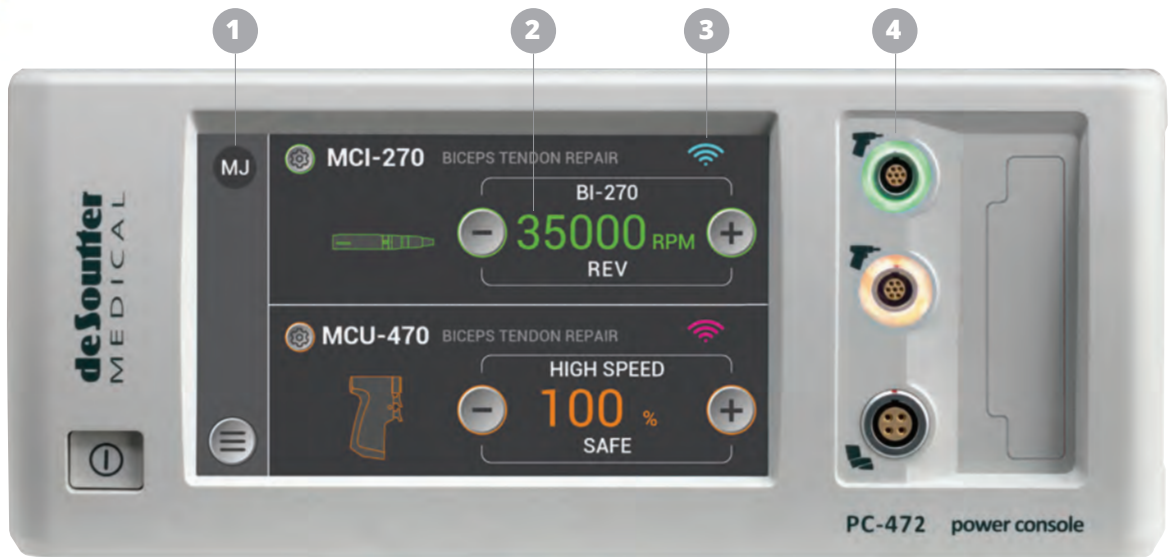
# MCU DRIVES AND ATTACHMENTS

	Order code	Model	Chuck description	Speed rpm	Cannulation Ø mm
<b>DRILL ATTACHMENTS</b>					
	20820	DU-480	0.5 - 4.0 mm (5/32") Keyed	0 - 1350	4.1
	20830	DU-480	0.5 - 7.4 mm (1/4") Keyed	0 - 1350	4.2
	20840	DU-480	0.3 - 3.0 mm (1/8") Keyless	0 - 1350	3.0
	20850	DU-480	0.3 - 7.4 mm (1/4") Keyless	0 - 1350	4.2
<b>QUICK RELEASE DRILLING ATTACHMENTS</b>					
	20860	DU-480	A.O. Synthes/ASIF	0 - 1350	2.5
	20870	DU-480	Hudson/Zimmer	0 - 1350	4.2
	20900	QU-480	Medium speed drill ISO 1797 Type 1	0 - 4500	-
<b>HIGH SPEED BUR</b>					
	20980	BU-480	High speed bur - Uses R Series burs	0 - 27000	-
			Standard bur guard Order code 21120		
			Long bur guard Order code 21130		
			Extra long bur guard Order code 21140		
<b>REAMING ATTACHMENTS</b>					
	20920	RU-480	A.O. Synthes	0 - 350	4.2
	20930	RU-480	Hudson/Zimmer	0 - 350	4.2
	20960	RU-480	DHS/DCS	0 - 350	4.2
<b>HIGH TORQUE REAMER</b>					
	20610	HU-480	High Torque Reamer DHS/DCS	0 - 285	4.2
<b>SAWING ATTACHMENTS</b>				cpm	
	20570	SU-480	Button release sagittal saw (non rotating) Uses S86 type blades	0 - 22000	-
	20620	SU-481	Button release sagittal saw (rotating) Uses S86 type blades	0 - 22000	-
	20990	NU-480	Quick release sagittal saw Uses S88-1XX blades	0 - 20500	-
	21010	NU-482	High speed sagittal saw (gold) Uses S88-1XX blades	0 - 24300	-
	21000	NU-481	Quick release sagittal saw Uses S88-1XX & S88-4XX blades	0 - 15000	-
	20580	CU-480	Reciprocating saw Uses S83 type blades	0 - 14000	-
	20300	OU-480	Oscillating saw Uses S86-9xxx type blades	0 - 20000	-
<b>WIRE/PIN DRIVERS</b>					
	21060	WU-481	0.7 - 4.0 mm capacity	0 - 1350	4.0
	21050	WU-480	0.6 - 1.8 mm capacity	0 - 1350	1.8
	21070	PU-480	1.8 - 3.2 mm capacity	0 - 1350	3.2

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## POWER CONSOLES

The osteodrive® // power console range provides a step change in performance for the end user



- Simultaneous dual handpiece operation.
- Compatible with a range of systems already on-site, ensuring cost containment and reducing the need for multiple power sources.
- On-site upgrades are easily and quickly performed using the USB port
- Audible safety mode.



### 1 Customisable

200+ user profiles can be stored and are easily accessed  
Multi language options



### 2 Tailored Performance

Adjustable acceleration, braking and torque allows precise user control for every specific case



### 3 Ease of use




Wireless foot pedal control ensures efficient operation  
Large 7" colour touch screen



### 4 Intuitive design

Ports illuminate to clearly indicate tool status to all OR staff  
Attachment recognition communicates tool status

# POWER CONSOLES

	Model	Description	Order code
	PC-472	Advanced power console with irrigation * Bag support sold separately	19090 12940
	PC-471	Advanced power console	19080
	PC-470	Basic 'plug & play' power console	18050



4 metre cable for connecting handpiece to Power Console  
Order code 18570

Mains power cordsets - 3 metres long.  
Options include -

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

## FS-27X FOOT PEDALS

With three options of foot pedal, every function is available from wireless control to full capability across our small bone power range.

Description	Model	Order code
Foot pedal - wired	FS-270	18580
Foot pedal - wireless	FS-271	18600
Foot pedal - wired *	FS-272	19910

\* For use with De Soutter Medical hekaDrill range.

Charger for wireless foot pedal  
Order code 19180



FS-270  
Wired



FS-271  
Wireless



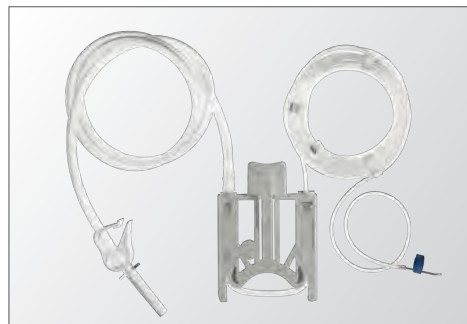


The PC-472 provides total versatility for the osteodrive® // range.  
 A simple front loading irrigation cassette with integrated RFID identification technology guarantees optimal set up on every occasion, avoiding the need for complex set up routines.



MCI-280 with T20-102 irrigation kit

T20-1xx Irrigation Kits used with PC-472. Insert the cassette into the slot and the in-built RFID chip provides information to the PC-472 on the type of irrigation kit in use.



Irrigation tubing can be quickly and easily fitted into 'snap fit' tubing grooves either side of the MCI-280 series handpiece. The secure design stops tubing accidentally being pulled off or moved during surgery.



# IRRIGATION SYSTEM

## T20 BUR IRRIGATION KITS

Three easy fit irrigation kits are available to fit all MCI attachment types.

De Soutter Medical's unique general purpose magnetic T20-100 nozzle design provides stable yet flexible use. The magnetised adjustable wings will attach firmly to any attachment type ensuring total flexibility and precision of fluid delivery.

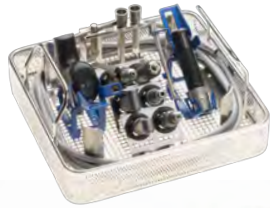
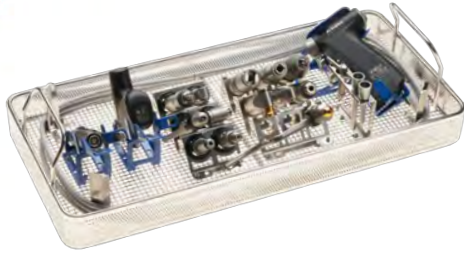
Repositioning of the nozzle is quick and easy due to the ingenious design and properties of the flexible magnetic wings.



## EASY FIT IRRIGATION KITS

	Order code	Description
	T20-100*	<p><b>General Purpose</b></p> <p>Flexible, magnetic wings ping securely into place, wrapping around the attachment.</p> <p>For use with MCI attachments</p>
<i>*T20-170 individual irrigation nozzle (without tubing)</i>		
	T20-101	<p><b>Metal Cutting</b></p> <p>Nozzle simply clicks into place, with a transparent hood shielding the cutting accessory.</p> <p>For use with BI-281 attachment and 20460 bur guard</p>
	T20-102	<p><b>Orthopaedic Burs</b></p> <p>Simply snaps into place.</p> <p>For use with with all MCI-280 2.38mm bur guards</p>

## STERILISATION TRAYS AND CONTAINERS



### STANDARD WIRE CONTAINER STERILISATION SYSTEM

Set up - optional tray contents	Container and insert tray Order code	Insert tray only Order code
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2 off 28X handpieces/minigrip™ 1 off MCU-480 handpiece 6 off MCI-280 attachments 9 off MCU-480 attachments 2 off connection cables	21090	21080
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### HALF SIZE STERILISATION SYSTEM

2 off 28X handpieces/minigrip™ 6 off MCI-280 attachments 1 off connection cable	21110	21100
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### 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

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



PTFE filter cassette  
Order code 671073





osteodrive® //

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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.