

Powered Instruments
for small bone surgery



deSouther
MEDICAL

powered instruments for small bone surgery



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The new De Soutter Medical Small Bone range sets the standard for precision small bone surgery. High power to weight ratio, superb ergonomic design and a comprehensive range of quick change attachments, make these systems effortless to use.

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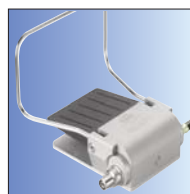
Corded electric

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All products in this catalogue are supported by the De Soutter Medical fully comprehensive warranty. All instruments shown in this catalogue are CE marked.

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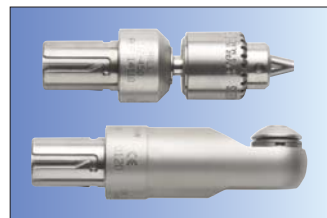
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MCZ MultiDrive™

Modular - corded electric - pistol grip



MCZ-450 Handpiece
fitted with quick release
drill attachment.



See page 10 for full range of
drilling, reaming, sawing and wire
driving attachments.



Sterilisation Case - Order code 14390
Accommodates MCZ and ECV handpieces, cable
and most popular attachments.



Simple push-in/pull-out
cable connection.



Wash cap
for handpiece cable.
Order code 639463.

MCZ-450 HANDPIECE SPECIFICATION

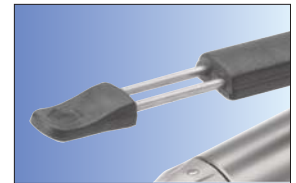
| Type | Order code | Speed | Cannulation | Power supply |
|-----------------|------------|--------------|-------------|---|
| Trigger control | 1284004 | 0 - 1100 rpm | 4.1 mm | 4 m cable from PC-450 or PC-451 power supply. See pages 4 and 5 for these options. |



ECV ErgoPlus™

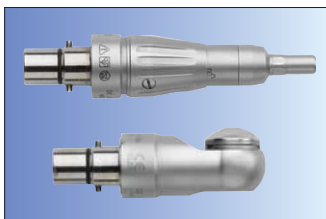
Modular - corded electric - straight case

ECV-220 Handpiece
Lever control. Fitted with sagittal saw attachment.



Lever extends for optional finger positioning.

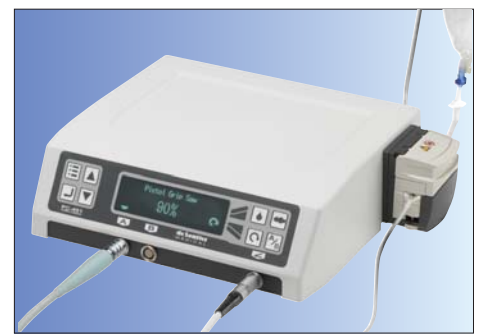
ECV-221 Handpiece
Foot pedal control. Fitted with rotary bur attachment.



See page 11 for full range of drilling and sawing attachments.



FS-220 Foot switch.
For use with ECV-221.
See page 5 for details.



PC-451 power supply with irrigation.
Also available without irrigation (PC-450).
See pages 4 and 5 for options

ECV HANDPIECE SPECIFICATION

| Control type | Type code | Order code | Speed | Power supply |
|---------------|-----------|------------|---------------|---------------------------------|
| Lever control | 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 |



PowerSupply

PC-450 Power supply unit and specification

PC-450 POWER SUPPLY



PC-450 AND PC-451 SPECIFICATION

PC-450 Order code 14970

PC-451 Order code 14980

Input - 230Vac, 120Vac and 100Vac

Mains power cord sets - 3m long

UK Order code 8290

Euro Order code 8300

US/Canada Order code 8310

Australia/N. Zealand Order code 8320

Swiss Order code 14700

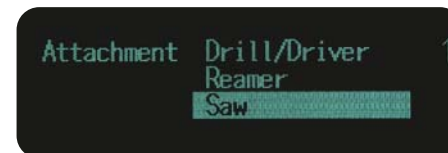
Please specify option required



Handpiece cable for use with MCZ and ECV - 4 m long
Order code 12850

- Dual output sockets enable two handpieces to be connected and used simultaneously.
- Handpiece settings and functions can be programmed into power supply and saved under "user setting" for future use.
- Independantly programmable triggers allow the user to optimise trigger function.
- Clear display shows speed, direction and other menu driven instrument settings.
- Up to five user settings with five programmes per setting.
- Forward, reverse mode in drilling, oscillating, tapping and screwing available from handpiece trigger or power supply settings.
- Small footprint 310 mm x 290 mm.

Typical fuction programming sequence for MCZ with reciprocating saw attachment



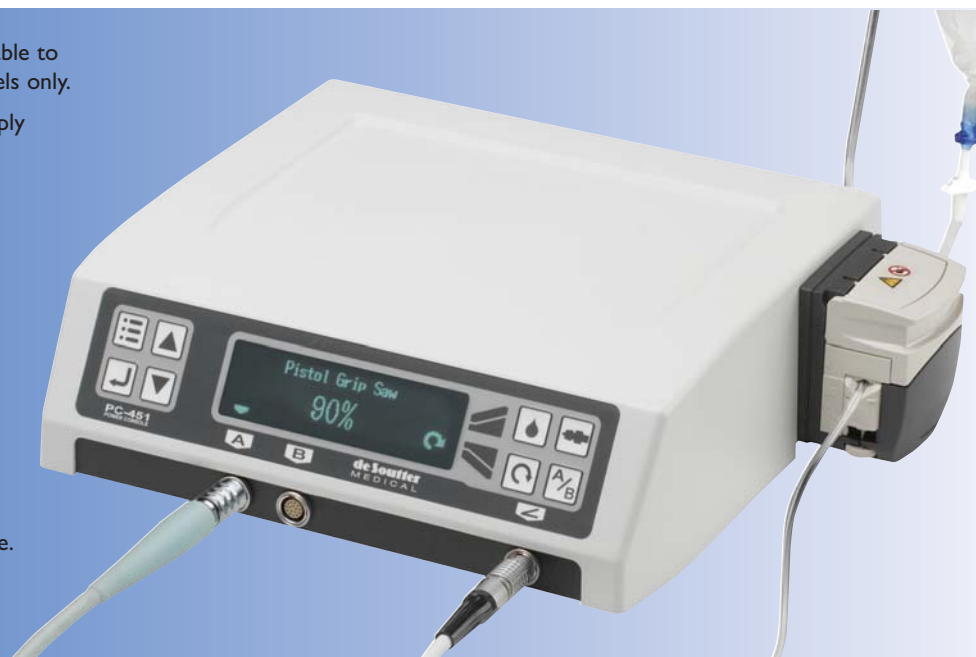
PC-45I power supply and foot switch

PC-45I POWER SUPPLY WITH IRRIGATION

Irrigation pump facility available to ECV-220 and ECV-221 models only.

See opposite for Power Supply specifications and standard programming features.

Maximum bag capacity 1 litre.
Bag not supplied.



IRRIGATION HOSE



Irrigation hose kit for rotary bur
Order code T10-100



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

FOOT SWITCH

FS-220 foot switch

Order code 12830

Used with ECV-221 handpiece controlled through either PC-450 or PC-45I power supply unit.

FS-220 features -

- 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.



MPZ MultiDrive™

Modular - air operated pistol grip

MPZ-450 Handpiece
Fitted with quick release
drill attachment



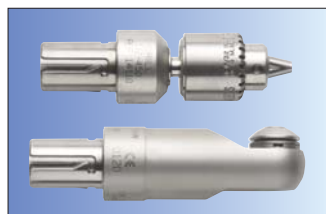
MPZ-451 Handpiece
Fitted with sagittal saw
attachment



Sterilisation Case - Order code 14390
Accommodates MPZ and EPV handpieces,
hose and their most popular attachments



Handpiece Wash Cap
for MPZ and EPV.
Order code 9950



See page 10 for full range of
drilling, reaming and sawing and
wire driving attachments.

HANDPIECE SPECIFICATION

| Type | Type code | Order code | Speed | Cannulation | Operating pressure |
|-----------------|-----------|------------|--------------|-------------|--------------------|
| Trigger control | MPZ-450 | 226414 | 0 - 1100 rpm | 4.1 mm | 6 - 7 bar |
| Foot control | MPZ-451 | 226424 | 0 - 1100 rpm | 4.1 mm | 6 - 7 bar |

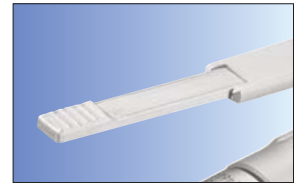


'Wash Assist' air hose system. See page 13 for details.

EPV ErgoPlus™

Modular - air operated - pencil grip

EPV-220 Handpiece
Lever control. Fitted with sagittal saw attachment

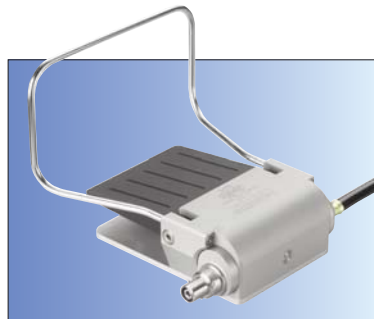


Lever extends for optional finger positioning.

EPV-221 Handpiece
Foot control. Fitted with bur chuck attachment



See page 11 for full range of drilling and sawing attachments.



FV Series foot pedal.
See below for options.



IPV-220 Irrigation pump.
Allows selection of 4 function settings and flow level adjustment. See page 8.

HANDPIECE SPECIFICATION

| Type | Type code | Order code | Speed | Operating pressure |
|---------------|-----------|------------|---------------|--------------------|
| Lever control | EPV-220 | 226444 | 0 - 35000 rpm | 6 - 7 bar |
| Foot control | EPV-221 | 226454 | 0 - 35000 rpm | 6 - 7 bar |



FOOT PEDAL SPECIFICATION

| Model | Type code | Foot pedal features - inlet connection | Foot pedal features - outlet connection |
|--------|-----------|--|--|
| FV-220 | 14900 | Integral 3 metre supply hose with MA7 probe. | Accepts any MPZ size 'Wash Assist' air hose sub assembly - see page 8. |
| FV-221 | 14910 | Accepts Draeger MPZ size 'Wash Assist' hoses with air being exhausted at wall fitting. | Accepts any MPZ size 'Wash Assist' air hose sub assembly - see page 8. |
| FV-222 | 15000 | Integral 3 metre supply hose with MA7 hose. | MA7 outlet. |

'Wash Assist' air hose system. See page 13 for details.

Irrigation Pump

Irrigation pump and sensor

IPV-220 IRRIGATION PUMP



Its design allows the user to quickly and easily select between 4 function settings and adjust flow level.

IPV-220 Order code 11560

Input - 240Vac, 120Vac and 100Vac

Mains power cord sets - 3 m long
 UK Order code 8290
 Euro Order code 8300
 US/Canada Order code 8310
 Australia/N Zealand Order code 8320
 Swiss Order code 14700

- Can be used with EPV-221 through foot switch FV-221, or lever operated EPV-220.
- Fully disposable irrigation kits.
- Simple 'clip-on' set-up.
- 4 function settings.
- Variable flow rate.
- Removeable pump head for cleaning.

Max. bag capacity - 1 litre (bag not supplied)

IPS-220 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 and the air supply or Foot Valve FV-221.



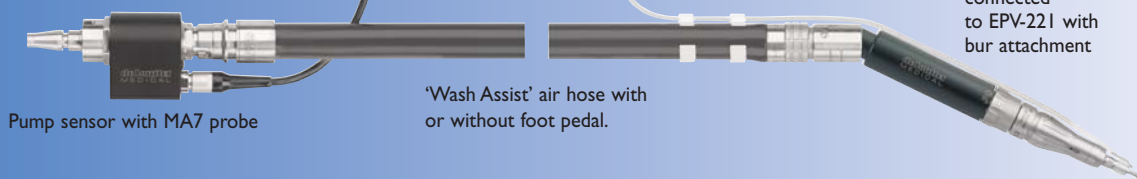
IRRIGATION SYSTEM



'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



Irrigation tube connected to EPV-221 with bur attachment

Pump sensor with MA7 probe

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

D30 MicroDrive™

Dedicated - air operated - straight case



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

Sterilisation Case
Order code 7540
Accommodates powered
instrument, hose and
accessories.




Handpiece
Wash Cap
Order code 8110

SPECIFICATION

| Type | Type code | Order code | Speed | Operating pressure | Accessories |
|-------------------|-----------|------------|-------------------|--------------------|--|
| Drill | D30-100 | 219664 | 0 - 30000 rpm | 6 - 7 bar | See page 12 for Stericut™ R Series burs. |
| Sagittal saw | D32-100 | 219774 | 25000 cycles/min. | 6 - 7 bar | See Stericut™ catalogue for S92 Series saw blades. |
| Oscillating saw | D33-100 | 219884 | 25000 cycles/min. | 6 - 7 bar | See Stericut™ catalogue for S92 Series saw blades. |
| Reciprocating saw | D34-100 | 219994 | 18000 cycles/min. | 6 - 7 bar | See Stericut™ catalogue for S92 Series saw blades. |
| Wire driver | D36-100 | 226004 | 2000 rpm | 6 - 7 bar | See page 12 for Stericut™ K-wires. |


Wash Assist hose system. See page 13 for details.

Modular attachments for MCZ and MPZ handpieces

| | Order code | Chuck Description | Type | Speed rpm | Cannulation mm |
|---|------------|--|--------|---------------------------|----------------|
| Drilling attachments | | | | | |
|  | 14110 | 0 - 4 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") keyless chuck | DZ-450 | 0 - 1100 | 2.4 |
| | 14120 | 0.8 - 6 mm (1/4") keyless chuck | DZ-450 | 0 - 1100 | 4.1 |
| Quick release drilling attachments | | | | | |
|  | 14140 | A.O. Synthes™/ASIF quick release | DZ-450 | 0 - 1100 | 2.0 |
| | 15040 | Hudson/Zimmer combi | DZ-450 | 0 - 1100 | 4.1 |
| | 15050 | Trinkle | DZ-450 | 0 - 1100 | 4.1 |
| Reaming attachments | | | | | |
|  | 14160 | 0 - 6.35 mm (1/4") Jacobs chuck | RZ-450 | 0 - 300 | 4.1 |
|  | 14150 | A.O Synthes/ASIF/PROTEK | RZ-450 | 0 - 300 | 4.1 |
|  | 14170 | Hudson/Zimmer | RZ-450 | 0 - 300 | 4.1 |
| Sawing attachments | | | | | |
|  | 14210 | Sagittal saw Uses S85 Series saw blades ¹⁾ | SZ-450 | 0 - 18000 - cycles/min | |
|  | 14230 | Sagittal saw - quick release Uses S88 Series saw blades ¹⁾ | NZ-450 | 0 - 21000 - cycles/min | |
|  | 14220 | Reciprocating saw Uses S92 Series saw blades ¹⁾ | CZ-450 | 0 - 8000 - cycles/min | |
|  | 15110 | Large Reciprocating saw Uses S22 Series saw blades ¹⁾ | CZ-451 | 0 - 6000 - cycles/min | |
| Pulse Lavage adaptor | | | | | |
|  | 15080 | Accepts P10 Series pump sets See page 12 for pump sets | LZ-450 | 0 1250 - cycles/min | |
| Radiolucent adaptor | | | | | |
|  | 15210 | Accepts A.O. radiolucent drill attachment | TZ-450 | 0 - 1100 - | |
| Wire and pin drivers | | | | | |
|  | 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 |

See page 12 for drill bits and K-wires.
See Accessory Catalogue No. 162 for acetabular reamer shafts and shells.
See page 13 for other chuck drive options.
¹⁾ See Stericut™ catalogue for range of saw blades.

Modular attachments for ECV and EPV handpieces

| | Order code | Chuck Description | Type | Speed rpm |
|--|------------|---|--------|-------------------------|
| Drill attachments | | | | |
|  | 14560 | 0 - 4 mm (5/32") Jacobs chuck | DV-220 | 0 - 1300 |
|  | 12790 | Offset A.O. chuck cannulation diameter 2.2 mm | DV-220 | 0 - 1500 |
| 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 ¹⁾ | BV-220 | 0 - 35000 |
|  Long bur guard Part no. 14810 | | | | |
|  Extra long bur guard Part no. 14820 | | | | |
|  | 14590 | E - fitting adaptor. Used with AV-220 angle rotary bur | EV-220 | 0 - 35000 |
|  | 14940 | Contra-angle 20° angle rotary bur 1:1 Used with E-fitting adaptor 14590 | AV-221 | 0 - 35000 |
|  | 9770 | Standard length 20° angle rotary bur 1:1 | AV-220 | 0 - 35000 |
|  | 9780 | Extended length 20° angle rotary bur 1:1 Used with E-fitting adaptor 14590 Accepts all 2.38mm (3/32") R Series burs ¹⁾ | AV-220 | 0 - 35000 |
|  | 14600 | E - fitting adaptor for dermatome Used with head GD-103. See Catalogue No. 120 | GV-220 | 0 - 15000 |
| Reciprocating saw attachment | | | | |
|  | 14550 | 2.5 mm stroke Uses S92 Series saw blades ¹⁾ | CV-220 | 0 - 17000 cycles/min |
| Sagittal saw attachments | | | | |
|  | 14570 | 4° oscillating arc Uses S86 Series saw blades ¹⁾ | MV-220 | 0 - 33000 cycles/min |
|  | 14610 | 4.5° oscillating arc Uses S85 Series saw blades ¹⁾ | SV-220 | 0 - 33000 cycles/min |
|  | 14790 | Micro sagittal saw - quick release Uses S88 Series saw blades ¹⁾ | NV-220 | 0 - 33000 cycles/min |
| Oscillating saw attachment | | | | |
|  | 14580 | Wrench less blade chucking Uses S86 Series saw blades ¹⁾ | OV-220 | 0 - 22000 cycles/min |

¹⁾ See Stericut™ catalogue for range of rotary burs and saw blades.

Sterile packed consumables

Plain shank drills



| Part No. | Dia. mm | Length mm | Flute length mm | Part No. | Dia. mm | Length mm | Flute length mm |
|----------|---------|-----------|-----------------|----------|---------|-----------|-----------------|
| D50-100 | 1.5 | 70 | 22 | D50-107 | 3.5 | 180 | 50 |
| D50-101 | 2.0 | 85 | 50 | D50-108 | 4.0 | 156 | 50 |
| D50-102 | 2.5 | 95 | 50 | D50-109 | 4.5 | 156 | 50 |
| D50-103 | 2.7 | 85 | 50 | D50-110 | 4.5 | 180 | 50 |
| D50-104 | 3.2 | 130 | 50 | D50-111 | 4.8 | 127 | 50 |
| D50-105 | 3.2 | 180 | 50 | D50-112 | 5.0 | 180 | 50 |
| D50-106 | 3.5 | 95 | 50 | | | | |

A.O. drive drills



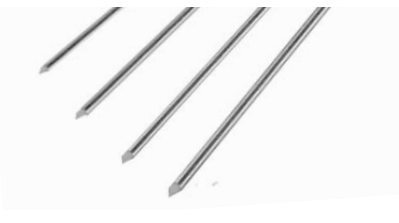
| Part No. | Dia. mm | Length mm | Flute length mm | Part No. | Dia. mm | Length mm | Flute length mm |
|----------|---------|-----------|-----------------|----------|---------|-----------|-----------------|
| D55-100 | 1.1 | 60 | 20 | D55-108 | 2.7 | 125 | 50 |
| D55-101 | 1.5 | 85 | 30 | D55-109 | 3.2 | 145 | 50 |
| D55-102 | 1.5 | 110 | 30 | D55-110 | 3.2 | 195 | 50 |
| D55-103 | 2.0 | 100 | 50 | D55-111 | 3.5 | 110 | 50 |
| D55-104 | 2.0 | 125 | 50 | D55-112 | 3.5 | 195 | 50 |
| D55-105 | 2.5 | 110 | 50 | D55-113 | 4.5 | 145 | 50 |
| D55-106 | 2.5 | 180 | 50 | D55-114 | 4.5 | 195 | 50 |
| D55-107 | 2.7 | 100 | 50 | D55-115 | 6.0 | 195 | 50 |

Rotary Burs



R Series rotary burs.
Ask for Stericut catalogue sheets for De Soutter Medical's wide range of rotary burs.

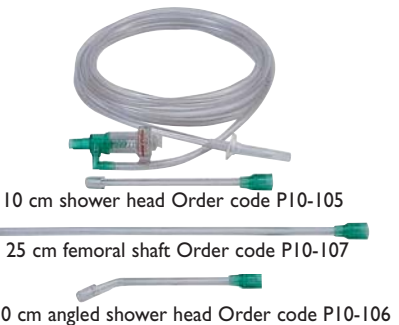
K-wires



| Part No. | Wire length mm | Wire diameter mm | Description |
|-----------|----------------|------------------|----------------------------------|
| K92 range | 75 - 200 | 0.6 - 2.0 | Double Trocar |
| K94 range | 75 - 200 | 0.8 - 2.0 | Single Trocar |
| K95 range | 100 - 230 | 1.5 - 2.8 | Single Trocar partially threaded |

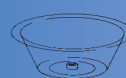
Ask for Stericut™ catalogue sheets for De Soutter Medical's wide range of K-Wires.

Pump sets



| Type | Order code | Nozzle supplied | |
|-------------------|------------|--|---|
| Hip Arthroplasty | P10-101 | 10 cm shower head 25 cm femoral shaft | All sterile packed pump sets, splash shields and nozzles are supplied 5 per box except P10-108 which is supplied 4 per box. |
| Knee Arthroplasty | P10-102 | 10 cm angled shower head | |
| General | P10-100 | 10 cm shower head | |

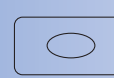
All pump sets are supplied with pump cartridge, 3 metres of tubing and bag spike connector



Splash shield
Order code
P10-108



Splash shield
Order code
P10-103












Splash shield
Order code
P10-104

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.










To ensure sterility, Stericut™ accessories are gamma irradiated (dosage 25kGy) and individually sealed inside a double wrapped Tyvek peel pouch. All accessories are supplied in boxes of five unless otherwise stated.



Drive adaptors and 'Wash Assist' air hoses

| | Input drive | | | Output drive |
|--|-----------------|----------------------|---------------------|--|
| Drive adaptors for use with MPZ and MCZ attachments | | | | |
| | Hudson Part No. | A.O. Reamer Part No. | A.O. Drill Part No. | |
|  | 5440 | 7970 | 11550 | 6.35 mm (1/4") Jacobs chuck 4.0 mm Jacobs Chuck - fits A.O. drill chuck |
| | - | - | 6270 | |
|  | 5450 | 6590 | - | Zimmer chuck |
|  | 5460 | 6550 | - | Harris chuck |
|  | - | 6560 | 11580 | Hudson chuck |
|  | 7910 | 6580 | - | Trinkle chuck |
|  | 5470 | 7980 | - | A.O. Synthes quick release drill chuck |
|  | 5480 | - | - | A.O. Synthes/Protek reamer chuck |
|  | 5490 | 6570 | - | DIN58809 reamer chuck |
|  | 11260 | 7770 | - | DHS |

'Wash-assist' co-axial air hoses

| | | | | | |
|---|--|-----------------|-------------------------|-------------------------|-------------------------|
|  | The Wash Assist co-axial hose system is recommended where machine washing of air hoses is demanded. By releasing the probe end from 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 | Instrument | 3 metre hose - Part no. | 4 metre hose - Part no. | 5 metre hose - Part no. |
|  | MA7 Schrader | EPV, MPZ D30 | 13300 13600 | 13400 13700 | 13500 13800 |
|  | A.O. | EPV, MPZ D30 | 13310 13610 | 13410 13710 | 13510 13810 |
|  | AGA Inst. | EPV, MPZ D30 | 13320 13620 | 13420 13720 | 13520 13820 |
|  | Draeger | EPV, MPZ D30 | 13330 13630 | 13430 13730 | 13530 13830 |
|  | Heyer * | EPV, MPZ D30 | 13340 13640 | 13440 13740 | 13540 13840 |
|  | Air Liquide * | EPV, MPZ D30 | 13350 13650 | 13450 13750 | 13550 13850 |
|  | DIN * | EPV, MPZ D30 | 13360 13660 | 13460 13760 | 13560 13860 |
|  | AGA Air * | EPV, MPZ D30 | 13380 13680 | 13480 13780 | 13580 13880 |
| | Flowtech * | EPV, MPZ D30 | 13370 13670 | 13470 13770 | 13570 13870 |
| | NP05 * | EPV, MPZ D30 | 13390 13690 | 13490 13790 | 13590 13890 |

* Made to special order Replacement rubber strap Part No. 632393

Other products

HST high speed air instrument system for delicate dissection. Comes complete with straight, angled and craniotome attachment heads. Comprehensive range of super sharp, cutters available. Ask for catalogue no. 164.

Battery powered TDZ TraumaDrive™ for small bone and trauma surgery. Contains a wide range of quick change drilling, sawing, reaming and wire/pin driving modular attachments. Ask for catalogue no. 188.

Corded ACZ shaver system for small and large joint arthroscopy. Wide range of angled and straight burs and blades available. Ask for catalogue no. 193.



HST-100



TDZ-450



ACZ-450

