

# ***TRAUMADRIVE™***

TDZ-450 battery instrument system



The De Soutter TDZ TraumaDrive™ is a powerful, modular electric instrument system for small bone and light duty trauma surgery. The handpiece is powered by sterile or aseptic batteries or by a mains power supply via a low voltage corded module.

## TDZ-450 TraumaDrive™ System



### MODULAR ATTACHMENTS

Drilling, reaming, sawing and wire driving.  
See opposite for details.

### TDZ-450 HANDPIECE

Advanced function control provides the following operating features.

- High speed and oscillating drilling.
- Low speed drilling, screwdriving and tapping.
- Torque limiting when screwdriving.
- Forward and reverse triggers.
- Mode selector button with mechanical safety lock.

Order code: 1286004      Speed: 0 - 1100 rpm



### POWER OPTIONS

9.6 Vdc NiMH aseptic battery system.  
10.8 Vdc NiMH aseptic battery system.  
9.6 Vdc NiCd sterile battery.  
10.8 Vdc NiMH sterile battery.  
Corded low voltage module system.

See back page for details.



### STERILISATION CASE

Order code 14930

Accommodates two TDZ-450 handpieces, small and large aseptic battery housings, small and large aseptic shields and seven popular attachments.



# MODULAR ATTACHMENTS

|   | Order code | Chuck Description                | Type   | Speed rpm               | Cannulation mm |
|---|------------|----------------------------------|--------|-------------------------|----------------|
| <b>DRILLING ATTACHMENTS</b>   |            |                                  |        |                         |                |
|    | I4110      | 0 - 4 mm (5/32") Jacobs chuck    | DZ-450 | 0 - 1100                | 3.1            |
|    | I4240      | 0 - 6.35 mm (1/4") Jacobs chuck  | DZ-450 | 0 - 1100                | 4.1            |
|    | I4130      | 0 - 3.2 mm (1/8") keyless chuck  | DZ-450 | 0 - 1100                | 2.4            |
|    | I4120      | 0.8 - 6 mm (1/4") keyless chuck  | DZ-450 | 0 - 1100                | 4.1            |
|    | I4140      | A.O. Synthes™/ASIF quick release | DZ-450 | 0 - 1100                | 2.0            |
| <b>REAMING ATTACHMENTS</b>  |            |                                  |        |                         |                |
|   | I4160      | 0 - 6.35 mm (1/4") Jacobs chuck  | RZ-450 | 0 - 300                 | 4.1            |
|  | I4150      | A.O Synthes/ASIF/PROTEK          | RZ-450 | 0 - 300                 | 4.1            |
|  | I4170      | Hudson/Zimmer                    | RZ-450 | 0 - 300                 | 4.1            |
| <b>SAWING ATTACHMENTS</b>   |            |                                  |        |                         |                |
|  | I4210      | Sagittal saw                     | SZ-450 | 0 - 18000<br>cycles/min | -              |
|  | I4230      | Sagittal saw - quick release     | NZ-450 | 0 - 21000<br>cycles/min | -              |
|  | I4220      | Reciprocating saw                | CZ-450 | 0 - 8000<br>cycles/min  | -              |
| <b>WIRE AND PIN DRIVERS</b>   |            |                                  |        |                         |                |
|  | I4260      | Wire driver - gold nose          | WZ-450 | 0 - 1100                | 0.6 - 1.8      |
|   | I4270      | Pin driver - silver nose         | PZ-450 | 0 - 1100                | 1.8 - 3.2      |

See Stericut™ catalogue for full range of k-wires.

See Accessory Catalogue No. 162 for acetabular reamer shafts and shells.

See Stericut™ catalogue for full range of rotary burs, saw blades.



## ASEPTIC BATTERY SYSTEM

The simple aseptic battery technique ensures the packs are maintained and used in their optimal condition.

Battery management is readily supervised by the theatre staff as the battery charger can be safely placed within the OR.



AB-450  
10.8Vdc NiMH battery  
Capacity 1000 mAh  
Order Code I4510

AH-450  
Aseptic Housing  
Order Code I4520



AS-450  
Sterile Shield  
Order Code I4530



AH-610  
Aseptic Housing  
Order Code I4430

AB-600  
9.6Vdc NiMH battery  
Capacity 2100 mAh  
Order Code I1520



AS-610  
Sterile Shield  
Order Code I4420



### Loading and replacing the sterile battery



Sterile scrub technician places sterile shield onto the aseptic battery housing.



Circulating nurse presses the non-sterile battery into the battery housing.



Circulating nurse removes the sterile shield.



Sterile scrub technician closes battery housing lid and secures.



Sterile scrub technician locks aseptic battery housing into the handpiece.

## STERILE BATTERIES

The packs are specifically designed to withstand flash sterilisation techniques.

If flash sterilisation is not permissible (please check your market requirements) then the use of aseptic batteries is strongly recommended.



SB-450  
10.8Vdc NiMH battery  
Capacity 1000 mAh  
Order Code I4500



SB-600  
9.6Vdc NiCd battery  
Capacity 1200 mAh  
Order Code I1630

## BC-610 BATTERY CHARGER

Order Code I4750

The BC-610 has a very small footprint and is designed to charge any four batteries.

A simple display panel allows the user to quickly establish the status of the charging cycle and the general condition of the battery by illuminating a series of indicator bars when it has completed its charging cycle.

Mains power cordsets - 3m long

|                     |                   |
|---------------------|-------------------|
| UK                  | Order Code: 8290  |
| Euro                | Order Code: 8300  |
| US/Canada           | Order Code: 8310  |
| Australia/N Zealand | Order Code: 8320  |
| Swiss               | Order Code: I4700 |

Please specify option required.



CA-450  
Battery charging adaptor.  
For use with AB-450 battery.  
Order Code I4540



## CORDED DIRECT POWER

The compact, lightweight corded module slides into the bottom of the handpiece and is connected to the power supply via a small diameter 4 metre long cable.

The power supply has two handpiece outlet connections and features an overload indicator which aids the surgeon in achieving optimum cutting performance.



CM-600  
Corded module.  
Order Code I1620

PS-600  
Power Supply 230 Vac input  
Order Code I1610  
Power Supply 120 Vac input  
Order Code I1660

The PS-600 uses BC-610 battery charger mains power cord sets.  
See above for ordering information.



**de Soutter**  
MEDICAL

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