

## Thread Cutters

Occasionally, the internal threads of an implant need to be cleaned or rethreaded. When necessary a rethreader or thread cutter must be used to clean the threads.

The thread cutter can also be used to add a thread to a metal substructure, into which, ball abutments can be screwed.

The thread cutters must be used with a lubricant (such as petroleum jelly), in order to reduce friction to a minimum, and to act as a carrier to flush out any metal filings or other foreign objects from the internal thread (lubricate and clean frequently).

It is essential that the thread cutter does not cross-thread the implant. Should the threader engage a cross thread, the result will entail partly cutting a new thread into the implant and could compromise the implant if the internal thread is damaged.

Excessive force should not be used on the instrument. Although they are made from tool steel, they are quite brittle and could fracture. If it fractures inside the internal thread, the implant will most likely need to be removed.

### Screw thread cutter usage protocol:

1. Insert the thread cutter into the implant screw channel.
2. Rotate the thread cutter clockwise, to the point of resistance (ensuring to not advance more than half a turn).
3. Rotate the thread cutter anti-clockwise (out) a quarter turn.
4. Repeat steps 2 and 3 until sufficient thread is cut for a retaining screw to seat at full depth.

**NOTE:** for External Hex implants, advancement of the thread cutter to 4mm deep is sufficient for a Z-series screw to be torqued down.



**CAUTION:**

- Thread cutters are made of tool steel, and cannot be autoclaved as they will rust.
- Thread cutters are not compatible with PROVATA® and M-Series (Internal Hex) range of implants.

### 1.4mm internal thread.



**I-M1.4-S**  
SHORT



**I-M1.4**  
MEDIUM

### Compatible with:

<b>DC Implants</b>
DCT30xx / DCC30xx
DCT35xx-12D / DCC35xx-12D

### 1.6mm internal thread.



**I-M1.6-S**  
SHORT



**I-M1.6**  
MEDIUM

### Compatible with:

<b>DC Implants</b>
DCT35xx / DCC35xx
DCT40xx / DCC40xx / DCT40xx-12D
DCT50xx-12D
<b>External Hex Implants</b>
IP-xx
<b>INVERTA® Implants</b>
IV-DC35-45xx / IV-DC3512D-45xx
IV-DC40-50xx / IV-DC4012D-50xx

# Thread Cutters

## 1.8mm internal thread.



**I-M1.8-S**  
SHORT



**I-M1.8**  
MEDIUM

### Compatible with:

#### TRI-NEX Implants

IA-LH-35-xx / IA-LHS-35-xx

IA43-12D-xx

## 2mm internal thread:



**I-M2-S**



**I-M2**

### Compatible with:

#### DC Implants

DCT50xx / DCC50xx

#### External Hex Implants

IBNxx / IBNTxx / IBNT12D-xx

IBTxx / IBSxx / IBT12D-xx / IBR12D-xx / IBR24D-xx

BAxx / BATxx / BAR12D-xx / BAR24D-xx / BAR36D-xx

BBBTxx / BBBT12D-xx / BBBT24D-xx

MAX-6-xx / MAX-7-xx / MAX-8-xx / MAX-9-xx

#### TRI-NEX Implants

IA-LH-43-xx / IA-LHS-43-xx

IA-LH-50-xx / IA-LHS-50-xx / IA50-12D-xx

IA-LH-60-xx

TRI-MAX7-xx / TRI-MAX8-xx / TRI-MAX9-xx

#### IT (Internal Octagon) Implants

ITC3xx

ITT4xx / ITC4xx / ITST12D-4xxF

ITT5xx / ITC5xx / ITST12D-5xxF

ITT6xx / ITT6-5xx / ITC6-5xx

MAXIT7-xx / MAXIT8-xx / MAXIT9-xx

#### INVERTA® Implants

IV-DC-50-60xx

IV-EX35-45xx / IV-EX3512D-45xx

IV-EX40-50xx / IV-EX4012D-50xx

IV-EX-52-60xx / IV-EX5212D-60xx

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