



Because we are committed to limit uncertainty, the Integra ShearTip™ ultrasonic surgical tip increases the removal rate of fibrous and tough tissues while keeping a high level of selectivity, enabling the CUSA EXcel®+ Systems to address a wider range of tissue types and save valuable time in operating room.



Compatible with CUSA EXcel®+  
Ultrasonic Tissue Ablation System

#### The solution for fibrous and tough tissue

- As great as 50% faster fibrous tissue removal rate compared to conventional CUSA EXcel® tips.
- Compatible with the small and powerful 36kHz CUSA EXcel® handpiece, providing good grip and tactical feedback to the surgeon.
- Small tip diameter for improved visualization and access to the surgical site.
- Tip changeable in the sterile field.
- Pre-aspiration holes reduce misting in the field and cool the tip.



ShearTip™ ultrasonic surgical tip

## Improved Efficacy for Fibrous and Tough Tissue Removal\*

Combined with the compact and powerful 36kHz CUSA EXcel® handpiece, the ShearTip™ ultrasonic surgical tip increases the removal ability of tenacious, collagen-rich, fibrous tumors in neurology and cirrhotic tissues for hepatic applications.

The optimised design of the ShearTip™ ultrasonic surgical tip creates shear stresses within fibrous tissue, by ShearWave™ ultrasonic surgical technology causes fibers to break by cutting.

This technology increases the removal rate of fibrous and tough tissues while keeping a high level of selectivity, enabling the CUSA EXcel®+ ultrasonic tissue ablation systems and CUSA EXcel® ultrasonic tissue ablation systems to address a wider range of tissue types and save valuable time in operating room.

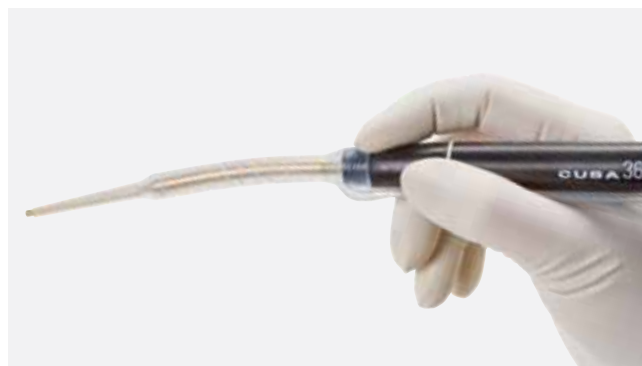
The large range of CUSA EXcel®+ ultrasonic surgical tips when used with the TissueSelect™ tissue option feature provides a wider margin of safety, allowing surgeons to operate around critical structures.

## ShearTip™ ultrasonic surgical tip exclusive features

- **ShearWave™ technology\*\***  
For more efficiency. As great as 50 % improved fibrous tissue removal rate compared to conventional CUSA EXcel® ultrasonic surgical tips.
- **Titanium-nitride coating\*\*\***  
For an optimised wear resistance of the tip.
- **Central aspiration hole**  
For improved visualization and access to the surgical site.
- **TipSelect™ feature**  
For better response to various tissue types with a customized tip-handpiece combination.
- **36 kHz Handpiece**  
Compact, powerful handpiece for precise and controlled tissue removal.

### Product Specifications

	Catalog number
C4617S	4 single use sterile tips and 4 flues per box
C4617SEA	1 single use sterile tip and 1 flue per box
<b>Tip Length</b>	11.79 cm (4.64 in.)
<b>Tip ID</b>	1.57 mm (0.06 in.)
<b>Tip OD</b>	2.34 mm (0.09 in.)



\* Compared to conventional CUSA EXcel® ultrasonic surgical tips  
\*\* Unique distal end with alternating surfaces at opposing angles allows ultrasonic energy to produce shear stress field, generating scissor-like effect on tissue fibers .  
\*\*\* Hardening process for the titanium tip.

Integra LifeSciences Services (France) SAS  
Sales & Marketing EMEA  
Immeuble Séquoia 2 • 97 allée Alexandre Borodine  
Parc technologique de la Porte des Alpes  
69800 Saint Priest • FRANCE  
T +33 (0)4 37 47 59 00 • fax +33 (0)4 37 47 59 99  
emea.info@integralife.com • [integralife.com](http://integralife.com)

#### Customer Service

International: +33 (0)4 37 47 59 50 • +33 (0)4 37 47 59 25 (Fax) • [csema@integralife.com](mailto:csema@integralife.com)  
France: +33 (0)4 37 47 59 10 • +33 (0)4 37 47 59 29 (Fax) • [custsvfrance@integralife.com](mailto:custsvfrance@integralife.com)  
United Kingdom: +44 (0)1 264 345 780 • +44 (0)1 264 363 782 (Fax) • [custsvcuk@integralife.com](mailto:custsvcuk@integralife.com)  
Germany: +49 (0) 2102 5535 6200 • +49 (0)2 102 5536 636 (Fax) • [custsvcgermany@integralife.com](mailto:custsvcgermany@integralife.com)  
Benelux: +32 (0)2 257 4130 • +32 (0)2 253 2466 (Fax) • [custsvcbenelux@integralife.com](mailto:custsvcbenelux@integralife.com)  
Switzerland: +41 (0)2 27 21 23 30 • +41 (0)2 27 21 23 99 (Fax) • [custsvcsuisse@integralife.com](mailto:custsvcsuisse@integralife.com)

Integra LifeSciences (Ireland) Limited  
IDA Business and Technology Park  
Sragh  
Tullamore • County Offaly • Ireland

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