

# *euca STSFlex*

*Stainless Steel Coronary Stentsystem*



Design optimized for each vessel diameter

Smooth hemodynamic surface

Clinically tested efficiency

Expansion range 2.50 mm - 6.00 mm

Stent lengths 8 mm – 38 mm

# euca STSFlex: Safe and Effective

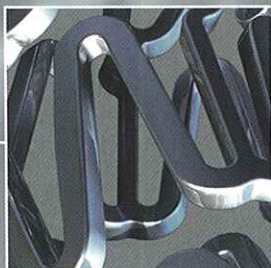
Excellent flexibility and adaptation to the natural arterial anatomy, even in highly tortuous vessels.



Open-cell design with coaxially connected interlinks



Thanks to the open-cell design, eucatech's STS Flex provides easy side-branch access, enabling >3 mm diameter vessels to remain open.



# Clinical Efficiency

MACE Rate under Real-Life-Conditions **12.5 %** Dr. Özbek<sup>1</sup>

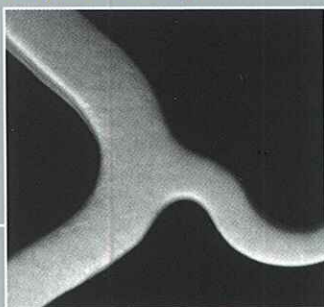
3 design configurations, each geared to the expanded diameter, offer the following advantages:

- Reduced recoil
- High radial force
- Optimal crimped profile
- Excellent flexibility
- Minimal stent foreshortening

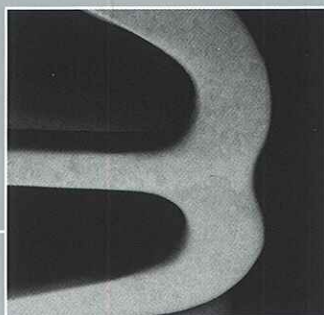
## Stent Delivery System

- 1.9 F coated hypotube shaft with large inner diameter for rapid balloon deflation
- Wire-reinforced guidewire exit port for optimal push transfer
- Optimal trackability ensured by a highly flexible distal segment
- Controlled linear expansion of the balloon segment
- Low friction hydrophilic coating on the distal shaft
- Minimal balloon overhang <0.5 mm on each side minimizes vessel injury outside the stent

## Surface Quality



An extremely smooth non-thrombogenic stent surface with perfectly rounded edges is the result of eucatech's special polishing process.



Reference: 1 Cem Özbek, Christoph Mailänder, Ulrike Schilling, Roland Bach Heart Center Saar / Völklingen Prospective multicenter registry evaluating safety and efficacy of STSFlex stent in patients with elective PTCA under „real life“ conditions.

## Stent Details

|                                | SMALL VESSEL                                          | STANDARD VESSEL                       | LARGE VESSEL                          |
|--------------------------------|-------------------------------------------------------|---------------------------------------|---------------------------------------|
| TYPE OF DESIGN                 | Slotted tube, open-cell with 3 interlinks per segment |                                       |                                       |
| EXPANSION RANGE                | <b>2.50 mm - 2.75 mm</b>                              | <b>3.00 mm - 4.00 mm</b>              | <b>4.50 mm - 6.00 mm</b>              |
| DESIGN DETAILS                 | 6 zigzag elements<br>per ring segment                 | 6 zigzag elements<br>per ring segment | 9 zigzag elements<br>per ring segment |
| MATERIAL                       | 316 LVM                                               | 316 LVM                               | 316 LVM                               |
| STRUT THICKNESS                | 0.0033" (85 µm)                                       | 0.0033" (85 µm)                       | 0.0063" (160 µm)                      |
| STRUT WIDTH (MAIN SEGMENT)     | 0.0033" (85 µm)                                       | 0.0039" (100 µm)                      | 0.0039" (100 µm)                      |
| STRUT WIDTH (INTERLINK)        | 0.0020" (50 µm)                                       | 0.0027" (70 µm)                       | 0.0027" (70 µm)                       |
| SHORTENING AFTER EXPANSION     | < 2%                                                  | < 2%                                  | < 4%                                  |
| MECHANICAL RECOIL              | < 3%                                                  | < 3%                                  | < 4%                                  |
| METAL COVERAGE                 | < 15%                                                 | < 15%                                 | < 16%                                 |
| GUIDING CATHETER COMPATIBILITY | 5 F                                                   | 6 F                                   | 6 F - 7 F                             |

## Stent Delivery System Details

|                             |                                                                                                        |                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| USABLE LENGTH               |                                                                                                        | 138 cm                                                                           |
| LENGTH OF GUIDE WIRE LUMEN  |                                                                                                        | 27 cm                                                                            |
| MATERIAL                    | Balloon<br>Distal shaft<br>Proximal shaft                                                              | Polyamide Compound<br>Polyamide, multilayer tube<br>Stainless Steel, PTFE coated |
| SHAFT SIZE                  | Proximal<br>Distal                                                                                     | 1.9 F<br>2.5 F - 2.9 F, depending on balloon size                                |
| DISTAL SHAFT COATING        |                                                                                                        | Hydrophilic                                                                      |
| BALLOON FOLDING             | Balloon diameter 2,50 mm<br>Balloon diameter 2.75 mm to 4.50 mm<br>Balloon diameter 5.00 mm to 6.00 mm | 2-fold balloon<br>4-fold balloon<br>6-fold balloon                               |
| MARKER BANDS                |                                                                                                        | Embedded platinum/Iridium                                                        |
| TIP SIZE                    |                                                                                                        | 0.017" (0.43 mm)                                                                 |
| MAX. RECOMMENDED GUIDE WIRE |                                                                                                        | 0.014" (0.36 mm)                                                                 |

## Order Information

| STENT I.D. | STENT LENGTH |            |             |             |             |             |             |             |             |
|------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|            | 8 mm         | 10 mm      | 13 mm       | 16 mm       | 18 mm       | 23 mm       | 28 mm       | 33 mm       | 38 mm       |
| 2.50 mm    | STS 250/08   | STS 250/10 | STS 250/13  | STS 250/16  | STS 250/18  | STS 250/23  | STS 250/28  | —           | —           |
| 2.75 mm    | STS 275/08   | STS 275/10 | STS 275/13  | STS 275/16  | STS 275/18  | STS 275/23  | STS 275/28  | STS 275/33  | —           |
| 3.00 mm    | STS 300/08   | STS 300/10 | STS 300/13  | STS 300/16  | STS 300/18  | STS 300/23  | STS 300/28  | STS 300/33  | STS 300/38  |
| 3.25 mm    | STS 325/08   | STS 325/10 | STS 325/13  | STS 325/16  | STS 325/18  | STS 325/23  | STS 325/28  | STS 325/33  | STS 325/38  |
| 3.50 mm    | STS 350/08   | STS 350/10 | STS 350/13  | STS 350/16  | STS 350/18  | STS 350/23  | STS 350/28  | STS 350/33  | STS 350/38  |
| 4.00 mm    | STS 400/08   | STS 400/10 | STS 400/13  | STS 400/16  | STS 400/18  | STS 400/23  | STS 400/28  | STS 400/33  | STS 400/38  |
| 4.50 mm    | —            | —          | STS 450/13* | STS 450/16* | STS 450/18* | STS 450/23* | STS 450/28* | STS 450/33* | STS 450/38* |
| 5.00 mm    | —            | —          | STS 500/13* | STS 500/16* | STS 500/18* | STS 500/23* | STS 500/28* | STS 500/33* | STS 500/38* |
| 5.50 mm    | —            | —          | STS 550/13* | STS 550/16* | STS 550/18* | STS 550/23* | STS 550/28* | STS 550/33* | STS 550/38* |
| 6.00 mm    | —            | —          | STS 600/13* | STS 600/16* | STS 600/18* | STS 600/23* | STS 600/28* | STS 600/33* | STS 600/38* |

Subject to product improvements, eucatech reserves the right to modify product specifications without prior notification.  
See package insert for indications, contraindications, warnings and instructions for use.

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