

# maxx

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## orthopedics



### *Libertas® Mini TR Hip System*

## System Overview

# LIBERTAS®



# HIP

## LIBERTAS® MINI TR HIP

The Libertas Mini TR System features distal reduction design to address challenges with proximal-distal mismatch and a short stem length for optimal performance during direct anterior approaches. Overall stem design maintains similar features of the Libertas Tapered Reduction (TR) System and utilizes Ti-GrowthC® plasma coating and vertical grooves to promote increased stability in primary hip arthroplasty procedures.

### TAPERED NECK

- designed to increase range of motion

### HIGHLY POLISHED NECK

- minimizes soft tissue damage & liner wear

### VERTICAL GROOVES

- provide rotational and axial stability

### REDUCED LENGTH

- 37mm shorter than Libertas Tapered Reduction stem making it ideal for direct anterior (DA) approach

### TI-GROWTHC COATING

- plasma spray coating promotes ongrowth and provides initial stability

### DISTAL REDUCTION

- address potential challenges associated with proximal/distal mismatch

## MATERIAL SPECIFICATIONS

### HIP STEM

- Titanium Alloy (Ti6Al4V – ELI) with Ti-GrowthC® coating applied as a plasma spray

### TI-GROWTHC COATING DETAILS

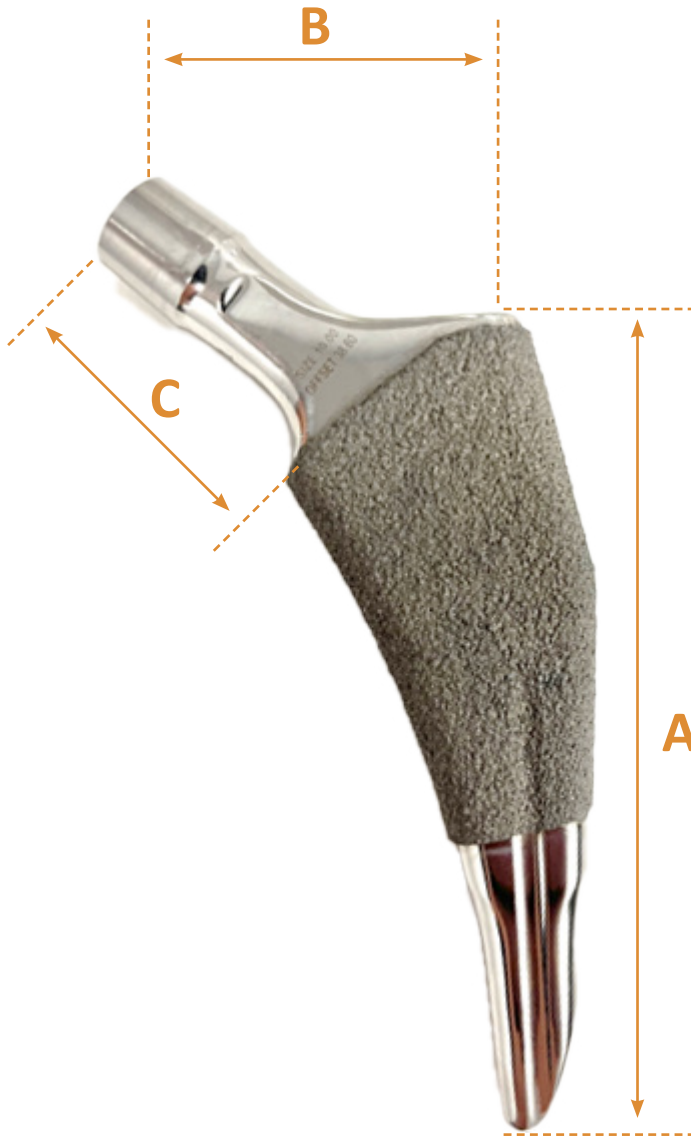
- Surface roughness: Rt 300 - 600  $\mu\text{m}$
- Coating thickness:  $500 \pm 127 \mu\text{m}$
- Coating adhesion strength:  $> 20 \text{ Mpa}$
- Porosity 30 – 70%



“Short length and overall design make it ideal for direct anterior approaches”

- Siraj Sayeed, MD

# LIBERTAS<sup>®</sup> MINI TR HIP SYSTEM



## STEM LENGTH (DIMENSION A)

- size range: 91mm to 130mm

## OFFSET (DIMENSIONS B)

- 132° stem: 36mm to 47.8mm
- 132° Lateral stem: 43.8mm to 55.6mm

## NECK LENGTH (DIMENSION C)

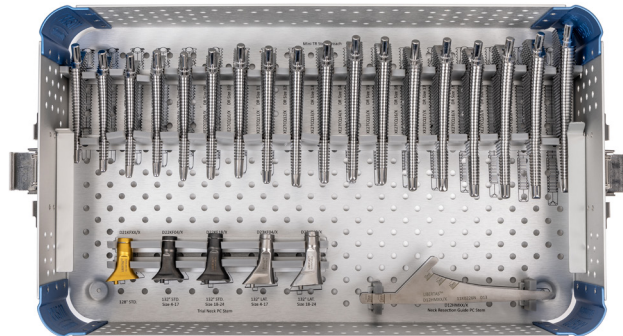
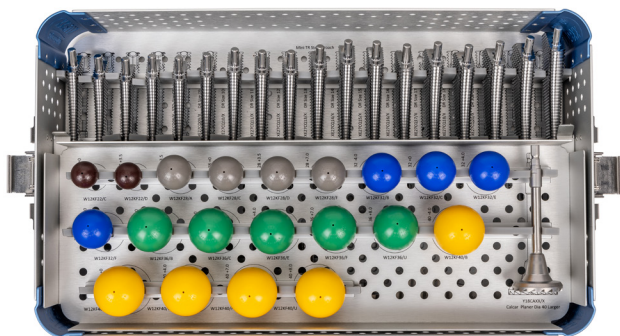
- 132° stem: 31.5mm, sizes 4 to 16
- 132° stem: 34.5mm, sizes 18-24
- 132° Lateral stem: 37mm up to size 16
- 132° Lateral stem: 40mm, sizes 18-24

## Note:

- Mini TR stem design has same Med-Lat (M-L) and Anterior-Posterior (A-P) fit as Libertas TR stem

# LIBERTAS® MINI TR SYSTEM

## INS-LIB-MINITR\*



### Trial Femoral Heads

| Part #    | Description                  |
|-----------|------------------------------|
| W12KF22/C | Trial Femoral Head 22 +00mm  |
| W12KF22/D | Trial Femoral Head 22 +3.5mm |
| W12KF28/A | Trial Femoral Head 28 -3.5mm |
| W12KF28/C | Trial Femoral Head 28 +00mm  |
| W12KF28/D | Trial Femoral Head 28 +3.5mm |
| W12KF28/F | Trial Femoral Head 28 +7.0mm |
| W12KF32/B | Trial Femoral Head 32 -4.0mm |
| W12KF32/C | Trial Femoral Head 32 +00mm  |
| W12KF32/E | Trial Femoral Head 32 +4.0mm |
| W12KF32/F | Trial Femoral Head 32 +7.0mm |
| W12KF36/B | Trial Femoral Head 36 -4.0mm |
| W12KF36/C | Trial Femoral Head 36 +00mm  |
| W12KF36/E | Trial Femoral Head 36 +4.0mm |
| W12KF36/F | Trial Femoral Head 36 +7.0mm |
| W12KF36/U | Trial Femoral Head 36 +8.0mm |
| W12KF40/B | Trial Femoral Head 40 -4.0mm |
| W12KF40/C | Trial Femoral Head 40 +00mm  |
| W12KF40/E | Trial Femoral Head 40 +4.0mm |
| W12KF40/F | Trial Femoral Head 40 +7.0mm |
| W12KF40/U | Trial Femoral Head 40 +8.0mm |

### Broaches

| Part #     | Description                  |
|------------|------------------------------|
| XE01CQ04/X | Mini TR Stem STD Broach - 04 |
| XE01CQ05/X | Mini TR Stem STD Broach - 05 |
| XE01CQ06/X | Mini TR Stem STD Broach - 06 |
| XE01CQ07/X | Mini TR Stem STD Broach - 07 |
| XE01CQ08/X | Mini TR Stem STD Broach - 08 |
| XE27CQ09/X | Mini TR Stem DR Broach - 09  |
| XE27CQ10/X | Mini TR Stem DR Broach - 10  |
| XE27CQ11/X | Mini TR Stem DR Broach - 11  |
| XE27CQ12/X | Mini TR Stem DR Broach - 12  |
| XE27CQ13/X | Mini TR Stem DR Broach - 13  |
| XE27CQ14/X | Mini TR Stem DR Broach - 14  |
| XE27CQ15/X | Mini TR Stem DR Broach - 15  |
| XE27CQ16/X | Mini TR Stem DR Broach - 16  |
| XE27CQ17/X | Mini TR Stem DR Broach - 17  |
| XE27CQ18/X | Mini TR Stem DR Broach - 18  |
| XE27CQ20/X | Mini TR Stem DR Broach - 20  |
| XE27CQ22/X | Mini TR Stem DR Broach - 22  |
| XE27CQ24/X | Mini TR Stem DR Broach - 24  |
| Y18CAXX/X  | Calcar Planer (Dia 40mm)     |

#### \*INS-LIB-MINITR also requires:

- INS-LIB-CUP
- INS-LIB-AA
- INS-LIB-AA-BH
- Trial liner set (if needed)

## Trial Neck PC Stems

| Part #    | Description                                   |
|-----------|-----------------------------------------------|
| D21KFXX/X | Trial Neck PC Stem 128° Standard              |
| D22KF04/X | Trial Neck PC Stem 132° Standard (Size 4-17)  |
| D22KF18/X | Trial Neck PC Stem 132° Standard (Size 18-24) |
| D23KF04/X | Trial Neck PC Stem 132° Lateral (Size 4-17)   |
| D23KF18/X | Trial Neck PC Stem 132° Lateral (Size 18-24)  |
| D12HMXX/X | Neck Resection Guide PC Stem                  |

## Femoral Stems

| Part #        | Description                                                         |
|---------------|---------------------------------------------------------------------|
| MO-STRC-32/04 | Taper Uncemented Femoral Stem Size 04/132° Mini TR                  |
| MO-STRC-32/05 | Taper Uncemented Femoral Stem Size 05/132° Mini TR                  |
| MO-STRC-32/06 | Taper Uncemented Femoral Stem Size 06/132° Mini TR                  |
| MO-STRC-32/07 | Taper Uncemented Femoral Stem Size 07/132° Mini TR                  |
| MO-STRC-32/08 | Taper Uncemented Femoral Stem Size 08/132° Mini TR                  |
| MO-STTC-32/09 | Taper Uncemented Femoral Stem Size 09/132° Mini TR Distal Reduction |
| MO-STTC-32/10 | Taper Uncemented Femoral Stem Size 10/132° Mini TR Distal Reduction |
| MO-STTC-32/11 | Taper Uncemented Femoral Stem Size 11/132° Mini TR Distal Reduction |
| MO-STTC-32/12 | Taper Uncemented Femoral Stem Size 12/132° Mini TR Distal Reduction |
| MO-STTC-32/13 | Taper Uncemented Femoral Stem Size 13/132° Mini TR Distal Reduction |
| MO-STTC-32/14 | Taper Uncemented Femoral Stem Size 14/132° Mini TR Distal Reduction |
| MO-STTC-32/15 | Taper Uncemented Femoral Stem Size 15/132° Mini TR Distal Reduction |
| MO-STTC-32/16 | Taper Uncemented Femoral Stem Size 16/132° Mini TR Distal Reduction |
| MO-STTC-32/17 | Taper Uncemented Femoral Stem Size 17/132° Mini TR Distal Reduction |
| MO-STTC-32/18 | Taper Uncemented Femoral Stem Size 18/132° Mini TR Distal Reduction |
| MO-STTC-32/20 | Taper Uncemented Femoral Stem Size 20/132° Mini TR Distal Reduction |
| MO-STTC-32/22 | Taper Uncemented Femoral Stem Size 22/132° Mini TR Distal Reduction |
| MO-STTC-32/24 | Taper Uncemented Femoral Stem Size 24/132° Mini TR Distal Reduction |

## (Lateral) Femoral Stems

| Part #                    | Description                                                                 |
|---------------------------|-----------------------------------------------------------------------------|
| MO-STSC-32/04             | Taper Uncemented Femoral Stem Size 04/132° Mini TR Lateral                  |
| MO-STSC-32/05             | Taper Uncemented Femoral Stem Size 05/132° Mini TR Lateral                  |
| MO-STSC-32/06             | Taper Uncemented Femoral Stem Size 06/132° Mini TR Lateral                  |
| MO-STSC-32/07             | Taper Uncemented Femoral Stem Size 07/132° Mini TR Lateral                  |
| MO-STSC-32/08             | Taper Uncemented Femoral Stem Size 08/132° Mini TR Lateral                  |
| MO-STUC-32/09             | Taper Uncemented Femoral Stem Size 09/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/10             | Taper Uncemented Femoral Stem Size 10/132° Mini TR Lateral Distal Reduction |
| Continued on next page... |                                                                             |

## (Lateral) Femoral Stems - Continued

| Part #        | Description                                                                 |
|---------------|-----------------------------------------------------------------------------|
| MO-STUC-32/11 | Taper Uncemented Femoral Stem Size 11/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/12 | Taper Uncemented Femoral Stem Size 12/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/13 | Taper Uncemented Femoral Stem Size 13/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/14 | Taper Uncemented Femoral Stem Size 14/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/15 | Taper Uncemented Femoral Stem Size 15/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/16 | Taper Uncemented Femoral Stem Size 16/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/17 | Taper Uncemented Femoral Stem Size 17/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/18 | Taper Uncemented Femoral Stem Size 18/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/20 | Taper Uncemented Femoral Stem Size 20/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/22 | Taper Uncemented Femoral Stem Size 22/132° Mini TR Lateral Distal Reduction |
| MO-STUC-32/24 | Taper Uncemented Femoral Stem Size 24/132° Mini TR Lateral Distal Reduction |

# Pursue Life

For more information about Freedom® Knee System please contact your local representative.

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Libertas® Hip System

Rx only



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Norristown, Pa 19403 USA



Carefully read all instructions and be familiar with the surgical techniques prior to use.

Please see the package insert for complete device description, product selection information, indications, contraindications, precautions, adverse effects, warnings, materials, sterilization and patient guidance associated with Freedom Total Knee® System

**CAUTION:** THIS DEVICE IS RESTRICTED TO SALE BY OR ON THE ORDER OF A LICENSED PHYSICIAN

**WARNING:** THIS DEVICE IS INTENDED FOR CEMENTLESS USE ONLY

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