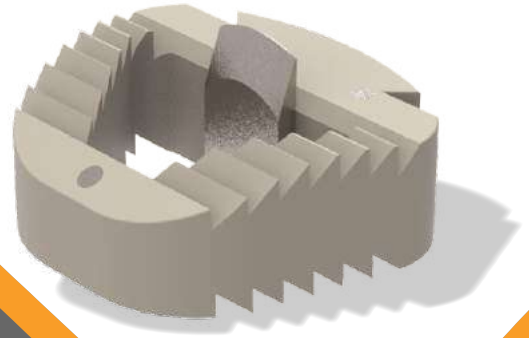


LOT 1



## AGENA-X

### Cervical Cage With Blade

#### Features

- Agena-X is manufactured by using PEEK and Titanium, which is compatible with MRI and CT and which does not result in permanent lesions.
- Blades for a more reliable holding between the endplates.
- Anterior cervical plate may not required for supplemental fixation

| Code       | Height | Length | Width |
|------------|--------|--------|-------|
| MCPCB41214 | 4      | 12     | 14    |
| MCPCB41216 | 4      | 12     | 16    |
| MCPCB41414 | 4      | 14     | 14    |
| MCPCB51214 | 5      | 12     | 14    |
| MCPCB51216 | 5      | 12     | 16    |
| MCPCB51414 | 5      | 14     | 14    |
| MCPCB61214 | 6      | 12     | 14    |
| MCPCB61216 | 6      | 12     | 16    |
| MCPCB61414 | 6      | 14     | 14    |
| MCPCB71214 | 7      | 12     | 14    |
| MCPCB71216 | 7      | 12     | 16    |
| MCPCB71414 | 7      | 14     | 14    |
| MCPCB81214 | 8      | 12     | 14    |
| MCPCB81216 | 8      | 12     | 16    |
| MCPCB81414 | 8      | 14     | 14    |



LOT 2, 3



## POLAR Spinal System 6.0

### Features

- Easy Lock System
  - Pedicle screw feature a double threaded, dual-lead design.
  - Implants manufactured from Ti-6Al-4V ELI Titanium alloy, Vitallium
  - CoCr alloy and PEEK according to ASTM International standards.
- Implantable pedicle screws as a Monoaxial, Polyaxial, Cannulated screws pre-bent rods, rod types, hooks in different sizes, easy to use hand tools
- compatible with implants
- More reliable tightening with the torx design of setscrew. Reverse angled setscrew thread design.

## Polyaxial Screw



| Code         | Size      | Code         | Size      | Code          | Size       |
|--------------|-----------|--------------|-----------|---------------|------------|
| MSFX-PAS3525 | 3.5x25 mm | MSFX-PAS5535 | 5.5x35 mm | MSFX-PAS7540  | 7.5x40 mm  |
| MSFX-PAS3530 | 3.5x30 mm | MSFX-PAS5540 | 5.5x40 mm | MSFX-PAS7545  | 7.5x45 mm  |
| MSFX-PAS3535 | 3.5x35 mm | MSFX-PAS5545 | 5.5x45 mm | MSFX-PAS7550  | 7.5x50 mm  |
| MSFX-PAS3540 | 3.5x40 mm | MSFX-PAS5550 | 5.5x50 mm | MSFX-PAS7555  | 7.5x55 mm  |
| MSFX-PAS3545 | 3.5x45 mm | MSFX-PAS5555 | 5.5x55 mm | MSFX-PAS7560  | 7.5x60 mm  |
| MSFX-PAS4020 | 4.0x20 mm | MSFX-PAS5560 | 5.5x60 mm | MSFX-PAS8030  | 8.0x30 mm  |
| MSFX-PAS4025 | 4.0x25 mm | MSFX-PAS6035 | 6.0x35 mm | MSFX-PAS8035  | 8.0x35 mm  |
| MSFX-PAS4030 | 4.0x30 mm | MSFX-PAS6040 | 6.0x40 mm | MSFX-PAS8040  | 8.0x40 mm  |
| MSFX-PAS4035 | 4.0x35 mm | MSFX-PAS6045 | 6.0x45 mm | MSFX-PAS8045  | 8.0x45 mm  |
| MSFX-PAS4040 | 4.0x40 mm | MSFX-PAS6050 | 6.0x50 mm | MSFX-PAS8050  | 8.0x50 mm  |
| MSFX-PAS4045 | 4.0x45 mm | MSFX-PAS6055 | 6.0x55 mm | MSFX-PAS8055  | 8.0x55 mm  |
| MSFX-PAS4520 | 4.5x20 mm | MSFX-PAS6060 | 6.0x60 mm | MSFX-PAS8060  | 8.0x60 mm  |
| MSFX-PAS4525 | 4.5x25 mm | MSFX-PAS6530 | 6.5x30 mm | MSFX-PAS8070  | 8.0x70 mm  |
| MSFX-PAS4530 | 4.5x30 mm | MSFX-PAS6535 | 6.5x35 mm | MSFX-PAS8080  | 8.0x80 mm  |
| MSFX-PAS4535 | 4.5x35 mm | MSFX-PAS6540 | 6.5x40 mm | MSFX-PAS8090  | 8.0x90 mm  |
| MSFX-PAS4540 | 4.5x40 mm | MSFX-PAS6545 | 6.5x45 mm | MSFX-PAS80100 | 8.0x100 mm |
| MSFX-PAS4545 | 4.5x45 mm | MSFX-PAS6550 | 6.5x50 mm | MSFX-PAS8530  | 8.5x30 mm  |
| MSFX-PAS5030 | 5.0x30 mm | MSFX-PAS6555 | 6.5x55 mm | MSFX-PAS8535  | 8.5x35 mm  |
| MSFX-PAS5035 | 5.0x35 mm | MSFX-PAS6560 | 6.5x60 mm | MSFX-PAS8540  | 8.5x40 mm  |
| MSFX-PAS5040 | 5.0x40 mm | MSFX-PAS7035 | 7.0x35 mm | MSFX-PAS8545  | 8.5x45 mm  |
| MSFX-PAS5045 | 5.0x45 mm | MSFX-PAS7040 | 7.0x40 mm | MSFX-PAS8550  | 8.5x50 mm  |
| MSFX-PAS5050 | 5.0x50 mm | MSFX-PAS7045 | 7.0x45 mm | MSFX-PAS8555  | 8.5x55 mm  |
| MSFX-PAS5055 | 5.0x55 mm | MSFX-PAS7050 | 7.0x50 mm | MSFX-PAS8560  | 8.5x60 mm  |
| MSFX-PAS5060 | 5.0x60 mm | MSFX-PAS7055 | 7.0x55 mm | MSFX-PAS8570  | 8.5x70 mm  |
| MSFX-PAS5520 | 5.5x20 mm | MSFX-PAS7060 | 7.0x60 mm | MSFX-PAS8580  | 8.5x80 mm  |
| MSFX-PAS5525 | 5.5x25 mm | MSFX-PAS7530 | 7.5x30 mm | MSFX-PAS8590  | 8.5x90 mm  |
| MSFX-PAS5530 | 5.5x30 mm | MSFX-PAS7535 | 7.5x35 mm | MSFX-PAS85100 | 8.5x100 mm |

Additional sizes available upon request

## Monoaxial Screw



| Code         | Size      | Code         | Size      |
|--------------|-----------|--------------|-----------|
| MSFX-MAS3525 | 3.5x25 mm | MSFX-MAS6035 | 6.0x35 mm |
| MSFX-MAS3530 | 3.5x30 mm | MSFX-MAS6040 | 6.0x40 mm |
| MSFX-MAS3535 | 3.5x35 mm | MSFX-MAS6045 | 6.0x45 mm |
| MSFX-MAS3540 | 3.5x40 mm | MSFX-MAS6050 | 6.0x50 mm |
| MSFX-MAS3545 | 3.5x45 mm | MSFX-MAS6055 | 6.0x55 mm |
| MSFX-MAS4025 | 4.0x25 mm | MSFX-MAS6530 | 6.5x30 mm |
| MSFX-MAS4030 | 4.0x30 mm | MSFX-MAS6535 | 6.5x35 mm |
| MSFX-MAS4035 | 4.0x35 mm | MSFX-MAS6540 | 6.5x40 mm |
| MSFX-MAS4040 | 4.0x40 mm | MSFX-MAS6545 | 6.5x45 mm |
| MSFX-MAS4045 | 4.0x45 mm | MSFX-MAS6550 | 6.5x50 mm |
| MSFX-MAS4525 | 4.5x25 mm | MSFX-MAS6555 | 6.5x55 mm |
| MSFX-MAS4530 | 4.5x30 mm | MSFX-MAS7035 | 7.0x35 mm |
| MSFX-MAS4535 | 4.5x35 mm | MSFX-MAS7040 | 7.0x40 mm |
| MSFX-MAS4540 | 4.5x40 mm | MSFX-MAS7045 | 7.0x45 mm |
| MSFX-MAS4545 | 4.5x45 mm | MSFX-MAS7050 | 7.0x50 mm |
| MSFX-MAS5030 | 5.0x30 mm | MSFX-MAS7055 | 7.0x55 mm |
| MSFX-MAS5035 | 5.0x35 mm | MSFX-MAS7535 | 7.5x35 mm |
| MSFX-MAS5040 | 5.0x40 mm | MSFX-MAS7540 | 7.5x40 mm |
| MSFX-MAS5045 | 5.0x45 mm | MSFX-MAS7545 | 7.5x45 mm |
| MSFX-MAS5050 | 5.0x50 mm | MSFX-MAS7550 | 7.5x50 mm |
| MSFX-MAS5530 | 5.5x30 mm | MSFX-MAS7555 | 7.5x55 mm |
| MSFX-MAS5535 | 5.5x35 mm | MSFX-MAS8035 | 8.0x35 mm |
| MSFX-MAS5540 | 5.5x40 mm | MSFX-MAS8040 | 8.0x40 mm |
| MSFX-MAS5545 | 5.5x45 mm | MSFX-MAS8045 | 8.0x45 mm |
| MSFX-MAS5550 | 5.5x50 mm | MSFX-MAS8050 | 8.0x50 mm |
| MSFX-MAS5555 | 5.5x55 mm | MSFX-MAS8055 | 8.0x55 mm |

## Monoaxial Spondylolisthesis Screw



| Code         | Size      |
|--------------|-----------|
| MSFX-MRS4535 | 4.5x35 mm |
| MSFX-MRS4540 | 4.5x40 mm |
| MSFX-MRS4545 | 4.5x45 mm |
| MSFX-MRS4550 | 4.5x50 mm |
| MSFX-MRS6035 | 5.5x35 mm |
| MSFX-MRS6040 | 5.5x40 mm |
| MSFX-MRS6045 | 5.5x45 mm |
| MSFX-MRS6050 | 5.5x50 mm |
| MSFX-MRS6535 | 6.5x35 mm |
| MSFX-MRS6540 | 6.5x40 mm |
| MSFX-MRS6545 | 6.5x45 mm |
| MSFX-MRS6550 | 6.5x50 mm |
| MSFX-MRS7035 | 7.0x30 mm |
| MSFX-MRS7040 | 7.0x40 mm |
| MSFX-MRS7045 | 7.0x45 mm |
| MSFX-MRS7050 | 7.0x50 mm |
| MSFX-MRS7055 | 7.0x55 mm |
| MSFX-MRS7540 | 7.5x40 mm |
| MSFX-MRS7545 | 7.5x45 mm |
| MSFX-MRS7550 | 7.5x50 mm |
| MSFX-MRS7555 | 7.5x55 mm |

Additional sizes available upon request

## Polyaxial Spondylolisthesis Screw



| Code         | Size      |
|--------------|-----------|
| MSFX-PRS4530 | 4.5x30 mm |
| MSFX-PRS4535 | 4.5x35 mm |
| MSFX-PRS4540 | 4.5x45 mm |
| MSFX-PRS4545 | 4.5x45 mm |
| MSFX-PRS4550 | 4.5x50 mm |
| MSFX-PRS5555 | 5.5x30 mm |
| MSFX-PRS6035 | 5.5x35 mm |
| MSFX-PRS6040 | 5.5x40 mm |
| MSFX-PRS6045 | 5.5x45 mm |
| MSFX-PRS6050 | 5.5x50 mm |
| MSFX-PRS6530 | 6.5x30 mm |
| MSFX-PRS6535 | 6.5x35 mm |
| MSFX-PRS6540 | 6.5x40 mm |
| MSFX-PRS6545 | 6.5x45 mm |
| MSFX-PRS6550 | 6.5x50 mm |
| MSFX-PRS6555 | 6.5x55 mm |
| MSFX-PRS7535 | 7.5x35 mm |
| MSFX-PRS7540 | 7.5x40 mm |
| MSFX-PRS7545 | 7.5x45 mm |
| MSFX-PRS7550 | 7.5x50 mm |
| MSFX-PRS7555 | 7.5x55 mm |
| MSFX-PRS8035 | 8.5x35 mm |
| MSFX-PRS8040 | 8.5x40 mm |
| MSFX-PRS8045 | 8.5x45 mm |
| MSFX-PRS8050 | 8.5x50 mm |
| MSFX-PRS8055 | 8.5x55 mm |

## Cemented screws Polyaxial Cannulated And Fenestrated Screw



| Code         | Size      | Code         | Size      |
|--------------|-----------|--------------|-----------|
| MSFX-CPS5530 | 4.5x30 mm | MSFX-CPS6550 | 6.5x50 mm |
| MSFX-CPS4535 | 4.5x35 mm | MSFX-CPS6555 | 6.5x55 mm |
| MSFX-CPS4540 | 4.5x40 mm | MSFX-CPS7030 | 7.0x30 mm |
| MSFX-CPS4545 | 4.5x45 mm | MSFX-CPS7035 | 7.0x35 mm |
| MSFX-CPS4550 | 4.5x50 mm | MSFX-CPS7040 | 7.0x40 mm |
| MSFX-CPS4555 | 4.5x55 mm | MSFX-CPS7045 | 7.0x45 mm |
| MSFX-CPS5035 | 5.0x35 mm | MSFX-CPS7050 | 7.0x50 mm |
| MSFX-CPS5040 | 5.0x40 mm | MSFX-CPS7055 | 7.0x55 mm |
| MSFX-CPS5045 | 5.0x45 mm | MSFX-CPS7530 | 7.5x30 mm |
| MSFX-CPS5050 | 5.0x50 mm | MSFX-CPS7535 | 7.5x35 mm |
| MSFX-CPS5055 | 5.0x55 mm | MSFX-CPS7540 | 7.5x40 mm |
| MSFX-CPS5530 | 5.5x30 mm | MSFX-CPS7545 | 7.5x45 mm |
| MSFX-CPS5535 | 5.5x35 mm | MSFX-CPS7550 | 7.5x50 mm |
| MSFX-CPS5540 | 5.5x40 mm | MSFX-CPS7555 | 7.5x55 mm |
| MSFX-CPS5545 | 5.5x45 mm | MSFX-CPS8035 | 8.0x35 mm |
| MSFX-CPS5550 | 5.5x50 mm | MSFX-CPS8040 | 8.0x40 mm |
| MSFX-CPS5555 | 5.5x55 mm | MSFX-CPS8045 | 8.0x45 mm |
| MSFX-CPS6035 | 6.0x35 mm | MSFX-CPS8050 | 8.0x50 mm |
| MSFX-CPS6040 | 6.0x40 mm | MSFX-CPS8055 | 8.0x55 mm |
| MSFX-CPS6045 | 6.0x45 mm |              |           |
| MSFX-CPS6050 | 6.0x50 mm |              |           |
| MSFX-CPS6055 | 6.0x55 mm |              |           |
| MSFX-CPS6530 | 6.5x30 mm |              |           |
| MSFX-CPS6535 | 6.5x35 mm |              |           |
| MSFX-CPS6540 | 6.5x40 mm |              |           |
| MSFX-CPS6545 | 6.5x45 mm |              |           |

Additional sizes available upon request

## Cemented screw Monoaxial Cannulated And Fenestrated Screw



| Code         | Size      |
|--------------|-----------|
| MSFX-CMS5530 | 5.5x30 mm |
| MSFX-CMS5535 | 5.5x35 mm |
| MSFX-CMS5540 | 5.5x40 mm |
| MSFX-CMS5545 | 5.5x45 mm |
| MSFX-CMS5550 | 5.5x50 mm |
| MSFX-CMS5555 | 5.5x55 mm |
| MSFX-CMS6530 | 6.5x30 mm |
| MSFX-CMS6535 | 6.5x35 mm |
| MSFX-CMS6540 | 6.5x40 mm |
| MSFX-CMS6545 | 6.5x45 mm |
| MSFX-CMS6550 | 6.5x50 mm |
| MSFX-CMS6555 | 6.5x55 mm |
| MSFX-CMS7530 | 7.5x30 mm |
| MSFX-CMS7535 | 7.5x35 mm |
| MSFX-CMS7540 | 7.5x40 mm |
| MSFX-CMS7545 | 7.5x45 mm |
| MSFX-CMS7550 | 7.5x50 mm |
| MSFX-CMS7555 | 7.5x55 mm |



| Code        | Size       | Code        | Size       |
|-------------|------------|-------------|------------|
| MSFX-SR1604 | 6.0x40 mm  | MSFX-SR1622 | 6.0x220 mm |
| MSFX-SR1605 | 6.0x50 mm  | MSFX-SR1623 | 6.0x230 mm |
| MSFX-SR1606 | 6.0x60 mm  | MSFX-SR1624 | 6.0x240 mm |
| MSFX-SR1607 | 6.0x70 mm  | MSFX-SR1625 | 6.0x250 mm |
| MSFX-SR1608 | 6.0x80 mm  | MSFX-SR1626 | 6.0x260 mm |
| MSFX-SR1609 | 6.0x90 mm  | MSFX-SR1627 | 6.0x270 mm |
| MSFX-SR1610 | 6.0x100 mm | MSFX-SR1628 | 6.0x280 mm |
| MSFX-SR1611 | 6.0x110 mm | MSFX-SR1629 | 6.0x290 mm |
| MSFX-SR1612 | 6.0x120 mm | MSFX-SR1630 | 6.0x300 mm |
| MSFX-SR1613 | 6.0x130 mm | MSFX-SR1631 | 6.0x310 mm |
| MSFX-SR1614 | 6.0x140 mm | MSFX-SR1632 | 6.0x320 mm |
| MSFX-SR1615 | 6.0x150 mm | MSFX-SR1640 | 6.0x400 mm |
| MSFX-SR1616 | 6.0x160 mm | MSFX-SR1648 | 6.0x480 mm |
| MSFX-SR1617 | 6.0x170 mm | MSFX-SR1650 | 6.0x500 mm |
| MSFX-SR1618 | 6.0x180 mm | MSFX-SR1660 | 6.0x600 mm |
| MSFX-SR1619 | 6.0x190 mm |             |            |
| MSFX-SR1620 | 6.0x200 mm |             |            |
| MSFX-SR1621 | 6.0x210 mm |             |            |

Additional sizes available upon request

## Polar Polyaxial Screw



| Code          | Size      | Code           | Size       |
|---------------|-----------|----------------|------------|
| MSFX-PPPS3525 | 3.5x25 mm | MSFX-PPPS6530  | 6.5x30 mm  |
| MSFX-PPPS3530 | 3.5x30 mm | MSFX-PPPS6535  | 6.5x35 mm  |
| MSFX-PPPS3535 | 3.5x35 mm | MSFX-PPPS6540  | 6.5x40 mm  |
| MSFX-PPPS3540 | 3.5x40 mm | MSFX-PPPS6545  | 6.5x45 mm  |
| MSFX-PPPS3545 | 3.5x45 mm | MSFX-PPPS6550  | 6.5x50 mm  |
| MSFX-PPPS4520 | 4.5x20 mm | MSFX-PPPS6555  | 6.5x55 mm  |
| MSFX-PPPS4525 | 4.5x25 mm | MSFX-PPPS7035  | 7.0x35 mm  |
| MSFX-PPPS4530 | 4.5x30 mm | MSFX-PPPS7040  | 7.0x40 mm  |
| MSFX-PPPS4535 | 4.5x35 mm | MSFX-PPPS7045  | 7.0x45 mm  |
| MSFX-PPPS4540 | 4.5x40 mm | MSFX-PPPS7050  | 7.0x50 mm  |
| MSFX-PPPS4545 | 4.5x45 mm | MSFX-PPPS7055  | 7.0x55 mm  |
| MSFX-PPPS5030 | 5.0x30 mm | MSFX-PPPS7530  | 7.5x30 mm  |
| MSFX-PPPS5035 | 5.0x35 mm | MSFX-PPPS7535  | 7.5x35 mm  |
| MSFX-PPPS5040 | 5.0x40 mm | MSFX-PPPS7540  | 7.5x40 mm  |
| MSFX-PPPS5045 | 5.0x45 mm | MSFX-PPPS7545  | 7.5x45 mm  |
| MSFX-PPPS5050 | 5.0x50 mm | MSFX-PPPS7550  | 7.5x50 mm  |
| MSFX-PPPS5520 | 5.5x20 mm | MSFX-PPPS7555  | 7.5x55 mm  |
| MSFX-PPPS5525 | 5.5x25 mm | MSFX-PPPS8030  | 8.0x30 mm  |
| MSFX-PPPS5530 | 5.5x30 mm | MSFX-PPPS8035  | 8.0x35 mm  |
| MSFX-PPPS5535 | 5.5x35 mm | MSFX-PPPS8040  | 8.0x40 mm  |
| MSFX-PPPS5540 | 5.5x40 mm | MSFX-PPPS8045  | 8.0x45 mm  |
| MSFX-PPPS5545 | 5.5x45 mm | MSFX-PPPS8050  | 8.0x50 mm  |
| MSFX-PPPS5550 | 5.5x50 mm | MSFX-PPPS8055  | 8.0x55 mm  |
| MSFX-PPPS5555 | 5.5x55 mm | MSFX-PPPS8055  | 8.0x60 mm  |
| MSFX-PPPS6035 | 6.0x35 mm | MSFX-PPPS8070  | 8.0x70 mm  |
| MSFX-PPPS6040 | 6.0x40 mm | MSFX-PPPS8080  | 8.0x80 mm  |
| MSFX-PPPS6045 | 6.0x45 mm | MSFX-PPPS8090  | 8.0x90 mm  |
| MSFX-PPPS6050 | 6.0x50 mm | MSFX-PPPS80100 | 8.0x100 mm |
| MSFX-PPPS6055 | 6.0x55 mm |                |            |

## Polar Polyaxial Spondylolisthesis Screw



| Code           | Size      |
|----------------|-----------|
| MSFX-PPRPS5530 | 5.5x30 mm |
| MSFX-PPRPS5535 | 5.5x35 mm |
| MSFX-PPRPS5540 | 5.5x40 mm |
| MSFX-PPRPS5545 | 5.5x45 mm |
| MSFX-PPRPS5550 | 5.5x50 mm |
| MSFX-PPRPS5555 | 5.5x55 mm |
| MSFX-PPRPS6035 | 6.0x35 mm |
| MSFX-PPRPS6040 | 6.0x40 mm |
| MSFX-PPRPS6045 | 6.0x45 mm |
| MSFX-PPRPS6050 | 6.0x50 mm |
| MSFX-PPRPS6535 | 6.5x35 mm |
| MSFX-PPRPS6540 | 6.5x40 mm |
| MSFX-PPRPS6545 | 6.5x45 mm |
| MSFX-PPRPS6550 | 6.5x50 mm |
| MSFX-PPRPS6555 | 6.5x55 mm |
| MSFX-PPRPS7035 | 7.0x35 mm |
| MSFX-PPRPS7040 | 7.0x40 mm |
| MSFX-PPRPS7045 | 7.0x45 mm |
| MSFX-PPRPS7050 | 7.0x50 mm |
| MSFX-PPRPS7055 | 7.0x55 mm |
| MSFX-PPRPS7535 | 7.5x35 mm |
| MSFX-PPRPS7540 | 7.5x40 mm |
| MSFX-PPRPS7545 | 7.5x45 mm |
| MSFX-PPRPS7550 | 7.5x50 mm |
| MSFX-PPRPS7555 | 7.5x55 mm |

Additional sizes available upon request

## Polar Monoaxial Screw



| Code           | Size      | Code           | Size      |
|----------------|-----------|----------------|-----------|
| MSFX-PPMAS3525 | 3.5x25 mm | MSFX-PPMAS6040 | 6.0x40 mm |
| MSFX-PPMAS3530 | 3.5x30 mm | MSFX-PPMAS6045 | 6.0x45 mm |
| MSFX-PPMAS3535 | 3.5x35 mm | MSFX-PPMAS6050 | 6.0x50 mm |
| MSFX-PPMAS3540 | 3.5x40 mm | MSFX-PPMAS6055 | 6.0x55 mm |
| MSFX-PPMAS3545 | 3.5x45 mm | MSFX-PPMAS6530 | 6.5x30 mm |
| MSFX-PPMAS4025 | 4.0x25 mm | MSFX-PPMAS6535 | 6.5x35 mm |
| MSFX-PPMAS4030 | 4.0x30 mm | MSFX-PPMAS6540 | 6.5x40 mm |
| MSFX-PPMAS4035 | 4.0x35 mm | MSFX-PPMAS6545 | 6.5x45 mm |
| MSFX-PPMAS4040 | 4.0x40 mm | MSFX-PPMAS6550 | 6.5x50 mm |
| MSFX-PPMAS4525 | 4.5x25 mm | MSFX-PPMAS6555 | 6.5x55 mm |
| MSFX-PPMAS4530 | 4.5x30 mm | MSFX-PPMAS7035 | 7.0x35 mm |
| MSFX-PPMAS4535 | 4.5x35 mm | MSFX-PPMAS7040 | 7.0x40 mm |
| MSFX-PPMAS4540 | 4.5x40 mm | MSFX-PPMAS7045 | 7.0x45 mm |
| MSFX-PPMAS4545 | 4.5x45 mm | MSFX-PPMAS7050 | 7.0x50 mm |
| MSFX-PPMAS5030 | 5.0x30 mm | MSFX-PPMAS7055 | 7.0x55 mm |
| MSFX-PPMAS5035 | 5.0x35 mm | MSFX-PPMAS7535 | 7.5x35 mm |
| MSFX-PPMAS5040 | 5.0x40 mm | MSFX-PPMAS7540 | 7.5x40 mm |
| MSFX-PPMAS5045 | 5.0x45 mm | MSFX-PPMAS7545 | 7.5x45 mm |
| MSFX-PPMAS5050 | 5.0x50 mm | MSFX-PPMAS7550 | 7.5x50 mm |
| MSFX-PPMAS5530 | 5.5x30 mm | MSFX-PPMAS7555 | 7.5x55 mm |
| MSFX-PPMAS5535 | 5.5x35 mm | MSFX-PPMAS8035 | 8.0x35 mm |
| MSFX-PPMAS5540 | 5.5x40 mm | MSFX-PPMAS8040 | 8.0x40 mm |
| MSFX-PPMAS5545 | 5.5x45 mm | MSFX-PPMAS8045 | 8.0x45 mm |
| MSFX-PPMAS5550 | 5.5x50 mm | MSFX-PPMAS8050 | 8.0x50 mm |
| MSFX-PPMAS5555 | 5.5x55 mm | MSFX-PPMAS8055 | 8.0x55 mm |
| MSFX-PPMAS6035 | 6.0x35 mm |                |           |

## Polar Monoaxial Spondylolisthesis Screw



| Code           | Size      |
|----------------|-----------|
| MSFX-PPMRS5535 | 5.5x35 mm |
| MSFX-PPMRS5540 | 5.5x40 mm |
| MSFX-PPMRS5550 | 5.5x50 mm |
| MSFX-PPMRS6035 | 6.0x35 mm |
| MSFX-PPMRS6050 | 6.0x50 mm |
| MSFX-PPMRS6535 | 6.5x35 mm |
| MSFX-PPMRS6545 | 6.5x45 mm |
| MSFX-PPMRS6550 | 6.5x50 mm |
| MSFX-PPMRS7040 | 7.0x40 mm |
| MSFX-PPMRS7045 | 7.0x45 mm |
| MSFX-PPMRS7050 | 7.0x50 mm |
| MSFX-PPMRS7055 | 7.0x55 mm |
| MSFX-PPMRS7540 | 7.5x40 mm |
| MSFX-PPMRS7550 | 7.5x50 mm |
| MSFX-PPMRS7555 | 7.5x55 mm |

Additional sizes available upon request

## Polar Polyaxial Cannulated And Fenestrated Screw

| Code                                                                                             | Size       |
|--------------------------------------------------------------------------------------------------|------------|
|  MSFX-PPCPS5530 | 5.5x30 mm  |
| MSFX-PPCPS5535                                                                                   | 5.5x35 mm  |
| MSFX-PPCPS5540                                                                                   | 5.5x40 mm  |
| MSFX-PPCPS5545                                                                                   | 5.5x45 mm  |
| MSFX-PPCPS5550                                                                                   | 5.5x50 mm  |
| MSFX-PPCPS5555                                                                                   | 5.5x55 mm  |
| MSFX-PPCPS6530                                                                                   | 6.5x30 mm  |
| MSFX-PPCPS6535                                                                                   | 6.5x35 mm  |
| MSFX-PPCPS6540                                                                                   | 6.5x40 mm  |
| MSFX-PPCPS6545                                                                                   | 6.5x45 mm  |
| MSFX-PPCPS6550                                                                                   | 6.5x50 mm  |
| MSFX-PPCPS6555                                                                                   | 6.5x55 mm  |
| MSFX-PPCPS7530                                                                                   | 7.5x30 mm  |
| MSFX-PPCPS7535                                                                                   | 7.5x35 mm  |
| MSFX-PPCPS7540                                                                                   | 7.5x40 mm  |
| MSFX-PPCPS7545                                                                                   | 7.5x45 mm  |
| MSFX-PPCPS7550                                                                                   | 7.5x50 mm  |
| MSFX-PPCPS7555                                                                                   | 7.5x55 mm  |
| MSFX-PPCPS8035                                                                                   | 8.0x35 mm  |
| MSFX-PPCPS8040                                                                                   | 8.0x40 mm  |
| MSFX-PPCPS8045                                                                                   | 8.0x45 mm  |
| MSFX-PPCPS8050                                                                                   | 8.0x50 mm  |
| MSFX-PPCPS8055                                                                                   | 8.0x55 mm  |
| MSFX-PPCPS8060                                                                                   | 8.0x60 mm  |
| MSFX-PPCPS8070                                                                                   | 8.0x70 mm  |
| MSFX-PPCPS8080                                                                                   | 8.0x80 mm  |
| MSFX-PPCPS8090                                                                                   | 8.0x90 mm  |
| MSFX-PPCPS80100                                                                                  | 8.0x100 mm |

## Polar Monoaxial Cannulated And Fenestrated Screw

| Code                                                                                             | Size      |
|--------------------------------------------------------------------------------------------------|-----------|
|  MSFX-PPCMS5530 | 5.5x30 mm |
| MSFX-PPCMS5535                                                                                   | 5.5x35 mm |
| MSFX-PPCMS5540                                                                                   | 5.5x40 mm |
| MSFX-PPCMS5545                                                                                   | 5.5x45 mm |
| MSFX-PPCMS5550                                                                                   | 5.5x50 mm |
| MSFX-PPCMS5555                                                                                   | 5.5x55 mm |
| MSFX-PPCMS6530                                                                                   | 6.5x30 mm |
| MSFX-PPCMS6535                                                                                   | 6.5x35 mm |
| MSFX-PPCMS6540                                                                                   | 6.5x40 mm |
| MSFX-PPCMS6545                                                                                   | 6.5x45 mm |
| MSFX-PPCMS6550                                                                                   | 6.5x50 mm |
| MSFX-PPCMS6555                                                                                   | 6.5x55 mm |
| MSFX-PPCMS7530                                                                                   | 7.5x30 mm |
| MSFX-PPCMS7535                                                                                   | 7.5x35 mm |
| MSFX-PPCMS7540                                                                                   | 7.5x40 mm |
| MSFX-PPCMS7545                                                                                   | 7.5x45 mm |
| MSFX-PPCMS7550                                                                                   | 7.5x50 mm |
| MSFX-PPCMS7555                                                                                   | 7.5x55 mm |

Additional sizes available upon request

## Polar Polyaxial Quad Lead Screw



| Code           | Size      | Code            | Size       |
|----------------|-----------|-----------------|------------|
| MSFX-PPMFS3525 | 3.5x25 mm | MSFX-PPMFS6055  | 6.0x55 mm  |
| MSFX-PPMFS3530 | 3.5x30 mm | MSFX-PPMFS6530  | 6.5x30 mm  |
| MSFX-PPMFS3535 | 3.5x35 mm | MSFX-PPMFS6535  | 6.5x35 mm  |
| MSFX-PPMFS3540 | 3.5x40 mm | MSFX-PPMFS6540  | 6.5x40 mm  |
| MSFX-PPMFS3545 | 3.5x45 mm | MSFX-PPMFS6545  | 6.5x45 mm  |
| MSFX-PPMFS4520 | 4.5x20 mm | MSFX-PPMFS6550  | 6.5x50 mm  |
| MSFX-PPMFS4525 | 4.5x25 mm | MSFX-PPMFS6555  | 6.5x55 mm  |
| MSFX-PPMFS4530 | 4.5x30 mm | MSFX-PPMFS7035  | 7.0x35 mm  |
| MSFX-PPMFS4535 | 4.5x35 mm | MSFX-PPMFS7040  | 7.0x40 mm  |
| MSFX-PPMFS4540 | 4.5x40 mm | MSFX-PPMFS7045  | 7.0x45 mm  |
| MSFX-PPMFS4545 | 4.5x45 mm | MSFX-PPMFS7050  | 7.0x50 mm  |
| MSFX-PPMFS5030 | 5.0x30 mm | MSFX-PPMFS7055  | 7.0x55 mm  |
| MSFX-PPMFS5035 | 5.0x35 mm | MSFX-PPMFS7530  | 7.5x30 mm  |
| MSFX-PPMFS5040 | 5.0x40 mm | MSFX-PPMFS7535  | 7.5x35 mm  |
| MSFX-PPMFS5045 | 5.0x45 mm | MSFX-PPMFS7540  | 7.5x40 mm  |
| MSFX-PPMFS5050 | 5.0x50 mm | MSFX-PPMFS7545  | 7.5x45 mm  |
| MSFX-PPMFS5520 | 5.5x20 mm | MSFX-PPMFS7550  | 7.5x50 mm  |
| MSFX-PPMFS5525 | 5.5x25 mm | MSFX-PPMFS7555  | 7.5x55 mm  |
| MSFX-PPMFS5530 | 5.5x30 mm | MSFX-PPMFS8030  | 8.0x30 mm  |
| MSFX-PPMFS5535 | 5.5x35 mm | MSFX-PPMFS8035  | 8.0x35 mm  |
| MSFX-PPMFS5540 | 5.5x40 mm | MSFX-PPMFS8040  | 8.0x40 mm  |
| MSFX-PPMFS5545 | 5.5x45 mm | MSFX-PPMFS8045  | 8.0x45 mm  |
| MSFX-PPMFS5550 | 5.5x50 mm | MSFX-PPMFS8050  | 8.0x50 mm  |
| MSFX-PPMFS5555 | 5.5x55 mm | MSFX-PPMFS8055  | 8.0x55 mm  |
| MSFX-PPMFS6035 | 6.0x35 mm | MSFX-PPMFS8070  | 8.0x70 mm  |
| MSFX-PPMFS6040 | 6.0x40 mm | MSFX-PPMFS8080  | 8.0x80 mm  |
| MSFX-PPMFS6045 | 6.0x45 mm | MSFX-PPMFS8090  | 8.0x90 mm  |
| MSFX-PPMFS6050 | 6.0x50 mm | MSFX-PPMFS80100 | 8.0x100 mm |

## Polar Polyaxial Spondylolisthesis Quad Lead Screw



| Code            | Size      |
|-----------------|-----------|
| MSFX-PPMFRS5530 | 5.5x30 mm |
| MSFX-PPMFRS5540 | 5.5x40 mm |
| MSFX-PPMFRS5545 | 5.5x45 mm |
| MSFX-PPMFRS5550 | 5.5x50 mm |
| MSFX-PPMFRS5555 | 5.5x55 mm |
| MSFX-PPMFRS6035 | 6.0x35 mm |
| MSFX-PPMFRS6040 | 6.0x40 mm |
| MSFX-PPMFRS6045 | 6.0x45 mm |
| MSFX-PPMFRS6050 | 6.0x50 mm |
| MSFX-PPMFRS6540 | 6.5x40 mm |
| MSFX-PPMFRS6545 | 6.5x45 mm |
| MSFX-PPMFRS6550 | 6.5x50 mm |
| MSFX-PPMFRS6555 | 6.5x55 mm |
| MSFX-PPMFRS7035 | 7.0x35 mm |
| MSFX-PPMFRS7040 | 7.0x40 mm |
| MSFX-PPMFRS7045 | 7.0x45 mm |
| MSFX-PPMFRS7050 | 7.0x50 mm |
| MSFX-PPMFRS7055 | 7.0x55 mm |
| MSFX-PPMFRS7535 | 7.5x35 mm |
| MSFX-PPMFRS7540 | 7.5x40 mm |
| MSFX-PPMFRS7545 | 7.5x45 mm |
| MSFX-PPMFRS7550 | 7.5x50 mm |
| MSFX-PPMFRS7555 | 7.5x55 mm |

Additional sizes available upon request

### Rod CoCr

### Sacral Screw

| Code               | Size       | Code         | Size      |
|--------------------|------------|--------------|-----------|
| MSFX-SR1704        | 6.0x40 mm  | MSFX-SSS6035 | 6.0x35 mm |
| MSFX-SR1705        | 6.0x50 mm  | MSFX-SSS6040 | 6.0x40 mm |
| MSFX-SR1706        | 6.0x60 mm  | MSFX-SSS6045 | 6.0x45 mm |
| MSFX-SR1707        | 6.0x70 mm  | MSFX-SSS6050 | 6.0x50 mm |
| MSFX-SR1708        | 6.0x80 mm  | MSFX-SSS6055 | 6.0x55 mm |
| MSFX-SR1709        | 6.0x90 mm  | MSFX-SSS7040 | 7.0x40 mm |
| MSFX-SR1710        | 6.0x100 mm | MSFX-SSS7045 | 7.0x45 mm |
| MSFX-SR1711        | 6.0x110 mm | MSFX-SSS7050 | 7.0x50 mm |
| MSFX-SR1712        | 6.0x120 mm | MSFX-SSS7055 | 7.0x55 mm |
| MSFX-SR1713        | 6.0x140 mm | MSFX-SSC15   | 15mm      |
| MSFX-SR1714        | 6.0x150 mm | MSFX-SSC20   | 20mm      |
| MSFX-SR1715        | 6.0x160 mm | MSFX-SOCNT   |           |
| MSFX-SR1716        | 6.0x170 mm |              |           |
| MSFX-SR1717        | 6.0x180 mm |              |           |
| MSFX-SR1718        | 6.0x190 mm |              |           |
| MSFX-SR1719        | 6.0x200 mm |              |           |
| <b>MSFX-SR1720</b> | 6.0x210 mm |              |           |
| MSFX-SR1721        | 6.0x220 mm |              |           |
| MSFX-SR1722        | 6.0x230 mm |              |           |
| MSFX-SR1723        | 6.0x240 mm |              |           |
| MSFX-SR1724        | 6.0x250 mm |              |           |
| MSFX-SR1725        | 6.0x260 mm |              |           |
| MSFX-SR1726        | 6.0x270 mm |              |           |
| MSFX-SR1727        | 6.0x280 mm |              |           |
| MSFX-SR1728        | 6.0x290 mm |              |           |
| MSFX-SR1729        | 6.0x300 mm |              |           |
| MSFX-SR1730        | 6.0x310 mm |              |           |
| MSFX-SR1731        | 6.0x320 mm |              |           |
| MSFX-SR1732        | 6.0x400 mm |              |           |
| MSFX-SR1740        | 6.0x480 mm |              |           |
| MSFX-SR1748        | 6.0x500 mm |              |           |
| MSFX-SR1750        | 6.0x600 mm |              |           |

Additional sizes available upon request

## Transverse Connector

| Code        | Size  |                                                                                   |
|-------------|-------|-----------------------------------------------------------------------------------|
| MSFX-TLH    |       |  |
| MSFX-TLR140 | 40 mm |                                                                                   |
| MSFX-TLR150 | 50mm  |                                                                                   |
| MSFX-TLR160 | 60 mm |                                                                                   |
| MSFX-TLR170 | 70 mm |                                                                                   |
| MSFX-TLR180 | 80 mm |                                                                                   |
| MSFX-MHTR   |       |                                                                                   |

## Multiaxial Transverse Connector

| Code         | Size     |                                                                                   |
|--------------|----------|-----------------------------------------------------------------------------------|
| MSFX-MTL4060 | 40-60 mm |  |
| MSFX-MTL6080 | 60-80 mm |                                                                                   |

## Lateral Iliac connector

| Code        | Size  |                                                                                    |
|-------------|-------|------------------------------------------------------------------------------------|
| MSFX-LCNT15 | 15 mm |  |
| MSFX-LCNT20 | 20 mm |                                                                                    |
| MSFX-LCNT25 | 25 mm |                                                                                    |
| MSFX-LCNT30 | 30 mm |                                                                                    |

## Domino Connector

| Code        |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| MSFX-ECNT01 |  |
| MSFX-ECNT02 |                                                                                     |
| MSFX-OCNT   |                                                                                     |

## Laminar Hooks

| Code         | Size    |                                                                                     |
|--------------|---------|-------------------------------------------------------------------------------------|
| MSFX-LH0505  | 5x5 mm  |  |
| MSFX-LH0507  | 5x7 mm  |                                                                                     |
| MSFX-LH0509  | 5x9 mm  |                                                                                     |
| MSFX-LH0706  | 7x6 mm  |                                                                                     |
| MSFX-LH0707  | 7x7 mm  |                                                                                     |
| MSFX-LH0709  | 7x9 mm  |                                                                                     |
| MSFX-LH0711  | 7x11 mm |                                                                                     |
| MSFX-LHF0505 | 5x5 mm  |                                                                                     |
| MSFX-LHF0507 | 5x7 mm  |                                                                                     |
| MSFX-LHLA709 | 7x9 mm  |                                                                                     |
| MSFX-LHLA711 | 7x11 mm |  |
| MSFX-LHRA709 | 7x9 mm  |                                                                                     |
| MSFX-LHRA711 | 7x11 mm |                                                                                     |

## Pedicular Hooks

| Code          | Size    |                                                                                       |
|---------------|---------|---------------------------------------------------------------------------------------|
| MSFX-HT3L0507 | 5x7 mm  |  |
| MSFX-HT3L0509 | 5x9 mm  |                                                                                       |
| MSFX-HT3L0511 | 5x11 mm |                                                                                       |
| MSFX-HT3R0507 | 5x7 mm  |                                                                                       |
| MSFX-HT3R0509 | 5x9 mm  |                                                                                       |
| MSFX-HT3R0511 | 5x11 mm |                                                                                       |
| MSFX-PH0805   | 8x5 mm  |                                                                                       |
| MSFX-PH0807   | 8x7 mm  |                                                                                       |
| MSFX-PH0809   | 8x9 mm  |                                                                                       |
| MSFX-PHF0505  | 5x5 mm  |                                                                                       |
| MSFX-PHF0507  | 5x7 mm  |                                                                                       |

Additional sizes available upon request

# LOT 5

|                                                         |                                                                                     |           |               |             |
|---------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|---------------|-------------|
| Arc-shaped Cervical Interbody Fusion Cage               |    | 2100-2201 | 12.7*15*4mm   | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2202 | 12.7*15*4.5mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2203 | 12.7*15*5mm   | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2204 | 12.7*15*5.5mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2205 | 12.7*15*6mm   | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2206 | 12.7*15*6.5mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2207 | 12.7*15*7mm   | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2208 | 12.7*15*8.5mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2209 | 12.7*15*10mm  | Ti6Al4V ELI |
| Anterior Lumbar Interbody Fusion Cage                   |    | 2100-2301 | 25*30*13.5mm  | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2302 | 25*30*15mm    | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2303 | 25*30*17mm    | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2304 | 25*30*19mm    | Ti6Al4V ELI |
| Posterior Lumbar Interbody Fusion Cage (Expansion Type) |    | 2100-2401 | 23.5*11*9mm   | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2402 | 23.5*11*11mm  | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2403 | 23.5*11*13mm  | Ti6Al4V ELI |
| Posterior Lumbar Interbody Fusion Cage                  |   | 2100-2501 | 8x10x20mm     | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2502 | 8x10x22mm     | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2503 | 8x10x26mm     | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2504 | 10x10x20mm    | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2505 | 10x10x22mm    | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2506 | 10x10x26mm    | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2507 | 12x10x20mm    | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2508 | 12x10x22mm    | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2509 | 12x10x26mm    | Ti6Al4V ELI |
| Titanium Mesh Cage (Prismatic Hole)                     |  | 2100-2601 | 10 x 40-100mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2602 | 12 x 40-100mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2603 | 14 x 40-100mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2604 | 16 x 40-100mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2605 | 18 x 40-100mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2606 | 20 x 40-100mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2607 | 24 x 40-100mm | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2608 | 28 x 40-100mm | Ti6Al4V ELI |
| Hook System                                             |                                                                                     |           |               |             |
| Laminar Hook                                            |  | 2100-2701 | Small         | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2702 | Medium        | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2703 | Large         | Ti6Al4V ELI |
| Pedicicle Hook                                          |  | 2100-2801 | Small         | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2802 | Medium        | Ti6Al4V ELI |
|                                                         |                                                                                     | 2100-2803 | Large         | Ti6Al4V ELI |

**PAJUNK®**

## ***TrokaBone / TrokaCut***

*Aspiration and puncture cannulas  
for bone marrow biopsy*



**Bone marrow biopsy**

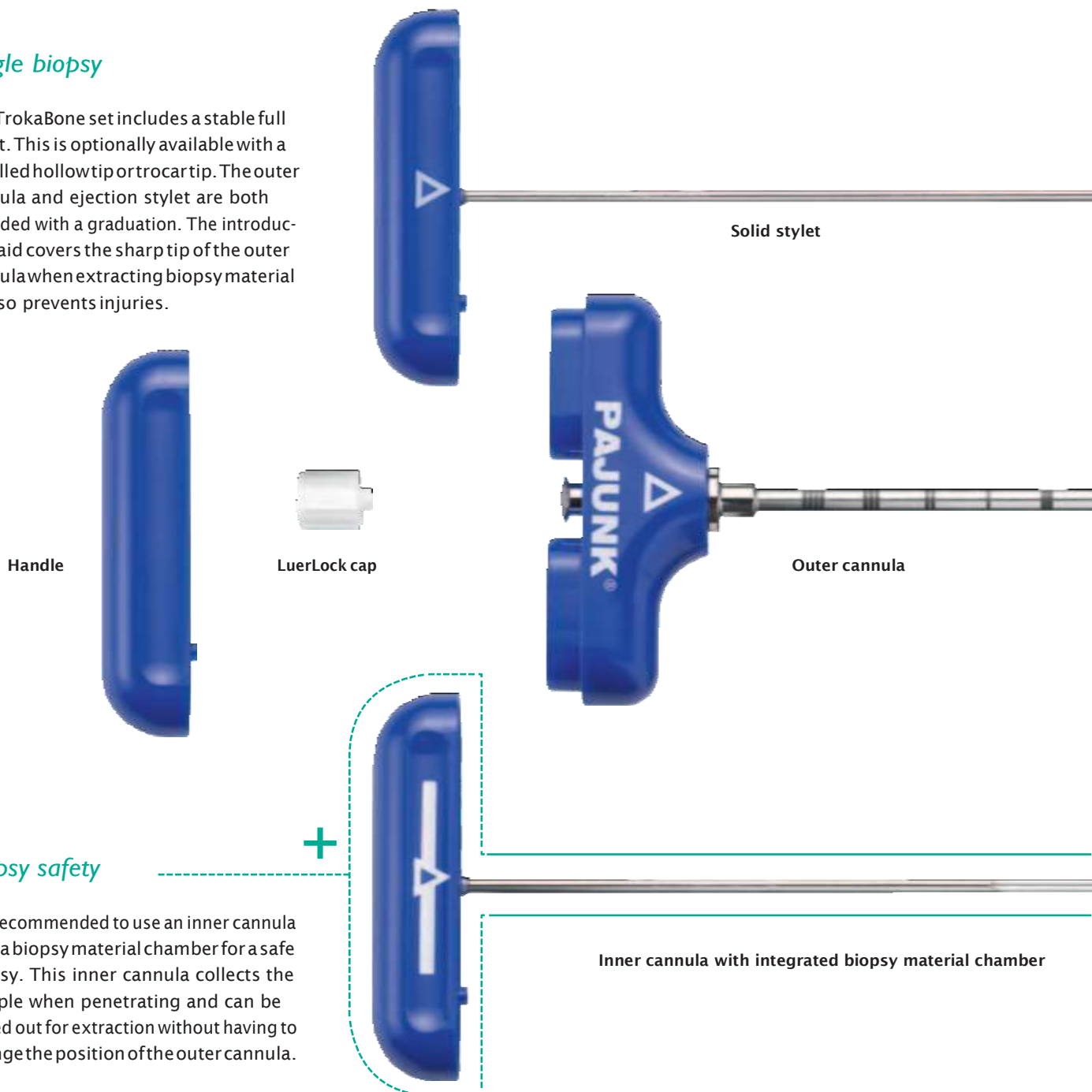
## TrokaBone

# The robust complete system with stainless steel connection

The TrokaBone puncture set of equipment from PAJUNK® consists of a modular system for the extraction of bone marrow samples. This set is very easy to use for puncture and aspiration. Fitted with an ergonomic handle and manufacturer in robust stainless steel, TrokaBone is characterised by its high level of stability.

### Single biopsy

The TrokaBone set includes a stable full stylet. This is optionally available with a bevelled hollow tip or trocar tip. The outer cannula and ejection stylet are both provided with a graduation. The introductory aid covers the sharp tip of the outer cannula when extracting biopsy material and so prevents injuries.



### Biopsy safety

It is recommended to use an inner cannula with a biopsy material chamber for a safe biopsy. This inner cannula collects the sample when penetrating and can be pulled out for extraction without having to change the position of the outer cannula.

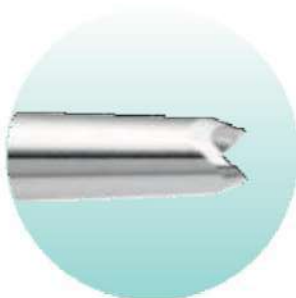
## TrokaBone

# Biopsy cannula with alternative tip geometries

A bevelled tip or trocar tip is used to puncture at the pelvic crest. The puncture cannula is advanced forward into the bone wall under clockwise / counter clockwise rotation while applying firm and constant pressure. When it has penetrated and the resistance is reduced, the stylet is pulled out. The outer cannula has a very sharp, serrated tip. The cannula continues to penetrate into the inside of the bone under rotary movements without problem. The cannula tip is cylindrical and tapers towards the front. This eases collection and subsequent extraction of the sample. At the same time, its conical shape contributes to the tissue cylinder maintaining its structure during tissue extraction.

### The essential features at a glance:

- ➔ anatomically shaped handle
- ➔ extremely sharp serrated tip of the outer cannula
- ➔ full stylet made of stainless steel with high stability
- ➔ cannula versions with bevelled tip, trocar tip and inner cannula
- ➔ tapered outer cannula for simplified sample extraction
- ➔ specially shaped internal lumen
- ➔ aspiration connection with LuerLock connector



Tapered cannula tip, serrated tip



Cutting tip with bevelled hollow grind



Sharp tip with trocar grind

## TrokaCut

| Product                                                              | Size                   | Art. No.   | PU |
|----------------------------------------------------------------------|------------------------|------------|----|
| Set for bone marrow biopsy with bevelled hollow tip                  | 13 G x 100 mm (2.4 mm) | 1147-1C010 | 5  |
|                                                                      | 11 G x 100 mm (3.0 mm) | 1147-1E010 | 5  |
|                                                                      | 11 G x 150 mm (3.0 mm) | 1147-1E015 | 5  |
|                                                                      | 8 G x 100 mm (4.0 mm)  | 1147-1I010 | 5  |
|                                                                      | 8 G x 150 mm (4.0 mm)  | 1147-1I015 | 5  |
| Set for bone marrow biopsy with bevelled hollow tip and innercannula | 11 G x 100 mm (3.0 mm) | 1147-6E010 | 5  |
|                                                                      | 8 G x 100 mm (4.0 mm)  | 1147-6I010 | 5  |



## TrokaBone

| Product                                       | Size                   | Bevelled hollow tip Trocar tip |            | PU |
|-----------------------------------------------|------------------------|--------------------------------|------------|----|
|                                               |                        | Art. No.                       | Art. No.   |    |
| Set for bone marrow biopsy with inner cannula | 13 G x 150 mm (2.4 mm) | 1145-1C015                     | 1145-2C015 | 5  |
|                                               | 11 G x 100 mm (3.0 mm) | 1145-1E010                     | 1145-2E010 | 5  |
|                                               | 11 G x 150 mm (3.0 mm) | 1145-1E015                     | 1145-2E015 | 5  |
|                                               | 8 G x 100 mm (4.0 mm)  | 1145-1I010                     | 1145-2I010 | 5  |
|                                               | 8 G x 150 mm (4.0 mm)  | 1145-1I015                     | 1145-2I015 | 5  |
| Set for bone marrow biopsy                    | 11 G x 100 mm (3.0 mm) | 1145-6E010                     |            | 5  |
|                                               | 8 G x 100 mm (4.0 mm)  | 1145-6I010                     |            | 5  |



## TrokaBone Sternal

Working length 5–25 mm

| Product                                      | Size                  | Art. No.   | PU |
|----------------------------------------------|-----------------------|------------|----|
| Set for bone marrow biopsy in sternum region | 18 G x 50 mm (1.2 mm) | 1146-1D025 | 5  |
|                                              | 17 G x 50 mm (1.5 mm) | 1146-1G025 | 5  |
|                                              | 15 G x 50 mm (1.8 mm) | 1146-1K025 | 5  |
|                                              | 14 G x 50 mm (2.0 mm) | 1146-1M025 | 5  |



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| Article                         | Packaging Size | Art.-No. |
|---------------------------------|----------------|----------|
| BonOs® Inject 1 x 24 CE-Version | 1 x 24 g       | 01-0310  |



# BonOs® Inject

Bone Cement for Spinal Applications



141-1010-03EN / 082020

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BonOs® Inject

PMMA is been used in orthopedics for almost 50 years. Within that time the indication fields have been extended step by step until in the 80's PMMA cements were applied in spinal surgery, too. There, they serve to stabilize, to fill cavities of erected vertebral bodies and to eliminate pain. For these specific indications BonOs® Inject was developed.

- BonOs® Inject fulfills all requirements for bone cements in spinal surgery:
- Suitable viscosity for vertebroplasty and kyphoplasty
  - Approved for the augmentation of pedicle screws where bone quality is poor, e.g. in patients with osteoporosis or degenerative or neoplastic changes.
  - Short mixing time, long application time
  - Fast achievement of application viscosity
  - High radiodensity with 45 % ZrO<sub>2</sub>
  - Good fatigue strength

Long application time

Both components bind quickly to a homogenous paste with the suitable viscosity for percutaneous injection. After a short mixing time, the surgeon has sufficient time for the transfer of BonOs® Inject in the application instruments followed by a long application time.

Max. Time [Min.] at 21°C\*

| Mixing | Filling of the application instruments and waiting time | Application | Hardening |
|--------|---------------------------------------------------------|-------------|-----------|
| 0.5 ▶  | 5.0 ▶                                                   | 7.5 ▶       | 9.0 ▶     |
| ▶ 0    |                                                         |             |           |
| 22 ▶   |                                                         |             |           |

Temperature-Time-chart (Example for 21°C)  
Test conditions: Application needle: ø 3 mm, length 210 mm, Syringe capacity: 1 ml  
\* For further information see the Instructions for Use

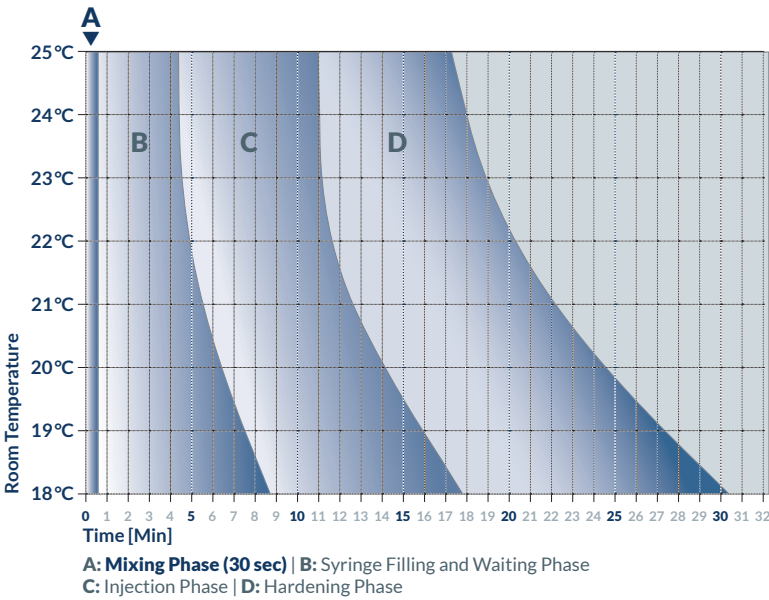
Bone cement volume

When both components of BonOs® Inject – powder and monomer – are mixed, the PMMA bone cement volume of 25 ml is generated. Depending on parameters such as temperature, mixing system, type of syringes and filling time the cement volume available for injection will differ.

| Syringe type | Available cement volume** for augmentation, if BonOs® Inject is mixed with EASYMIX® shaker | Available cement volume** for augmentation, if BonOs® Inject is mixed with ManuMix® |
|--------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1 ml         | 15 ml                                                                                      | 20 ml                                                                               |
| 3 ml         | 20 ml                                                                                      | 22 ml                                                                               |
| 6 ml         | 21 ml                                                                                      | 23 ml                                                                               |

Overview of the mean value of available cement volume for augmentation of BonOs® Inject used with different mixing systems and syringe types  
\*\* OSARTIS internal reports; Tests were conducted under standardized conditions (23°C)

Handling Chart BonOs® Inject (Temperature-Time-Graph)



Fast achievement of application viscosity

The composition of the polymers ensures a high initial cohesion and therefore reduces the risk of cement leakage. After a short waiting time the cement attains an ideal viscosity for application. BonOs® Inject can be used for vertebroplasty, kyphoplasty as well as for the augmentation of pedicle screws.

High radiopacity

The addition of zirconium dioxide (ZrO<sub>2</sub>) allows an optimal X-ray visualization of BonOs® Inject for a safe use.

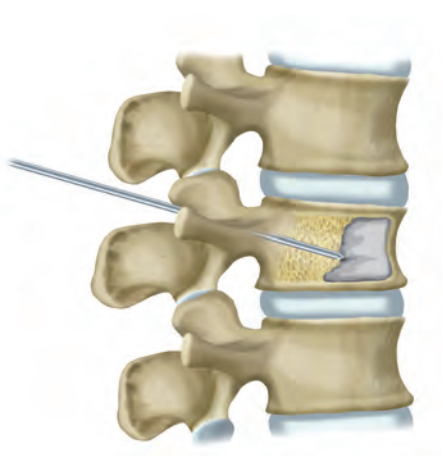
Good mechanical properties

The composition of BonOs® Inject guarantees optimized mechanical properties which exceed the respective requirements of the ISO 5833 standard. Thanks to its medium viscosity, BonOs® Inject can be used with all currently approved PMMA cements application tools.

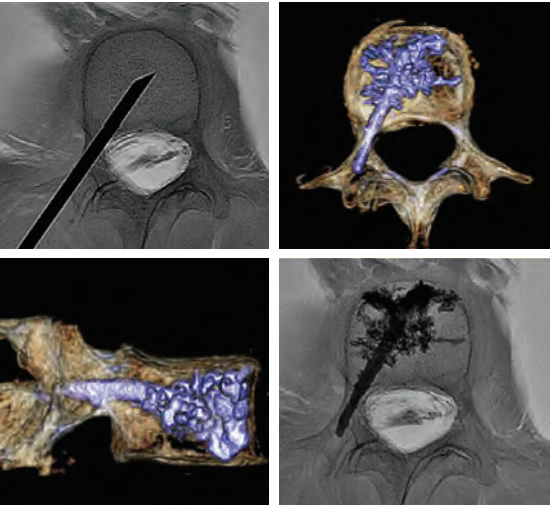
Chemical composition

| Powder (24 g)                              |         |
|--------------------------------------------|---------|
| Poly(methyl methacrylate)                  | 10.95 g |
| Poly(methyl acrylate/ methyl methacrylate) | 1.75 g  |
| Zirconium dioxide                          | 10.80 g |
| Benzoyl peroxide                           | 0.50 g  |

| Liquid (10 ml)       |         |
|----------------------|---------|
| Methyl methacrylate  | 9.93 ml |
| Dimethyl-p-toluidine | 0.07 ml |
| Hydroquinone         | 60 ppm  |



Example of a cemented vertebra



X-ray Images  
Cadaver Tests © PD Dr. K. Wilhelm, Bonn

LOT 6



## MIRACH Cervical Plate

### Features

- The locking system that secures screws for one-step locking
- The plate has a low profile and smooth surface designed to help minimize irritation.
- Simple surgical technique

## Cervical Plate



| Code        | Size |
|-------------|------|
| MSFX-CAP17  | 17   |
| MSFX-CAP20  | 20   |
| MSFX-CAP23  | 23   |
| MSFX-CAP25  | 25   |
| MSFX-CAP27  | 27   |
| MSFX-CAP30  | 30   |
| MSFX-CAP33  | 33   |
| MSFX-CAP36  | 36   |
| MSFX-CAP40  | 40   |
| MSFX-CAP45  | 45   |
| MSFX-CAP50  | 50   |
| MSFX-CAP55  | 55   |
| MSFX-CAP60  | 60   |
| MSFX-CAP65  | 65   |
| MSFX-CAP70  | 70   |
| MSFX-CAP75  | 75   |
| MSFX-CAP80  | 80   |
| MSFX-CAP90  | 90   |
| MSFX-CAP100 | 100  |



## Cervical Plate Screws



| Code         | Size      |
|--------------|-----------|
| MSFX-CAPS12  | 4.0x12 mm |
| MSFX-CAPS14  | 4.0x14 mm |
| MSFX-CAPS16  | 4.0x16 mm |
| MSFX-CAPS18  | 4.0x18 mm |
| MSFX-CAPS20  | 4.0x20 mm |
| MSFX-CAPSR12 | 4.5x12 mm |
| MSFX-CAPSR14 | 4.5x14 mm |
| MSFX-CAPSR16 | 4.5x16 mm |
| MSFX-CAPSR18 | 4.5x18 mm |
| MSFX-CAPSR20 | 4.5x20 mm |



## TUREIS Tlif Cage



### Features

- Bi-convex graft contour, with 0° and 4° angle of lordosis, conforms easily to the concavity of the endplate
- Structure on the surface, minimizing the risk of expulsion
- Large contact area, minimizing the risk of subsidence
- Large graft area, maximizing the chances of a successful fusion
- Simple, ergonomic and intelligent instrumentation

| Code        | Height | Length | Width | Code         | Height | Length | Width | Angled |
|-------------|--------|--------|-------|--------------|--------|--------|-------|--------|
| MSFX-BC2407 | 7      | 24     | 10    | MSFX-BCA2407 | 7      | 24     | 10    | 4°     |
| MSFX-BC2408 | 8      | 24     | 10    | MSFX-BCA2408 | 8      | 24     | 10    | 4°     |
| MSFX-BC2409 | 9      | 24     | 10    | MSFX-BCA2409 | 9      | 24     | 10    | 4°     |
| MSFX-BC2410 | 10     | 24     | 10    | MSFX-BCA2410 | 10     | 24     | 10    | 4°     |
| MSFX-BC2411 | 11     | 24     | 10    | MSFX-BCA2411 | 11     | 24     | 10    | 4°     |
| MSFX-BC2412 | 12     | 24     | 10    | MSFX-BCA2412 | 12     | 24     | 10    | 4°     |
| MSFX-BC2413 | 13     | 24     | 10    | MSFX-BCA2413 | 13     | 24     | 10    | 4°     |
| MSFX-BC2807 | 7      | 28     | 10    | MSFX-BCA2807 | 7      | 28     | 10    | 4°     |
| MSFX-BC2808 | 8      | 28     | 10    | MSFX-BCA2808 | 8      | 28     | 10    | 4°     |
| MSFX-BC2809 | 9      | 28     | 10    | MSFX-BCA2809 | 9      | 28     | 10    | 4°     |
| MSFX-BC2810 | 10     | 28     | 10    | MSFX-BCA2810 | 10     | 28     | 10    | 4°     |
| MSFX-BC2811 | 11     | 28     | 10    | MSFX-BCA2811 | 11     | 28     | 10    | 4°     |
| MSFX-BC2812 | 12     | 28     | 10    | MSFX-BCA2812 | 12     | 28     | 10    | 4°     |
| MSFX-BC2813 | 13     | 28     | 10    | MSFX-BCA2813 | 13     | 28     | 10    | 4°     |
| MSFX-BC3207 | 7      | 32     | 10    | MSFX-BCA3207 | 7      | 32     | 10    | 4°     |
| MSFX-BC3208 | 8      | 32     | 10    | MSFX-BCA3208 | 8      | 32     | 10    | 4°     |
| MSFX-BC3209 | 9      | 32     | 10    | MSFX-BCA3209 | 9      | 32     | 10    | 4°     |
| MSFX-BC3210 | 10     | 32     | 10    | MSFX-BCA3210 | 10     | 32     | 10    | 4°     |
| MSFX-BC3211 | 11     | 32     | 10    | MSFX-BCA3211 | 11     | 32     | 10    | 4°     |
| MSFX-BC3213 | 13     | 32     | 10    | MSFX-BCA3213 | 13     | 32     | 10    | 4°     |
| MSFX-BC3215 | 15     | 32     | 10    | MSFX-BCA3215 | 15     | 32     | 10    | 4°     |



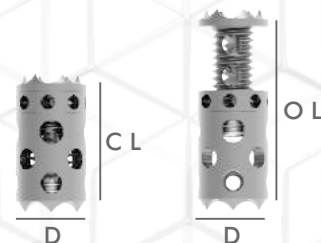


## REGULUS-C Corpectomy Cage

### Features

- Full contact with angled surface
- Teeth on the surface, minimizing the risk of expulsion
- Angled inferior and superior area allow a complete contact with vertebral surface and composed by one piece.
- With an efficient grafting space, the system allows applying graft before distraction and provides a one stage locking mechanism.

| Code        | Diameter | Closed Length | Open Length | Angled |
|-------------|----------|---------------|-------------|--------|
| MCTC101013  | 10       | 10            | 13          |        |
| MCTC101317  | 10       | 13            | 17          |        |
| MCTC101625  | 10       | 16            | 25          |        |
| MCTC121013  | 12       | 10            | 13          |        |
| MCTC121317  | 12       | 13            | 17          |        |
| MCTC121625  | 12       | 16            | 25          |        |
| MCTC122440  | 12       | 24            | 40          |        |
| MCTC123965  | 12       | 39            | 65          |        |
| MCTC141013  | 14       | 10            | 13          |        |
| MCTC141317  | 14       | 13            | 17          |        |
| MCTC141625  | 14       | 16            | 25          |        |
| MCTC142440  | 14       | 24            | 40          |        |
| MCTC143965  | 14       | 39            | 65          |        |
| MCTC161013  | 16       | 10            | 13          |        |
| MCTC161317  | 16       | 13            | 17          |        |
| MCTC161625  | 16       | 16            | 25          |        |
| MCTC162440  | 16       | 24            | 40          |        |
| MCTC163965  | 16       | 39            | 65          |        |
| MCTC201013  | 20       | 10            | 13          |        |
| MCTC201317  | 20       | 13            | 17          |        |
| MCTC201625  | 20       | 16            | 25          |        |
| MCTC1216256 | 12       | 16            | 25          | 6°     |
| MCTC1224406 | 12       | 24            | 40          | 6°     |
| MCTC1239656 | 12       | 39            | 65          | 6°     |
| MCTC1416256 | 14       | 16            | 25          | 6°     |
| MCTC1424406 | 14       | 24            | 40          | 6°     |
| MCTC1439656 | 14       | 39            | 65          | 6°     |





Product Service

# EC Certificate

## Full Quality Assurance System

Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)  
(Devices in Class IIa, Mb or III)

No. G1 18 06 05033 001

**Manufacturer:****OSARTIS GmbH**

LagerstralJe 11-15  
64807 Dieburg  
GERMANY

**Facility(ies):**

OSARTIS GmbH  
LagerstralJe 11-15, 64807 Dieburg, GERMANY

OSARTIS GmbH  
Nordring 29, 64807 Dieburg, GERMANY

OSARTIS GmbH  
BenzstralJe 4, 64807 Dieburg, GERMANY

**Product****Category(ies):**

**Mixing and delivery devices for bone cements  
and sterile accessories (class IIa), bone substitute  
materials (class III), bone cements (class Mb + class III),  
and collagen products (class III)**

The Certification Body of TOV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex II. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class III devices an additional Annex II (4) certificate is mandatory. See also notes overleaf.

**Report No.:**

713128814

**Valid from:**

2020-10-02

**Valid until:**

2024-10-01

Date, 2020-10-02

Stefan PreilJ



TOV SÜD Product Service GmbH is Notified Body with identification no. 0123

Page 1 of 1



# Certificate

No. Q5 107266 0011 Rev. 00

**Holder of Certificate:** **OSARTIS GmbH**

Auf der Beune 101  
64839 Münster  
GERMANY

**Facility(ies):**

OSARTIS GmbH  
Auf der Beune 101, 64839 Münster, GERMANY

OSARTIS GmbH  
Lagerstraße 11-15, 64807 Dieburg, GERMANY

OSARTIS GmbH  
Nordring 29, 64807 Dieburg, GERMANY

OSARTIS GmbH  
Benzstraße 4, 64807 Dieburg, GERMANY

**Certification Mark:**



**Scope of Certificate:**

**Design and Development, Production and Distribution of Bone Cements, Mixing and Delivery Devices for Bone Cements (Including Accessories), Cementing Technique, Bone Substitute Materials including Application Devices, Collagen Products**

**Applied Standard(s):**

EN ISO 13485:2016  
Medical devices - Quality management systems -  
Requirements for regulatory purposes  
(ISO 13485:2016)  
DIN EN ISO 13485:2016

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). See also notes overleaf.

**Report No.:** 713182104  
**Valid from:** 2020-05-28  
**Valid until:** 2023-04-30

**Date,** 2020-05-28

Christoph Dicks  
Head of Certification/Notified Body

# EC CERTIFICATE

## for the Quality Assurance System



according the directive 93/42/EEC,  
Annex II excluding section (4)

As a notified body of the European Union, DEKRA Certification GmbH certifies, that the company

**PAJUNK GmbH Medizintechnologie**

Karl-Hall-Straße 1, 78187 Geisingen, Germany

applies a quality assurance system for the medical devices listed in the annex according to the directive 93/42/EEC annex II. The approval is based on the result of the re-certification audit report no. 51365-2-00, the decision dated 2020-09-20 is only valid in connection with the successful performance of the annual surveillance audits.

Date of the first certification: 2010-03-22

Date of the last recertification: 2020-09-22

This certificate is valid until: 2024-09-21

Certificate registration No.: 51365-16-01

DEKRA Certification GmbH  
Stuttgart, 2015-03-20

Notified Body ID-number: 0124



Benannt durch  
Zentralstelle der Länder  
für Gesundheitsschutz  
bei Arzneimitteln und  
Medizinprodukten  
ZLG-BS-295.10.02

Lack of fulfilment on conditions as set out in the Certification Agreement may render this certificate invalid.

**EC Certificate**  
**Directive 93/42/EEC Annex ii, excluding Section 4**  
**Full Quality Assurance System**  
**Medical Devices**

**Registration No.:** HD 60126784 0001

**Report No.:** 15099781 001

**Manufacturer:** Jiangsu Jinlu Group Medical Device  
Co., Ltd.  
Jinfeng Town  
Zhangjiagang City  
215625 Jiangsu  
China

**Products:**

- Metal Bone Plates & Screw Systems
- Metallic Cannulated Bone Screws
- Metallic Interlocking Intramedullary Nails
- Spinal Fixation Devices
- External Fixation Devices with Needles
- Suture Wires

**Expiry Date:** 2024-12-11

The Notified Body hereby declares that the requirements of Annex II, excluding section 4 of the directive 93/42/EEC have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance, defined by Annex II, section 5 of the aforementioned directive. For placing on the market of class III devices covered by this certificate an EC design-examination certificate according to Annex II, section 4 is required.

**Effective Date:** 2020-12-11

**Date:** 2020-12-11

Notified Body



**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

TÜV Rheinland LGA Products GmbH is a Notified Body according to Directive 93/42/EEC concerning medical devices with the identification number 0197.

# Certificate

The Certification Body of  
**TÜV Rheinland LGA Products GmbH**

hereby certifies that the organization

**Jiangsu Jinlu Group Medical Device  
Co., Ltd.  
Jinfeng Town  
Zhangjiagang City  
215625 Jiangsu  
China**

has established and applies a quality management system for medical devices  
for the following scope:

**Design and Development, Manufacture and Distribution of  
Medical Devices  
(see attachment for products included)**

Proof has been furnished that the requirements specified in

**EN ISO 13485:2016**

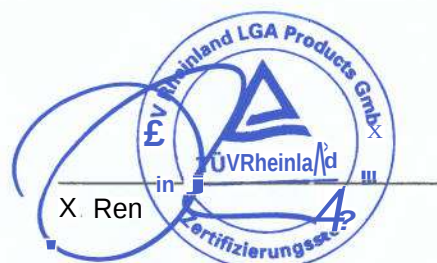
are fulfilled. The quality management system is subject to yearly surveillance.

Effective Date: 2020-06-30  
Certificate Registration No.: SX 60125147 0001  
An audit was performed Report No.: 15097822 001  
This Certificate is valid until: 2024-06-30

Certification Body



Date 2020-06-30



**TÜV Rheinland LGA Products GmbH - Tillystralie 2 - 90431 Nürnberg**  
Tel : +49 221 806-1371 Fax: +49 221 806-3935 e-mail: cert-validity@de.tuv.com <http://www.tuv.com/safety>

## EC CERTIFICATE AT SERTİFİKA

According to Annex II of the Directive 93/42/EEC on Medical Devices  
93/42/AT Tıbbi Cihaz Yönetmeliği Ek II'ye göre

### Full Quality Assurance System Tam Kalite Güvencesi

Certificate Number: 2195-MED-1404201  
Sertifika Numarası

Manufacturer:  
Üretici

TRİA SPİNE MEDİKAL LTD. ŞTİ.

Head Office/Merkez: 1551. Sok. No:35/33 İvedik OSB Yenimahalle Ankara TÜRKİYE

Factory/Fabrika: 1551. Sok. No:35/21 İvedik OSB Yenimahalle Ankara TÜRKİYE

Product(s):  
Ürün(ler)

Sterile and Non-Sterile Spinal System Implants  
Steril ve Steril Olmayan Spinal Sistem Implantları

Model(s):  
Model(ler)

Product specifications are given on the second page.  
Ürün detayları ikinci sayfada verilmiştir.

Reference Report No:  
Referans Rapor No

MM0572-P005-R01, MM0572-P005-R02, MM0572-P005-R03

Szutest, Notified Body 2195, declares that the aforementioned manufacturer has implemented a quality assurance system according to Annex II (excluding section 4), Section 3 of the directive 93/42/EEC on medical devices. This quality assurance system covers those aspects of manufacturing concerned with securing and maintaining safe conditions of the respective product(s) and conforms to the provisions of this Directive. The approved quality system is subject to surveillance pursuant to Annex II, Section 5 of Directive 93/42/EEC and unannounced audits.

Szutest must be informed of any significant changes in the design and/or construction of the product(s). For class I devices with sterile conditions the quality management system evaluation is restricted to the aspects of manufacture concerned with securing and maintaining sterile conditions. For class I devices with measuring function the quality management system evaluation is restricted to the aspects of manufacture concerned with the conformity of the devices with metrological requirements

2195 kimlik numaralı Onaylanmış Kuruluş Szutest, yukarıda belirtilen üreticinin 93/42/AT Tıbbi Cihaz Yönetmeliği EK II(madde 4 hariç) madde 3'üne göre bir kalite yönetim sistemi uyguladığını, bu yönetim sisteminin yönetmeliğin sadece bahsi geçen ürünün üretiminin güvenlik koşullarını sağlama ve devam ettirme ile ilgili gerekliliklerin karşıladığını beyan eder. Onaylanan bu kalite yönetim sistemi, 93/42/AT Tıbbi Cihaz Yönetmeliği EK II, Madde 5'e göre periyodik olarak gözetime ve habersiz saha denetimlerine tabidir.

Üretici, ürünlerinin tasarımında ve yapısında gerçekleştirdiği önemli değişiklikleri Szutest'e bildirmek zorundadır. Steril kondisyondaki sınıf I ürünler için kalite yönetim sistemi değerlendirmesi üretimin steril kondisyonun sağlanması ve korunmasıyla limitlidir. Ölçüm fonksiyonlu sınıf I ürünler için Kalite yönetim sistemi değerlendirmesi üretimin cihazların metrolojik şartlara uyumunu sağlamasıyla limitlidir.

This EC certificate is valid till 2024-05-26.

Bu AT Sertifikası 2024-05-26 tarihine kadar geçerlidir.

Issue Date/Yayın Tarihi:

2014-02-11

Revision No./ Revizyon No.:

05 Recertification/Yeniden Belgelendirme

Revision Date/ Revizyon Tarihi:

2020-03-27

Rukiye BALKAN

Deputy General Manager  
Genel Müdür Yardımcısı



# Certificate

SQS herewith certifies that the company named below has a management system which meets the requirements of the standard specified below.



**Spineart SA**  
**Chemin du Pré-Fleuri 3**  
**1228 Plan-les-Ouates**  
**Switzerland**

Scope of certification

**According to appendix**

Field of activity

**Design, manufacturing and sales of sterile  
and non-sterile spine medical devices**

Normative base

**EN ISO 13485:2016 Medical devices –  
Quality Management System**

Validity 03.10.2017 – 02.2022  
Issue 27.06.2018

Reg. no. H31786

X. Edelmann, President SQS

R. Glauser, CEO SQS



sqs.ch



Swiss Association for Quality and  
Management Systems SQS  
Bernstrasse 103, 3052 Zollikofen, Switzerland



Swiss Made



## CERTIFICATE



Medical Devices Quality Management System  
CERTIFICATE NO: 31910501

### Tria Spine Medical Ltd. Şti.

Head Office : 1551. Sok. No:35 / 33 İvedik OSB Yenimahalle, Ankara TÜRKİYE

Factory : 1551. Sok. No:35 / 21 İvedik OSB Yenimahalle, Ankara TÜRKİYE

**EN ISO 13485:2016**

**Design, Production and Sales of Sterile and Non-Sterile Neurosurgery  
and Non-Sterile Trauma Implants and Spinal Surgical Instruments**

Approves that the Medical Devices Quality Management System implemented for above scope.

Issue Date 15.04.2019  
Expiry Date 14.04.2023



TÜRKAK BDS NO  
YS-79CB-B206



Deputy General Manager

The certificate inquiry is made by reading the QR codes by mobile devices, providing necessary information on  
<http://public.szutest.com.tr> or by using BDS No on <https://tdbs.turkak.org.tr>.

# Certificate of Registration

This is to certify that

**Quality Management System  
for Medical Devices**

of

**MİKRON MAKİNA  
SANAYİ VE TİCARET LİMİTED ŞİRKETİ**

**İVEDİK ORGANİZE SANAYİ BÖLGESİ MAH. AĞAÇ İŞLERİ SANAYİ SİTESİ. 1372. SOK. NO:31  
YENİMAHALLE - ANKARA / TÜRKİYE**

**MANUFACTURING SITE: DAĞYAKA MAH. DAĞYAKA CAD. NO:38 KAHRAMANKAZAN ANKARA / TÜRKİYE**

complies with requirements of

## ISO 13485:2016

This certificate is valid concerning all activities related to;

SPİNAL VE TRAVMA İMPLANTLARI, AMELİYAT EL ALETLERİ VE  
GENEL EL ALETLERİ TASARIMI ÜRETİMİ VE DAĞITIMI

DESIGN, MANUFACTURE AND DISTRIBUTION OF SPINAL & TRAUMA IMPLANTS,  
SURGICAL INSTRUMENTS AND GENERAL INSTRUMENTS

ISO 02 848 1089  
*Certificate No.*

Feb. 11, 2021  
*Date of this Certificate*

Mar. 3, 2022  
*\*Next Audit Due Date*

Mar. 4, 2020  
*Date of Initial Registration*

Mar. 3, 2023  
*Certification Expiry Date*

  
*Managing Director / Director*



Medicert Uluslararası Ürün Ve Sistem Belgelendirme Ltd. Şti.  
Tersane Mah. Cemal Gürsel Cad. No:11/3 Halide Hnm. Apt. Karşıyaka / İzmir  
Tel: 0232 327 33 44 www.medicert.com.tr info@medicert.com.tr

This certificate is only valid if it is available/valid on Medicert website at www.medicert.com.tr

This certificate of Registration remains the property of Medicert Certificate Ltd and shall be returned immediately upon request  
\* In Case if Surveillance Audit is not allowed to be conducted on or before the specified date; the Certificate shall be Suspended/Withdrawn.





# C E R T I F I C A T E

## Full Quality Assurance System

### Medical Devices Directive 93/42/EEC Annex II (Excluding Section 4)

Company Name : Mikron Makina Sanayi ve Ticaret Ltd. Şti.

Company Address : İvedik OSB Mah. Ağaç İşleri Sanayi Sitesi 1372. Sk. No:31 Yenimahalle  
ANKARA / TURKEY

Manufacturing Site (Branch Office) : Dağyaka Mah. Dağyaka Cad. No:38 Kahramankazan  
ANKARA / TURKEY

Related Directives and Annex : 93/42/EEC Medical Devices Directive - Annex II (Excluding Section 4)

Product : Non-Sterile Spinal Screw Rod System - Class IIb  
Sterile Cervical & Lomber Peek Cages - Class IIb  
Non-Sterile Corpectomy Cages - Class IIb  
Sterile Cervical Mobile Disc Prosthesis - Class IIb  
Non-Sterile Plates - Class IIb  
Non-Sterile Bone Plates & Bone Screw - Class IIb

GMDN : 37272, 43084, 38161, 34170, 46647, 56642, 35685, 58446, 48011,  
61325, 32854

Product Types are attached.

Certificate Number : M.2017.106.8497

Report Number : MD.3468.YB

Initial Assessment Date : 22.05.2017

Registration Date : 07.06.2017

Recertification Assessment Date : 20.12.2019

Reissue Date / No : 15.04.2020/01

Revision Date /No : -

Expiry Date : 27.05.2024



UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.



UDEM hereby declares that the requirements of Annex II, excluding section 4 of the 93/42/EEC Directive have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance audits, defined by Annex II, section 5 of the forementioned directive. According to Annex II, section 4 an EC design- examination certificate is required for placing the Class III devices on the market. UDEM's responsibility for class I devices covered by the EC certificate is limited to manufacturing issues related to safeguarding and maintaining sterile conditions, if the device is sterile; and manufacturing issues related to product's conformity with metrological requirements, if it has measurement function. This certificate remains as the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named company and UDEM must keep a copy of this certificate for 5 years from the registration of the certificate. Usage of the CE mark is under the responsibility of the manufacturer with the completion of EC Declaration of Conformity. The above mentioned company must notify all changes related with the approved product to UDEM. If UDEM will not renew the expiry date of this certificate in question, the mentioned company should stop placing the product on the market. The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr).

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|                                                                                 |       |
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