



1.2 / 1.5 / 2.0 mm System



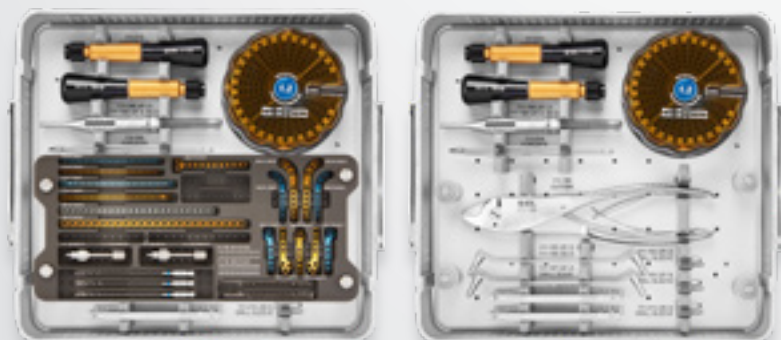
# Contents

|    |                              |
|----|------------------------------|
| 4  | Features & Benefits          |
|    | Ordering Information         |
| 6  | - Plates                     |
| 12 | - Screws                     |
| 14 | - Instruments                |
| 21 | Set Configuration Suggestion |



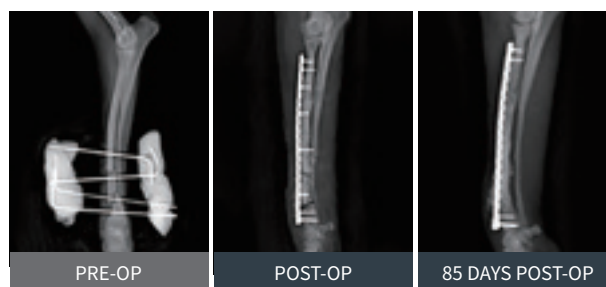
1.2/1.5/2.0 mm System

Standard Osteosynthesis for Small Pets

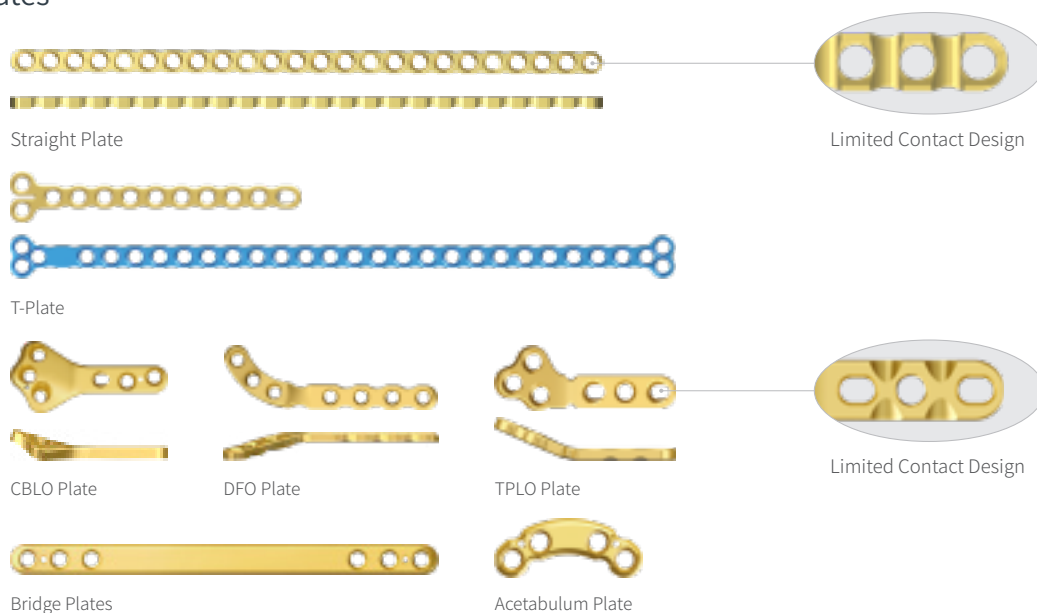


## General Features

- Anatomically pre-contoured
- Material: Titanium Alloy
- Left & right plate variation for anatomical fitting
- Limited contact design for better blood supply
- Variable locking system up to  $\pm 15^\circ$
- Plate thickness 1.4 ~ 2.5 mm
- Both Rigid (Gold) and Flexible (Blue) types available
- Disposable battery power driver available (optional)
- Various plate shapes



## Plates

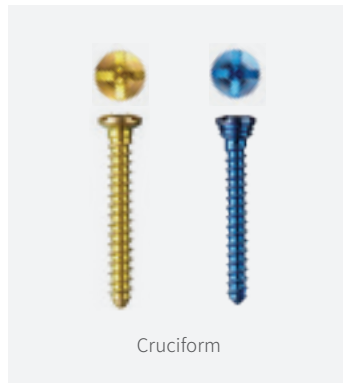


## Plate Specifications

| Types            | Size |          | Thickness | Color    | Material       |
|------------------|------|----------|-----------|----------|----------------|
| Straight Plate   | Z12  | Flexible | 1.4 mm    | Blue ●   | Titanium Alloy |
|                  |      | Rigid    | 1.7 mm    | Gold ●   |                |
|                  | Z20  | Middle   | 2.0 mm    | Silver ● |                |
|                  |      | Rigid    | 2.2 mm    | Gold ●   |                |
| T Plate          | Z12  | Flexible | 1.4 mm    | Blue ●   |                |
|                  |      | Rigid    | 1.7 mm    | Gold ●   |                |
|                  | Z20  | Rigid    | 2.0 mm    | Gold ●   |                |
| TPLO Plate       | Z20  | Flexible | 2.0 mm    | Blue ●   |                |
|                  |      | Rigid    | 2.0 mm    | Gold ●   |                |
| DFO Plate        | Z20  | Flexible | 2.0 mm    | Blue ●   |                |
|                  |      | Rigid    | 2.0 mm    | Gold ●   |                |
| CBLO Plate       | Z20  | Rigid    | 2.5 mm    | Gold ●   |                |
| Acetabulum Plate | Z20  | Rigid    | 2.0 mm    | Gold ●   |                |
| Bridge Plate     | Z20  | Rigid    | 2.0 mm    | Gold ●   |                |

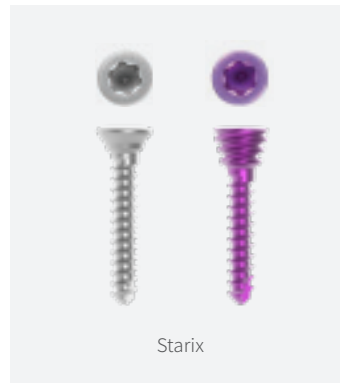
## Screws

Self-retaining cruciform and starix connection between screw head and screwdriver shaft



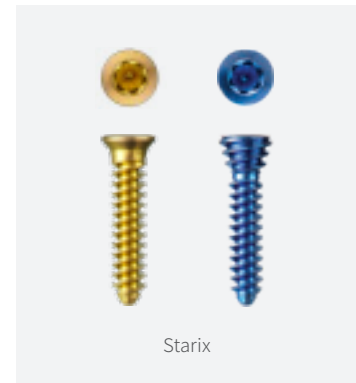
Cruciform

Ø 1.2 mm Screws



Starix

Ø 1.5 mm Screws

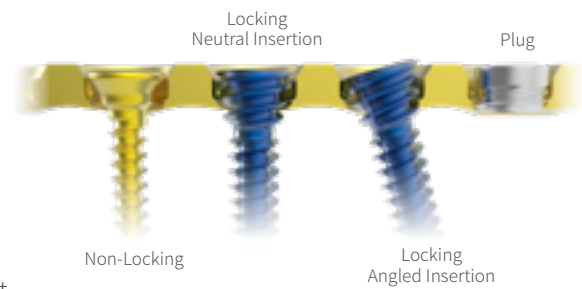


Starix

Ø 2.0 mm Screws

## Screw Variations

- Material: Titanium Alloy
- Locking & Non-locking variation available
- Variable locking system up to  $\pm 15^\circ$
- Diameter: Ø 1.2, Ø 1.5, Ø 2.0
- Length: 4 ~ 24 mm
- STARIX Pick-up for better torque transmission and less cam-out



## Screw Specifications

| Screw Types                  | Outer Diameter | Length    | Insertion Types | Screw Head Recess | Color  | Material       |
|------------------------------|----------------|-----------|-----------------|-------------------|--------|----------------|
| Cortical Screw (Non-Locking) | Ø 1.2 mm       | 4 ~ 16 mm | Self-Tapping    | Cruciform         | Gold   | Titanium Alloy |
|                              | Ø 1.5 mm       | 6 ~ 24 mm | Self-Tapping    | Starix            | Silver |                |
|                              | Ø 2.0 mm       | 6 ~ 24 mm | Self-Tapping    | Starix            | Gold   |                |
| Locking Screw                | Ø 1.2 mm       | 4 ~ 16 mm | Self-Tapping    | Cruciform         | Blue   |                |
|                              | Ø 1.5 mm       | 6 ~ 24 mm | Self-Tapping    | Starix            | Purple |                |
|                              | Ø 2.0 mm       | 6 ~ 24 mm | Self-Tapping    | Starix            | Blue   |                |

# ARIX Vet System Plates

## Straight Plates



Z12-ST-024-F



Z12-ST-024-R



Z20-ST-024-M



Z20-ST-024-R

\* Illustrated scale 1:1

| Code         | Type     | Width  | Length   | Holes | Thickness | Color  | Set Quantity |
|--------------|----------|--------|----------|-------|-----------|--------|--------------|
| Z12-ST-024-F | Flexible | 3.0 mm | 77.1 mm  | 24    | 1.4 mm    | Blue   | 4            |
| Z12-ST-024-R | Rigid    | 3.5 mm | 77.6 mm  | 24    | 1.7 mm    | Gold   | 4            |
| Z20-ST-024-M | Middle   | 5.0 mm | 121.0 mm | 24    | 2.0 mm    | Silver | 4            |
| Z20-ST-024-R | Rigid    | 6.0 mm | 145.0 mm | 24    | 2.2 mm    | Gold   | 4            |

## Normal Straight Plates



Z12-ST-120-N



Z15-ST-124-N



Z20-ST-124-N

\* Illustrated scale 1:1

| Code         | Type   | Width  | Length   | Holes | Thickness | Color  | Set Quantity |
|--------------|--------|--------|----------|-------|-----------|--------|--------------|
| Z12-ST-120-N | Rigid  | 4.0 mm | 80.5 mm  | 20    | 1.7 mm    | Gold   | Optional     |
| Z15-ST-124-N | Middle | 5.0 mm | 121.0 mm | 24    | 2.0 mm    | Silver | Optional     |
| Z20-ST-124-N | Rigid  | 6.0 mm | 145.0 mm | 24    | 2.2 mm    | Gold   | Optional     |

## Reconstruction Plates



Z12-ST-120-F



Z12-ST-116-R



Z20-ST-116-M



Z20-ST-118-R

\* Illustrated scale 1:1

| Code         | Type     | Width  | Length   | Holes | Thickness | Color  | Set Quantity |
|--------------|----------|--------|----------|-------|-----------|--------|--------------|
| Z12-ST-120-F | Flexible | 3.5 mm | 80.0 mm  | 20    | 1.4 mm    | Blue   | Optional     |
| Z12-ST-116-R | Rigid    | 4.0 mm | 79.5 mm  | 16    | 1.7 mm    | Gold   | Optional     |
| Z20-ST-116-M | Middle   | 5.5 mm | 111.5 mm | 16    | 2.0 mm    | Silver | Optional     |
| Z20-ST-118-R | Rigid    | 6.5 mm | 143.5 mm | 18    | 2.2 mm    | Gold   | Optional     |

## T Plates



Z12-TT-029-F



Z12-TT-124-F



Z12-TT-029-R



Z12-TT-120-R



Z20-TT-012-R

\* Illustrated scale 1:1

| Code         | Type     | Width                           | Length  | Holes | Thickness | Color | Set Quantity |
|--------------|----------|---------------------------------|---------|-------|-----------|-------|--------------|
| Z12-TT-029-F | Flexible | Head : 5.7 mm / Shaft : 3.0 mm  | 87.4 mm | 29    | 1.4 mm    | Blue  | 4            |
| Z12-TT-029-R | Rigid    | Head : 6.4 mm / Shaft : 4.0 mm  | 87.4 mm | 29    | 1.7 mm    | Gold  | 4            |
| Z12-TT-124-F | Flexible | Head : 7.0 mm / Shaft : 3.5 mm  | 89.2 mm | 24    | 1.4 mm    | Blue  | Optional     |
| Z12-TT-120-R | Rigid    | Head : 7.0 mm / Shaft : 4.0 mm  | 89.2 mm | 20    | 1.7 mm    | Gold  | Optional     |
| Z20-TT-012-R | Rigid    | Head : 10.0 mm / Shaft : 4.5 mm | 56.8 mm | 12    | 2.0 mm    | Gold  | 4            |



## ARIX Vet System Plates

### TPLO Plates (7 holes)



\* Illustrated scale 1:1

| Code         | Type            | Width                           | Length  | Holes | Thickness | Color | Set Quantity |
|--------------|-----------------|---------------------------------|---------|-------|-----------|-------|--------------|
| Z20-TL-007-F | Flexible, Left  | Head : 8.7 mm / Shaft : 4.3 mm  | 33.0 mm | 7     | 2.0 mm    | Blue  | 2            |
| Z20-TL-007-R | Rigid, Left     | Head : 10.8 mm / Shaft : 4.7 mm | 36.0 mm | 7     | 2.0 mm    | Gold  | 2            |
| Z20-TM-007-R | Rigid, Middle   | Head : 9.0 mm / Shaft : 4.7 mm  | 35.0 mm | 7     | 2.0 mm    | Gold  | 2            |
| Z20-TR-007-F | Flexible, Right | Head : 8.7 mm / Shaft : 4.3 mm  | 33.0 mm | 7     | 2.0 mm    | Blue  | 2            |
| Z20-TR-007-R | Rigid, Right    | Head : 10.8 mm / Shaft : 4.7 mm | 36.0 mm | 7     | 2.0 mm    | Gold  | 2            |

### TPLO Plates (6 holes)



\* Illustrated scale 1:1

| Code         | Type            | Width                           | Length  | Holes | Thickness | Color | Set Quantity |
|--------------|-----------------|---------------------------------|---------|-------|-----------|-------|--------------|
| Z20-TL-106-F | Flexible, Left  | Head : 8.7 mm / Shaft : 5.0 mm  | 28.7 mm | 6     | 2.0 mm    | Blue  | Optional     |
| Z20-TL-106-R | Rigid, Left     | Head : 10.8 mm / Shaft : 5.5 mm | 31.5 mm | 6     | 2.0 mm    | Gold  | Optional     |
| Z20-TR-106-R | Rigid, Right    | Head : 10.8 mm / Shaft : 5.5 mm | 31.5 mm | 6     | 2.0 mm    | Gold  | Optional     |
| Z20-TR-106-F | Flexible, Right | Head : 8.7 mm / Shaft : 5.0 mm  | 28.7 mm | 6     | 2.0 mm    | Blue  | Optional     |



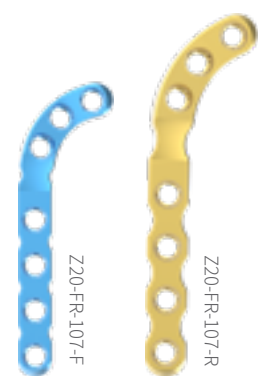
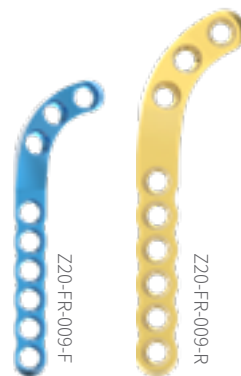
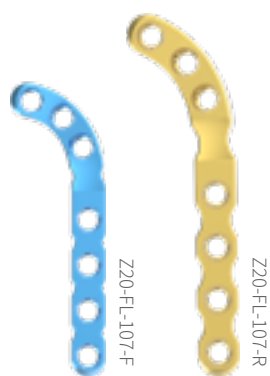
## CBLO Plates



\* Illustrated scale 1:1

| Code       | Type         | Width                           | Length  | Holes | Thickness | Color | Set Quantity |
|------------|--------------|---------------------------------|---------|-------|-----------|-------|--------------|
| Z20-CL-006 | Rigid, Left  | Head : 15.9 mm / Shaft : 6.0 mm | 34.8 mm | 6     | 2.5 mm    | Gold  | Optional     |
| Z20-CR-006 | Rigid, Right | Head : 15.9 mm / Shaft : 6.0 mm | 34.8 mm | 6     | 2.5 mm    | Gold  | Optional     |

## DFO Plates (9 holes / 7 holes)

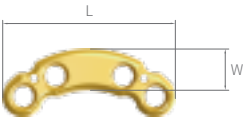


\* Illustrated scale 1:1

| Code         | Type            | Width                           | Length  | Holes | Thickness | Color | Set Quantity |
|--------------|-----------------|---------------------------------|---------|-------|-----------|-------|--------------|
| Z20-FL-009-F | Flexible, Left  | Head : 11.5 mm / Shaft : 4.0 mm | 38.9 mm | 9     | 2.0 mm    | Blue  | 2            |
| Z20-FL-009-R | Rigid, Left     | Head : 13.0 mm / Shaft : 5.5 mm | 48.4 mm | 9     | 2.0 mm    | Gold  | 2            |
| Z20-FL-107-F | Flexible, Left  | Head : 11.9 mm / Shaft : 4.5 mm | 38.9 mm | 7     | 2.0 mm    | Blue  | Optional     |
| Z20-FL-107-R | Rigid, Left     | Head : 13.0 mm / Shaft : 5.5 mm | 48.4 mm | 7     | 2.0 mm    | Gold  | Optional     |
| Z20-FR-009-F | Flexible, Right | Head : 11.5 mm / Shaft : 4.0 mm | 38.9 mm | 9     | 2.0 mm    | Blue  | 2            |
| Z20-FR-009-R | Rigid, Right    | Head : 13.0 mm / Shaft : 5.5 mm | 48.4 mm | 9     | 2.0 mm    | Gold  | 2            |
| Z20-FR-107-F | Flexible, Right | Head : 11.9 mm / Shaft : 4.5 mm | 38.9 mm | 7     | 2.0 mm    | Blue  | Optional     |
| Z20-FR-107-R | Rigid, Right    | Head : 13.0 mm / Shaft : 5.5 mm | 48.4 mm | 7     | 2.0 mm    | Gold  | Optional     |

# ARIX Vet System Plates

## Acetabulum Plates



Z20-AC-004



Z20-AC-006

\* Illustrated scale 1:1

| Code       | Width  | Length  | Holes | Thickness | Color | Set Quantity |
|------------|--------|---------|-------|-----------|-------|--------------|
| Z20-AC-004 | 5.5 mm | 22.9 mm | 4     | 2.0 mm    | Gold  | Optional     |
| Z20-AC-006 | 5.5 mm | 30.3 mm | 6     | 2.0 mm    | Gold  | Optional     |

## Bridge Plates



Z20-BS-006-30



Z20-BS-006-40



Z20-BS-006-50

\* Illustrated scale 1:1

| Code          | Width  | Length  | Holes | Bridge Length | Thickness | Color | Set Quantity |
|---------------|--------|---------|-------|---------------|-----------|-------|--------------|
| Z20-BS-006-30 | 5.5 mm | 60.5 mm | 6     | 30 mm         | 2.0 mm    | Gold  | Optional     |
| Z20-BS-006-40 | 5.5 mm | 70.5 mm | 6     | 40 mm         | 2.0 mm    | Gold  | Optional     |
| Z20-BS-006-50 | 5.5 mm | 80.5 mm | 6     | 50 mm         | 2.0 mm    | Gold  | Optional     |



## ARIX Vet System Screws

### Ø 1.2 mm Cortical Screws



| Code       | Head Diameter | Outer Diameter | Length | Color | Set Quantity |
|------------|---------------|----------------|--------|-------|--------------|
| Z12-SO-004 | Ø 2.2 mm      | Ø 1.2 mm       | 4 mm   | Gold  | 5            |
| Z12-SO-005 | Ø 2.2 mm      | Ø 1.2 mm       | 5 mm   | Gold  | 5            |
| Z12-SO-006 | Ø 2.2 mm      | Ø 1.2 mm       | 6 mm   | Gold  | 5            |
| Z12-SO-007 | Ø 2.2 mm      | Ø 1.2 mm       | 7 mm   | Gold  | 5            |
| Z12-SO-008 | Ø 2.2 mm      | Ø 1.2 mm       | 8 mm   | Gold  | 5            |
| Z12-SO-009 | Ø 2.2 mm      | Ø 1.2 mm       | 9 mm   | Gold  | 5            |
| Z12-SO-010 | Ø 2.2 mm      | Ø 1.2 mm       | 10 mm  | Gold  | 5            |
| Z12-SO-011 | Ø 2.2 mm      | Ø 1.2 mm       | 11 mm  | Gold  | 5            |
| Z12-SO-012 | Ø 2.2 mm      | Ø 1.2 mm       | 12 mm  | Gold  | 5            |
| Z12-SO-013 | Ø 2.2 mm      | Ø 1.2 mm       | 13 mm  | Gold  | 5            |
| Z12-SO-014 | Ø 2.2 mm      | Ø 1.2 mm       | 14 mm  | Gold  | 5            |
| Z12-SO-015 | Ø 2.2 mm      | Ø 1.2 mm       | 15 mm  | Gold  | 5            |
| Z12-SO-016 | Ø 2.2 mm      | Ø 1.2 mm       | 16 mm  | Gold  | 5            |

### Ø 1.5 mm Cortical Screws



| Code       | Head Diameter | Outer Diameter | Length | Color  | Set Quantity |
|------------|---------------|----------------|--------|--------|--------------|
| Z15-SO-006 | Ø 3.1 mm      | Ø 1.5 mm       | 6 mm   | Silver | 5            |
| Z15-SO-008 | Ø 3.1 mm      | Ø 1.5 mm       | 8 mm   | Silver | 5            |
| Z15-SO-010 | Ø 3.1 mm      | Ø 1.5 mm       | 10 mm  | Silver | 5            |
| Z15-SO-012 | Ø 3.1 mm      | Ø 1.5 mm       | 12 mm  | Silver | 5            |
| Z15-SO-014 | Ø 3.1 mm      | Ø 1.5 mm       | 14 mm  | Silver | 5            |
| Z15-SO-016 | Ø 3.1 mm      | Ø 1.5 mm       | 16 mm  | Silver | 5            |
| Z15-SO-018 | Ø 3.1 mm      | Ø 1.5 mm       | 18 mm  | Silver | 5            |
| Z15-SO-020 | Ø 3.1 mm      | Ø 1.5 mm       | 20 mm  | Silver | 5            |
| Z15-SO-022 | Ø 3.1 mm      | Ø 1.5 mm       | 22 mm  | Silver | Optional     |
| Z15-SO-024 | Ø 3.1 mm      | Ø 1.5 mm       | 24 mm  | Silver | Optional     |

### Ø 2.0 mm Cortical Screws



| Code       | Head Diameter | Outer Diameter | Length | Color | Set Quantity |
|------------|---------------|----------------|--------|-------|--------------|
| Z20-SO-006 | Ø 3.1 mm      | Ø 2.0 mm       | 6 mm   | Gold  | 5            |
| Z20-SO-008 | Ø 3.1 mm      | Ø 2.0 mm       | 8 mm   | Gold  | 5            |
| Z20-SO-010 | Ø 3.1 mm      | Ø 2.0 mm       | 10 mm  | Gold  | 5            |
| Z20-SO-012 | Ø 3.1 mm      | Ø 2.0 mm       | 12 mm  | Gold  | 5            |
| Z20-SO-014 | Ø 3.1 mm      | Ø 2.0 mm       | 14 mm  | Gold  | 5            |
| Z20-SO-016 | Ø 3.1 mm      | Ø 2.0 mm       | 16 mm  | Gold  | 5            |
| Z20-SO-018 | Ø 3.1 mm      | Ø 2.0 mm       | 18 mm  | Gold  | 5            |
| Z20-SO-020 | Ø 3.1 mm      | Ø 2.0 mm       | 20 mm  | Gold  | 5            |
| Z20-SO-022 | Ø 3.1 mm      | Ø 2.0 mm       | 22 mm  | Gold  | Optional     |
| Z20-SO-024 | Ø 3.1 mm      | Ø 2.0 mm       | 24 mm  | Gold  | Optional     |

## Ø 1.2 mm Locking Screws



| Code        | Head Diameter | Outer Diameter | Length | Color | Set Quantity |
|-------------|---------------|----------------|--------|-------|--------------|
| Z12L-SO-004 | Ø 2.2 mm      | Ø 1.2 mm       | 4 mm   | Blue  | 5            |
| Z12L-SO-005 | Ø 2.2 mm      | Ø 1.2 mm       | 5 mm   | Blue  | 5            |
| Z12L-SO-006 | Ø 2.2 mm      | Ø 1.2 mm       | 6 mm   | Blue  | 5            |
| Z12L-SO-007 | Ø 2.2 mm      | Ø 1.2 mm       | 7 mm   | Blue  | 5            |
| Z12L-SO-008 | Ø 2.2 mm      | Ø 1.2 mm       | 8 mm   | Blue  | 5            |
| Z12L-SO-009 | Ø 2.2 mm      | Ø 1.2 mm       | 9 mm   | Blue  | 5            |
| Z12L-SO-010 | Ø 2.2 mm      | Ø 1.2 mm       | 10 mm  | Blue  | 5            |
| Z12L-SO-011 | Ø 2.2 mm      | Ø 1.2 mm       | 11 mm  | Blue  | 5            |
| Z12L-SO-012 | Ø 2.2 mm      | Ø 1.2 mm       | 12 mm  | Blue  | 5            |
| Z12L-SO-013 | Ø 2.2 mm      | Ø 1.2 mm       | 13 mm  | Blue  | 5            |
| Z12L-SO-014 | Ø 2.2 mm      | Ø 1.2 mm       | 14 mm  | Blue  | 5            |
| Z12L-SO-015 | Ø 2.2 mm      | Ø 1.2 mm       | 15 mm  | Blue  | 5            |
| Z12L-SO-016 | Ø 2.2 mm      | Ø 1.2 mm       | 16 mm  | Blue  | 5            |

## Ø 1.5 mm Locking Screws



| Code        | Head Diameter | Outer Diameter | Length | Color  | Set Quantity |
|-------------|---------------|----------------|--------|--------|--------------|
| Z15L-SO-006 | Ø 3.1 mm      | Ø 1.5 mm       | 6 mm   | Purple | 5            |
| Z15L-SO-008 | Ø 3.1 mm      | Ø 1.5 mm       | 8 mm   | Purple | 5            |
| Z15L-SO-010 | Ø 3.1 mm      | Ø 1.5 mm       | 10 mm  | Purple | 5            |
| Z15L-SO-012 | Ø 3.1 mm      | Ø 1.5 mm       | 12 mm  | Purple | 5            |
| Z15L-SO-014 | Ø 3.1 mm      | Ø 1.5 mm       | 14 mm  | Purple | 5            |
| Z15L-SO-016 | Ø 3.1 mm      | Ø 1.5 mm       | 16 mm  | Purple | 5            |
| Z15L-SO-018 | Ø 3.1 mm      | Ø 1.5 mm       | 18 mm  | Purple | 5            |
| Z15L-SO-020 | Ø 3.1 mm      | Ø 1.5 mm       | 20 mm  | Purple | 5            |
| Z15L-SO-022 | Ø 3.1 mm      | Ø 1.5 mm       | 22 mm  | Purple | Optional     |
| Z15L-SO-024 | Ø 3.1 mm      | Ø 1.5 mm       | 24 mm  | Purple | Optional     |

## Ø 2.0 mm Locking Screws



| Code        | Head Diameter | Outer Diameter | Length | Color | Set Quantity |
|-------------|---------------|----------------|--------|-------|--------------|
| Z20L-SO-006 | Ø 3.1 mm      | Ø 2.0 mm       | 6 mm   | Blue  | 5            |
| Z20L-SO-008 | Ø 3.1 mm      | Ø 2.0 mm       | 8 mm   | Blue  | 5            |
| Z20L-SO-010 | Ø 3.1 mm      | Ø 2.0 mm       | 10 mm  | Blue  | 5            |
| Z20L-SO-012 | Ø 3.1 mm      | Ø 2.0 mm       | 12 mm  | Blue  | 5            |
| Z20L-SO-014 | Ø 3.1 mm      | Ø 2.0 mm       | 14 mm  | Blue  | 5            |
| Z20L-SO-016 | Ø 3.1 mm      | Ø 2.0 mm       | 16 mm  | Blue  | 5            |
| Z20L-SO-018 | Ø 3.1 mm      | Ø 2.0 mm       | 18 mm  | Blue  | 5            |
| Z20L-SO-020 | Ø 3.1 mm      | Ø 2.0 mm       | 20 mm  | Blue  | 5            |
| Z20L-SO-022 | Ø 3.1 mm      | Ø 2.0 mm       | 22 mm  | Blue  | Optional     |
| Z20L-SO-024 | Ø 3.1 mm      | Ø 2.0 mm       | 24 mm  | Blue  | Optional     |

# Instruments

## Drill Guide



Z111-187



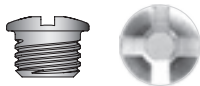
Z111-185



Z111-186

| Code     | Description                     | Set Quantity |
|----------|---------------------------------|--------------|
| Z111-187 | Drill Guide for Ø 1.2 mm Screws | 1            |
| Z111-185 | Drill Guide for Ø 1.5 mm Screws | 1            |
| Z111-186 | Drill Guide for Ø 2.0 mm Screws | 1            |

## Plug Screw



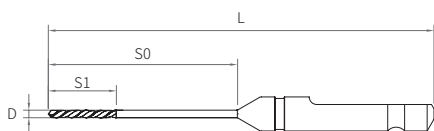
Z111-194



Z111-195

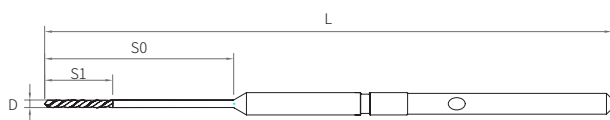
| Code     | Description                                                                      | Set Quantity |
|----------|----------------------------------------------------------------------------------|--------------|
| Z111-194 | Plug Screw for Ø 1.2 mm Screws (Head Diameter: Ø 2.4 mm, Length: 1.8 mm)         | 10           |
| Z111-195 | Plug Screw for Ø 1.5 / Ø 2.0 mm Screws (Head Diameter: Ø 3.3 mm, Length: 1.8 mm) | 10           |

## Drill Bits (AO Type)



| Code        | Length  | S0      | S1      | D      | Set Quantity |
|-------------|---------|---------|---------|--------|--------------|
| Z112-12-701 | 69.0 mm | 43.0 mm | 20.0 mm | 1.0 mm | 1            |
| Z112-15-702 | 93.0 mm | 67.0 mm | 20.0 mm | 1.2 mm | 1            |
| Z112-20-701 | 93.0 mm | 67.0 mm | 20.0 mm | 1.6 mm | 1            |
| Z112-15-701 | 74.0 mm | 48.0 mm | 20.0 mm | 1.2 mm | Optional     |
| Z112-20-702 | 66.0 mm | 40.0 mm | 20.0 mm | 1.6 mm | Optional     |

## Drill Bits (Ball Type-Smarto Use)



| Code        | Length  | S0      | S1      | D      | Set Quantity | Remark     |
|-------------|---------|---------|---------|--------|--------------|------------|
| Z112-12-801 | 93.0 mm | 43.0 mm | 10.0 mm | 1.0 mm | Optional     | 111-ED-050 |
| Z112-15-801 | 98.0 mm | 48.0 mm | 10.0 mm | 1.2 mm | Optional     |            |
| Z112-20-801 | 98.0 mm | 48.0 mm | 10.0 mm | 1.6 mm | Optional     |            |

## Screwdriver Shaft



Z113-NF-101



Z113-ST-001

| Code        | Description                                                   | Set Quantity |
|-------------|---------------------------------------------------------------|--------------|
| Z113-NF-101 | Screwdriver Shaft for Ø 1.2 mm Screws (Cruciform)             | 2            |
| Z113-ST-001 | Screwdriver Shaft for Ø 1.5 / Ø 2.0 mm Screws (STARIX Driver) | 2            |



## Instruments

### Drill Sleeve



Z111-182 / Z111-183 / Z111-210



Z111-184 / Z111-160F



Z111-157

| Code      | Description                                                     | Set Quantity |
|-----------|-----------------------------------------------------------------|--------------|
| Z111-182  | Drill Sleeve for Ø 1.2 mm Screws, Fixed Angle                   | 1            |
| Z111-183  | Drill Sleeve for Ø 1.5 mm Screws, Fixed Angle                   | 1            |
| Z111-210  | Drill Sleeve for Ø 2.0 mm Screws, Fixed Angle                   | 1            |
| Z111-184  | Drill Sleeve for Ø 1.5 mm Screws, Variable Angle                | 1            |
| Z111-160F | Drill Sleeve for Ø 2.0 mm Screws, Variable Angle                | 1            |
| Z111-157  | Drill Sleeve Handle for Ø 1.5 / Ø 2.0 mm Screws, Variable Angle | 2            |

### Screwdriver Handle



| Code     | Description        | Set Quantity |
|----------|--------------------|--------------|
| Z111-010 | Screwdriver Handle | 2            |

### Forceps



| Code     | Description      | Set Quantity |
|----------|------------------|--------------|
| Z114-009 | Grasping Forceps | 1            |

Plate Cutter



| Code     | Description  | Set Quantity |
|----------|--------------|--------------|
| Z111-190 | Plate Cutter | 1            |

Plate Bender



Z111-033



Z111-191

| Code     | Description                              | Set Quantity |
|----------|------------------------------------------|--------------|
| Z111-033 | Plate Bender (Plier Type)                | Optional     |
| Z111-191 | Plate Bender (Bar Type - Used as a pair) | 2            |

Instruments

Screw Disk



Z112-125-1



Z112-125-2

| Code       | Description                                               | Set Quantity |
|------------|-----------------------------------------------------------|--------------|
| Z112-125-1 | Screw Disk for Ø 1.2 mm Screws * Without Implants         | Optional     |
| Z112-125-2 | Screw Disk for Ø 1.5 / Ø 2.0 mm Screws * Without Implants | Optional     |

Module



| Code       | Description                             | Set Quantity |
|------------|-----------------------------------------|--------------|
| Z112-125-3 | ARX Vet Plate Module * Without Implants | Optional     |

Depth Gauge



Z111-188R



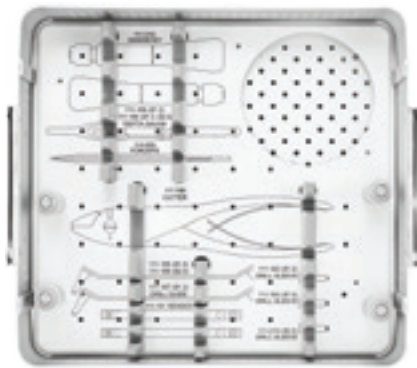
Z111-189R

| Code      | Description                             | Set Quantity |
|-----------|-----------------------------------------|--------------|
| Z111-188R | Depth Gauge for Ø 1.2 mm Screws         | 1            |
| Z111-189R | Depth Gauge for Ø 1.5 / Ø 2.0 mm Screws | 1            |

Kit



Z112-125



Z112-125-4

| Code       | Description                                 | Set Quantity |
|------------|---------------------------------------------|--------------|
| Z112-125   | ARX Vet 1.2 / 1.5 / 2.0 mm System Full Kit  | 1            |
| Z112-125-4 | ARX Vet System Container * Without Implants | Optional     |

# Instruments

## Smarto

Single use disposable design eliminates need for autoclaving and repairing



| Code       | Torque (N.cm ±10%) | RPM (±10%) | Shaft Diameter | Set Quantity |
|------------|--------------------|------------|----------------|--------------|
| 111-ED-050 | 45                 | 210        | Ø 3.0 mm       | Optional     |

## K-wire Dispenser

Only Steam Sterilization (132°C, 15min)



| Code       | Description                                                                                                               | Set Quantity |
|------------|---------------------------------------------------------------------------------------------------------------------------|--------------|
| Z111-096-V | ARIX Vet System K-wire Dispenser (Ø 0.6 / Ø 0.7 / Ø 0.8 / Ø 0.9 / Ø 1.0 / Ø 1.1 / Ø 1.2 / Ø 1.4 / Ø 1.6) * Without K-wire | Optional     |



| Straight Plates |              |             |                    |               |      |
|-----------------|--------------|-------------|--------------------|---------------|------|
| No.             | Code         | Description |                    |               | Q'ty |
| 1               | Z12-ST-024-F | 24 holes    | Flexible, Straight | Ø 1.2         | 4    |
| 2               | Z12-ST-024-R | 24 holes    | Rigid, Straight    | Ø 1.2         | 4    |
| 3               | Z20-ST-024-M | 24 holes    | Middle, Straight   | Ø 1.5 / Ø 2.0 | 4    |
| 4               | Z20-ST-024-R | 24 holes    | Rigid, Straight    | Ø 1.5 / Ø 2.0 | 4    |

| T Plates |              |             |             |               |      |
|----------|--------------|-------------|-------------|---------------|------|
| No.      | Code         | Description |             |               | Q'ty |
| 1        | Z12-TT-029-F | 29 holes    | Flexible, T | Ø 1.2         | 4    |
| 2        | Z12-TT-029-R | 29 holes    | Rigid, T    | Ø 1.2         | 4    |
| 3        | Z20-TT-012-R | 12 holes    | Rigid, T    | Ø 1.5 / Ø 2.0 | 4    |

| Normal Straight Plates |              |             |        |               |          |
|------------------------|--------------|-------------|--------|---------------|----------|
| No.                    | Code         | Description |        |               | Q'ty     |
| 1                      | Z12-ST-120-N | 20 holes    | Normal | Ø 1.2         | Optional |
| 2                      | Z15-ST-124-N | 24 holes    | Normal | Ø 1.5 / Ø 2.0 | Optional |
| 3                      | Z20-ST-124-N | 24 holes    | Normal | Ø 1.5 / Ø 2.0 | Optional |

| Reconstruction Plates |              |             |                    |               |          |
|-----------------------|--------------|-------------|--------------------|---------------|----------|
| No.                   | Code         | Description |                    |               | Q'ty     |
| 1                     | Z12-ST-120-F | 20 holes    | Flexible, Straight | Ø 1.2         | Optional |
| 2                     | Z12-TT-124-F | 24 holes    | Flexible, T        | Ø 1.2         | Optional |
| 3                     | Z12-ST-116-R | 16 holes    | Rigid, Straight    | Ø 1.2         | Optional |
| 4                     | Z12-TT-120-R | 20 holes    | Rigid, T           | Ø 1.2         | Optional |
| 5                     | Z20-ST-116-M | 16 holes    | Middle, Straight   | Ø 1.5 / Ø 2.0 | Optional |
| 6                     | Z20-ST-118-R | 18 holes    | Rigid, Straight    | Ø 1.5 / Ø 2.0 | Optional |

| TPLO Plates |              |             |                 |               |          |
|-------------|--------------|-------------|-----------------|---------------|----------|
| No.         | Code         | Description |                 |               | Q'ty     |
| 1           | Z20-TL-007-F | 7 holes     | Flexible, Left  | Ø 1.5 / Ø 2.0 | 2        |
| 2           | Z20-TL-007-R | 7 holes     | Rigid, Left     | Ø 1.5 / Ø 2.0 | 2        |
| 3           | Z20-TM-007-R | 7 holes     | Rigid, Middle   | Ø 1.5 / Ø 2.0 | 2        |
| 4           | Z20-TR-007-F | 7 holes     | Flexible, Right | Ø 1.5 / Ø 2.0 | 2        |
| 5           | Z20-TR-007-R | 7 holes     | Rigid, Right    | Ø 1.5 / Ø 2.0 | 2        |
| 6           | Z20-TL-106-F | 6 holes     | Flexible, Left  | Ø 1.5 / Ø 2.0 | Optional |
| 7           | Z20-TL-106-R | 6 holes     | Rigid, Left     | Ø 1.5 / Ø 2.0 | Optional |
| 8           | Z20-TR-106-R | 6 holes     | Rigid, Right    | Ø 1.5 / Ø 2.0 | Optional |
| 9           | Z20-TR-106-F | 6 holes     | Flexible, Right | Ø 1.5 / Ø 2.0 | Optional |

| DFO Plates |              |             |                 |               |          |
|------------|--------------|-------------|-----------------|---------------|----------|
| No.        | Code         | Description |                 |               | Q'ty     |
| 1          | Z20-FL-009-F | 9 holes     | Flexible, Left  | Ø 1.5 / Ø 2.0 | 2        |
| 2          | Z20-FL-009-R | 9 holes     | Rigid, Left     | Ø 1.5 / Ø 2.0 | 2        |
| 3          | Z20-FR-009-F | 9 holes     | Rigid, Right    | Ø 1.5 / Ø 2.0 | 2        |
| 4          | Z20-FR-009-R | 9 holes     | Flexible, Right | Ø 1.5 / Ø 2.0 | 2        |
| 5          | Z20-FL-107-F | 7 holes     | Flexible, Left  | Ø 1.5 / Ø 2.0 | Optional |
| 6          | Z20-FL-107-R | 7 holes     | Rigid, Left     | Ø 1.5 / Ø 2.0 | Optional |
| 7          | Z20-FR-009-F | 7 holes     | Flexible, Right | Ø 1.5 / Ø 2.0 | Optional |
| 8          | Z20-FR-009-R | 7 holes     | Rigid, Right    | Ø 1.5 / Ø 2.0 | Optional |

| CBLO Plates |            |             |              |       |          |
|-------------|------------|-------------|--------------|-------|----------|
| No.         | Code       | Description |              |       | Q'ty     |
| 1           | Z20-CL-006 | 6 holes     | Rigid, Left  | Ø 2.0 | Optional |
| 2           | Z20-CR-006 | 6 holes     | Rigid, Right | Ø 2.0 | Optional |

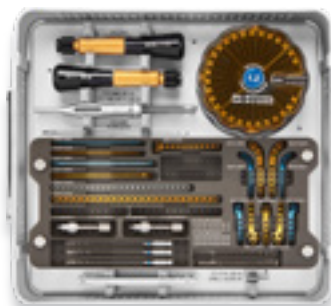
| Acetabulum / Bridge Plates |               |             |              |       |          |
|----------------------------|---------------|-------------|--------------|-------|----------|
| No.                        | Code          | Description |              |       | Q'ty     |
| 1                          | Z20-AC-004    | 4 holes     | Acetabulum   | Ø 2.0 | Optional |
| 2                          | Z20-AC-006    | 6 holes     | Acetabulum   | Ø 2.0 | Optional |
| 3                          | Z20-BS-006-30 | 6 holes     | Bridge Plate | Ø 2.0 | Optional |
| 4                          | Z20-BS-006-40 | 6 holes     | Bridge Plate | Ø 2.0 | Optional |
| 5                          | Z20-BS-006-50 | 6 holes     | Bridge Plate | Ø 2.0 | Optional |

| Ø 1.2 mm Screws |             |                                       |  |  |      |
|-----------------|-------------|---------------------------------------|--|--|------|
| No.             | Code        | Description                           |  |  | Q'ty |
| 1               | Z12-SO-004  | Ø 1.2 mm Cortical Screw, Length 4 mm  |  |  | 5    |
| 2               | Z12-SO-005  | Ø 1.2 mm Cortical Screw, Length 5 mm  |  |  | 5    |
| 3               | Z12-SO-006  | Ø 1.2 mm Cortical Screw, Length 6 mm  |  |  | 5    |
| 4               | Z12-SO-007  | Ø 1.2 mm Cortical Screw, Length 7 mm  |  |  | 5    |
| 5               | Z12-SO-008  | Ø 1.2 mm Cortical Screw, Length 8 mm  |  |  | 5    |
| 6               | Z12-SO-009  | Ø 1.2 mm Cortical Screw, Length 9 mm  |  |  | 5    |
| 7               | Z12-SO-010  | Ø 1.2 mm Cortical Screw, Length 10 mm |  |  | 5    |
| 8               | Z12-SO-011  | Ø 1.2 mm Cortical Screw, Length 11 mm |  |  | 5    |
| 9               | Z12-SO-012  | Ø 1.2 mm Cortical Screw, Length 12 mm |  |  | 5    |
| 10              | Z12-SO-013  | Ø 1.2 mm Cortical Screw, Length 13 mm |  |  | 5    |
| 11              | Z12-SO-014  | Ø 1.2 mm Cortical Screw, Length 14 mm |  |  | 5    |
| 12              | Z12-SO-015  | Ø 1.2 mm Cortical Screw, Length 15 mm |  |  | 5    |
| 13              | Z12-SO-016  | Ø 1.2 mm Cortical Screw, Length 16 mm |  |  | 5    |
| 14              | Z12L-SO-004 | Ø 1.2 mm Locking Screw, Length 4 mm   |  |  | 5    |
| 15              | Z12L-SO-005 | Ø 1.2 mm Locking Screw, Length 5 mm   |  |  | 5    |
| 16              | Z12L-SO-006 | Ø 1.2 mm Locking Screw, Length 6 mm   |  |  | 5    |
| 17              | Z12L-SO-007 | Ø 1.2 mm Locking Screw, Length 7 mm   |  |  | 5    |
| 18              | Z12L-SO-008 | Ø 1.2 mm Locking Screw, Length 8 mm   |  |  | 5    |
| 19              | Z12L-SO-009 | Ø 1.2 mm Locking Screw, Length 9 mm   |  |  | 5    |
| 20              | Z12L-SO-010 | Ø 1.2 mm Locking Screw, Length 10 mm  |  |  | 5    |
| 21              | Z12L-SO-011 | Ø 1.2 mm Locking Screw, Length 11 mm  |  |  | 5    |
| 22              | Z12L-SO-012 | Ø 1.2 mm Locking Screw, Length 12 mm  |  |  | 5    |
| 23              | Z12L-SO-013 | Ø 1.2 mm Locking Screw, Length 13 mm  |  |  | 5    |
| 24              | Z12L-SO-014 | Ø 1.2 mm Locking Screw, Length 14 mm  |  |  | 5    |
| 25              | Z12L-SO-015 | Ø 1.2 mm Locking Screw, Length 15 mm  |  |  | 5    |
| 26              | Z12L-SO-016 | Ø 1.2 mm Locking Screw, Length 16 mm  |  |  | 5    |

| Ø 1.5 mm Screws |             |                                       |  |  |          |
|-----------------|-------------|---------------------------------------|--|--|----------|
| No.             | Code        | Description                           |  |  | Q'ty     |
| 1               | Z15-SO-006  | Ø 1.5 mm Cortical Screw, Length 6 mm  |  |  | 5        |
| 2               | Z15-SO-008  | Ø 1.5 mm Cortical Screw, Length 8 mm  |  |  | 5        |
| 3               | Z15-SO-010  | Ø 1.5 mm Cortical Screw, Length 10 mm |  |  | 5        |
| 4               | Z15-SO-012  | Ø 1.5 mm Cortical Screw, Length 12 mm |  |  | 5        |
| 5               | Z15-SO-014  | Ø 1.5 mm Cortical Screw, Length 14 mm |  |  | 5        |
| 6               | Z15-SO-016  | Ø 1.5 mm Cortical Screw, Length 16 mm |  |  | 5        |
| 7               | Z15-SO-018  | Ø 1.5 mm Cortical Screw, Length 18 mm |  |  | 5        |
| 8               | Z15-SO-020  | Ø 1.5 mm Cortical Screw, Length 20 mm |  |  | 5        |
| 9               | Z15-SO-022  | Ø 1.5 mm Cortical Screw, Length 22 mm |  |  | Optional |
| 10              | Z15-SO-024  | Ø 1.5 mm Cortical Screw, Length 24 mm |  |  | Optional |
| 11              | Z15L-SO-006 | Ø 1.5 mm Locking Screw, Length 6 mm   |  |  | 5        |
| 12              | Z15L-SO-008 | Ø 1.5 mm Locking Screw, Length 8 mm   |  |  | 5        |
| 13              | Z15L-SO-010 | Ø 1.5 mm Locking Screw, Length 10 mm  |  |  | 5        |
| 14              | Z15L-SO-012 | Ø 1.5 mm Locking Screw, Length 12 mm  |  |  | 5        |
| 15              | Z15L-SO-014 | Ø 1.5 mm Locking Screw, Length 14 mm  |  |  | 5        |
| 16              | Z15L-SO-016 | Ø 1.5 mm Locking Screw, Length 16 mm  |  |  | 5        |
| 17              | Z15L-SO-018 | Ø 1.5 mm Locking Screw, Length 18 mm  |  |  | 5        |
| 18              | Z15L-SO-020 | Ø 1.5 mm Locking Screw, Length 20 mm  |  |  | 5        |
| 19              | Z15L-SO-022 | Ø 1.5 mm Locking Screw, Length 22 mm  |  |  | Optional |
| 20              | Z15L-SO-024 | Ø 1.5 mm Locking Screw, Length 24 mm  |  |  | Optional |

| Ø 2.0 mm Screws |             |                                       |          |
|-----------------|-------------|---------------------------------------|----------|
| No.             | Code        | Description                           | Q'ty     |
| 1               | Z20-SO-006  | Ø 2.0 mm Cortical Screw, Length 6 mm  | 5        |
| 2               | Z20-SO-008  | Ø 2.0 mm Cortical Screw, Length 8 mm  | 5        |
| 3               | Z20-SO-010  | Ø 2.0 mm Cortical Screw, Length 10 mm | 5        |
| 4               | Z20-SO-012  | Ø 2.0 mm Cortical Screw, Length 12 mm | 5        |
| 5               | Z20-SO-014  | Ø 2.0 mm Cortical Screw, Length 14 mm | 5        |
| 6               | Z20-SO-016  | Ø 2.0 mm Cortical Screw, Length 16 mm | 5        |
| 7               | Z20-SO-018  | Ø 2.0 mm Cortical Screw, Length 18 mm | 5        |
| 8               | Z20-SO-020  | Ø 2.0 mm Cortical Screw, Length 20 mm | 5        |
| 9               | Z20-SO-022  | Ø 2.0 mm Cortical Screw, Length 22 mm | Optional |
| 10              | Z20-SO-024  | Ø 2.0 mm Cortical Screw, Length 24 mm | Optional |
| 11              | Z20L-SO-006 | Ø 2.0 mm Locking Screw, Length 6 mm   | 5        |
| 12              | Z20L-SO-008 | Ø 2.0 mm Locking Screw, Length 8 mm   | 5        |
| 13              | Z20L-SO-010 | Ø 2.0 mm Locking Screw, Length 10 mm  | 5        |
| 14              | Z20L-SO-012 | Ø 2.0 mm Locking Screw, Length 12 mm  | 5        |
| 15              | Z20L-SO-014 | Ø 2.0 mm Locking Screw, Length 14 mm  | 5        |
| 16              | Z20L-SO-016 | Ø 2.0 mm Locking Screw, Length 16 mm  | 5        |
| 17              | Z20L-SO-018 | Ø 2.0 mm Locking Screw, Length 18 mm  | 5        |
| 18              | Z20L-SO-020 | Ø 2.0 mm Locking Screw, Length 20 mm  | 5        |
| 19              | Z20L-SO-022 | Ø 2.0 mm Locking Screw, Length 22 mm  | Optional |
| 20              | Z20L-SO-024 | Ø 2.0 mm Locking Screw, Length 24 mm  | Optional |

| Instruments |             |                                                   |          |
|-------------|-------------|---------------------------------------------------|----------|
| No.         | Code        | Description                                       | Q'ty     |
| 1           | Z113-NF-101 | Screw Driver Shaft Ø 1.2                          | 2        |
| 2           | Z113-ST-001 | Screw Driver Shaft Ø 1.5 / Ø 2.0                  | 2        |
| 3           | Z112-12-701 | Drill Bit, AO Type Ø 1.2                          | 1        |
| 4           | Z112-15-702 | Drill Bit, AO Type Ø 1.5                          | 1        |
| 5           | Z112-20-701 | Drill Bit, AO Type Ø 2.0                          | 1        |
| 6           | Z112-15-701 | Drill Bit, AO Type Ø 1.5                          | Optional |
| 7           | Z112-20-702 | Drill Bit, AO Type Ø 2.0                          | Optional |
| 8           | Z112-12-801 | Drill Bit, Ball Type Ø 1.2                        | Optional |
| 9           | Z112-15-801 | Drill Bit, Ball Type Ø 1.5                        | Optional |
| 10          | Z112-20-801 | Drill Bit, Ball Type Ø 2.0                        | Optional |
| 11          | Z114-009    | Forceps Ø 1.2 / Ø 1.5 / Ø 2.0                     | 1        |
| 12          | Z111-010    | Screw Driver Handle Ø 1.2 / Ø 1.5 / Ø 2.0         | 2        |
| 13          | Z111-187    | Drill Guide Ø 1.2                                 | 1        |
| 14          | Z111-185    | Drill Guide Ø 1.5                                 | 1        |
| 15          | Z111-186    | Drill Guide Ø 2.0                                 | 1        |
| 16          | Z111-194    | Plug Ø 1.2                                        | 10       |
| 17          | Z111-195    | Plug Ø 1.5 / Ø 2.0                                | 10       |
| 18          | Z111-182    | Drill Sleeve, Fixed Angle Ø 1.2                   | 1        |
| 19          | Z111-183    | Drill Sleeve, Fixed Angle Ø 1.5                   | 1        |
| 20          | Z111-210    | Drill Sleeve, Fixed Angle Ø 2.0                   | 1        |
| 21          | Z111-184    | Drill Sleeve, Variable Angle Ø 1.5                | 1        |
| 22          | Z111-160F   | Drill Sleeve, Variable Angle Ø 2.0                | 1        |
| 23          | Z111-157    | Drill Sleeve Handle, Variable Angle Ø 1.5 / Ø 2.0 | 2        |
| 24          | Z111-188R   | Depth Gauge Ø 1.2                                 | 1        |
| 25          | Z111-189R   | Depth Gauge Ø 1.5 / Ø 2.0                         | 1        |
| 26          | Z111-033    | Plate Bender Ø 1.2 / Ø 1.5 / Ø 2.0                | Optional |
| 27          | Z111-191    | Plate Bender Ø 1.2 / Ø 1.5 / Ø 2.0                | 2        |
| 28          | Z111-190    | Plate Cutter Ø 1.2 / Ø 1.5 / Ø 2.0                | 1        |
| 29          | 111-ED-050  | Smarto Ø 1.2 / Ø 1.5 / Ø 2.0                      | Optional |
| 30          | Z112-125    | ARIX Vet System Tray -                            | 1        |
| 31          | Z112-125-1  | Screw Disk Ø 1.2                                  | Optional |
| 32          | Z112-125-2  | Screw Disk Ø 1.5 / Ø 2.0                          | Optional |
| 33          | Z112-125-3  | ARIX Vet Plate Module Ø 1.2 / Ø 1.5 / Ø 2.0       | Optional |
| 34          | Z112-125-4  | ARIX Vet System Container -                       | Optional |



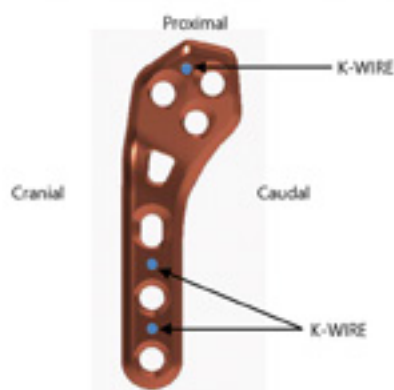
Z112-125  
ARIX Vet 1.2 / 1.5 / 2.0 System



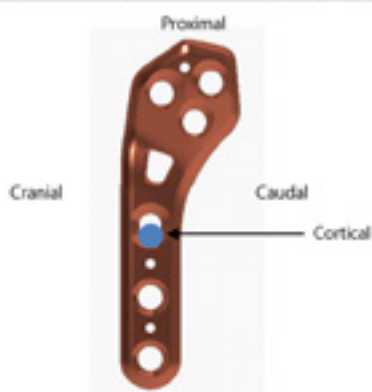
## Screw Insertion Sequence (TPLO)

1. Use K-wire to secure Plate position. Place first K-Wire in the Plate Head K-Wire hole. Place second K-Wire in one of the two K-Wire holes in the Plate Shaft.

※ Plate K-wire hole size : Diameter 1.8mm (Ø3.5 Plate)

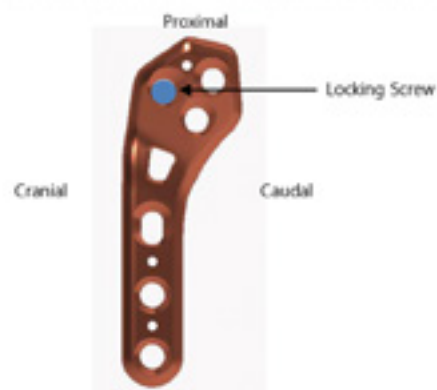


2. Place a cortical screw in the compression hole. Make sure it is slightly loose. Do not tighten the screw for compression yet.



## Screw Insertion Sequence (TPLO)

3. Place first locking screw in Plate Head



4. Place second locking screw in the Plate Head

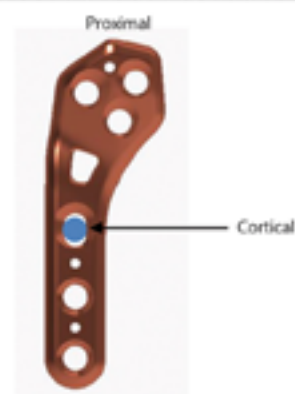


## Screw Insertion Sequence (TPLO)

5. Remove the two K-Wires

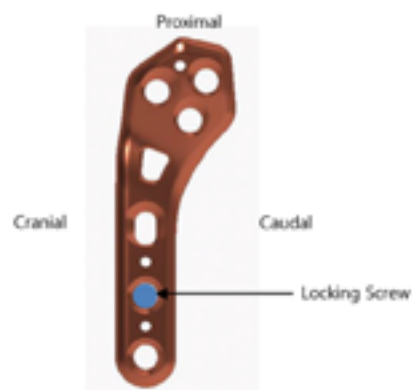


6. Tighten the loose cortical screw completely to give compression

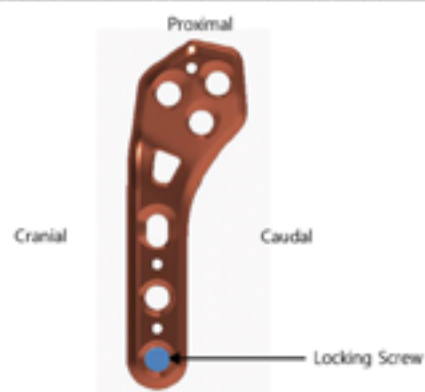


## Screw Insertion Sequence (TPLO)

7. Place third locking screw in Plate Shaft hole

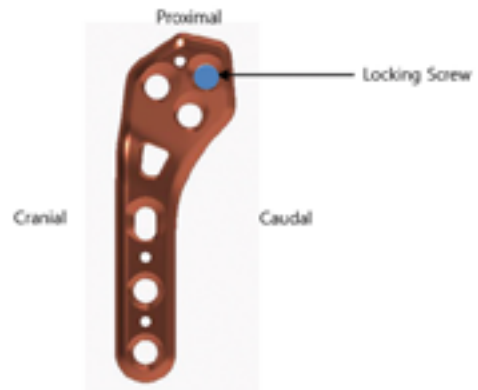


8. Place forth locking screw in distal Plate Shaft hole



## Screw Insertion Sequence (TPLO)

9. Place fifth locking screw in Plate Head





Z111-000-SET

Now for sale on our website



[www.sontecinstruments.com](http://www.sontecinstruments.com)