

# Maxima<sup>TM</sup> ANTERIOR CERVICAL PLATE SYSTEM



**U&I CORPORATION**

\*Approved by FDA, KFDA, CE

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## 1 STEP Plate Bending (selection) & contouring

Select the appropriate plate according to the cervical size. Select plate using the X-ray before surgery.

Use the Plate Holder to position the selected plate on the cervical to check appropriate size plate has been chosen. If necessary, bend plate with the Plate Bender to match the Lordotic Curvature of the cervical.

*Note: When using the Plate Bender for bending/unbending plate, bend the center part of plate so that the Elastic Sub-Plate is not damaged.*

*Note: The Plate should be used as much as possible in it's pre-bent condition of the Lordotic Curvature. Use the Plate bending only when necessary*

*Note: Plate which has been bended or unbended by the Plate Bender should be disposed and not be re-used.*



## 2 STEP Plate Positioning

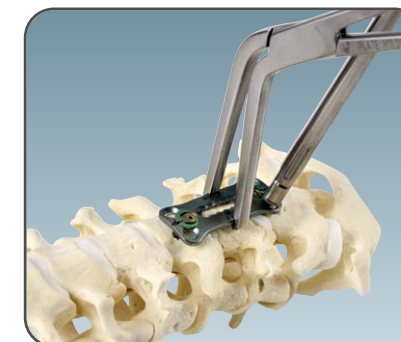
Place the Plate to desired location with Plate Holder.

When positioning the plate on the Cervical Vertebral Body, match the alignment of the plate with Superior-Inferior direction of the plate edge.



## 3 STEP Temporary Fixation Pin

Fix the plate to the Vertebral Body with Temporary Fixation Pin and its driver. Place the Temporary Fixation Pin in parallel with Superior or Inferior direction.

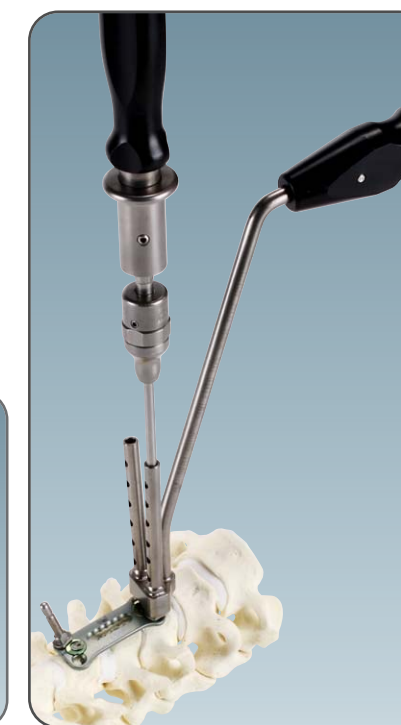


## 4 STEP Drilling Variable / Semi Fixed

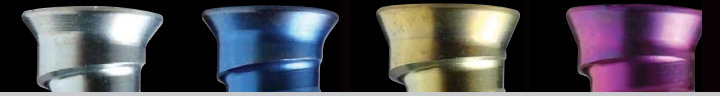
After selecting Drill Guide, position the Drill Guide where Temporary Fixation Pin is not inserted.

Insert the Drill Assembly in Drill Sleeve and gently drill hole until desired depth.

Drill Assembly: There are 2 kinds of Drill bit. One kind of Drill bit is exclusively for 14mm and another kind is the Adjustable type. With the Adjustable type, Drill bit thread length can be controlled between 10~20mm with 1mm increments. Assemble the Drill bit exclusively for 14mm with Driving Handle. The Adjustable type Drill bit is assembled with the Adjustable Stopper and Driving Handle.





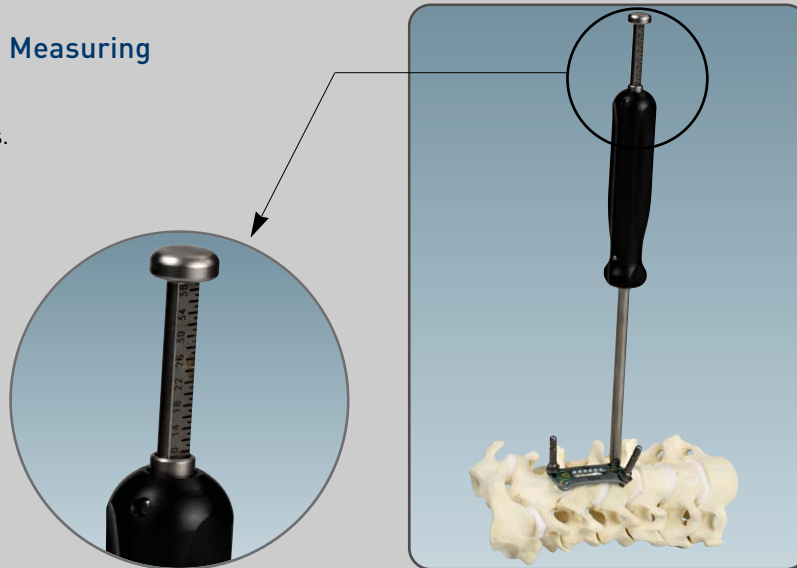


## 5 STEP Screw Selection / Depth Measuring

Maxima™ Anterior Cervical Plate System can be selected among 3 construct systems.

- Semi Fixed System : Using only Semi Fixed Screw.
- Hybrid System : Using Semi Fixed Screw and Variable Screw together.
- Variable System : Using only Variable Screw.

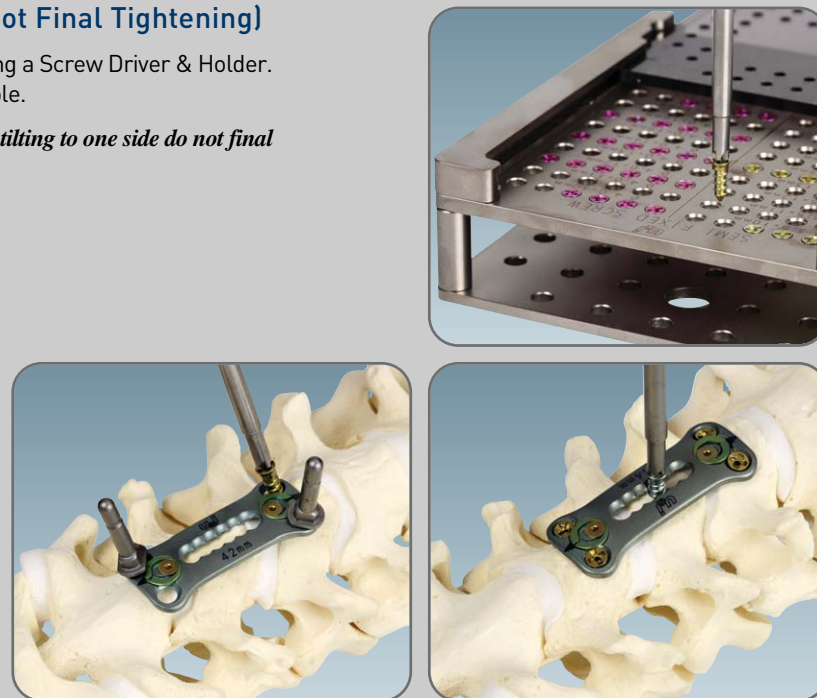
Measure the hole depth Body using the Depth Gauge.  
(Required Screw length can be checked using the Depth Gauge.)



## 6 STEP Screw Insertion (Do Not Final Tightening)

Choose a Screw from the Screw Caddy using a Screw Driver & Holder. Then insert the selected Screw slowly in hole.

*Note: In order to prevent the plate from tilting to one side do not final tighten the Screw.*



## 7 STEP Final Tightening

After inserting every Screw in Plate, final tighten the Screws by turning the Screws in half circle or whole circle using the Screw Driver & Holder.



## 8 STEP Removal (OPTION)

Place the Remover on the Screw. Turn the Screw Remover counter clock-wise. The Elastic Sub-Plate is pushed to one side and the Screw is removed.

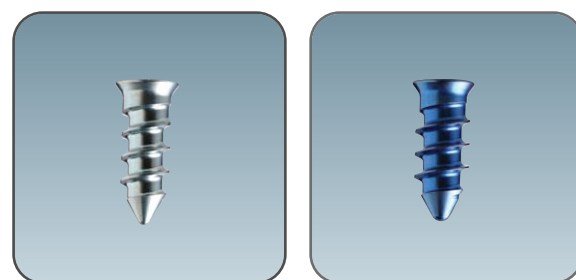
Remove Screw in diagonal / symmetrical direction. Hold the plate with Plate Holder when removing the last Screw.

*Note: The Plate is for single use only.*



## IMPLANTS

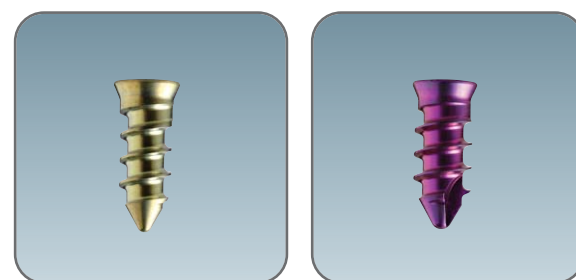
(variable)



[3.5]

[4.0]

(semi-fixed)



[3.5]

[4.0]

## PART# & SIZE

Part No.	Article Name PLATE	Size
SCA1022-S	PLATE ASSEMBLY - S TYPE - 22mm	22mm
SCA1024-S	PLATE ASSEMBLY - S TYPE - 24mm	24mm
SCA1026-S	PLATE ASSEMBLY - S TYPE - 26mm	26mm
SCA1028-S	PLATE ASSEMBLY - S TYPE - 28mm	28mm
SCA1030-S	PLATE ASSEMBLY - S TYPE - 30mm	30mm
SCA1032-S	PLATE ASSEMBLY - S TYPE - 32mm	32mm
SCA1034-S	PLATE ASSEMBLY - S TYPE - 34mm	34mm
SCA1036-S	PLATE ASSEMBLY - S TYPE - 36mm	36mm
SCA1038-S	PLATE ASSEMBLY - S TYPE - 38mm	38mm
SCA1040-S	PLATE ASSEMBLY - S TYPE - 40mm	40mm
SCA1042-S	PLATE ASSEMBLY - S TYPE - 42mm	42mm
SCA1044-S	PLATE ASSEMBLY - S TYPE - 44mm	44mm
SCA1046-S	PLATE ASSEMBLY - S TYPE - 46mm	46mm
SCA1048-S	PLATE ASSEMBLY - S TYPE - 48mm	48mm
SCA1050-S	PLATE ASSEMBLY - S TYPE - 50mm	50mm
SCA1052-S	PLATE ASSEMBLY - S TYPE - 52mm	52mm
SCA1054-S	PLATE ASSEMBLY - S TYPE - 54mm	54mm
SCA1056-S	PLATE ASSEMBLY - S TYPE - 56mm	56mm
SCA1058-S	PLATE ASSEMBLY - S TYPE - 58mm	58mm
SCA1060-S	PLATE ASSEMBLY - S TYPE - 60mm	60mm
SCA1062-S	PLATE ASSEMBLY - S TYPE - 62mm	62mm
SCA1064-S	PLATE ASSEMBLY - S TYPE - 64mm	64mm
SCA1066-S	PLATE ASSEMBLY - S TYPE - 66mm	66mm
SCA1068-S	PLATE ASSEMBLY - S TYPE - 68mm	68mm
SCA1070-S	PLATE ASSEMBLY - S TYPE - 70mm	70mm

Part No.	Article Name PLATE	Size
SC3510-V	VARIABLE SCREW Ø3.5	Ø3.5X10
SC3512-V	VARIABLE SCREW Ø3.5	Ø3.5X12
SC3514-V	VARIABLE SCREW Ø3.5	Ø3.5X14
SC3516-V	VARIABLE SCREW Ø3.5	Ø3.5X16
SC3518-V	VARIABLE SCREW Ø3.5	Ø3.5X18
SC4010-V	VARIABLE SCREW Ø4.0	Ø4.0X10
SC4012-V	VARIABLE SCREW Ø4.0	Ø4.0X12
SC4014-V	VARIABLE SCREW Ø4.0	Ø4.0X14
SC4016-V	VARIABLE SCREW Ø4.0	Ø4.0X16
SC4018-V	VARIABLE SCREW Ø4.0	Ø4.0X18
SC3510-F	SEMI FIXED SCREW Ø3.5	Ø3.5X10
SC3512-F	SEMI FIXED SCREW Ø3.5	Ø3.5X12
SC3514-F	SEMI FIXED SCREW Ø3.5	Ø3.5X14
SC3516-F	SEMI FIXED SCREW Ø3.5	Ø3.5X16
SC3518-F	SEMI FIXED SCREW Ø3.5	Ø3.5X18
SC4010-F	SEMI FIXED SCREW Ø4.0	Ø4.0X10
SC4012-F	SEMI FIXED SCREW Ø4.0	Ø4.0X12
SC4014-F	SEMI FIXED SCREW Ø4.0	Ø4.0X14
SC4016-F	SEMI FIXED SCREW Ø4.0	Ø4.0X16
SC4018-F	SEMI FIXED SCREW Ø4.0	Ø4.0X18

## INSTRUMENT



## PART# & SIZE

Part No.	Article Name	Size
SC7010	PLATE BENDER	-
SC7020	PLATE HOLDER	-
SC7030	DRILL GUIDE - SEMI FIXED TYPE	DOUBLE
SC7040	DRILL GUIDE - VARIABLE TYPE	SINGLE
SC7050	ADJUSTABLE DRILL BIT - Ø3.5	Ø3.5
SC7060	ADJUSTABLE DRILL BIT - Ø4.0	Ø4.0
SC7070	DRILL BIT - Ø3.5x14	Ø3.5x14
SC7080	DRILL BIT - Ø4.0x14	Ø4.0x14
SC7090	ADJUSTABLE STOPPER	-
SC7100	DEPTH GAUGE	-
SC7110	ADJUSTABLE TAP - Ø3.5	Ø3.5
SC7120	ADJUSTABLE TAP - Ø4.0	Ø4.0
SC7130	TAP - Ø3.5x14	Ø3.5x14
SC7140	TAP - Ø4.0x14	Ø4.0x14
SC7150	SCREW DRIVER & HOLDER	-
SC7160	DRIVING HANDLE	-
SC7170	TEMPORARY FIXATION PIN DRIVER	-
SC7180	TEMPORARY FIXATION PIN	-
SC7190	REMOVER (FOR ELASTIC TYPE)	-
SC7230	RETRACTOR	-
SC7260	RETRACTOR FIXATION PIN	-

Part No.	Article Name	Size
SC001	MAXIMA CASE	-
SC001-A	MAXIMA UPPER TRAY	-
SC001-B	MAXIMA MIDDLE TRAY	-
SC001-C	MAXIMA LOWER TRAY	-
SC001-D	MAXIMA COVER	-
SC001-E	MAXIMA CONTAINER	-
SC001-F	MAXIMA SCREW CADDY FOR VARIABLE TYPE	-
SC001-G	MAXIMA SCREW CADDY FOR SEMI FIXED TYPE	-
SC001-H	MAXIMA PLATE TRAY	-