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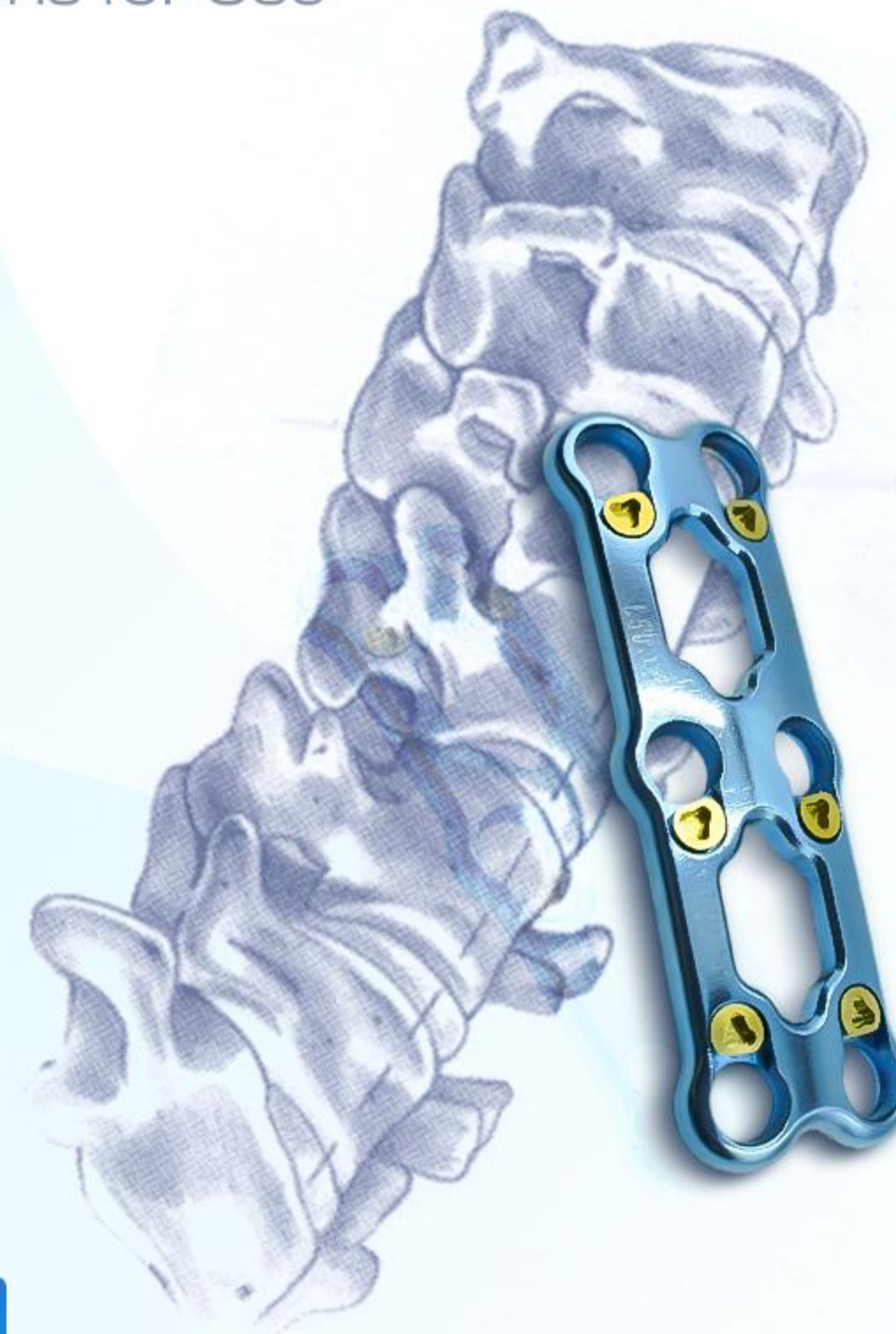
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Anterior Cervical Plate-III

Instructions for Use



Material: TAG3

Cervical Degenerative Disease

Cervical Fracture with Cervical Instability / Cervical Tumor

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Indications

Anterior Cervical Plate-III



- Cervical Degenerative Disease
- Cervical Fracture with Cervical Instability
- Cervical Tumor

Contraindications

- ✗ · Patients with Mental Disorders or Psychological Disorders
- ✗ · Patients with Bleeding Tendencies
- ✗ · Severe Osteoporosis
- ✗ · Patients Unable to Tolerate Surgery

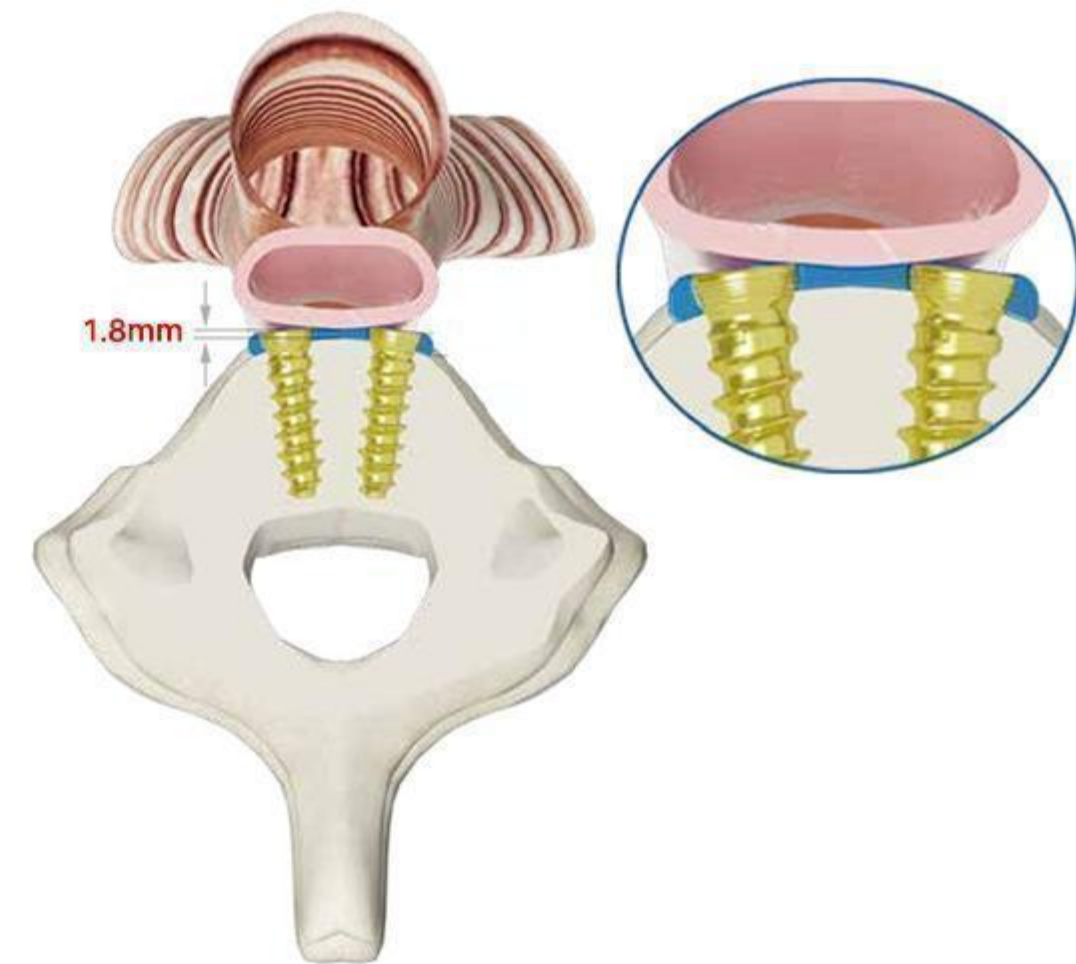


Product Features

Anterior Cervical Plate-III



- Ultra-Low Profile Design
- Fully Anatomical Curved Surface
- Multi-Mode Screw Fixation
- Independent Screw Locking Anti-Backout Mechanism
- Effectively Reduces Postoperative Foreign Body Sensation During Swallowing



Surgical Procedure

1. Patient Positioning

The patient is placed in the supine position with the head and neck under slight natural extension traction.

A pad is placed beneath the posterior neck to establish and maintain the normal physiological curvature of the cervical spine.

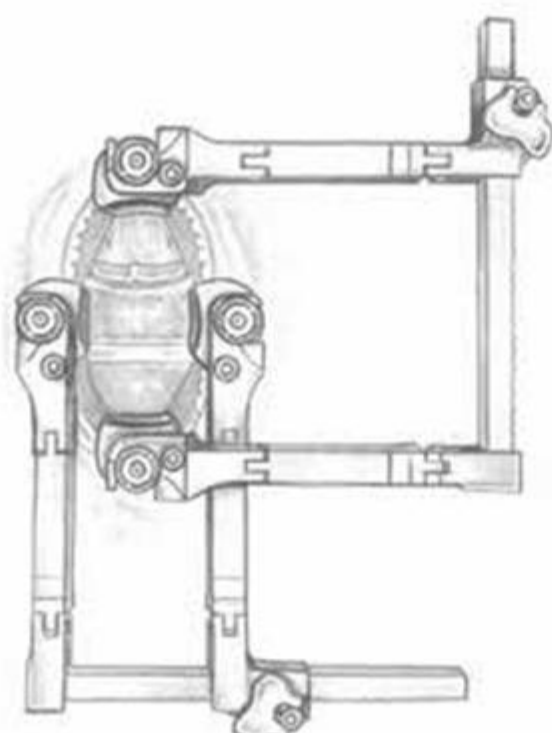
For C6–C7 procedures, the shoulders should be pulled and secured toward the caudal side to facilitate intraoperative fluoroscopy.



2. Incision & Exposure

After routine sterilization and draping, a transverse incision is made along the neck crease, while a longitudinal incision may be used for multilevel procedures. The skin and platysma are incised, followed by blunt dissection between the carotid sheath and visceral sheath to expose the anterior vertebral body.

A self-retaining retractor is applied, the operative level is confirmed under fluoroscopy, and the vertebral bodies are moderately distracted. The disc and pathological tissues are removed until the posterior longitudinal ligament is exposed, followed by insertion of a bone graft or fusion cage.



3. Plate Positioning

The plate is positioned on the anterior cervical spine using a plate holder.

The proximal screw holes should be located at the lower one-third of the upper vertebral body.

The distal screw holes should be located at the upper one-third of the lower vertebral body.

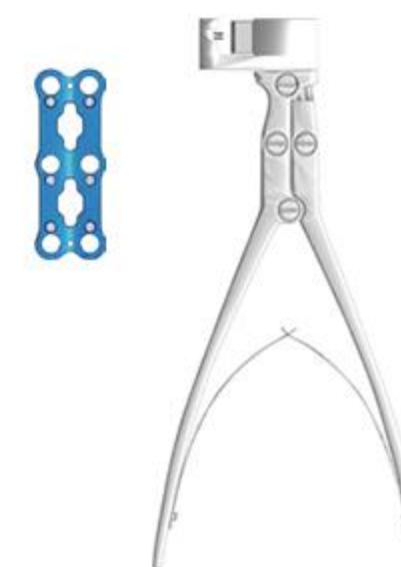


4. Plate Contouring

The plate features an anatomical design and generally does not require contouring.

If contouring is necessary, dedicated bending pliers should be used.

Repeated bending of the plate should be avoided.



5. Intervertebral Distraction

First, use the distraction pin driver to sequentially insert two distraction pins into the anterior cervical vertebrae. Then attach the distractor head to the pins and rotate the knob to distract the intervertebral space.



6. Temporary Fixation

Temporary fixation pins are used to secure the plate.

The pins are inserted into the plate holes using a diagonal fixation method.



7. Drilling

A fixed-angle guide or drill guide is used to accurately position the drill sleeve over the screw hole before drilling.



8. Screw Insertion

Insert screws at the diagonal positions of the plate using a hex screwdriver.

Then remove the positioning pins and insert the remaining screws.

All screws must be fully tightened; otherwise, cam locking may be compromised.

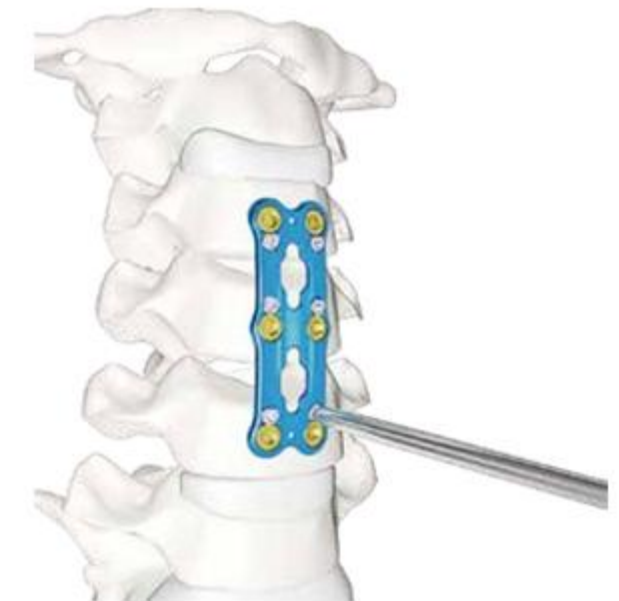
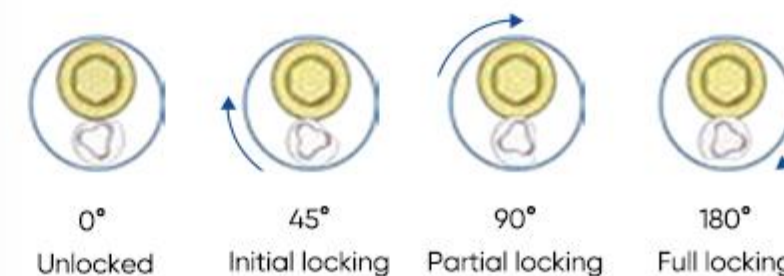


9. Cam Locking

After all screws are fully tightened, rotate the cam locking mechanism clockwise until resistance is felt on the locking driver.

The typical cam locking range is 45°–180°.

Note: The cam locking rotation must not exceed 270°



Implants

Anterior Cervical Plate-III



REF	Holes	Length
RP3JZQ4H21	4H	21mm
RP3JZQ4H23	4H	23mm
RP3JZQ4H25	4H	25mm
RP3JZQ4H27	4H	27.5mm
RP3JZQ4H30	4H	30mm
RP3JZQ4H32	4H	32.5mm
RP3JZQ4H35	4H	35mm
RP3JZQ4H37	4H	37.5mm
RP3JZQ6H40	6H	40mm
RP3JZQ6H42	6H	42.5mm
RP3JZQ6H45	6H	45mm
RP3JZQ6H47	6H	47.5mm
RP3JZQ6H50	6H	50mm
RP3JZQ6H52	6H	52.5mm
RP3JZQ6H55	6H	55mm
RP3JZQ8H57	8H	57.5mm
RP3JZQ8H60	8H	60mm
RP3JZQ8H62	8H	62.5mm
RP3JZQ8H65	8H	65mm
RP3JZQ8H67	8H	67.5mm
RP3JZQ10H70	10H	70mm
RP3JZQ10H72	10H	72.5mm
RP3JZQ10H75	10H	75mm
RP3JZQ10H77	10H	77.5mm
RP3JZQ10H80	10H	80mm

Implants

Anterior Cervical Screw-III

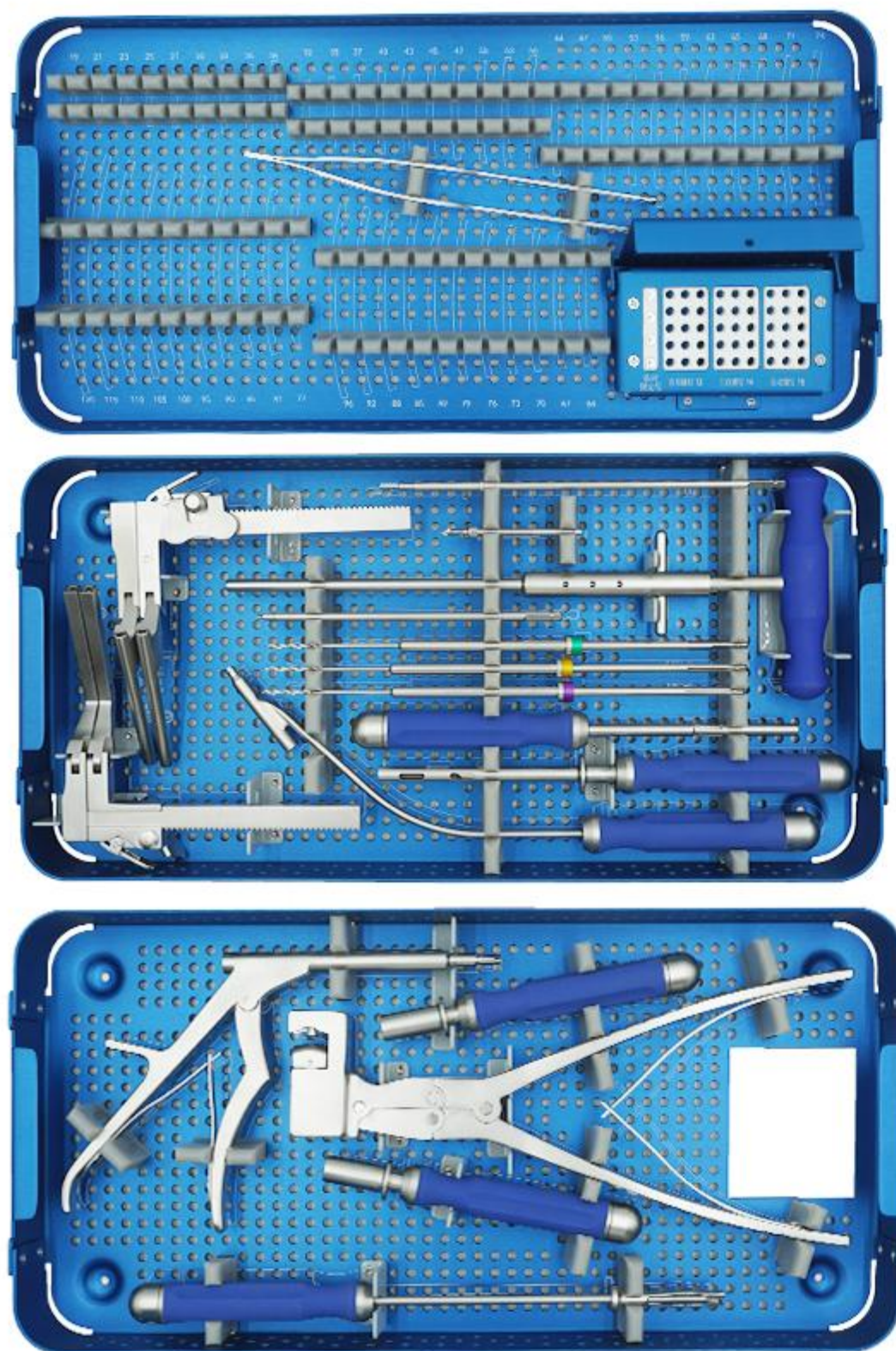


REF	Holes	Length
RS3JZQ4010	Φ4	10mm
RS3JZQ4011	Φ4	11mm
RS3JZQ4012	Φ4	12mm
RS3JZQ4013	Φ4	13mm
RS3JZQ4014	Φ4	14mm
RS3JZQ4015	Φ4	15mm
RS3JZQ4016	Φ4	16mm
RS3JZQ4017	Φ4	17mm
RS3JZQ4018	Φ4	18mm
RS3JZQ4019	Φ4	19mm
RS3JZQ4020	Φ4	20mm
RS3JZQ4021	Φ4	21mm
RS3JZQ4022	Φ4	22mm
RS3JZQ4023	Φ4	23mm
RS3JZQ4024	Φ4	24mm
RS3JZQ4025	Φ4	25mm

REF	Holes	Length
RS3JZQ4510	Φ4.5	10mm
RS3JZQ4511	Φ4.5	11mm
RS3JZQ4512	Φ4.5	12mm
RS3JZQ4513	Φ4.5	13mm
RS3JZQ4514	Φ4.5	14mm
RS3JZQ4515	Φ4.5	15mm
RS3JZQ4516	Φ4.5	16mm
RS3JZQ4517	Φ4.5	17mm
RS3JZQ4518	Φ4.5	18mm
RS3JZQ4519	Φ4.5	19mm
RS3JZQ4520	Φ4.5	20mm
RS3JZQ4521	Φ4.5	21mm
RS3JZQ4522	Φ4.5	22mm
RS3JZQ4523	Φ4.5	23mm
RS3JZQ4524	Φ4.5	24mm
RS3JZQ4525	Φ4.5	25mm

Instrument Set

Anterior Cervical Plate-III System



Product Code: RQ3JQ01

Anterior Cervical Plate-III System Instrument Set – Product Details List

REF	Product Name	QTY
RQ3JQTKLZ	AWL, 420B/17-4/Silicone	1
RQ3JQSW25	SW2.5 Hex Wrench, 420B/17-4/Silicone	1
RQ3JQSZ35	ø3.5 Tap, 420B	1
RQ3JQ3YQZ	Screwdriver, 420B	2
RQ3JQ22XWZ12	ø2.2 (12mm) Bone Drill, 420B/6061/17-4	1
RQ3JQ22XWZ14	ø2.2 (14mm) Bone Drill, 420B/6061/17-4	1
RQ3JQ22XWZ16	ø2.2 (16mm) Bone Drill, 420B/6061/17-4	1
RQ3JQGDDZ	Monoaxial Screw Guide, 17-4PH/Silicone	1
RQ3JQCDQZ	Brace Screw Holder, 17-4PH/Silicone	1
RQ3JQGKD	Plate Holder, 17-4PH	2
RQ3JQCDQ	Drill Guide, 17-4PH	1
RQ3JQCBN	Plate Holder, 17-4PH	1
RQ3JQCBDZ	Drill Guide, 17-4PH	1
RQ3JQWBQ	Plate Bender, 17-4PH	1
RQ3JQCKQL	Retractor-left, 17-4PH	1
RQ3JQCKQR	Retractor-right, 17-4PH	1
RQ3JQZKSB	Quick Coupling Handle, 17-4PH/Silicone	2
RQ3JQLGZ	Location Screw, 17-4PH	4
RQ3JQMJHL	Instrument Box, 5052	1