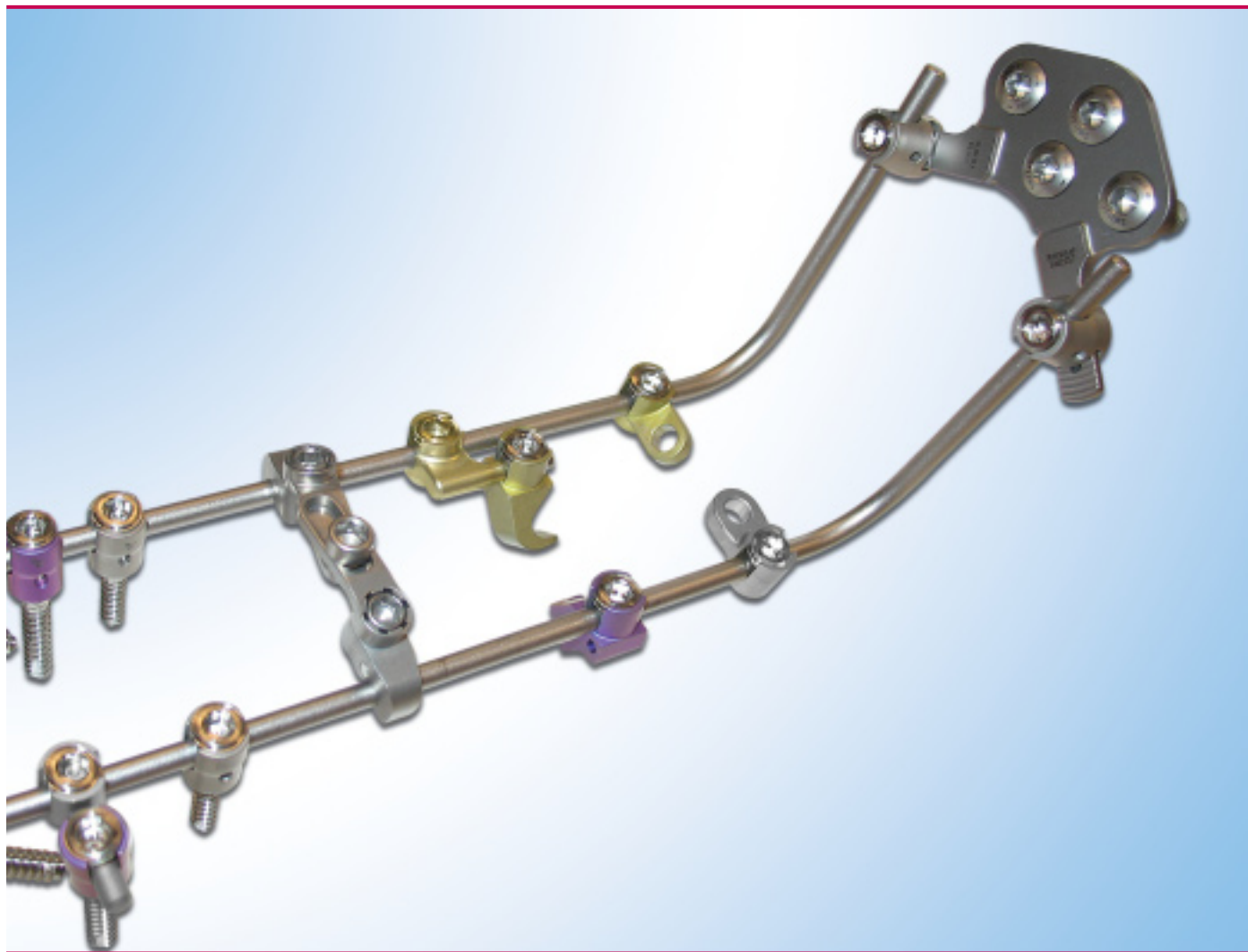


Aesculap Spine

S⁴® Cervical System

Posterior Occipital Cervical Thoracic
Fixation System



S⁴ Cervical System

The S⁴ Cervical System offers maximum versatility through its wide range of implant selection and instrumentation to meet the special needs of the cervical and thoracic spine.

Features and Benefits

Small

- Small profile of the screw head
- Wide screw angle and low profile allows for easy adaptation of the construct to patient anatomy

Stable

- Set screw thread design ensures maximum strength and stabilization of the polyaxial construct
- Special shaped seat inside the screw provides superior axial rod grip
- Exceptional overall biomechanical stability

Simple

- Specialized instruments for easy screw and hook placement in various anatomical situations
- Color-coded implants and instruments for ease-of-use
- Guiding instruments for minimal access and soft tissue and nerve root protection

Safe

- Small implant volume, overall biomechanical strength, and easy access instruments help to achieve a fast and efficient surgical procedure with optimal patient outcome



S⁴ Cervical Implant Overview

S⁴C Polyaxial Screws, 3.5 mm

Item No.	Description	Diameter	Length											
SW161T	Polyaxial Screw, Silver	3.5 mm	10 mm											
SX462T	Polyaxial Screw, Silver	3.5 mm	12 mm											
SX464T	Polyaxial Screw, Silver	3.5 mm	14 mm											
SX466T	Polyaxial Screw, Silver	3.5 mm	16 mm											
SW165T	Polyaxial Screw, Silver	3.5 mm	18 mm											
SX470T	Polyaxial Screw, Silver	3.5 mm	20 mm											
SW167T	Polyaxial Screw, Silver	3.5 mm	22 mm											
SW168T	Polyaxial Screw, Silver	3.5 mm </tr <tr> <td>SW169T</td> <td>Polyaxial Screw, Silver</td> <td>3.5 mm</td> <td>26 mm</td> </tr> <tr> <td>SW170T</td> <td>Polyaxial Screw, Silver</td> <td>3.5 mm</td> <td>28 mm</td> </tr> <tr> <td>SW171T</td> <td>Polyaxial Screw, Silver</td> <td>3.5 mm</td> <td>30 mm</td> </tr>	SW169T	Polyaxial Screw, Silver	3.5 mm	26 mm	SW170T	Polyaxial Screw, Silver	3.5 mm	28 mm	SW171T	Polyaxial Screw, Silver	3.5 mm	30 mm
SW169T	Polyaxial Screw, Silver	3.5 mm	26 mm											
SW170T	Polyaxial Screw, Silver	3.5 mm	28 mm											
SW171T	Polyaxial Screw, Silver	3.5 mm	30 mm											



S⁴C Polyaxial Screws, 4.0 mm

Item No.	Description	Diameter	Length
SW182T	Polyaxial Screw, Purple	4.0 mm	10 mm
SW172T	Polyaxial Screw, Purple	4.0 mm	12 mm
SW173T	Polyaxial Screw, Purple	4.0 mm	14 mm
SW174T	Polyaxial Screw, Purple	4.0 mm	16 mm
SW175T	Polyaxial Screw, Purple	4.0 mm	18 mm
SW176T	Polyaxial Screw, Purple	4.0 mm	20 mm
SW177T	Polyaxial Screw, Purple	4.0 mm	22 mm
SW178T	Polyaxial Screw, Purple	4.0 mm	24 mm
SW179T	Polyaxial Screw, Purple	4.0 mm	26 mm
SW180T	Polyaxial Screw, Purple	4.0 mm	28 mm
SW181T	Polyaxial Screw, Purple	4.0 mm	30 mm



S⁴C Favored Angle Screws, 4.0 mm

Item No.	Description	Diameter	Length
SW141T	Favored Angle Screw, Yellow	4.0 mm	10 mm
SW142T	Favored Angle Screw, Yellow	4.0 mm	12 mm
SW143T	Favored Angle Screw, Yellow	4.0 mm	14 mm
SW144T	Favored Angle Screw, Yellow	4.0 mm	16 mm
SW145T	Favored Angle Screw, Yellow	4.0 mm	18 mm
SW146T	Favored Angle Screw, Yellow	4.0 mm	20 mm
SW147T	Favored Angle Screw, Yellow	4.0 mm	22 mm
SW148T	Favored Angle Screw, Yellow	4.0 mm	24 mm
SW149T	Favored Angle Screw, Yellow	4.0 mm	26 mm
SW150T	Favored Angle Screw, Yellow	4.0 mm	28 mm
SW151T	Favored Angle Screw, Yellow	4.0 mm	30 mm
SW152T	Favored Angle Screw, Yellow	4.0 mm	32 mm



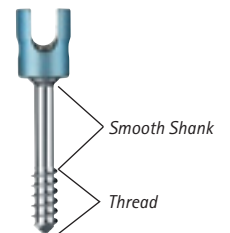
S⁴C Favored Angle Screws, 4.0 mm *(continued from page 4)*

Item No.	Description	Diameter	Length
SW153T	Favored Angle Screw, Yellow	4.0 mm	34 mm
SW154T	Favored Angle Screw, Yellow	4.0 mm	36 mm
SW155T	Favored Angle Screw, Yellow	4.0 mm	38 mm
SW156T	Favored Angle Screw, Yellow	4.0 mm	40 mm
SW157T	Favored Angle Screw, Yellow	4.0 mm	42 mm
SW158T	Favored Angle Screw, Yellow	4.0 mm	44 mm
SW159T	Favored Angle Screw, Yellow	4.0 mm	46 mm
SW160T	Favored Angle Screw, Yellow	4.0 mm	48 mm
SW121T	Favored Angle Screw, Yellow	4.0 mm	50 mm
SW122T	Favored Angle Screw, Yellow	4.0 mm	52 mm
SW123T	Favored Angle Screw, Yellow	4.0 mm	54 mm
SW124T	Favored Angle Screw, Yellow	4.0 mm	56 mm



S⁴C Smooth Shank Screws, 4.0 mm

Item No.	Description	Diameter	Thread Length	Smooth Shank Length	Overall Length
SW061T	Smooth Shank Screw, Blue	4.0 mm	16 mm	8 mm	24 mm
SW062T	Smooth Shank Screw, Blue	4.0 mm	16 mm	11 mm	27 mm
SW063T	Smooth Shank Screw, Blue	4.0 mm	16 mm	14 mm	30 mm
SW066T	Smooth Shank Screw, Blue	4.0 mm	18 mm	8 mm	26 mm
SW067T	Smooth Shank Screw, Blue	4.0 mm	18 mm	11 mm	29 mm
SW068T	Smooth Shank Screw, Blue	4.0 mm	18 mm	14 mm	32 mm
SW069T	Smooth Shank Screw, Blue	4.0 mm	18 mm	17 mm	35 mm
SW071T	Smooth Shank Screw, Blue	4.0 mm	20 mm	9 mm	29 mm
SW072T	Smooth Shank Screw, Blue	4.0 mm	20 mm	12 mm	32 mm
SW073T	Smooth Shank Screw, Blue	4.0 mm	20 mm	15 mm	35 mm
SW074T	Smooth Shank Screw, Blue	4.0 mm	20 mm	18 mm	38 mm
SW076T	Smooth Shank Screw, Blue	4.0 mm	22 mm	9 mm	31 mm
SW077T	Smooth Shank Screw, Blue	4.0 mm	22 mm	12 mm	34 mm
SW078T	Smooth Shank Screw, Blue	4.0 mm	22 mm	15 mm	37 mm
SW081T	Smooth Shank Screw, Blue	4.0 mm	24 mm	10 mm	34 mm
SW082T	Smooth Shank Screw, Blue	4.0 mm	24 mm	13 mm	37 mm
SW083T	Smooth Shank Screw, Blue	4.0 mm	24 mm	16 mm	40 mm
SW086T	Smooth Shank Screw, Blue	4.0 mm	26 mm	10 mm	36 mm
SW087T	Smooth Shank Screw, Blue	4.0 mm	26 mm	13 mm	39 mm
SW088T	Smooth Shank Screw, Blue	4.0 mm	26 mm	16 mm	42 mm



S⁴C Set Screw

Item No.	Description
SW003T	Set Screw for 3.5 mm/4.0 mm Screws



S⁴ Cervical Implant Overview

S⁴C Lamina Hooks

Item No.	Description
SW015T	Thin Lamina Hook, Left
SW017T	Thick Lamina Hook, Left



Item No.	Description
SW025T	Thin Lamina Hook, Right
SW027T	Thick Lamina Hook, Right



S⁴C Straight Rods, 3.5 mm

Item No.	Description	Diameter	Length
SW194T	Straight Rod	3.5 mm	30 mm
SW195T	Straight Rod	3.5 mm	60 mm
SW196T	Straight Rod	3.5 mm	90 mm
SW197T	Straight Rod	3.5 mm	120 mm
SW198T	Straight Rod	3.5 mm	150 mm
SW200T	Pre-bent Rod for Occipital Plate	3.5 mm	240 mm



S⁴C Dual Diameter Rod

Item No.	Description	Diameter
SW192T	Dual Diameter Rod	5.5/3.5 mm



S⁴C Cross Connectors

Item No.	Description	Length
SW115T	Cross Connector, Variable	28-33 mm
SW116T	Cross Connector, Variable	33-42 mm
SW117T	Cross Connector, Variable	42-58 mm



Item No.	Description	Length
SW112T	Cross Connector, Fixed	22 mm
SW113T	Cross Connector, Fixed	24 mm
SW114T	Cross Connector, Fixed	26 mm



S⁴C Lateral Offset Connectors

Item No.	Description
SW005T	Offset Connector





S⁴C Lateral Offset Connectors

Item No.	Description	Size
SW007T	L-shaped Offset Connector, Left	7 mm
SW009T	L-shaped Offset Connector, Left	9 mm
SW011T	L-shaped Offset Connector, Left	11 mm



Item No.	Description	Size
SW013T	L-shaped Offset Connector, Right	7 mm
SW019T	L-shaped Offset Connector, Right	9 mm
SW021T	L-shaped Offset Connector, Right	11 mm



S⁴C Cable Connectors

Item No.	Description	Degrees
SW049T	Cable Connector, Straight (Silver)	90°
SW054T	Cable Connector, Left (Purple)	45°
SW056T	Cable Connector, Right (Gold)	45°



S⁴C Rod Connectors

Item No.	Description	Diameter
SW110T	Parallel Rod Connector	3.5/3.5 mm



Item No.	Description	Diameter
SW111T	Parallel Rod Connector	3.5/5.5 mm



S⁴C Occipital Plate Screws, 4.5 mm

Item No.	Description	Diameter	Length
SW126T	Occipital Plate Screw, Silver	4.5 mm	6 mm
SW127T	Occipital Plate Screw, Silver	4.5 mm	7 mm
SW128T	Occipital Plate Screw, Silver	4.5 mm	8 mm
SW129T	Occipital Plate Screw, Silver	4.5 mm	9 mm
SW130T	Occipital Plate Screw, Silver	4.5 mm	10 mm
SW131T	Occipital Plate Screw, Silver	4.5 mm	11 mm
SW132T	Occipital Plate Screw, Silver	4.5 mm	12 mm
SW133T	Occipital Plate Screw, Silver	4.5 mm	13 mm
SW134T	Occipital Plate Screw, Silver	4.5 mm	14 mm
SW135T	Occipital Plate Screw, Silver	4.5 mm	15 mm
SW136T	Occipital Plate Screw, Silver	4.5 mm	16 mm



S⁴ Cervical Implant Overview

S⁴C Occipital Plate Screws, 5.5 mm

Item No.	Description	Diameter	Length
SW206T	Occipital Plate Screw, Purple	5.5 mm	6 mm
SW207T	Occipital Plate Screw, Purple	5.5 mm	7 mm
SW208T	Occipital Plate Screw, Purple	5.5 mm	8 mm
SW209T	Occipital Plate Screw, Purple	5.5 mm	9 mm
SW210T	Occipital Plate Screw, Purple	5.5 mm	10 mm
SW211T	Occipital Plate Screw, Purple	5.5 mm	11 mm
SW212T	Occipital Plate Screw, Purple	5.5 mm	12 mm
SW213T	Occipital Plate Screw, Purple	5.5 mm	13 mm
SW214T	Occipital Plate Screw, Purple	5.5 mm	14 mm
SW215T	Occipital Plate Screw, Purple	5.5 mm	15 mm
SW216T	Occipital Plate Screw, Purple	5.5 mm	16 mm



S⁴C Occipital Plates

Item No.	Description	Size	Medial-Lateral
SW203T	Occipital Plate, 4 Holes	Small	28 - 38 mm
SW205T	Occipital Plate, 4 Holes	Large	38 - 48 mm



Item No.	Description	Size	Medial-Lateral
SW202T	Occipital Plate, 5 Holes	Small	28 - 38 mm
SW204T	Occipital Plate, 5 Holes	Large	38 - 48 mm



S⁴C Instrumentation Overview

S⁴C Bone Preparation / Application Instruments

Item No.	Description
FW165R	Ratchet Handle



Item No.	Description
FW067R	Handle without Ratchet



Item No.	Description
FW041R	Bone Awl



Item No.	Description
FW042R	Pedicle Sounder with Depth Gauge



Item No.	Description
FW045R	Pedicle Probe



Item No.	Description
FW046R	Screw Tap, 3.5 mm



Item No.	Description
FW047R	Screw Tap, 4.0 mm



Item No.	Description
FW051SU	Drill for 3.5 mm Polyaxial Screws (D2.4 mm)



Item No.	Description
FW052SU	Drill for 4.0 mm Polyaxial Screws (D2.9 mm)



S⁴C Instrumentation Overview

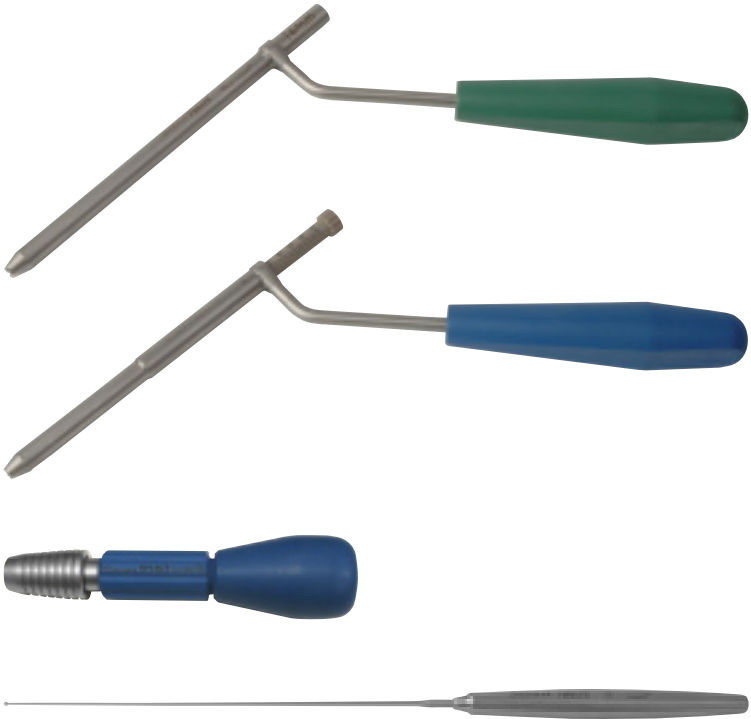
S⁴C Bone Preparation / Application Instruments

Item No.	Description
FW049R	Fixed Drill Guide, 14 mm

Item No.	Description
FW053R	Variable Drill Guide

Item No.	Description
FJ839R	Hand Twist Drill

Item No.	Description
FW044R	Ball-Tip Pedicle Sounder



S⁴C Screw / Rod Application and Removal Instruments

Item No.	Description
FW070R	Self-holding Polyaxial Screwdriver

Item No.	Description
FW061R	Torque Limiting Screwdriver

Item No.	Description
FW062R	Counter Torque Handle

Item No.	Description
FW058R	Set Screw Starter

Item No.	Description
FW059R	Double Ended Set Screw Starter

Item No.	Description
FW064R	Screw Removal Screwdriver

Item No.	Description
FW076R	Rod Holding Forceps

Item No.	Description
FW065R	Screw Body Manipulator

Item No.	Description
FW077R	Rod Persuader

Item No.	Description
FW078R	Rod Bending Template 60 mm
FW080R	Rod Bending Template 120 mm
FW081R	Rod Bending Template 290 mm

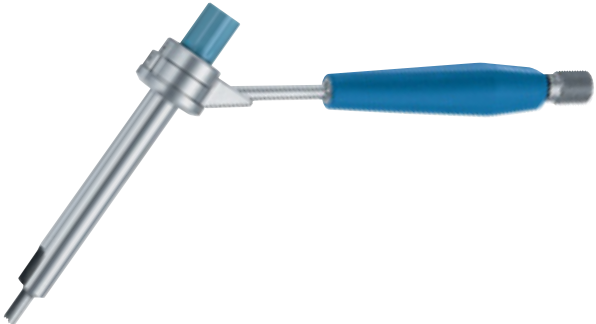
Item No.	Description
FJ968R	Apfelbaum Ball-headed Screwdriver



S⁴C Instrumentation Overview

S⁴C Smooth Shank Instruments

Item No.	Description
FW054R	Guide Tube for Screws



Item No.	Description
FW085R	Smooth Shank Bone Awl



Item No.	Description
FW086SU	Smooth Shank Drill with Depth Gauge



Item No.	Description
FW087R	Smooth Shank Screw Tap



S⁴C Instrumentation Overview

S⁴C Favored Angle / C1-C2 Instruments

Item No.	Description
FW066R	Guide Sleeve with Inner Drill Sleeve



Item No.	Description
FW069R	Screwdriver for Favored Angle Screws



Item No.	Description
FW089R	C1-C2 Screw Tap, 4.0 mm



Item No.	Description
FW088SU	C1-C2 Drill Bit (D2.9 mm/L363 mm)



Item No.	Description
FJ988R	Apfelbaum Ball End Screwdriver



Item No.	Description
FJ983R	Apfelbaum C1-C2 Obturator



Item No.	Description
FJ984R	Apfelbaum Trocar



Item No.	Description
FJ985R	Apfelbaum Inner Sleeve Guide



S⁴C Instrumentation Overview

S⁴C Rod Bending Instruments

Item No.	Description
FW037R	French Bender for 3.5 mm Rods



Item No.	Description
FW074R	In-Situ Rod Bender, Right



Item No.	Description
FW073R	In-Situ Rod Bender, Left



Item No.	Description
FW036R	3.5 mm Rod Bending Plates (pair)



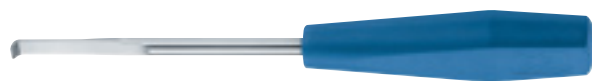
Item No.	Description
FW082R	Rod Cutter for 3.5 mm Rods



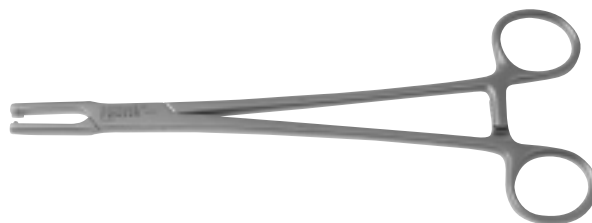


S⁴C Reconstruction Instruments

Item No.	Description
FW071R	Lamina Preparator



Item No.	Description
FW422R	Hook Holding Forceps, Straight



Item No.	Description
FW528R	Hook Holding Forceps, Curved



Item No.	Description
FW428R	Distraction Forceps, Straight



Item No.	Description
FW523R	Distraction Forceps, Curved



Item No.	Description
FW427R	Compression Forceps



S⁴C Instrumentation Overview

S⁴C Occipital Instruments

Item No.	Description
FW213R	Occipital Screwdriver



Item No.	Description
FW090R	Occipital Plate Bending Pliers



Item No.	Description
FW091SU	Occipital Drill Bit for 4.5 mm Screws (D2.9 mm)



Item No.	Description
FW092SU	Occipital Drill Bit for 5.5 mm Screws (D3.9 mm)



Item No.	Description
FW093R	Occipital Screw Tap, 4.5 mm



Item No.	Description
FW094R	Occipital Screw Tap, 5.5 mm



Item No.	Description
FW095R	Occipital Drill Guide, Dual Ended (D2.9 mm)
FW096R	Occipital Drill Guide, Dual Ended (D3.9 mm)



Item No.	Description
FW097R	Occipital Tap Guide, Dual Ended, 4.5 mm
FW098R	Occipital Tap Guide, Dual Ended, 5.5 mm



Item No.	Description
FW099R	Occipital Screw Remover



Item No.	Description
FW101R	Occipital Screw Removal Shaft





S⁴C Occipital Instruments

Item No.	Description
FW109R	Occipital-Mini Flexible Set Screw Starter



Item No.	Description
FW116R	Occipital T-handle f/ Screw Removal



Item No.	Description
FW103R	Occipital Torque Wrench



Item No.	Description
FW104R	Occipital Counter Torque Handle



S⁴C Trays & Recommended Sterile Containers

S⁴C Trays

Item No.	Description
FW031P	Preparation / Application Tray (I)
FW026U	Lid for Preparation / Application Tray (I)
FW033P	Rod Bending / Reconstruction Tray (III)
FW029U	Lid for Rod Bending / Reconstruction Tray (III)
MC663	Standard Implant Tray
MC664	Lid for Standard Implant Tray
MC665	Standard Implant Upper Tray
MC673	Favored Angle / Smooth Shank Tray
MC674	Lid for Favored Angle / Smooth Shank Tray
MC675	Favored Angle / Smooth Shank Upper Tray
MC680	Occipital Tray
MC681	Lid for Occipital Tray
MC682	Occipital Upper Tray

S⁴C Tray Caddies

Item No.	Description
MC666	Standard 3.5 mm Screw Caddy
MC667	Lid for Standard 3.5 mm Screw Caddy
MC668	Standard 4.0 mm Screw Caddy
MC669	Lid for Standard 4.0 mm Screw Caddy
MC670	Standard Favored Angle Screw Caddy (Sizes 10-40 mm)
MC671	Lid for Standard Favored Angle Screw Caddy (Sizes 10-40 mm)
MC672	Standard Set Screw Wheel
MC676	Favored Angle Screw Caddy (Sizes 40-56 mm)
MC677	Lid for Favored Angle Screw Caddy (Sizes 40-56 mm)
MC678	Smooth Shank Screw Caddy
MC679	Lid for Smooth Shank Screw Caddy
MC683	Occipital Screw Caddy
MC684	Lid for Occipital Screw Caddy

Recommended Sterile Containers

Item No.	Description
JN441	Bottom F/1/1 Container Perforated, Height: 120 mm
JK489	Full-Size Lid w/Retention Plate, Silver
JN442	Bottom F/1/1 Container Perforated, Height: 135 mm

Order Information

S⁴C Set Configurations

Set No.	Set Description
ST0037	Standard Implant Set
ST0038	Standard Instrument Set
ST0271	Occipital Set

ST0037	Standard Implant Set Components
✓	3.5 mm and 4.0 mm Polyaxial Screws (Sizes 10 - 30 mm)
✓	4.0 mm Favored Angle Screws (Sizes 10 - 40 mm)
✓	Set Screws
✓	Lamina Hooks
✓	3.5 mm Rods (30, 60, 90, 120, 150 mm)
✓	Dual Diameter Rods (D3.5/5.5 mm)
✓	Parallel Rod Connectors (D3.5/3.5 mm, D3.5/5.5 mm)
✓	Cross Connectors (Fixed and Variable)
✓	Lateral Offset Connectors
✓	L-shaped Offset Connectors (7, 9, 11 mm)
✓	Cable Connectors
ST0038	Standard Instrument Set Components
✓	Preparation / Application Instruments
✓	Screw / Rod Application and Removal Instruments
✓	Rod Bending
✓	Reconstruction Instruments
ST0271	Occipital Implant and Instrument Set Components
	Implant Components
✓	4.0 mm Favored Angle Screws (Sizes 40-56 mm)
✓	4.0 mm Smooth Shank Screws
✓	4.5 mm and 5.5 mm Occipital Plate Screws (Sizes 6-16 mm)
✓	4 Hole and 5 Hole Occipital Plates (Small and Large)
✓	3.5 mm Pre-bent Rods for Occipital Plate (240 mm)
	Instrument Components
✓	Occipital Instruments
✓	Favored Angle / C1-C2 Instruments
✓	Smooth Shank Instruments

For additional information, contact Customer Service at 1-866-229-3002 or visit our website at www.aesculapimplantsystems.com.



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