



POSEIDON™

POSTERIOR OCCIPITO-CERVICO-THORACIC (OCT) SYSTEM

*배경 이미지 조금
흐리게

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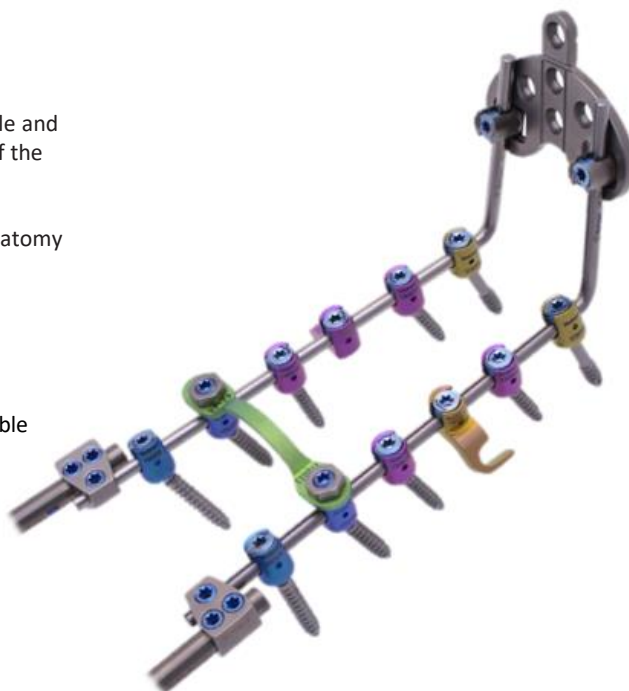


INTRODUCTION

The POSEIDON™ Spinal Fixation System is designed to provide simple and comprehensive stabilization solutions for posterior spinal fixation of the Occipito-Cervico-Thoracic spine.

This unique system combines simplicity and versatility allowing the surgeon to design constructs which are responsive to the unique anatomy and the requirements of the pathology being treated

- 3.5mm Rods system
- Ø3.5mm/4.0mm Poly Axial Screws
- Lateral Mass Screws, Pedicles Screws, Smooth Shank Screws available
- Reduction Screws also available
- Straight, pre-bending Rods from 30mm to 400mm
- Transition Rods available from Ø3.5mm rod with Ø4.5/5.5/6.0mm
- Wide range of connectors
(Ø3.5mm rod to Ø3.5/4.5/5.0/5.5/6.0/6.35mm rods)



INDICATIONS

The POSEIDON™ Spinal Fixation System is used for Instabilities

In the upper cervical and in the occipitocervical region:

- Degenerative Disc Disease
- Spondylolisthesis
- Spinal stenosis
- Fracture and dislocation
- Atlantoaxial fracture with instability
- Occipito-cervical dislocation
- Revision of previous cervical spine surgery
- Tumors

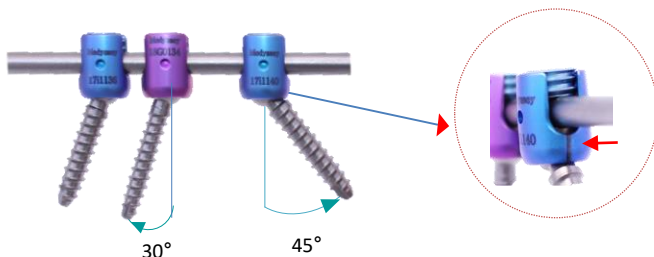
CONTRAINDICATIONS

- Severe osteoporosis
- Previous history of infection
- Excessive local inflammation
- Open wounds
- Obesity
- Patients having inadequate tissue coverage of the operative site
- Pregnancy, a condition of senility, mental illness, or substance abuse
- Foreign body sensitivity

*For more details, please refer to the POSEIDON™ IFU.



POSEIDON™ SYSTEM COMPETITIVE ADVANTAGE



▪ Biased Angle

The POSEIDON™ Poly Axial Screw has a 60° cone of angulation with an additional 15° biased in one direction. The black laser line on the housing indicates that this side of screw has a 45° angulation while the other side has 30°.

This additional biased angulation (on the black laser line) allows optimal contact with the posterior elements in situation where the patient presents with challenging anatomy.

▪ Smooth Shank Screw

The POSEIDON™ Smooth Shank Poly Axial screws are available in diameter of 4.0mm.

The Smooth Shank Screw has a non-threaded shank to potentially avoid nerve root or tissue irritation.

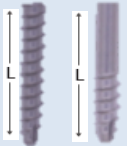


▪ Reduction Screw

The POSEIDON™ reduction screws are available in both poly Axial screws and smooth shank screws. The reduction screw provides extra reach when the rod is further away from the screw head. It becomes a normal poly axial screw after reduction tabs have been removed.



POSEIDON™ SCREWS (For Ø3.5mm Rod)

Head Diameter(mm) = 8.5		POLY AXIAL SCREW		SMOOTH SHANK SCREW	
					
D(mm)	L(mm)	POLY	REDUCTION	SMOOTH SHANK	REDUCTION
3.5	10	PPO3510	RPP3510	-	-
	12	PPO3512	RPP3512	-	-
	14	PPO3514	RPP3514	-	-
	16	PPO3516	RPP3516	-	-
	18	PPO3518	RPP3518	-	-
	20	PPO3520	RPP3520	-	-
	22	PPO3522	RPP3522	-	-
	24	PPO3524	RPP3524	-	-
	26	PPO3526	RPP3526	-	-
	28	PPO3528	RPP3528	-	-
	30	PPO3530	RPP3530	-	-
4.0	10	PPO4010	RPP4010	-	-
	12	PPO4012	RPP4012	-	-
	14	PPO4014	RPP4014	-	-
	16	PPO4016	RPP4016	-	-
	18	PPO4018	RPP4018	-	-
	20	PPO4020	RPP4020	PPOS4020	RPPS4020
	22	PPO4022	RPP4022	PPOS4022	RPPS4022
	24	PPO4024	RPP4024	PPOS4024	RPPS4024
	26	PPO4026	RPP4026	PPOS4026	RPPS4026
	28	PPO4028	RPP4028	PPOS4028	RPPS4028
	30	PPO4030	RPP4030	PPOS4030	RPPS4030
	32	PPO4032	RPP4032	PPOS4032	RPPS4032
	34	PPO4034	RPP4034	PPOS4034	RPPS4034
	36	PPO4036	RPP4036	PPOS4036	RPPS4036

*Set screw

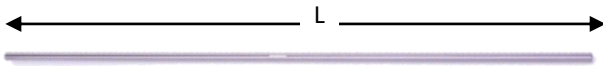


CODE	Dia Ø	L
SA070	Ø7.0mm	3.2mm

POSEIDON™ ROD(Titanium Alloy)

* 4.0mm Rods also available

Straight Ti Rod



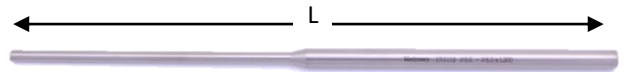
CODE	Dia Ø	L
R35030	Ø3.5mm	30mm
R35040		40mm
R35050		50mm
R35060		60mm
R35080		80mm
R35090		90mm
R35100		100mm
R35120		120mm
R35140		140mm
R35160		160mm
R35180		180mm
R35200		200mm
R35240		240mm
R35260		260mm

OCP Pre-Bending Rod



CODE	Dia Ø	L
OR35120	Ø3.5mm	120mm
OR35240		240mm

Transition Rod



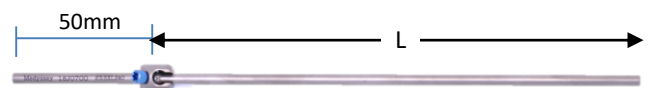
CODE	Dia Ø	L
DR3545	Ø3.5 X Ø4.5mm	200mm
DR3555	Ø3.5 X Ø5.5mm	200mm
DR3560	Ø3.5 X Ø6.0mm	200mm
DR3545L	Ø3.5 X Ø4.5mm	400mm
DR355L	Ø3.5 X Ø5.5mm	400mm
DR3560L	Ø3.5 X Ø6.0mm	400mm

OCP Rod



CODE	Dia Ø	L
OR35120	Ø3.5mm	120mm
OR35240		240mm

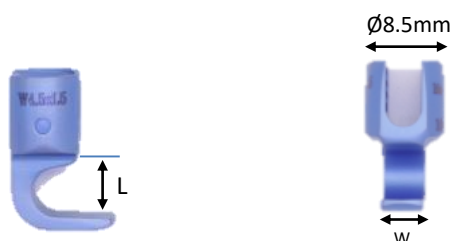
Hinge Rod



CODE	Dia Ø	L
HR35120	Ø3.5mm	120mm
HR35240		240mm

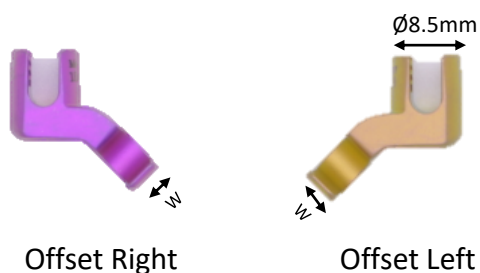
POSEIDON™ HOOKS & CONNECTORS

Lamina Hook(For 3.5mm Rod)



CODE	L	W
PLH54	5mm	4.5mm
PLH56	5mm	6mm
PLH74	7mm	4.5mm
PLH76	7mm	6mm

Offset Lamina Hook(For 3.5mm Rod)

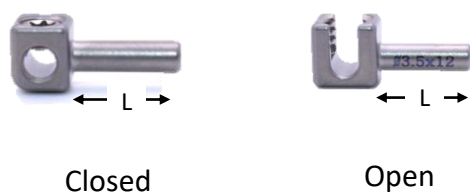


Offset Right

Offset Left

CODE	W
OLH4R	4.5mm
OLH6R	6mm
OLH4L	4.5mm
OLH6L	6mm

Lateral Offset Connector(For 3.5mm Rod)



Closed

Open

Closed	Open	L
LOC08	LNC08	8mm
LOC10	LLNC10	10mm
LOC12	LNC12	12mm
LOC14	-	14mm

Rod to Rod Connector



Type A

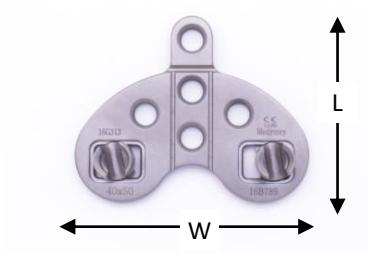
Type B

Type A	Type B	Dia Ø
PC3535	-	Ø3.5 X Ø3.5mm
-	PC3545	Ø3.5 X Ø4.5mm
	PC3550	Ø3.5 X Ø5.0mm
	PC3555	Ø3.5 X Ø5.5mm
	PC3560	Ø3.5 X Ø6.0mm

POSEIDON™ OCP & CROSSLINKS

Occipital Plate and Screw(For 3.5mm)

5 Hole Occipital Plate



CODE	W	L
OCP540	40mm	30mm
OCP550	50mm	40mm
LOCP540	40mm	30mm
LOCP550	50mm	40mm

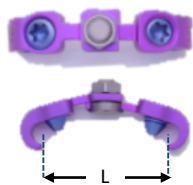
Occipital Screw



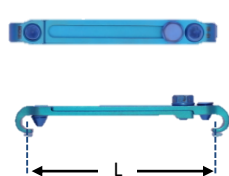
CODE	L
OCB4506	6mm
OCB4507	7mm
OCB4508	8mm
OCB4509	9mm
OCB4510	10mm
OCB4511	11mm

*Length available up to 18mm

Crosslinks(For 3.5mm)

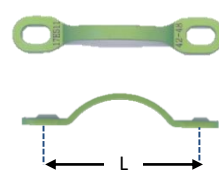
Round Type
(Adjustable)

CODE	L
CLP18R	18mm
CLP21R	21mm
CLP25R	25mm
CLP33R	33mm
CLP49R	49mm

Straight Type
(Adjustable)

CODE	L
CLP18A	18mm
CLP21A	21mm
CLP25A	25mm
CLP33A	33mm
CLP49A	49mm

Head to Head Type



CODE	L
CLP21H	21mm
CLP28H	28mm
CLP35H	35mm
CLP42H	42mm
CLP49H	49mm

▪ Head to Head Type
Bolt & Nut

CODE	L
SA070L	7.7mm



CODE	L
SA070N	3mm

POSEIDON™ INSTRUMENTS



AWL
PNAW-001



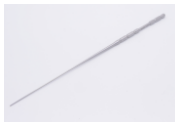
Drill Guide
PNDG-001



Probe
PNPR-001



Poly screw Driver
PNPD-H01



Tester
PNTS-002



Quick Handle
APQH-101



Depth Gauge
PNDP-001



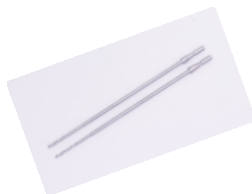
Starter(Double), T15
PNST-001



Pedicle Marker
Left PNPM-L01
Right PNPM-R01



Set Screw Driver, T15
Standard PNSD-001
Long type PNSD-002



Drill Bit
Ø2.0 PNDB-020
Ø2.5 PNDB-025
Ø3.0 PNDB-030



Anti-Torque
PNAT-001



Taps
Ø3.5 PNTP-035
Ø4.0 PNTP-040
Ø4.5 PNTP-045



Torque Wrench
PNTW-H3.8

POSEIDON™ INSTRUMENTS



Hook Finder
PNHF-001



Compressor
PNCO-001



Rod Holder
PNRH-001



Distractor
PNDR-001



Rod Template
PNTE-110
PNTE-240



Hook Holder
PNHH-001



Rod Bender
PNRB-001



Crosslink Holder
PNCH-001



Bending Irons
Right PNBI-R01
Left PNBI-L01



Crosslink Driver
He x5.01 PNCD-001
Hex 8.01 PNCD-002



Rod Derotator
PNRD-001



Rod Fork
PNRF-001



Rod Cutter
PNRC-001



Rod Pusher
PNRP-001

POSEIDON™ INSTRUMENTS



Alignment Tool
PNAL-001



Persuader
PNPS-001



OCP Drill Guide
16 or 14mm PNDG-011
12 or 10mm PNDG-021
8 or 6 mm PNDG-031



OCP Joint Screw Driver, T15
PNJD-S01



OCP Joint Drill Bit(Ø3.0)
PNJD-D30



OCP Joint Tap(Ø4.5)
PNJD-T45



OCP Anti-Torque
PNAT-011



Connector Caddy
MPO-CC1



Screw Caddy
MPO-001



Instrument Tray
NOP-001

*More Special Instruments available



**Global Headquarters / R&D Center
Medyssey Co., Ltd.**

129, Hanbang expo-ro, Jecheon-si,
Chungcheongbuk-do, 27116, Rep. of KOREA
Tel : +82.43.716.1014
Fax : +82.43.716.1015
Web : www.medyssey.co.kr

**U.S. Headquarters
Medyssey USA, Inc.**

1550 E. Higgins Rd., Ste # 123, Elk Grove
Village, IL 60007, USA
Tel : +1.847.427.0200 / 0201
Fax : +1.888.518.9070
Web : www.medyssey.com

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by Japan Patent Numbers : 3148465
as well as other pending U.S. and foreign patent applications.