



CERVICAL



Ascent™ LE

Posterior Occipital Cervico-Thoracic
(POCT) System



ORTHOFIX®
Spinal Implants

Ascent™ LE

Posterior Occipital Cervico-Thoracic (POCT) System

VERSATILITY, RELIABILITY AND SIMPLICITY FOR COMPLEX SPINAL PROCEDURES

The Ascent LE POCT system allows surgeons to address complicated fusion cases from the base of the skull down to the thoracic region. The multi-axial screws feature 66° of angulation to minimize rod contouring, while the biased angle screws accommodate a range of patient anatomies. The multi-plane adjustable cross connectors are pre-assembled and utilize a drop-in design for easy insertion. Ascent LE also offers optional occipital fixation plates and is compatible with longer cable systems. The ASCENT LE builds upon the proven success of the original ASCENT design philosophy, incorporating several technological advances required by the complex demands of Posterior Occipital Cervico-Thoracic (POCT) System surgical procedures.



Occipital anchor plates accommodate varying patient anatomies



Hooks for cervical application



Angulated Screws maximize range of motion & minimizes rod contouring



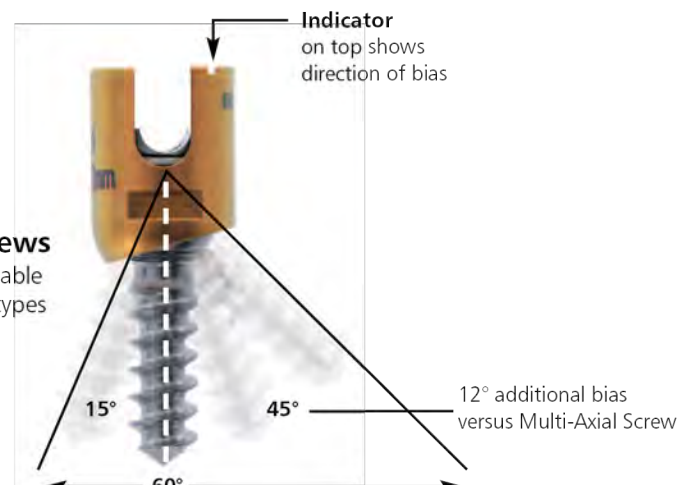
Pre-assembled cross connector provides multi-plane adjustability: translation, rotation and angulation



Connectors enable extended construct from thoracic to lumbar region

Medial/Lateral and Cephalad/Caudal Screws

Biased angle screws are available to simplify use with varying types of patient anatomy



SCREW OPTIONS

Medial/Lateral Biased Angle Screws



45° in bias angle
15° in opposite angle

3.5mm in 10mm - 30mm;
4.0mm in 10mm - 30mm
(2 mm increments)
Other sizes by request

Cephalad/Caudal Biased Angle Screws



45° in bias angle
15° in opposite angle

3.5mm in 10mm - 30mm;
4.0mm in 10mm - 30mm
(2mm increments)
Other sizes by request

Smooth Shank Screws



33° each side - 66° total

3.5mm in 26mm - 32mm;
4.0mm in 26mm - 34mm
(2mm increments)
Other sizes by request

Length of Smooth Shank on
each screw is 8mm

Multi-Axial Screws



33° each side - 66° total

3.5mm in 10mm - 30mm;
4.0mm in 10mm - 30mm
(2mm increments)
Other sizes by request

ROD OPTIONS

Rods

70mm, 120mm and 200mm

Transition Rods

200mm, 3.0mm to 5.5mm
Other sizes by request



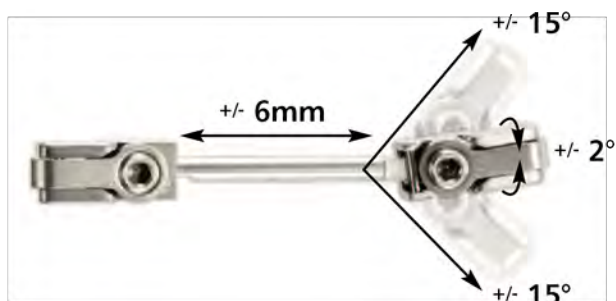
HOOK OPTIONS



Hooks

4.5mm and 6.0mm

RELIABILITY TO ASSIST IN SUCCESSFUL PATIENT OUTCOMES



Cross Connectors

20mm - 50mm (5mm increments)

Multi-plane Adjustability

- Translation +/- 6mm
- Rotation +/- 2°
- Angulation +/- 30° total

Pre-Assembled with drop-in design for additional torsional rigidity to the construct.



Occipital Anchor Plates

31mm, 37mm, 45mm, 50mm

Occipital Bone Screws and Rescue Screws
6mm - 14mm (2mm increments)

- Multiple sizes for varying anatomy
- Four points of fixation for added security
- Enables fixation to extend to the occiput

SIMPLICITY TO STREAMLINE THE PROCEDURE

Tools

- Rod Cutter with a ratcheting action for ease of use
- Multi-Axial Screwdriver improves coaxial alignment of implant with the driver
- Rod Reducer for simultaneous rod reduction and set screw placement while allowing surgeons a clear field of vision



Rod Cutter



Rod Reducer

Multi-Axial Screwdriver

PRIMARY IMPLANT CASE

MULTI-AXIAL SCREWS

66-3310	3.5mm x 10mm	66-3322	3.5mm x 22mm	66-3412	4.0mm x 12mm	66-3424	4.0mm x 24mm
66-3312	3.5mm x 12mm	66-3324	3.5mm x 24mm	66-3414	4.0mm x 14mm	66-3426	4.0mm x 26mm
66-3314	3.5mm x 14mm	66-3326	3.5mm x 26mm	66-3416	4.0mm x 16mm	66-3428	4.0mm x 28mm
66-3316	3.5mm x 16mm	66-3328	3.5mm x 28mm	66-3418	4.0mm x 18mm	66-3430	4.0mm x 30mm
66-3318	3.5mm x 18mm	66-3330	3.5mm x 30mm	66-3420	4.0mm x 20mm		
66-3320	3.5mm x 20mm	66-3410	4.0mm x 10mm	66-3422	4.0mm x 22mm		

Optional Multi-Axial Screws (Available Upon Request)

66-3332	3.5mm x 32mm	66-3344	3.5mm x 44mm	66-3434	4.0mm x 34mm	66-3446	4.0mm x 46mm
66-3334	3.5mm x 34mm	66-3346	3.5mm x 46mm	66-3436	4.0mm x 36mm	66-3448	4.0mm x 48mm
66-3336	3.5mm x 36mm	66-3348	3.5mm x 48mm	66-3438	4.0mm x 38mm	66-3450	4.0mm x 50mm
66-3338	3.5mm x 38mm	66-3350	3.5mm x 50mm	66-3440	4.0mm x 40mm	66-3452	4.0mm x 52mm
66-3340	3.5mm x 40mm	66-3352	3.5mm x 52mm	66-3442	4.0mm x 42mm		
66-3342	3.5mm x 42mm	66-3432	4.0mm x 32mm	66-3444	4.0mm x 44mm		

RODS

65-2070	70mm Rod	66-2020	Transition Rod, 200mm/200mm, 3.0mm to 5.5mm
65-2120	120mm Rod	66-2060	Occipital Rod
65-2000	200mm Rod		

Optional Rods (Available Upon Request)

66-2030	Transition Rod, 200mm/300mm, 3.5mm to 5.5mm	66-3030	Transition Rod, 300mm/300mm, 3.5mm to 5.5mm
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CROSS CONNECTOR ASSEMBLIES

65-5320	20mm Cross Connector
65-5325	25mm Cross Connector
65-5330	30mm Cross Connector
65-5335	35mm Cross Connector
65-5340	40mm Cross Connector
65-5345	45mm Cross Connector
65-5350	50mm Cross Connector

CERVICAL HOOKS

67-3010	4.5mm Cervical Hook
67-3011	6.0mm Cervical Hook

OTHER

65-2002	Setscrew
65-6310	Lateral Offset Adapter
65-6425	5.5mm, 3.0mm Axial Connector
65-6405	5.5mm, 3.0mm Single Offset Connector

PRIMARY IMPLANT CASE (CONTINUED)

BIASED ANGLE SCREWS - MEDIAL/LATERAL

66-3510	3.5mm x 10mm	66-3522	3.5mm x 22mm	66-3612	4.0mm x 12mm	66-3624	4.0mm x 24mm
66-3512	3.5mm x 12mm	66-3524	3.5mm x 24mm	66-3614	4.0mm x 14mm	66-3626	4.0mm x 26mm
66-3514	3.5mm x 14mm	66-3526	3.5mm x 26mm	66-3616	4.0mm x 16mm	66-3628	4.0mm x 28mm
66-3516	3.5mm x 16mm	66-3528	3.5mm x 28mm	66-3618	4.0mm x 18mm	66-3630	4.0mm x 30mm
66-3518	3.5mm x 18mm	66-3530	3.5mm x 30mm	66-3620	4.0mm x 20mm		
66-3520	3.5mm x 20mm	66-3610	4.0mm x 10mm	66-3622	4.0mm x 22mm		

Optional Biased Angle Screws - Medial/Lateral (Available Upon Request)

66-3532	3.5mm x 32mm	66-3544	3.5mm x 44mm	66-3634	4.0mm x 34mm	66-3646	4.0mm x 46mm
66-3534	3.5mm x 34mm	66-3546	3.5mm x 46mm	66-3636	4.0mm x 36mm	66-3648	4.0mm x 48mm
66-3536	3.5mm x 36mm	66-3548	3.5mm x 48mm	66-3638	4.0mm x 38mm	66-3650	4.0mm x 50mm
66-3538	3.5mm x 38mm	66-3550	3.5mm x 50mm	66-3640	4.0mm x 40mm	66-3652	4.0mm x 52mm
66-3540	3.5mm x 40mm	66-3552	3.5mm x 52mm	66-3642	4.0mm x 42mm		
66-3542	3.5mm x 42mm	66-3632	4.0mm x 32mm	66-3644	4.0mm x 44mm		

BIASED ANGLE SCREWS - CEPHALAD/CAUDAL

66-3710	3.5mm x 10mm	66-3722	3.5mm x 22mm	66-3812	4.0mm x 12mm	66-3824	4.0mm x 24mm
66-3712	3.5mm x 12mm	66-3724	3.5mm x 24mm	66-3814	4.0mm x 14mm	66-3826	4.0mm x 26mm
66-3714	3.5mm x 14mm	66-3726	3.5mm x 26mm	66-3816	4.0mm x 16mm	66-3828	4.0mm x 28mm
66-3716	3.5mm x 16mm	66-3728	3.5mm x 28mm	66-3818	4.0mm x 18mm	66-3830	4.0mm x 30mm
66-3718	3.5mm x 18mm	66-3730	3.5mm x 30mm	66-3820	4.0mm x 20mm		
66-3720	3.5mm x 20mm	66-3810	4.0mm x 10mm	66-3822	4.0mm x 22mm		

Optional Biased Angle Screws - Cephalad/Caudal (Available Upon Request)

66-3732	3.5mm x 32mm	66-3744	3.5mm x 44mm	66-3834	4.0mm x 34mm	66-3846	4.0mm x 46mm
66-3734	3.5mm x 34mm	66-3746	3.5mm x 46mm	66-3836	4.0mm x 36mm	66-3848	4.0mm x 48mm
66-3736	3.5mm x 36mm	66-3748	3.5mm x 48mm	66-3838	4.0mm x 38mm	66-3850	4.0mm x 50mm
66-3738	3.5mm x 38mm	66-3750	3.5mm x 50mm	66-3840	4.0mm x 40mm	66-3852	4.0mm x 52mm
66-3740	3.5mm x 40mm	66-3752	3.5mm x 52mm	66-3842	4.0mm x 42mm		
66-3742	3.5mm x 42mm	66-3832	4.0mm x 32mm	66-3844	4.0mm x 44mm		

SMOOTH SHANK (OPTIONAL)

66-3126	3.5mm x 26mm	66-3132	3.5mm x 32mm	66-3228	4.0mm x 28mm	66-3232	4.0mm x 32mm
66-3128	3.5mm x 28mm	66-3226	4.0mm x 26mm	66-3230	4.0mm x 30mm	66-3234	4.0mm x 34mm
66-3130	3.5mm x 30mm						

Optional Smooth Shank Screws (Available Upon Request)

66-3118	3.5mm x 18mm	66-3140	3.5mm x 40mm	66-3218	4.0mm x 18mm	66-3242	4.0mm x 42mm
66-3120	3.5mm x 20mm	66-3142	3.5mm x 42mm	66-3220	4.0mm x 20mm	66-3244	4.0mm x 44mm
66-3122	3.5mm x 22mm	66-3144	3.5mm x 44mm	66-3222	4.0mm x 22mm	66-3246	4.0mm x 46mm
66-3124	3.5mm x 24mm	66-3146	3.5mm x 46mm	66-3224	4.0mm x 24mm	66-3248	4.0mm x 48mm
66-3134	3.5mm x 34mm	66-3148	3.5mm x 48mm	66-3236	4.0mm x 36mm	66-3250	4.0mm x 50mm
66-3136	3.5mm x 36mm	66-3150	3.5mm x 50mm	66-3238	4.0mm x 38mm	66-3252	4.0mm x 52mm
66-3138	3.5mm x 38mm	66-3152	3.5mm x 52mm	66-3240	4.0mm x 40mm		

AUXILIARY CASE

OCCIPITAL ANCHOR PLATES

66-2040	31mm Occipital Anchor
66-2041	37mm Occipital Anchor
66-2042	45mm Occipital Anchor
66-2043	50mm Occipital Anchor

OTHER

66-2060	Occipital Rod
65-1063	Occipital Screw Insertor
66-1052	Counter Torque Wrench
65-2002	Setscrew
65-1030	Modular Handle

OCCIPITAL BONE SCREWS

65-2006	6mm Occipital Screw
65-2008	8mm Occipital Screw
65-2010	10mm Occipital Screw
65-2012	12mm Occipital Screw
65-2014	14mm Occipital Screw
66-2006	6mm Occipital Rescue Screw
66-2008	8mm Occipital Rescue Screw
66-2010	10mm Occipital Rescue Screw
66-2012	12mm Occipital Rescue Screw
66-2014	14mm Occipital Rescue Screw

INSTRUMENTS CASES

INSTRUMENT CASE 1

52-1035	Parallel Rod Connector Inserter
65-1001	Bone Awl
65-1002	Bone Probe
65-1004	Straight Sounder
65-1005	Curved Sounder
65-1025	3.5mm Tap
65-1026	4.0mm Tap
65-1030	Modular handle
65-1043	Rod Holder
65-1045	Screw Head Adjuster
65-1049	Canulated Rod Pusher
65-1055	70mm Trial Rod
65-1056	120mm Trial Rod
65-1057	200mm Trial Rod
65-1062	Screw Adjuster
65-1064	Domed Set Screw Driver
65-1065	Torque Limiting Driver, T-handle
65-1066	Counter Torque Wrench
66-1006	Depth Gauge
66-1010	Drill Guide
66-1015	3.5mm Drill
66-1016	4.0mm Drill
66-1037	Multi-Axial Screw Driver
66-1038	Multi-Axial Screw Driver Sleeve
66-1041	Rod Cutter
66-1042	Rod Bender
66-1060	Set Screw Holder
66-1065	Straight Handle Torque Limiting Driver (Optional)
66-1071	Rod Reducer

INSTRUMENT CASE 2

55-1072	Cross Connector Bender Left
55-1073	Cross Connector Bender Right
57-0027	Set Screw Driver (Spline Drive)
57-0047	Set Screw Torque Handle
65-1048	Compressor
65-1070	Distractor
65-1082	Cross Connector Set Screw Driver
65-1083	Cross Connector Torque Limiting Driver
65-1086	Cross Connector Template, 20mm
65-1087	Cross Connector Template, 25-30mm
65-1088	Cross Connector Template, 35-40mm
65-1089	Cross Connector Template, 45-50mm
67-0001	Hook Holder, Straight
67-0003	Hook Holder, Angled
67-0040	Laminar Elevator

Caution: Federal law (USA) restricts this device to sale by or on the order of a physician. Proper surgical procedure is the responsibility of the medical professional. Operative techniques are furnished as an informative guideline. Each surgeon must evaluate the appropriateness of a technique based on his or her personal medical credentials and experience.



Orthofix
3451 Plano Parkway
Lewisville, Texas 75056-9453 USA
1.214.937.3199
1.888.298.5700
www.orthofix.com



Medical Device Safety Services (MDSS):
Schiffgraben 41
30175, Hannover
Germany
+49 511 6262 8630
www.mdss.com

Rx Only
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