

# OVERFIX<sup>®</sup>

SPINE

## SURGICAL TECHNIQUE

### COALES-AC Interbody Fusion Cage

bioadvance

DISPOSITIVOS MÉDICOS



## COALES-AC Interbody Fusion Cage

### 1. PATIENT POSITIONING AND EXPOSURE

Position the patient in a supine position on a radiolucent operating table. Ensure that the neck of the patient is in a sagittally neutral position and supported by a cushion. When treating C6-C7 make sure that the shoulders do not limit the x-ray monitoring. For all cases, both vertebrae should be completely visible.



### 2. EXPOSURE AND DECOMPRESSION

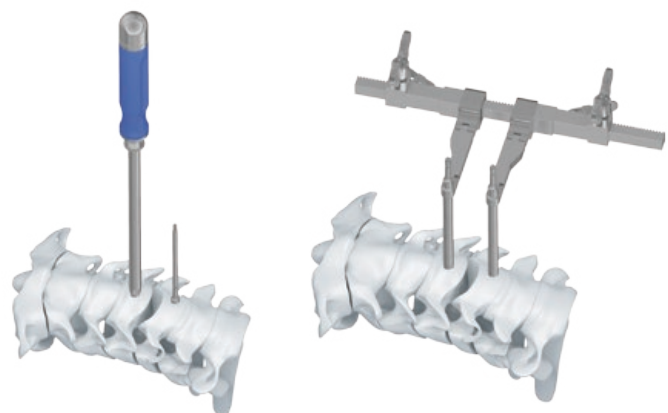
Locate the correct operative level under radiographic control and incise. Expose the intervertebral disc and the adjacent vertebral bodies through a standard anterior approach to the cervical spine.

Prepare the fusion site following the appropriate technique for the given indication.



### 3. SEGMENT DISTRACTION

Attach the distraction pin and distraction pin driver, and then insert the distraction pin into vertebral body. Amount the distractor onto the pin, and perform segmental distraction. Distraction of the segment is essential for restoring disc height and for providing good access to the intervertebral space.



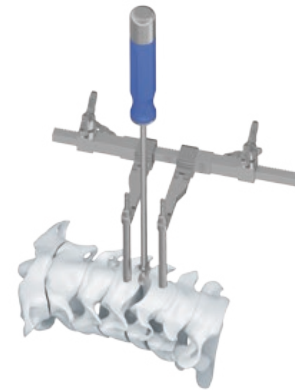
## 4. ENDPLATE PREPARATION

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When the discectomy is complete, remove the superficial cartilaginous layers of the endplates to expose bleeding bone by using scalprum.



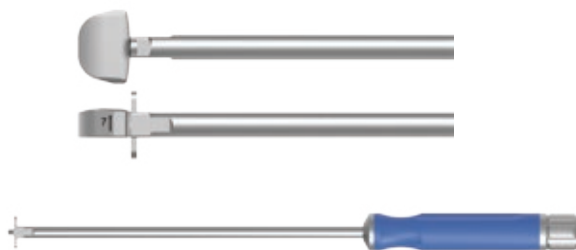
12016030 Scalprum



## 5. IMPLANT SIZE DETERMINATION

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Attach the trial spacer and implant inserter, insert the trial spacer into the intervertebral space. If necessary, controlled and light hammering with the mallet can be used to help advance the trial spacer into the intervertebral disc space. It should be noted that the convex side of the trial implant must be pointed to the cranial side when insertion.



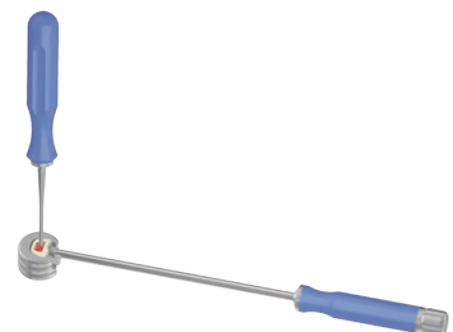
12016040 Implant Inserter



## 6. IMPLANT PREPARATION

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Attach the implant to the inserter and fill the cage with autologous bone or bone graft substitute. The cancellous bone impactor can be used to firmly pack the autologous or bone graft substitute into the implant cavity.



## 7. IMPLANT INSERTION

Confirm the implant is securely attached. Carefully insert the implant into the distracted segment, ensuring that the orientation of the implant is correct. The implant is etched with an arrow pointing cranially on lateral wall to indicate the correct cranial/caudal alignment.

If necessary, controlled and light hammering with the mallet can be used to help advance the implant into the intervertebral disc space.

Once the cage reaches the ideal position, the distractor can be removed.



## 8. CREATE FIRST PILOT HOLE

The angled awl is designed for cephalic pilot hole preparation.



12016070 Angled Awl



## 9. INSERT FIRST SCREW

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Use the jointed screw driver and stabilizer to insert the cephalic screw. The stabilizer is used to stabilize the jointed screw driver when insert the screw.



## 10. CREATE SECOND PILOT HOLE

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Use the straight awl to create the caudal pilot hole.




## 11. INSERT SECOND SCREW













Use the screw driver to insert the caudal screw.



COALES-AC	CODE	H
	71540005	5mm
	71540006	6mm
	71540007	7mm
	71540008	8mm
	71540009	9mm
	71540010	10mm
	71540011	11mm
	71540012	12mm

CERVICAL SELF-DRILLING LOCKING SCREW	CODE	D	L
	51583012	Ø3.0	12mm
	51583014	Ø3.0	14mm
	51583016	Ø3.0	16mm
	51583018	Ø3.0	18mm

CODE	PARTS DESCRIPTION	PIECES	PICTURE
12016010	Awl	1	
12006020	Distraction Pin	2	
12006019	Distraction Pin Driver	1	
12006016	Distractor	1	
12016030	Scalprum	1	
12016021	Trial Spacers-5	1	
12016022	Trial Spacers-6	1	
12016023	Trial Spacers-7	1	
12016024	Trial Spacers-8	1	
12016025	Trial Spacers-9	1	
12016026	Trial Spacers-10	1	
12016027	Trial Spacers-11	1	
12016028	Trial Spacers-12	1	
12016040	Implant Inserter	1	

CODE	PARTS DESCRIPTION	PIECES	PICTURE
12016050	Packing Block	1	
12016060	Pusher	1	
12016070	Angled Awl	1	
12016080	Jointed Screw Driver	1	
12016090	Screw Driver	2	
12016100	Straight Awl	1	
12016110	Stabilizer	1	
12009021	Cancellous Bone Impactor	1	
12016991	Instrument Case	1	
12016992	Implant Case	1	
12016120	Jointed Pre-tighten Screw Driver	(Optional)	
12016130	Pre-tighten Screw Driver	(Optional)	



Desde nuestra sede operativa en Estados Unidos, y filiales en México, Argentina, Bolivia y Chile, ofrecemos las gamas más completas para trauma, columna, cadera y rodilla.



Nuestros dispositivos cumplen con las certificaciones de calidad y registros sanitarios vigentes en cada país. Implementamos procedimientos de trazabilidad y tecnovigilancia en las diferentes etapas de almacenamiento y comercialización. Esta rigurosidad en el control nos permite sostener un alto valor de marca, garantizando la mayor seguridad a los pacientes.

Con más de 8 años dedicados a la importación y comercialización de dispositivos médicos, nos destacamos por nuestro servicio, productos de eficiencia clínica y costos competitivos. Para conocer nuestras líneas de productos, por favor póngase en contacto para vincularlo con el distribuidor más cercano a su ubicación.



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