





Pull the handle of the balloon expander(WSMP) to fill the cylinder with approx. 20cm³ of contrast agent.

Then move the seal to the "lock" position.

Step-2











The seal of the balloon expander (WSMP) remains from the cylinder.

Connecting Balloon Catheter/ Removing residual air from the system locked Turn the handle to Remove the cover of the balloon the right just before"0" Catheter(WSS10 or WSS15 or WSS20). marking to remove air The 3way valve points to the open connection with "off)

Removing air from the cylinder

Step-4





To remove the remaining air, turn the handle of the balloon expander(WSMP) to the right. The balloon inflates.

Step-5







To Remove the air from the balloon Catheter(WSS10 or WSS15 or WSS20), move the locking mechanism to the "unlock" position. Pull the handle of the balloon catheter and move the locking mechanism to the "lock" position.

LIBRA ™

Spinal Alignment System for VCF

1Kit Composition

Part No	Description	EA / Kit	
Balloon Catheter	WSS10 WSS15 WSS20		
Balloon Expander	WSMP	1ea	
Bone Marrow Needle	WSMVP	1set	
Guide Wire	WSM-1	1ea	
Canuula	WSM-2	1set	
Bone Drill	WSM-3	1ea	
Bone Cement Filler	WSM-4	1set(2ea)	

2Kit Composition

Part No	Description	EA / Kit
Balloon Catheter	WSS10 WSS15 WSS20	2ea
Balloon Expander	WSMP	2ea
Bone Marrow Needle	WSMVP	2set
Guide Wire	WSM-1	2ea
Cannular	WSM-2	2set
Bone Drill	WSM-3	1ea
Bone Cement Filler	WSM-4	3set(6ea)

LIBRA Indication VCF(Vertebral compression fracture)due to Osteoporosis Osteolytic fracture Metastatic bone fractures

Spinal Alignment System for VCF



LIBRA ™ WSMP Balloon Expander

Special Feature

Pressure Gauge indicates the pressure of the ballon Release Buttun helps to control compression and decompression by turning on "LOCK" and "UNLOCK". Pressure Gauge Release Button

LIBRA ™ WSS10/15/20 Balloon Cathete



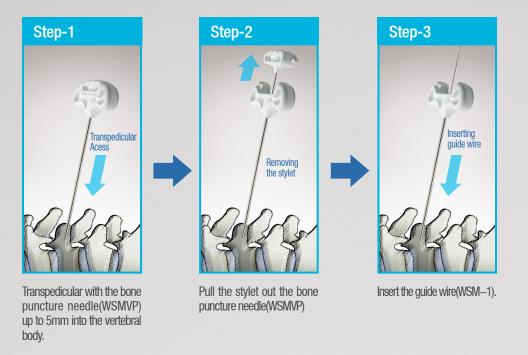


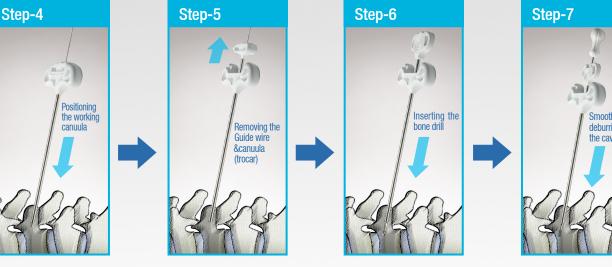
Part No.	Intial Length (mm)	PSI Rating	Maximum Diameter (mm)	Maximum Length (mm)	Maximum Volume (mm)
WSS10	12.7mm	150	17	17	4
WSS15	16.3mm	150	16.3	19	4
WSS20	19.2mm	150	18.5	25	6



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Surgical Technique - Bone Access System





Remove the bone puncture needle(WSMVP) from the vertebral body, Insert the Canuula(WSM-2) over the guide wire(WSM-1) into vertebral body.

Remove the guide wire(WSM-1) & trocar(WSM-2), only the working Canuula(WSM-2) remains in the vertebral body.

Insert the bone drill (WSM-3) into the working canuula and make the room in the vertebral body for the balloon catheter.

Check under C—arm and ensure the lumen of the working canuula to be free of bone particles.

Move the bone cement applicator(WSM-4) back and forth through the canuula(WSM-2) several times to prevent the balloon from bursting due to sharp bone fragments.

The bone cement applicator (WSM-4) must then be removed.