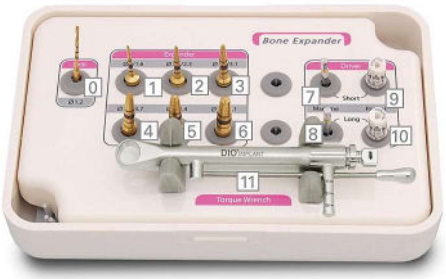
Bone Expander Set

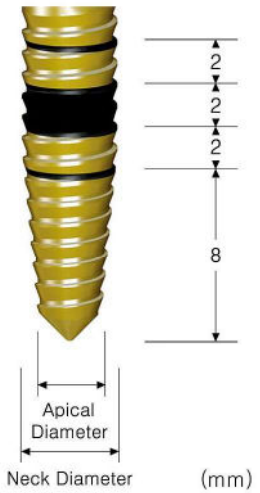
Surgical Instruments Bone Expander

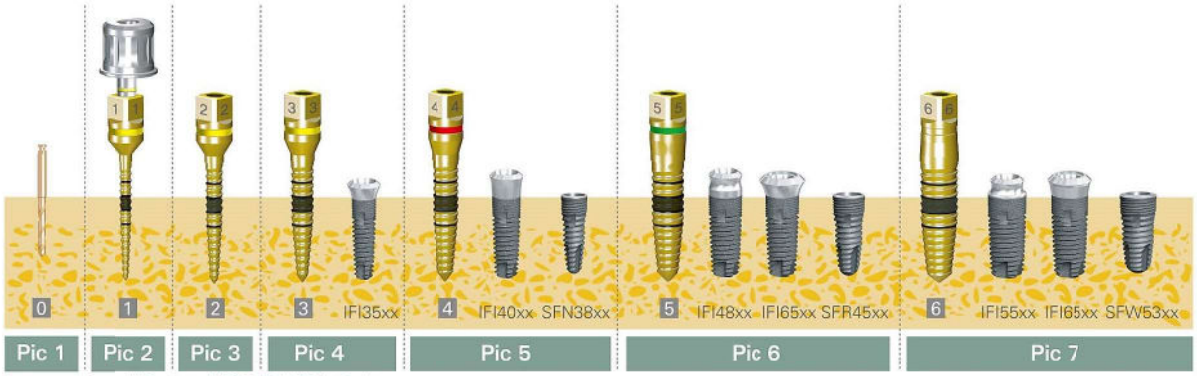
Order Code: **BEP(M) 00**

Osteotomes have been utilized in a variety of techniques designed to prepare implant sites in maxilla, to elevate the floor of the maxillary sinus and to expand the atrophic edentulous ridge. Despite its effectiveness, the surgical mallet is not well tolerated by patients.
Using a drill to prepare implant sites in maxilla and mandibular also have a risk of maxillary perforation and penetration into the nerve mandibularis.
As safe alternative and complementary instruments to the osteotomes and drills,
Bone Expander can be used for preparation of implant sites, atraumatic ridge expansion and condensing of bone.



	Description	Code	Apical/Neck(Ø)	Length	Color Code
0	1.2mm Initial Drill	MSD 1218M	1.2	16	
1	1.0/1.6mm Bone Expander	BEP 1716	1.0 / 1.6	17	
2	1.3/2.3mm Bone Expander	BEP 1723	1.3 / 2.3	17	
3	1.7/3.1mm Bone Expander	BEP 1731	1.7 / 3.1	17	
4	2.4/3.7mm Bone Expander	BEP 1737	2.4 / 3.7	17	
5	3.0/4.4mm Bone Expander	BEP 1744	3.0 / 4.4	17	
6	3.5/5.1mm Bone Expander	BEP 1751	3.5 / 5.1	17	
7	Driver(short)	MHDC 2520			
	For Contra Angle				
8	Driver(long)	MHDC 2525			
9	Driver(short)	MHDR 2513			
	For Ratchet Wrench				
10	Driver(long)	MHDR 2518			
11	Torque Wrench	DTW 0060			
	Open Wrench	OW 002			





*Option: MSD 2016(Pic 3->)

Protocol

DIO Implant Bone Expander hardens Bone density to erase difficulties caused from Osseointegration of soft or Poor Bone.
(This procedure shows the method of Implantation of SFW 5312)

Pic 1 In order to give depth and direction to desired surgical area, 1.2mm drill is used.
(800 rpmn 1200rpm is the capable engine speed)

Pic 2 To expand the implantation site. 1.6mm Bone Expander
(Color Code: Yellow) is used (Check Laser Marking)

*Connect the Bone Expander with Adapter. Then finish with Ratchet Wrench.

Pic 3 Use 2.3 Bone Expander (Color Code: Yellow) to expand the desired surgical area.
(Check Laser Marking)

Pic 4 Use 3.1mm Bone Expander (Color Code: Yellow) to expand the desired surgical area.
(Check Laser Marking)

Pic 5 Use 3.7mm Bone Expander (Color Code: Red) to expand the desired surgical area.
(Check Laser Marking)

Pic 6 Use 4.4mm Bone Expander (Color Code: Green) to expand the desired surgical area.
(Check Laser Marking)

Pic 7 Continue by using 5.1mm Bone Expander to expand the desired surgical area.
(Check Laser Marking)
Hardening the Bone has a risk of Ischemia which makes the Doctor to check whether sufficient bleeding is occurring.
Give Scrape to the desired surgical area to increase bleeding - Bleeding help Osseo Integration.

Implant SFW 5312 to the exparded hole by Bone Expander