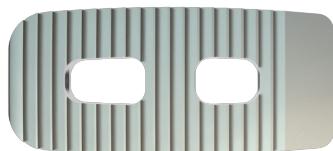
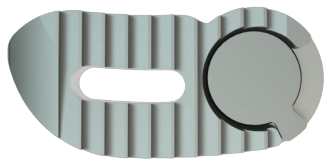
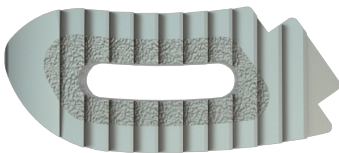
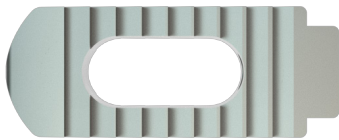


● CLOVER



monza
LUMBAR

CONCEPT & DESIGN



Monza is a complete system of interbody cages that, thanks to the titanium trabecular structure made with the latest 3D printing techniques, provides immediate and safe mechanical stability and certain osseointegration to all types of implants.

The Plif, Tlif, and Llif lumbar cages have the same features in terms of range and modularity of use given the different conformations present.

The design of the different types of implants leaves wide space for the insertion of bone tissue without weakening the structure of the device.

The Monza line of intersomatic cages consists of cages made of trabecular Titanium available for both posterior (PLIF), transforaminal (TLIF) and lateral (LLIF) approaches. Transforaminal approach cages are also available in both fixed and rotating versions, in which the cage can articulate with the holder to allow progressive rotation of the holder in the interbody space.

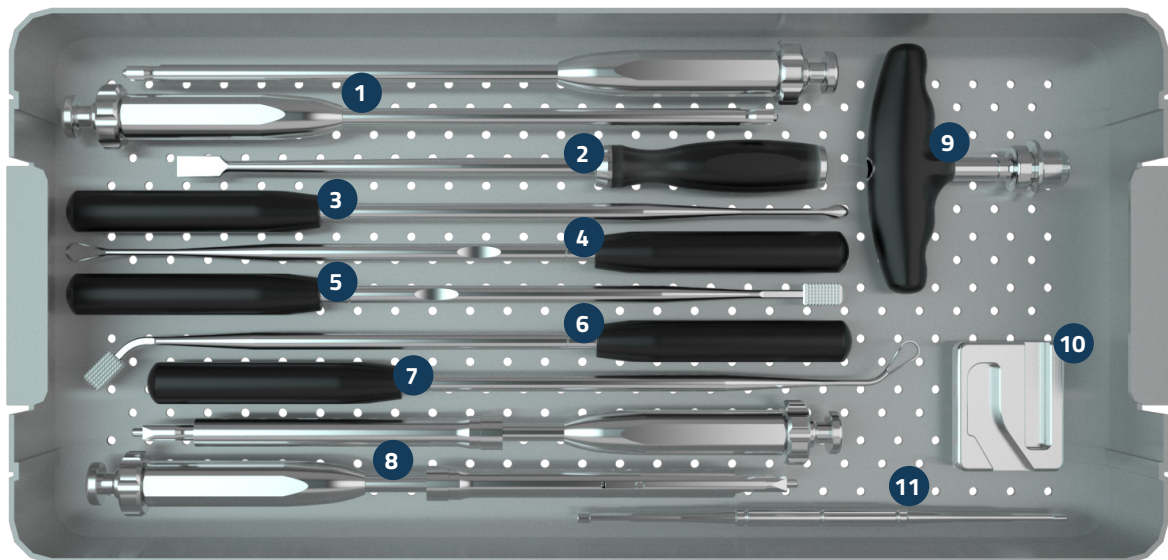
Appropriately used, Clover Orthopedics' Monza lumbar interbody cages are indicated to promote the development of a solid intervertebral fusion at the lumbar/lumbosacral level of the spine. They are indicated in cases of degenerative discopathy, pseudoarthrosis, spondylolisthesis or vertebral deformities when anterior arthrodesis is required. Its use with autologous, homologous, heterologous or synthetic bone graft is recommended to achieve fusion. The use of an additional posterior or anterior Vertebral Instrumentation System is necessary for optimal stabilization of the operated segment. Any surgical decisions other than those recommended by the manufacturer are at the discretion and responsibility of the surgeon.

INSTRUMENTS



Clover has invested heavily in instrument design and care with the goal of creating ergonomic, functional, and compact instrumentation. Designed for the surgeon and his team.

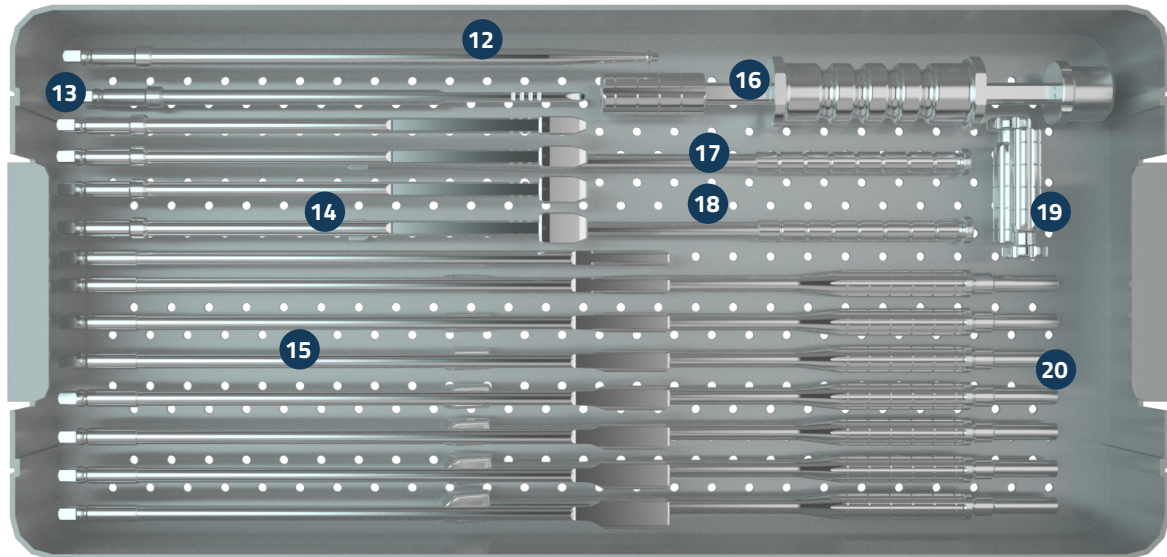
TRAY 1



1 HOLDER	MNZ-B0SS000005	7 ANGLED TEARDROP CURETTE	MNZ-C1SS000015
2 CHISEL	MNZ-POSS000045	8 ROTATING TLIF HOLDER	MNZ-B0SS000015
3 CURETTE	MNZ-COSS000005	9 CANNULATED T-HANDLE	MNZ-N1SS000005
4 TEARDROP CURETTE	MNZ-COSS000015	10 MOULD FOR BONE GRAFT	MNZ-F2SS000005
5 STRAIGHT SCRAPER	MNZ-DOSS000005	11 IMPACTOR FOR BONE GRAFT	MNZ-G0SS000005
6 ANGLED SCRAPER	MNZ-D1SS000005		

INSTRUMENTS

TRAY 2



12 EXTRACTOR	MNZ-LO5S000005	16 SLIDE HAMMER	MNZ-IO5S000005
13 STARTER 7MM	MNZ-AO5S000005	17 LATERAL IMPACTOR	MNZ-MO5S000015
14 SPREADER / TRIAL PL-STL 8MM	MNZ-HO5S000085	18 POSTERIOR IMPACTOR	MNZ-MO5S000005
SPREADER / TRIAL PL-STL 10MM	MNZ-HO5S000105	19 PL-TL INSERT	MNZ-PO5S000055
SPREADER / TRIAL PL-STL 12MM	MNZ-HO5S000125	20 TRIAL TL 7MM	MNZ-EO5S000075
SPREADER / TRIAL PL-STL 14MM	MNZ-HO5S000145	TRIAL TL 8MM	MNZ-EO5S000085
15 SHAVER 7MM	MNZ-OO5S000075	TRIAL TL 9MM	MNZ-EO5S000095
SHAVER 8MM	MNZ-OO5S000085	TRIAL TL 10MM	MNZ-EO5S000105
SHAVER 9MM	MNZ-OO5S000095	TRIAL TL 11MM	MNZ-EO5S000115
SHAVER 10MM	MNZ-OO5S000105	TRIAL TL 12MM	MNZ-EO5S000125
SHAVER 11MM	MNZ-OO5S000115	TRIAL TL 13MM	MNZ-EO5S000135
SHAVER 12MM	MNZ-OO5S000125		
SHAVER 13MM	MNZ-OO5S000135		
SHAVER 14MM	MNZ-OO5S000145		

INSTRUMENTS

HANDLE MNZ-N05S000005



T-HANDLE MNZ-N15S000005



CHISEL MNZ-P05S000045



ANGLED TEARDROP CURETTE MNZ-C15S000015



TEARDROP CURETTE MNZ-C05S000015



CURETTE MNZ-CO5S000005



STRAIGHT SCRAPER MNZ-D05S000005



ANGLED SCRAPER MNZ-D15S000005



HOLDER MNZ-B05S000005



ROTATING TLIF HOLDER MNZ-B05S000015



INSTRUMENTS

IMPACTOR FOR BONE GRAFT MNZ-G0SS000005



MOULD FOR BONE GRAFT TLIF CAGES MNZ-F1SS000005



POSTERIOR IMPACTOR MNZ-M0SS000005



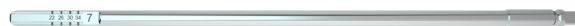
LATERAL IMPACTOR MNZ-M0SS000015



EXTRACTOR PLIF-STLIF MNZ-L0SS000005



SHAVER 7MM MNZ-00SS000075



SHAVER 8MM MNZ-00SS000085



SHAVER 9MM MNZ-00SS000095



SHAVER 10MM MNZ-00SS000105



SHAVER 11MM MNZ-00SS000115



INSTRUMENTS

SHAVER 12MM

MNZ-005S000125



SHAVER 13MM

MNZ-005S000135



SHAVER 14MM

MNZ-005S000145



TRIAL TL 7MM

MNZ-E05S000075



TRIAL TL 8MM

MNZ-E05S000085



TRIAL TL 9MM

MNZ-E05S000095



TRIAL TL 10MM

MNZ-E05S000105



TRIAL TL 11MM

MNZ-E05S000115



TRIAL TL 12MM

MNZ-E05S000125



TRIAL TL 13MM

MNZ-E05S000135



INSTRUMENTS

TRIAL PL/S-TL 7MM

MNZ-A0SS000005



TRIAL PL/S-TL 8MM

MNZ-H0SS000085



TRIAL PL/S-TL 10MM

MNZ-H0SS000105



TRIAL PL/S-TL 12MM

MNZ-H0SS000125



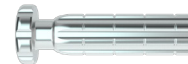
TRIAL PL/S-TL 14MM

MNZ-H0SS000145



PLIF-TLIF INSERT

MNZ-P0SS000055



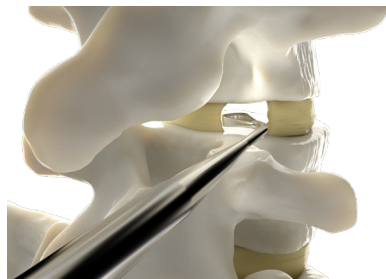
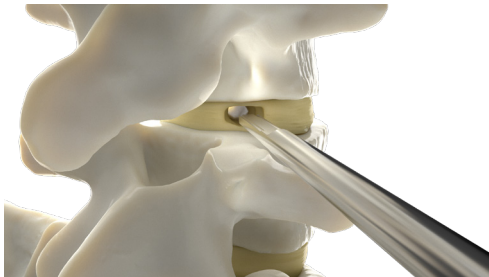
SLIDE HAMMER

MNZ-I0SS000005



TLIF SURGICAL TECHNIQUE

1 —



Disc space preparation

After identifying the implant site perform resection of the affected anatomic portion via transforaminal access.

Once the disc is reached proceed with discectomy using, in addition to the appropriate general instruments, sized **shavers**, **curettes**, and **scrapers**. The size of the last shaver used may provide a useful indication for the subsequent choice of cage trial.

2 —



Selection of the cage

Then proceed to insert the **TL trial** inside the disc, starting with the smallest size until the desired height is reached.

NOTE: The length of the TL test measures 28 mm.

3 —



Preparing the cages

Mount the cages on the **holder** and turn the ring nut on the handle clockwise.

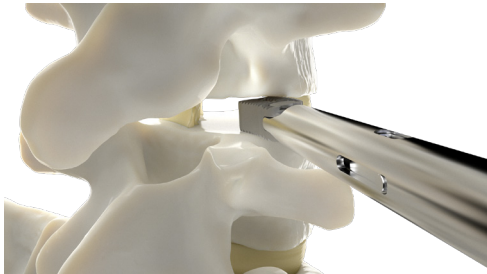
Next, in order to secure the cage to the **holder**, slide the center body of the **holder** into the cage and rotate counterclockwise.

TLIF SURGICAL TECHNIQUE



Place the cages in the **mould for bone graft PLIF/S-TLIF cages** and introduce the bone graft inside the implant hole using the appropriate **impactor for bone graft**.

4 —



Insertion of cages

Insert the cages inside the disc space to the desired depth. Unscrew the ferrule, rotate the central body clockwise and remove the **holder**.

Once the **holder** is removed, the **impactor** can be used to slightly advance the cage within the disc space.





misano 

monza 

evo 

Clover Orthopedics s.r.l.

Via Gadames n. 57/7, c.a.p. 20151 Milano

M. info@cloverorthopedics.com

W. cloverorthopedics.com

T. +39 02 457 902 31

F. +39 02 457 902 66

