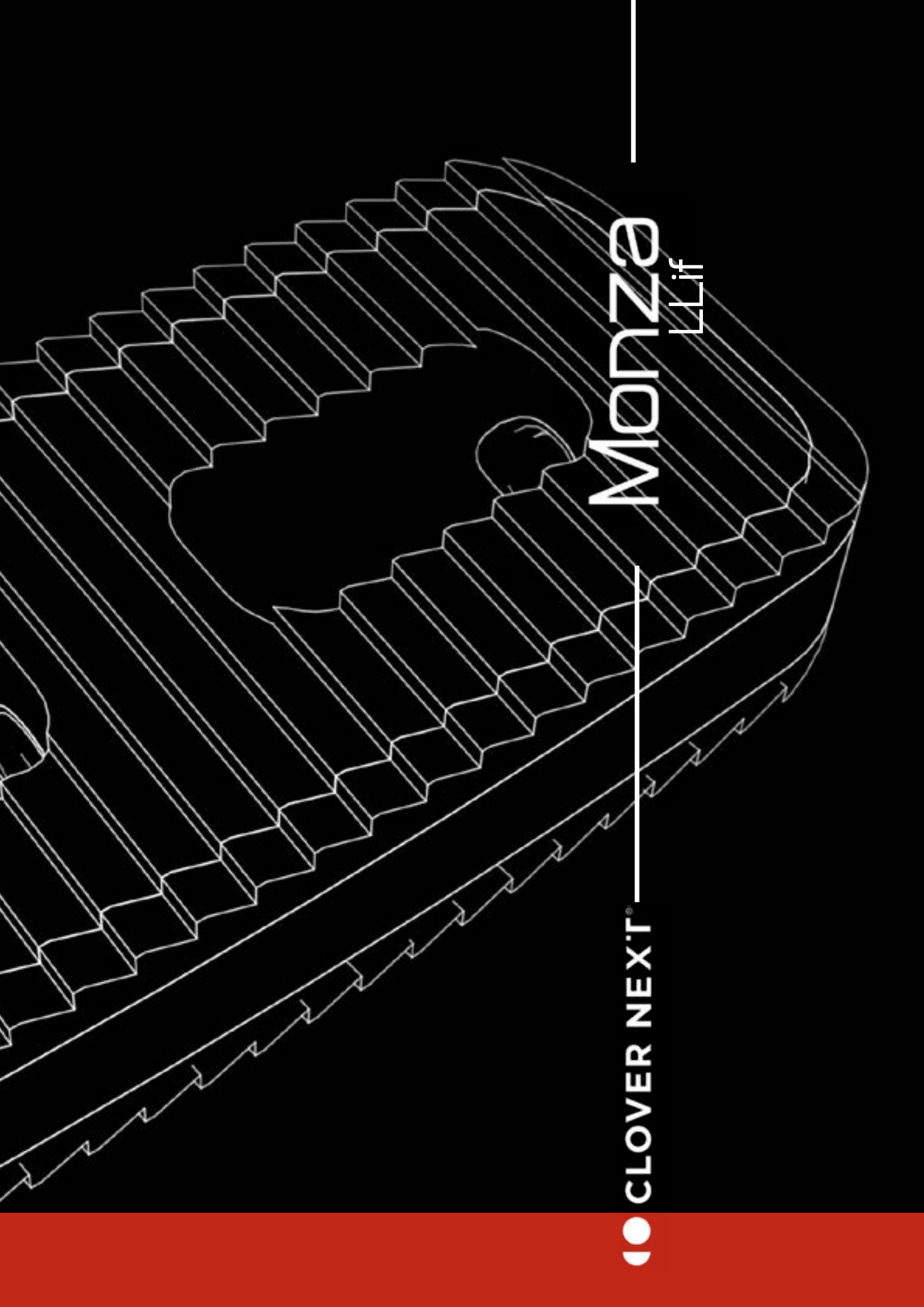




Monza
Lif

● CLOVER NEX.T



3D-Printed Titanium Trabecular Structure
Ensuring Excellent Osseointegration and
Mechanical Stability

Possibility of inserting bone grafts inside the
cage

Version of the cage fully manufactured in
next-generation heterologous bone substi-
tute

Dedicated retractor for minimally invasive
lateral access

Complete System of Lateral Interbody Cages

Monza LLIF is a comprehensive system of interbody cages implanted through a lateral approach, manufactured in trabecular titanium using the most advanced 3D-printing technologies, and also available in next-generation heterologous bone substitute, ensuring load-bearing resistance and optimal osseointegration.

LLIF cages are available in multiple sizes, both lordotic and flat, providing wide modularity of the implant.

The implant design also offers ample space for the insertion of bone graft or bone substitute.

The instrumentation is ergonomic, essential, and highly effective, offering a wide selection of tools for disc preparation, and allowing cage insertion with either straight or angled instruments.

The system also includes an innovative retractor for minimally invasive lateral access, featuring steel blades of different lengths and multipurpose light sources. Dilators are compatible with intraoperative neuromonitoring.





Features



TITANIO TRABECOLARE



3D PRINTING TECH



ETO STERILE



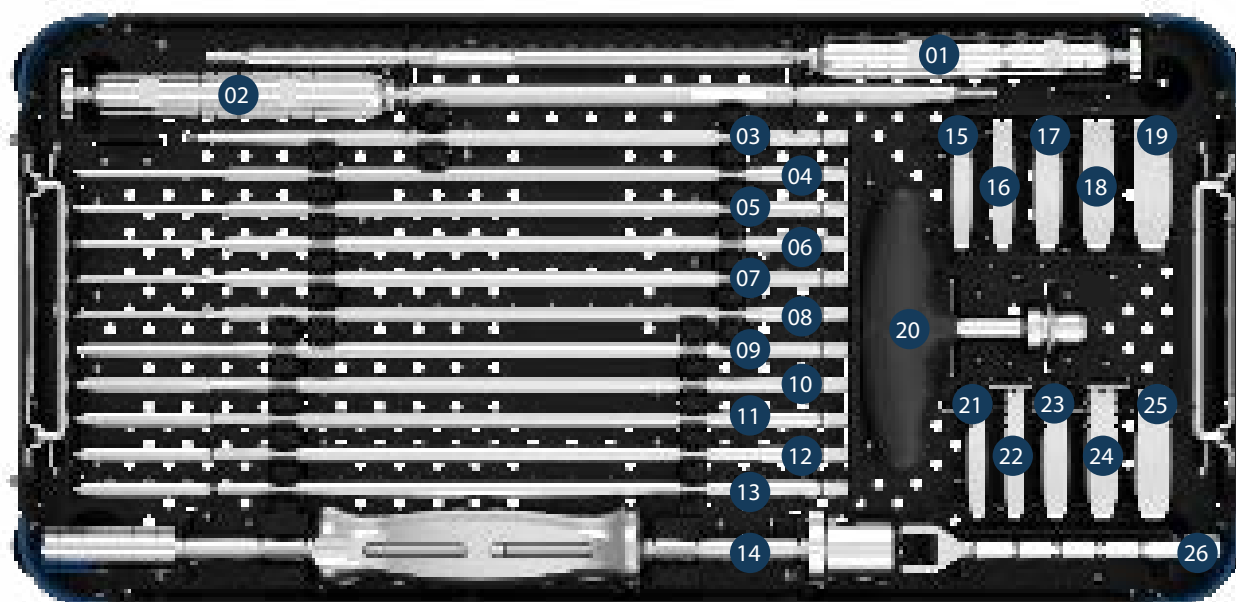
Instrumentation

Clover Next has invested heavily in the design and refinement of its instruments, with the goal of creating ergonomic, functional, and compact instrumentation.

#LESSISMORE

Instrumentation

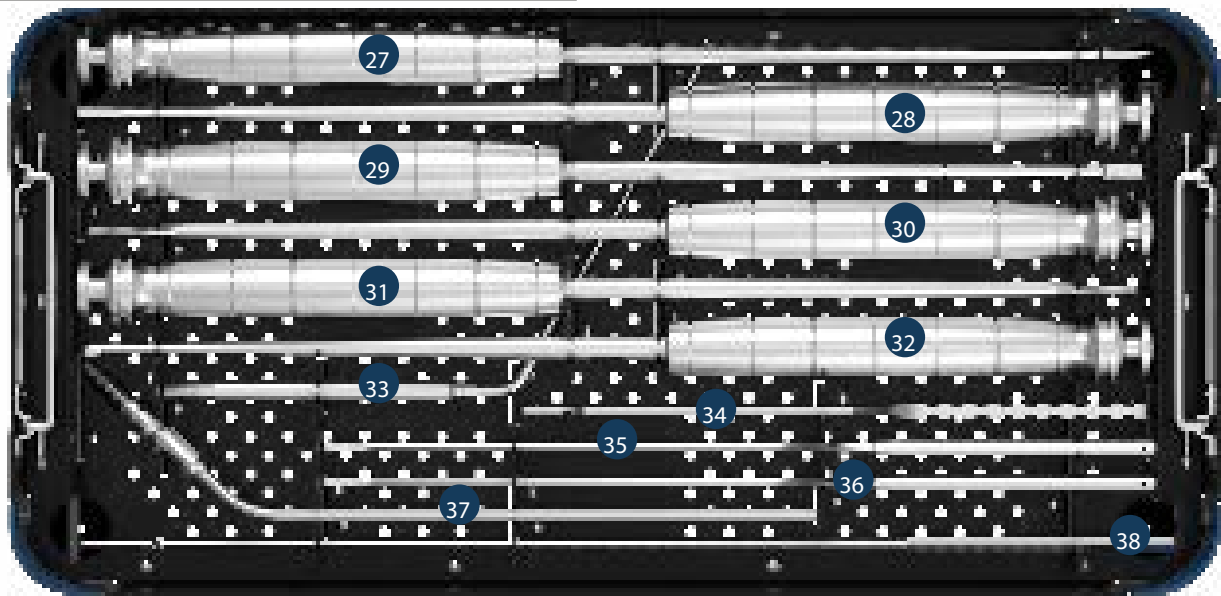
MONZA LLIF SPECIFIC



01	LLIF 18-20MM HOLDER	MNZ-B0SS00002S	14	LLIF SLIDE HAMMER	MNZ-I1SS00000S
02	LLIF 18-20MM HOLDER	MNZ-B0SS00002S	15	TRIAL LLIF LORDOTIC 18X55 - 10° - H07	MNZ-R1SS18107S
03	EXTRACTOR LLIF	MNZ-L1SS00000S	16	TRIAL LLIF LORDOTIC 18X55 - 10° - H08	MNZ-R1SS18108S
04	SHAVER LLIF H7	MNZ-O2SS00007S	17	TRIAL LLIF LORDOTIC 18X55 - 10° - H10	MNZ-R1SS18110S
05	SHAVER LLIF H8	MNZ-O2SS00008S	18	TRIAL LLIF LORDOTIC 18X55 - 10° - H12	MNZ-R1SS18112S
06	SHAVER LLIF H10	MNZ-O2SS00010S	19	TRIAL LLIF LORDOTIC 18X55 - 10° - H14	MNZ-R1SS18114S
07	SHAVER LLIF H12	MNZ-O2SS00012S	20	CANNULATED SILICONE T HANDLE	MNZ-N1SS00000S
08	SHAVER LLIF H14	MNZ-O2SS00014S	21	TRIAL LLIF 18X55 - H07	MNZ-R0SS18107S
09	SPREADER LLIF H7	MNZ-H1SS00007S	22	TRIAL LLIF 18X55 - H08	MNZ-R0SS18108S
10	SPREADER LLIF H8	MNZ-H1SS00008S	23	TRIAL LLIF 18X55 - H10	MNZ-R0SS18110S
11	SPREADER LLIF H10	MNZ-H1SS00010S	24	TRIAL LLIF 18X55 - H12	MNZ-R0SS18112S
12	SPREADER LLIF H12	MNZ-H1SS00012S	25	TRIAL LLIF 18X55 - H14	MNZ-R0SS18114S
13	SPREADER LLIF H14	MNZ-H1SS00014S	26	WRENCH Ø13 MM	MNZ-Q0SS00013S

Instrumentation

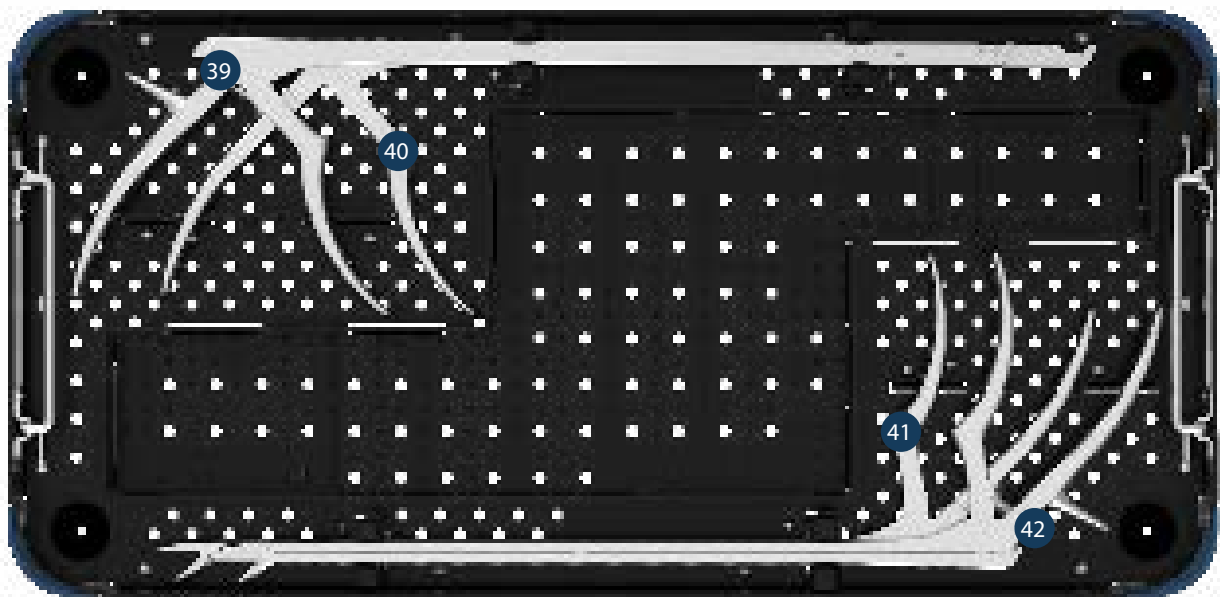
STRAIGHT ACCESS TRAY 1



27	LLIF CHISEL	MNZ-P0SS10004S	33	SUCTION RETRACTOR	MNZ-P3SS00010S
28	LLIF TEARDROP CURETTE	MNZ-C0SS10121S	34	LONG BAYONET SCALPEL	MNZ-B1SS00100S
29	LLIF STRAIGHT SCRAPER	MNZ-D0SS10006S	35	PENFIELD PULL - 4MM	MNZ-T1SS00002S
30	STRAIGHT COBB - 12MM	MNZ-T0SS00012S	36	PENFIELD PULL - 2MM	MNZ-T1SS00004S
31	STRAIGHT COBB - 20MM	MNZ-T0SS00020S	37	SUCTION TUBE	MNZ-P2SS00012S
32	LLIF CUP CURETTE	MNZ-C0SS10690S	38	TARGETING INSTRUMENT	MNZ-P0SS00000S

Instrumentation

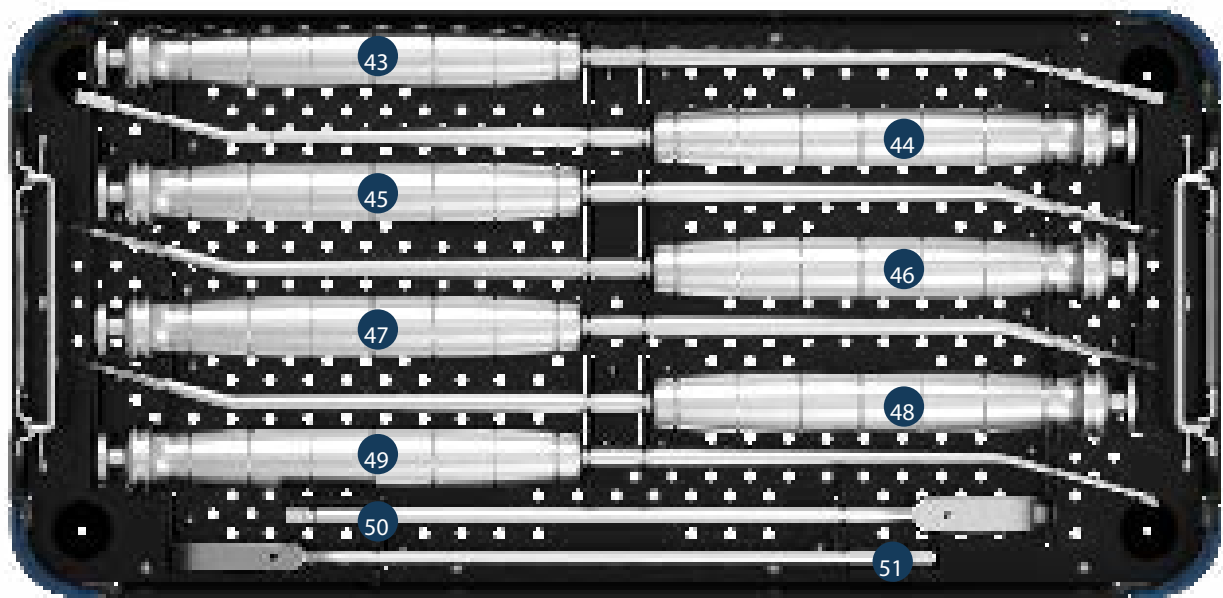
STRAIGHT ACCESS TRAY 2



39	STRAIGHT PITUITARY - 3X325MM	MNZ-S1SS00003S	41	STRAIGHT KERRISON - 3X325MM	MNZ-S0SS00003S
40	STRAIGHT PITUITARY - 5X325MM	MNZ-S1SS00005S	42	STRAIGHT KERRISON - 5X325MM	MNZ-S0SS00005S

Instrumentation

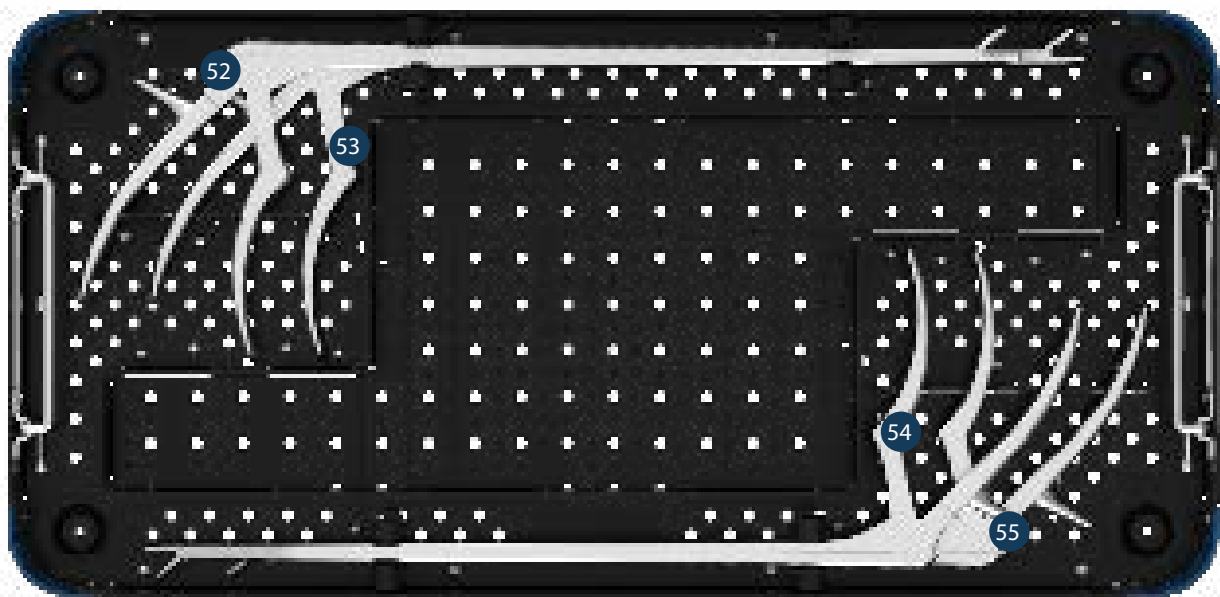
ANGLED ACCESS TRAY 1



43	LLIF ANGLED TEARDROP CURETTE	MNZ-C1SS10121S	48	ANGLED COBB - 20MM - RIGHT	MNZ-T0SS12020S
44	LLIF ANGLED SCRAPER	MNZ-D1SS10006S	49	LLIF ANGLED UP CUP CURETTE	MNZ-C1SS11690S
45	ANGLED COBB - 12MM - LEFT	MNZ-T0SS11012S	50	ANGLED STARTER - H16MM	MNZ-A1SS00116S
46	ANGLED COBB - 20MM - LEFT	MNZ-T0SS11020S	51	ANGLED STARTER - H13MM	MNZ-A1SS00113S
47	ANGLED COBB - 12MM - RIGHT	MNZ-T0SS12012S			

Instrumentation

ANGLED ACCESS TRAY 2



52	ANGLED PITUITARY - 3X325MM - LEFT	MNZ-S1SS11003S	54	ANGLED PITUITARY - 3X325MM - RIGHT	MNZ-S1SS12003S
53	ANGLED PITUITARY - 5X325MM - LEFT	MNZ-S1SS11005S	55	ANGLED PITUITARY - 5X325MM - RIGHT	MNZ-S1SS12005S

Instrumentation

CANNULATED SILICONE T HANDLE

MNZ-N1SS00000S



ANGLED STARTER - H13MM

MNZ-A1SS00113S



ANGLED STARTER - H16MM

MNZ-A1SS00116S



LLIF ANGLED UP CUP CURETTE

MNZ-C1SS11690S



ANGLED COBB - 20MM - RIGHT

MNZ-T0SS12020S



ANGLED COBB - 12MM - RIGHT

MNZ-T0SS12012S



ANGLED COBB - 20MM - LEFT

MNZ-T0SS11020S



ANGLED COBB - 12MM - LEFT

MNZ-T0SS11012S



LLIF ANGLED SCRAPER

MNZ-D1SS10006S



LLIF ANGLED TEARDROP CURETTE

MNZ-C1SS10121S



Instrumentation

LLIF 18-20MM HOLDER

MNZ-B0SS00002S



EXTRACTOR LLIF

MNZ-L1SS00000S



SHAVER LLIF H7

MNZ-O2SS00007S



SHAVER LLIF H8

MNZ-O2SS00008S



SHAVER LLIF H10

MNZ-O2SS00010S



SHAVER LLIF H12

MNZ-O2SS00012S



SHAVER LLIF H14

MNZ-O2SS00014S



SPREADER LLIF H7

MNZ-H1SS00007S



SPREADER LLIF H8

MNZ-H1SS00008S



SPREADER LLIF H10

MNZ-H1SS00010S



Instrumentation

SPREADER LLIF H12 MNZ-H1SS00012S



SPREADER LLIF H14 MNZ-H1SS00014S



LLIF SLIDE HAMMER MNZ-I1SS00000S



TRIAL LLIF LORDOTIC 18X55 - 10° - H07 MNZ-R1SS18107S



TRIAL LLIF LORDOTIC 18X55 - 10° - H08 MNZ-R1SS18108S



TRIAL LLIF LORDOTIC 18X55 - 10° - H10 MNZ-R1SS18110S



TRIAL LLIF LORDOTIC 18X55 - 10° - H12 MNZ-R1SS18112S



TRIAL LLIF LORDOTIC 18X55 - 10° - H14 MNZ-R1SS18114S



TRIAL LLIF 18X55 - H07 MNZ-R0SS18107S



TRIAL LLIF 18X55 - H08 MNZ-R0SS18108S



Instrumentation

TRIAL LLIF 18X55 - H10

MNZ-R0SS18110S



TRIAL LLIF 18X55 - H12

MNZ-R0SS18112S



TRIAL LLIF 18X55 - H14

MNZ-R0SS18114S



WRENCH Ø13 MM

MNZ-Q0SS00013S



LLIF CHISEL

MNZ-P0SS10004S



LLIF TEARDROP CURETTE

MNZ-C0SS10121S



LLIF STRAIGHT SCRAPER

MNZ-D0SS10006S



STRAIGHT COBB - 12MM

MNZ-T0SS00012S



STRAIGHT COBB - 20MM

MNZ-T0SS00020S



LLIF CUP CURETTE

MNZ-C0SS10690S



Instrumentation

SUCTION RETRACTOR

MNZ-P3SS00010S



LONG BAYONET SCALPEL

MNZ-B1SS00100S



PENFIELD PULL - 4MM

MNZ-T1SS00002S



PENFIELD PULL - 2MM

MNZ-T1SS00004S



SUCTION TUBE

MNZ-P2SS00012S



TARGETING INSTRUMENT

MNZ-P0SS00000S



STRAIGHT PITUITARY - 3X325MM

MNZ-S1SS00003S



STRAIGHT PITUITARY - 5X325MM

MNZ-S1SS00005S



STRAIGHT KERRISON - 3X325MM

MNZ-S0SS00003S



LLIF CUP CURETTE

MNZ-S0SS00005S



Instrumentation

ANGLED PITUITARY - 3X325MM - LEFT

MNZ-S1SS11003S



ANGLED PITUITARY - 5X325MM - LEFT

MNZ-S1SS11005S



ANGLED PITUITARY - 3X325MM - RIGHT

MNZ-S1SS12003S



ANGLED PITUITARY - 5X325MM - RIGHT

MNZ-S1SS12005S



LLIF Surgical Technique

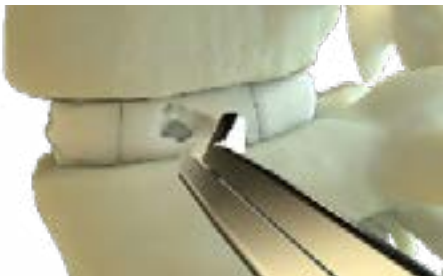
1 —



Disc space preparation

After identifying the implantation site, perform the resection of the targeted anatomical portion through a lateral approach.

Using the appropriate retraction system, gain access to the disc.



Once the disc is reached, perform the incision with a scalpel. Proceed with discectomy using pituitary rongeurs and/or Kerrison rongeurs.

Angled pituitary rongeurs are also available to facilitate disc preparation at L4–L5.



Create adequate space for cage insertion by distracting the endplates using smooth spreaders and sharp shavers, starting from the smallest height and increasing until the desired height is achieved.



Complete disc space preparation by thoroughly cleaning the endplates with Coobs, the spatula, and the rasp.

All these instruments may be connected to the slap hammer for removal.

2 —



Cage selection

Insert the trial cage into the disc space, starting from the smallest height and increasing until the desired height is achieved.

Trials are mounted on the holder by securing the assembly through clockwise rotation of the knob on the handle. Trials are available in both flat and lordotic configurations. Trials can be removed by connecting the slap hammer to the holder.

NOTE: Trials feature radiopaque markers to assist in selecting the correct length of the final implant. The most proximal marker corresponds to a length of 40 mm; markers are spaced 5 mm apart. The total trial length is 55 mm.

3 —



Cage Preparation

Mount the cages onto the holder by securing the assembly through clockwise rotation of the knob on the handle. Insert the bone graft into the internal cavity of the implant.

4 —



Cage Insertion

Insert the cages into the disc space until the desired depth is reached.

If the position is not satisfactory, the slap hammer may be connected directly to the holder to remove the cage.

Once the desired depth and position are achieved, unscrew the knob and remove the holder.

5 —

Cage removal

Thread the extractor into the central hole of the cage. Connect the distal end of the extractor to the slap hammer and proceed with cage removal.

LLIF CAGE	18X40	DA H7 A H14
	18X45	DA H7 A H14
	18X50	DA H7 A H14
	18X55	DA H7 A H14
LLIF CAGE LORDOTIC- 10°	18X40	DA H7 A H14
	18X45	DA H7 A H14
	18X50	DA H7 A H14
	18X55	DA H7 A H14



CLOVER NEXT®

Clover Orthopedics s.r.l.

M. info@cloverorthopedics.com

W. cloverorthopedics.com

T. +39 02 457 902 31

F. +39 02 457 902 66

CE
0426

ITALCERT
SISTEMA DI GESTIONE QUALITÀ
CERTIFICATO
UNI CEI EN ISO 13485:2016
EN ISO 13485:2016