



**MODEL : DZ CLASSIC
(PS / CR)**

PRIMARY TOTAL KNEE REPLACEMENT

**IMPLANTS
AND
INTUITION SURGICAL INSTRUMENT
CATALOGUE**



TITANIUM ITALICA

MAKING LIVES SMILE



**MODEL : DZ TITANIUM GOLD
(PS / CR)**

CUSTOMER CONTACT AT :

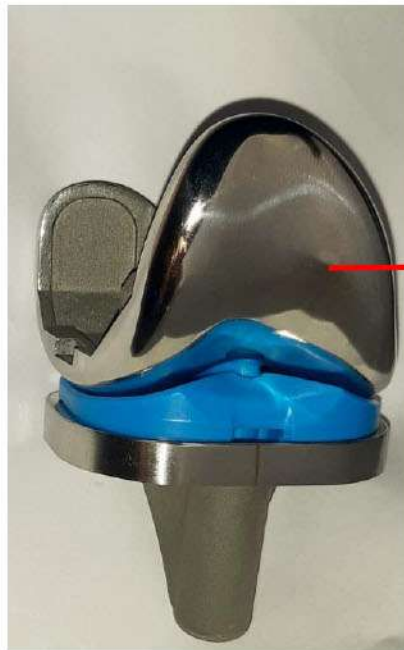
TITANIUMITALICA@GMAIL.COM

 **+91 9350316449**

FEMUR IMPLANT

SEVEN SIZES :
A TO G
RIGHT AND LEFT EACH

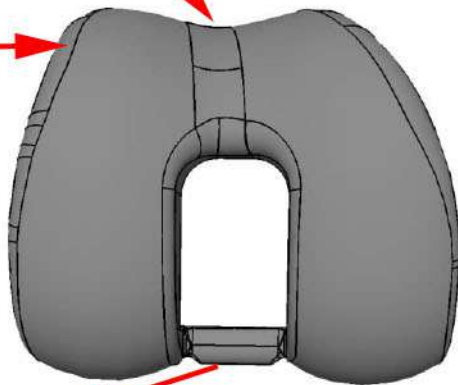
(SIZE A AND SIZE G OPTIONAL)



MIRROR POLISHED
SURFACE

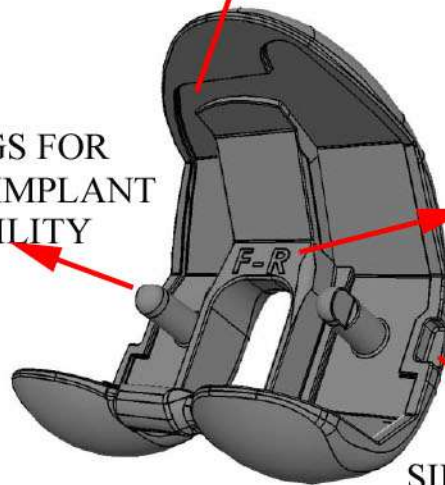
ROUGH GRIT BLASTED
SURFACE WITH DEEP
CEMENT POCKETS FOR
BETTER FIXATION

TO ENHANCE PATELLAR DYNAMICS
IN FLEXION
SMART OUTER TRAJECTORY
AND ANATOMIC PATELLAR GROOVE



LUGS FOR
ADDED IMPLANT
STABILITY

SIZE / SIDE
MARKINGS



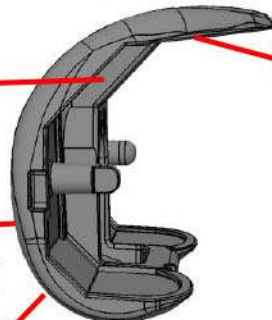
SIDE NOTCH
FOR
EASY EXTRACTION

SMART CAM MECHANISM PROVIDES
CONTACT TO POST OF LINER FOR PROGRESSIVE
FEMORAL ROLLBACK AND ENHANCES FLEXION

CHAMFERED CUT DESIGN

UNIQUE 4⁰ ANTERIOR
FLANGE DESIGN OF IMPLANT
PREVENTS NOTCHING OF THE
ANTERIOR CORTEX OF FEMUR

REDUCED AND CONTINUOUS
CURVATURE TO INCREASE FLEXION



THIN AND BONE CONSERVING DESIGN ,
HELPS TO SAVE THE NATURAL BONE

MATERIAL OPTIONS :

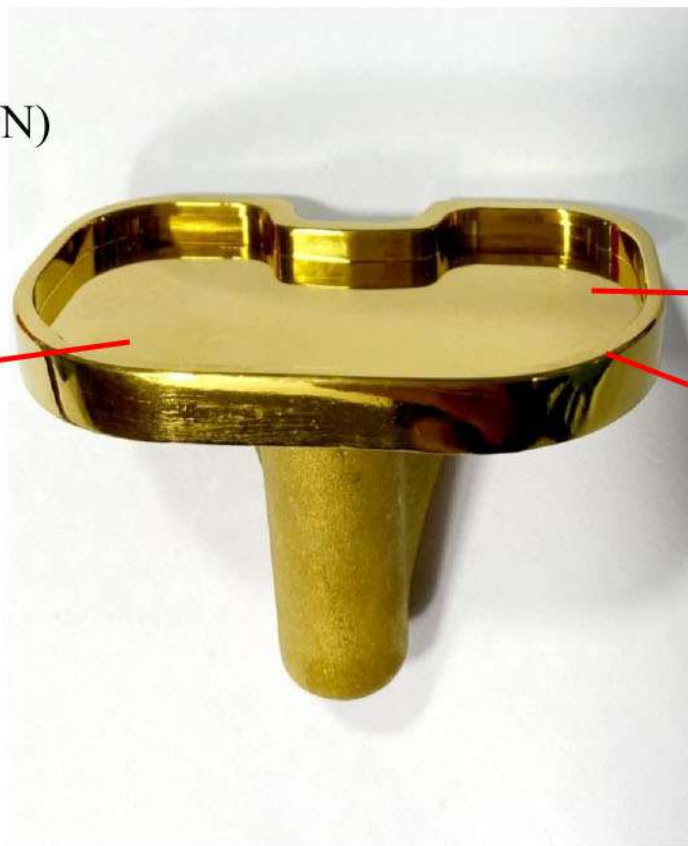
1. CoCr ALLOY (DZ BASIC)
2. TITANIUM NITRIDE COATED
(TITANIUM GOLD)

TIBIAL IMPLANT

SIX SIZES

(PS / CR COMMON)

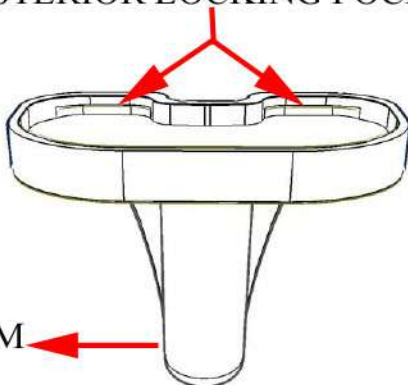
SMOOTH SURFACE
TO AVOID
BACKSIDE WEAR



TITANIUM NITRIDE
COATINGS
(IN DZ GOLD MODEL)

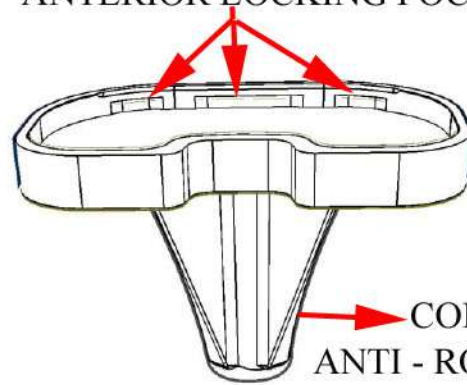
ROUNDED CORNERS
TO AVOID IMPINGEMENT

POSTERIOR LOCKING POCKETS



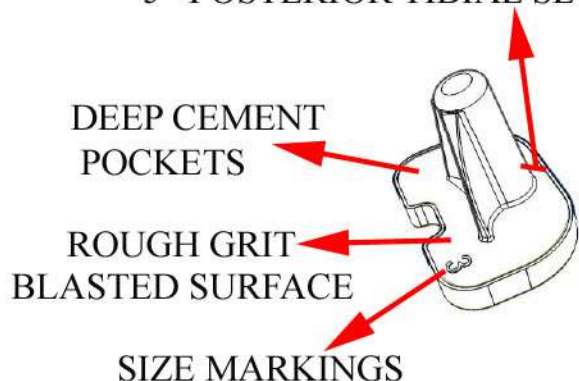
DIA. 14.7 MM

ANTERIOR LOCKING POCKETS

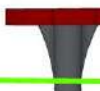


COMMON
ANTI - ROTATION FINS
FOR EASY INSTRUMENTATION

5° POSTERIOR TIBIAL SLOPE



VARIABLE KEEL LENGTHS

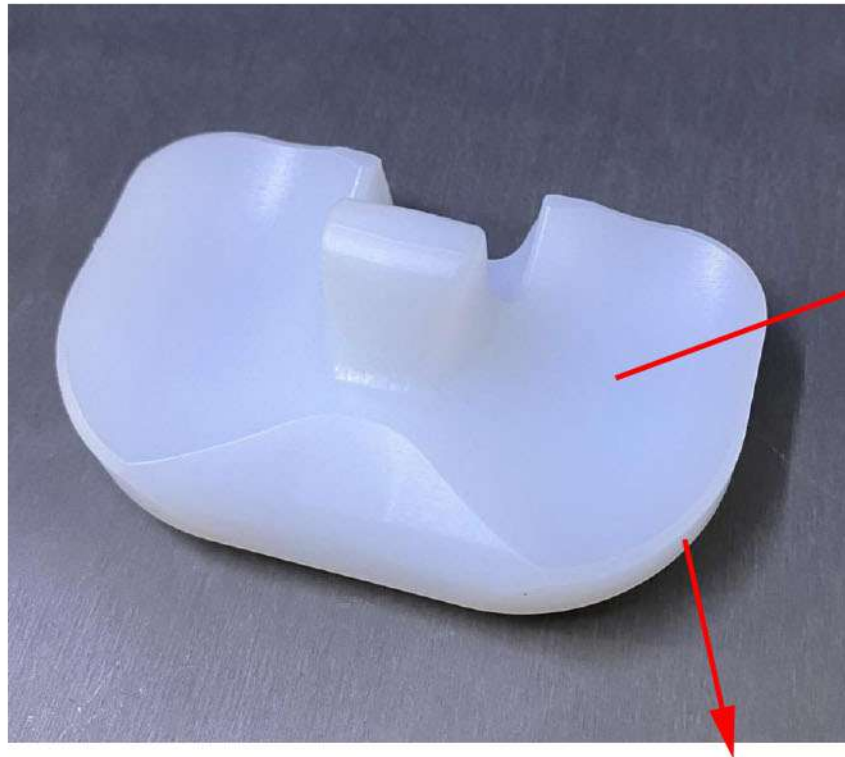
			
SIZE	1,2	3,4	5,6
KEEL LENGTH	35MM	40MM	45MM

MATERIAL OPTIONS :

1. CoCr ALLOY (DZ CLASSIC)
2. TITANIUM NITRIDE COATED (TITANIUM GOLD)

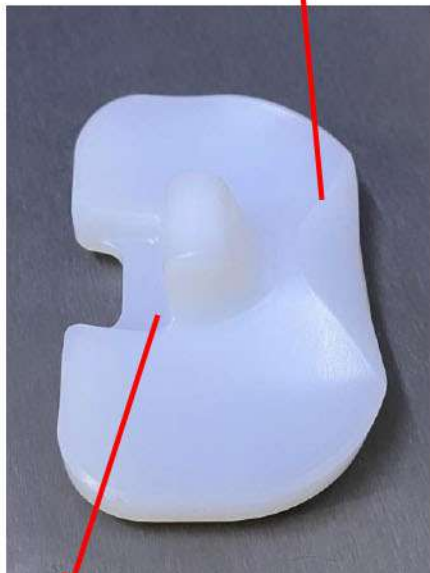
PS LINER

MODULAR
FIVE TYPE
LINERS



SMOOTH
SURFACE ,
CONGRUENT
INSERT
BEARING

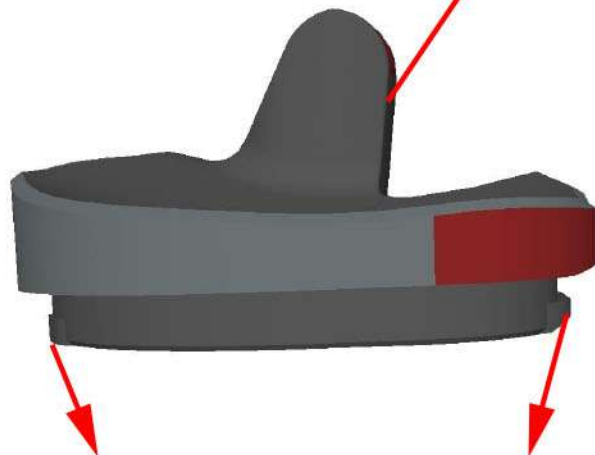
ANTERIOR CHAMFER
PREVENT PATELLAR TENDON
IMPINGEMENT



SMART POST GEOMETRY
FOR ENGAGEMENT WITH
FEMUR CAM TO ENHANCE
DEEP FLEXION

IMPINGEMENT FREE
ALL AROUND CHAMFER

15° POSTERIOR SLOPE OF
POST TO PREVENT DISENGAGEMENT
FROM FEMUR CAM



ANTERIOR

POSTERIOR

SNAP FIT LOCKING RIBS

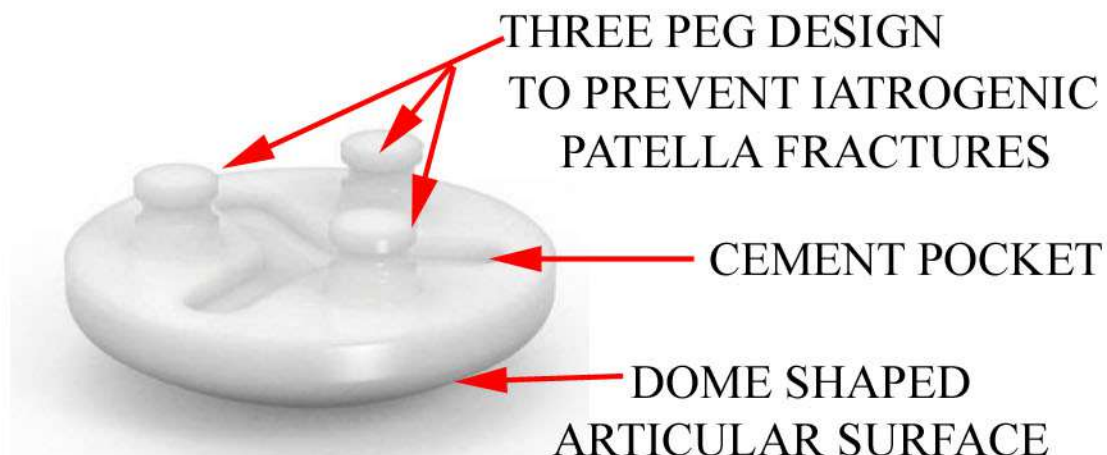
MATERIAL OPTIONS:

- 1.MEDICAL GRADE UHMWPE (GERMANY)
- 2.VITAMIN E ADDED UHMWPE
3. XLPE

PATELLA IMPLANT

THREE SIZES

SMALL (27MM)
MEDIUM (31MM)
LARGE (35MM)



MATRIX		FEMUR IMPLANT					
		A	B	C	D	E	F
TIBIAL IMPLANT	1 2		✓		✓		
	3 4				✓		✓
	5 6						✓

MODULAR FIVE LINERS

AB - 1,2
CD - 1,2
CD - 3,4
EF - 3,4
EF - 5,6

THICKNESS - 10 ,12 ,14 AND 16 MM EACH

ASSEMBLY OF IMPLANTS



SMOOTH FEMORAL ROLLBACK DESIGN
TO OPTIMIZE DEEP FLEXION
WITHOUT SACRIFICING STABILITY UPTO 155 DEGREEE

DISTAL FEMUR CUT

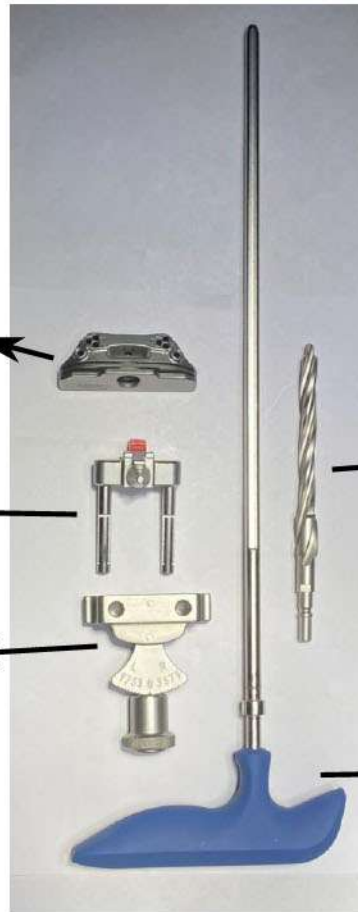
DISTAL FEMUR
CUTTING BLOCK

CONNECTING
BLOCK CLIP

VALGUS GUIDE
ANGLE

DISTAL FEMUR
STEP REAMER

ASSEMBLY IM ROD



X (DIVERGENT PIN HOLE)

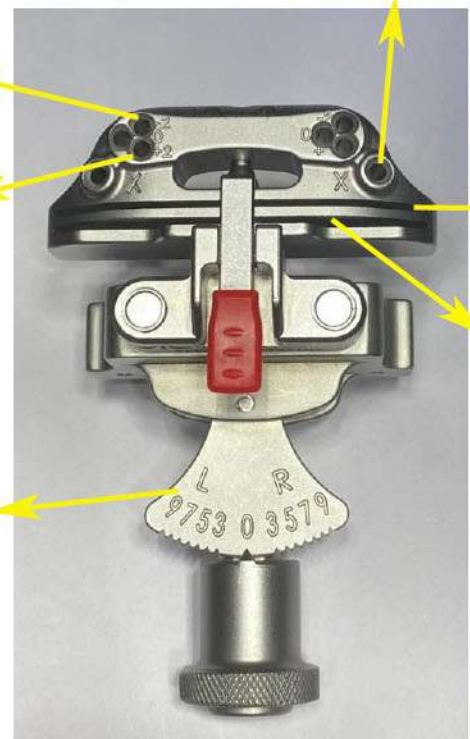


- 2 MM

+ 2 MM
CUT

RIGHT /
LEFT
VALGUS
ANGLES

FIXATION PIN HOLES



+3 MM
CUT

SLOT
FOR
9 MM
THICK
DISTAL
FEMUR
CUT

ASSEMBLY



SLOT FOR
ALIGNMENT HANDLE
AND
CONNECTING BLOCK
CLIP



RIGHT FITMENT METHOD
FOR ALIGNMENT HANDLE



WRONG (FITMENT)



ALIGNMENT ROD DIRECTED
TOWARDS HEAD OF FEMUR

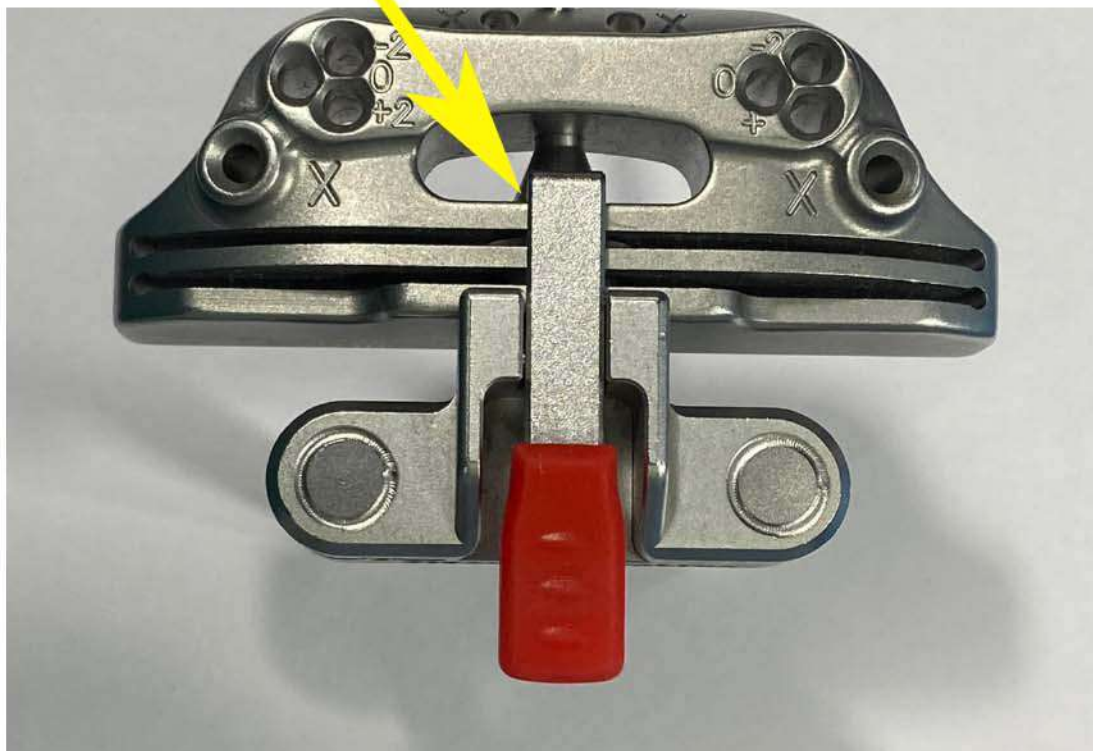
ASSEMBLY

1. DISTAL FEMUR CUTTING BLOCK
2. ALIGNMENT HANDLE AND ROD

WRONG CLIPPING



RIGHT METHOD OF CLIPPING
(HOOK ENGAGED IN LARGE SLOT)



PROXIMAL TIBIA CUT

ANKLE CLAMP

VARUS/VALGUS
ADJUSTMENT
ROTATING KNOB

ANTERO /
POSTERIOR
SLOPE
RATCHET

THROUGH SLOT

ZERO DEGREE
RIGHT / LEFT
PROXIMAL TIBIA
CUTTING
BLOCKS

TIBIAL DEPTH
CUT STYLUS

SHORT ARM - 9 MM DEEP
CUT FROM THE
HEALTHY SIDE

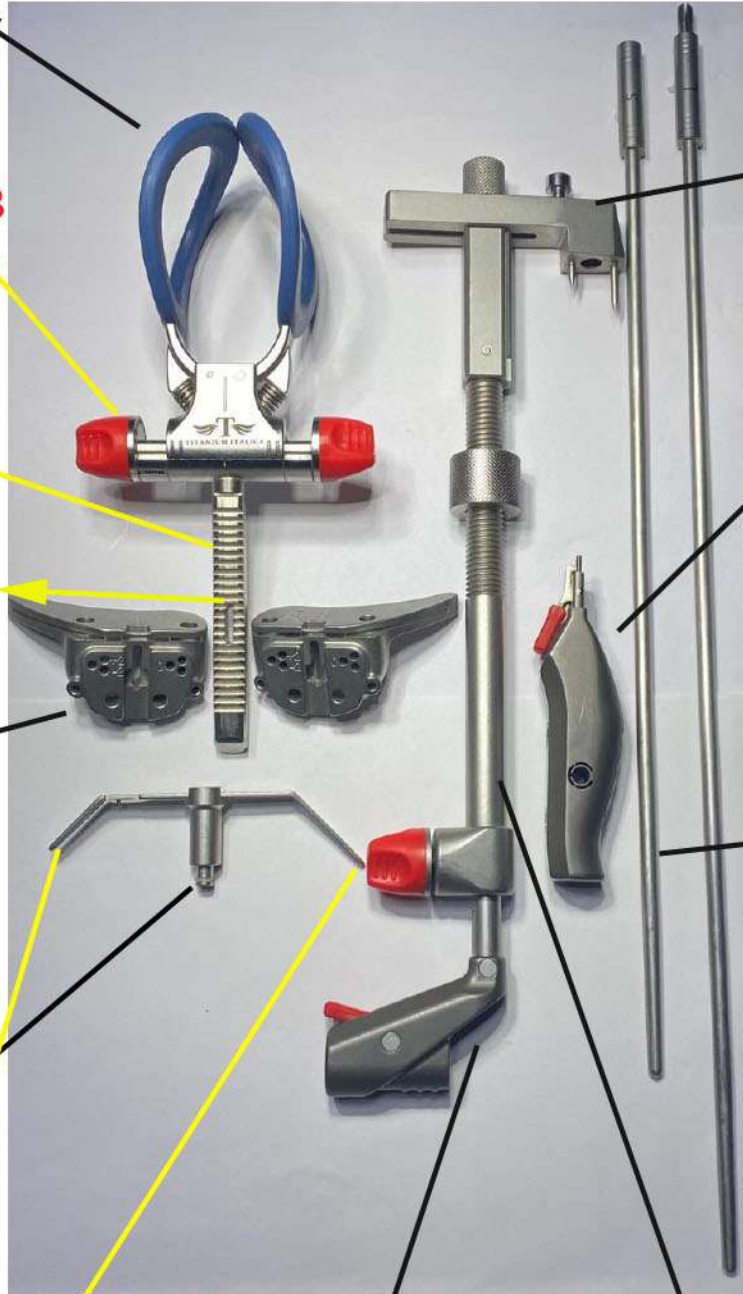
LONG ARM - 2 MM
DEEP CUT FROM THE
MOST AFFECTED
CARTILAGENOUS AREA

PROXIMAL SPIKE
ARM

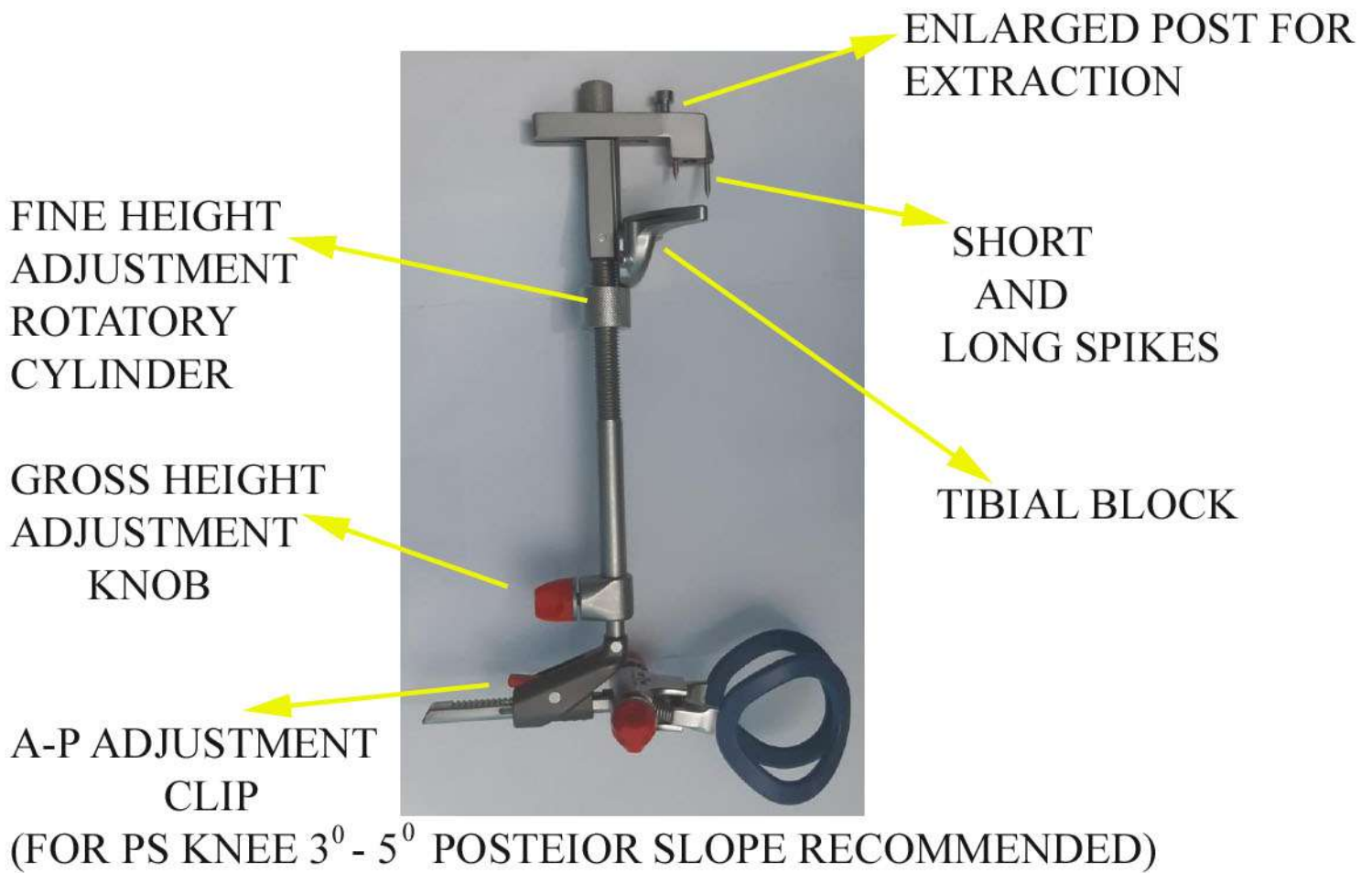
ALIGNMENT
HANDLE

ALIGNMENT
RODS
(SMALL/LARGE)

DISTAL AND PROXIMAL
EXTRAMEDULLARY TIBIAL
UPRODS



ASSEMBLY



STYLUS ,ALIGNMENT HANDLE
AND
CUTTING BLOCKS (ASSEMBLY)



SAGITTAL AND
CORONAL PLANE
ASSEMBLY(WITH RODS)

FEMORAL SIZER

STYLUS
CYLINDER

STYLUS

ROTATION
PIN HOLES

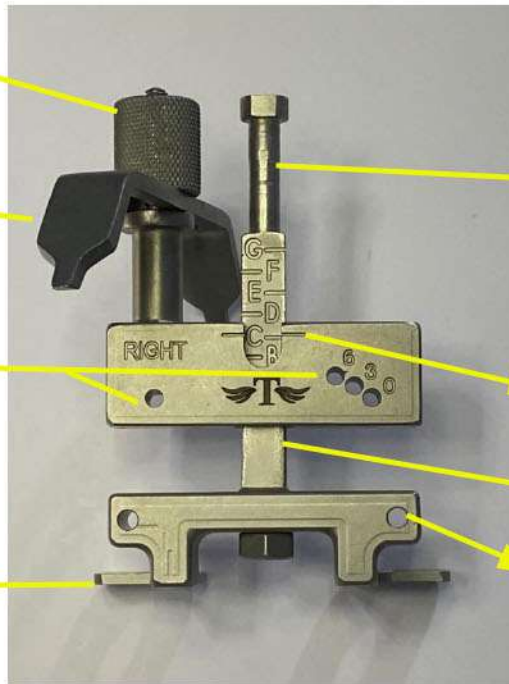
BASE

ROTATORY POST
(TO CONVERT RIGHT
OR LEFT SIZER BLOCK

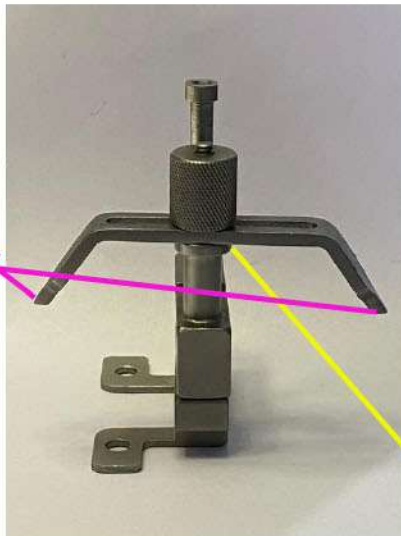
CALIBRATION POINT

SIZER SCALE

PIN HOLE FOR BASE
STABILIZATION



STYLUS HEIGHT
SAME AT BOTH
ENDS

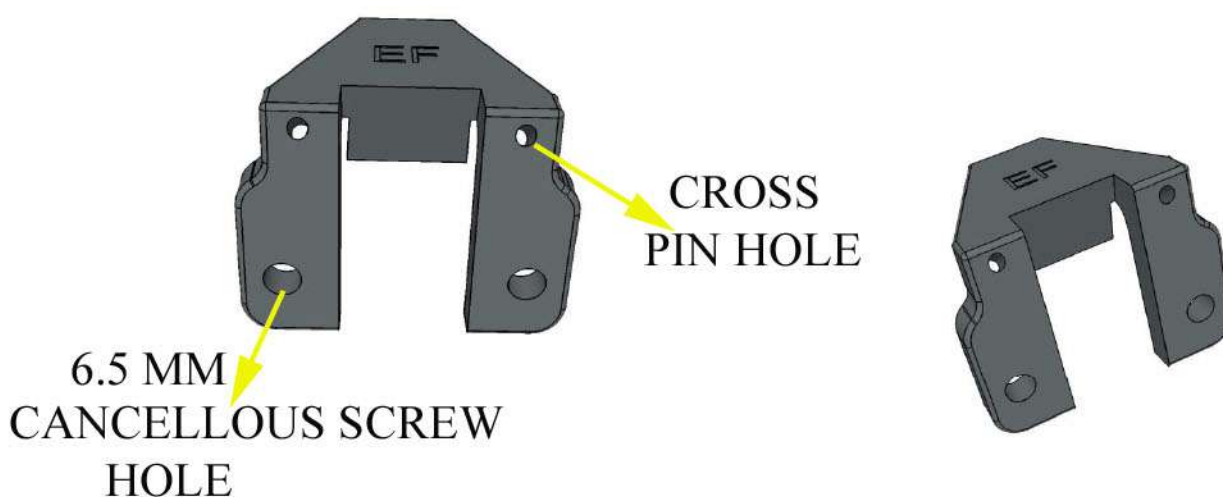
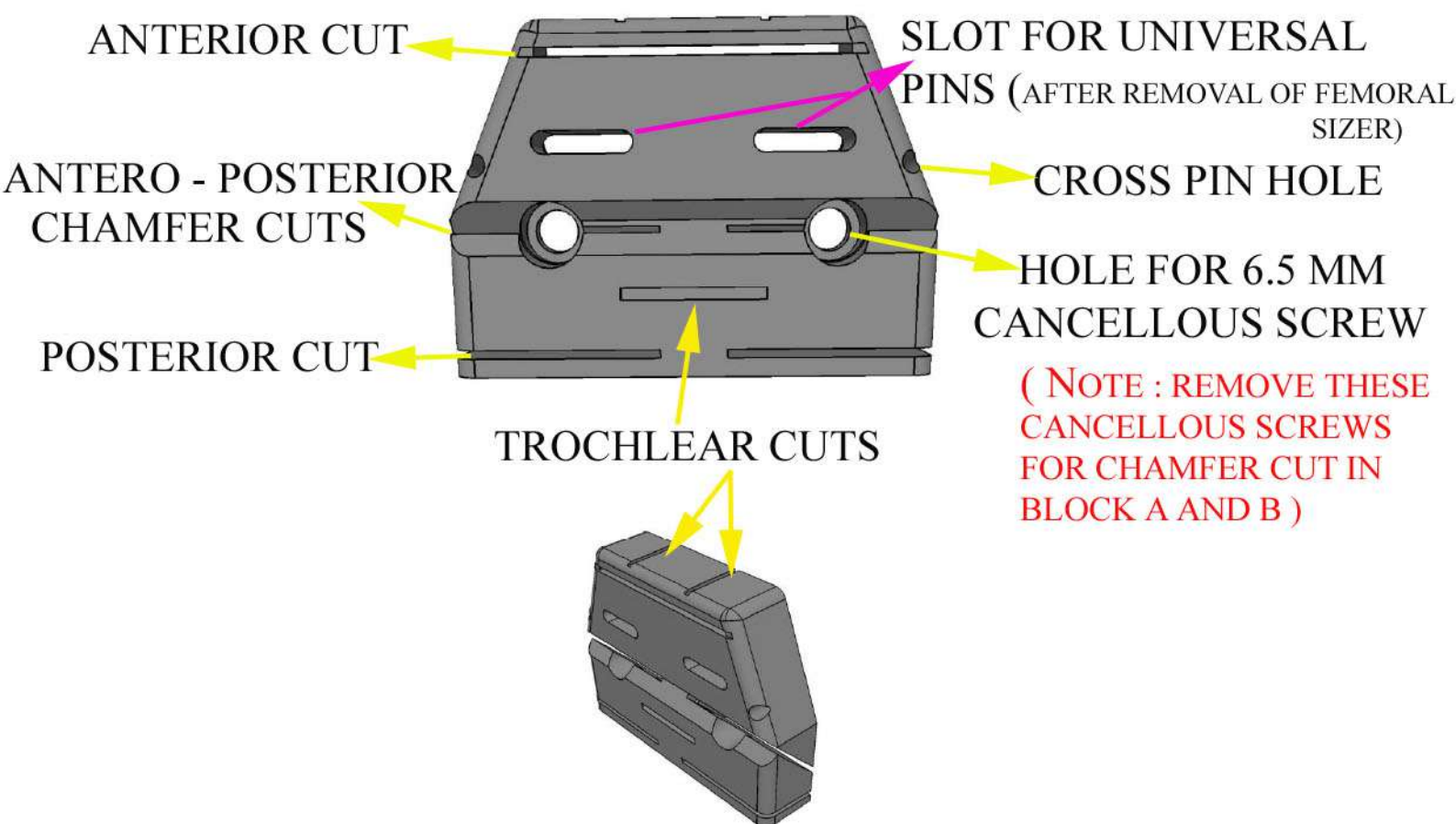


PROPER SITTING / WRONGLY SEATED
STYLUS



ROTATION EXAMPLE
(PATENTED FEATURE)

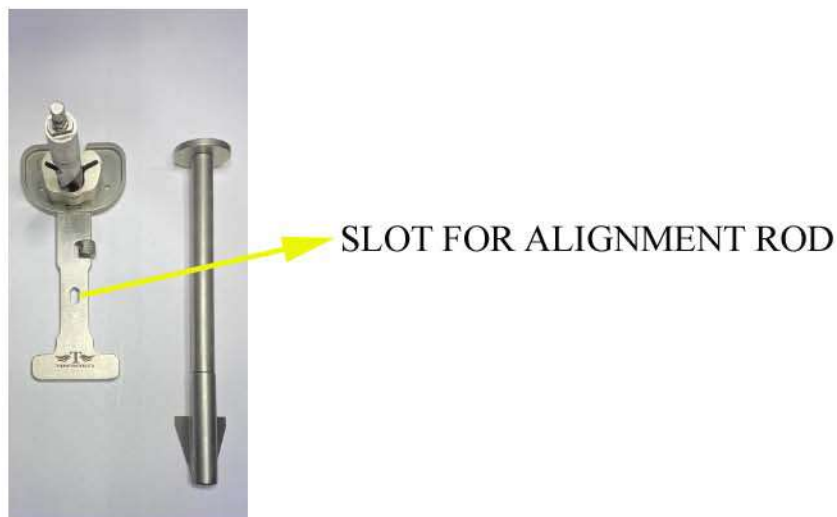
5- IN - 1 CUTTING BLOCK



NOTCH CUTTING GUIDE

(THREE SIZES : AB , CD AND EF)

PROXIMAL TIBIA PREPARATION



ASSEMBLY

ALIGNMENT
RODS

HOLES FOR
ALIGNMENT
ROD

SPACER 10 AND 12 MM
ENDS

+4 MM SHIM

10 +4 MM SHIM = 14MM
SPACER

12+4 MM SHIM = 16 MM
SPACER

PIN PULLER

FEMORAL TRIAL EXTRACTOR

RASP

ANGLE
WING

PIN
HOLDER

UNIVERSAL
PIN

HEADED
PIN

QUICK
COUPLER

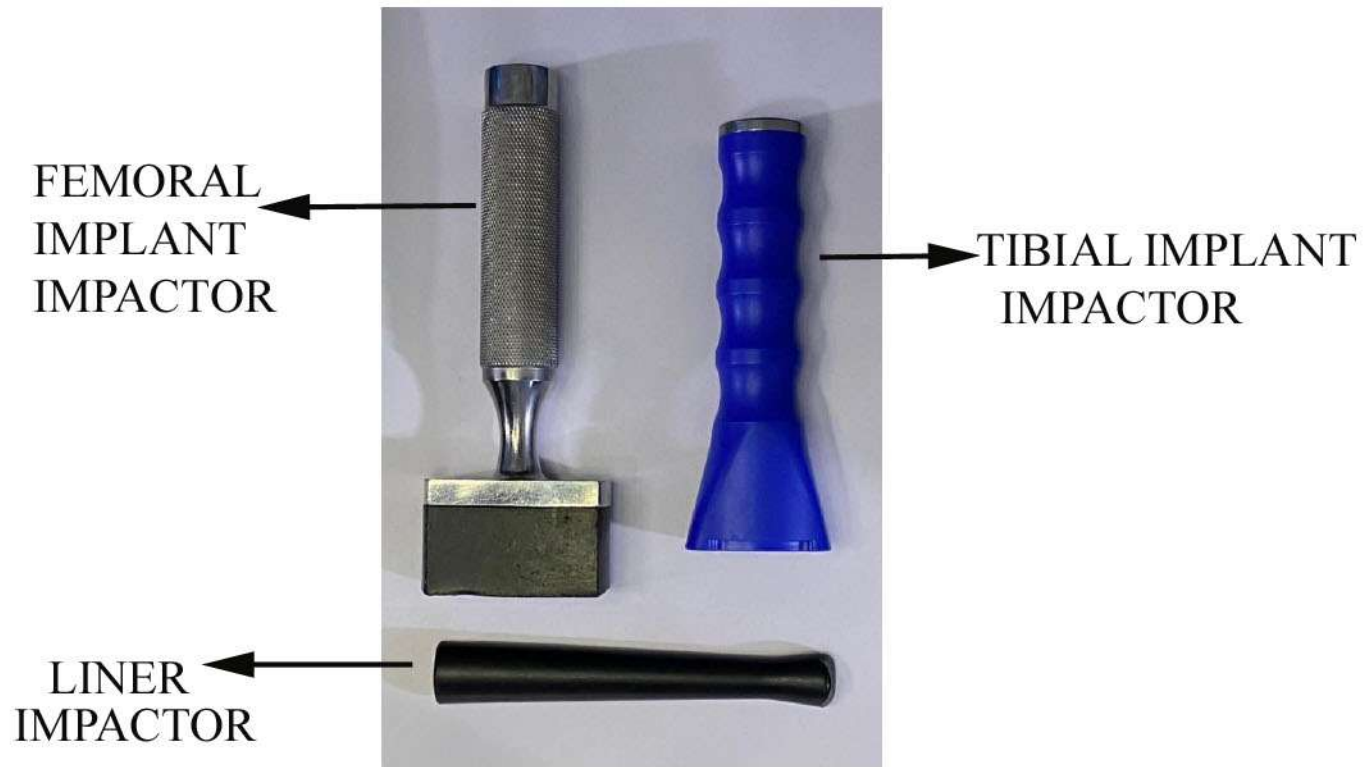
BONE THICKNESS
MEASUREMENT
CALIPER

6.5 MM CANCELLOUS
SCREW

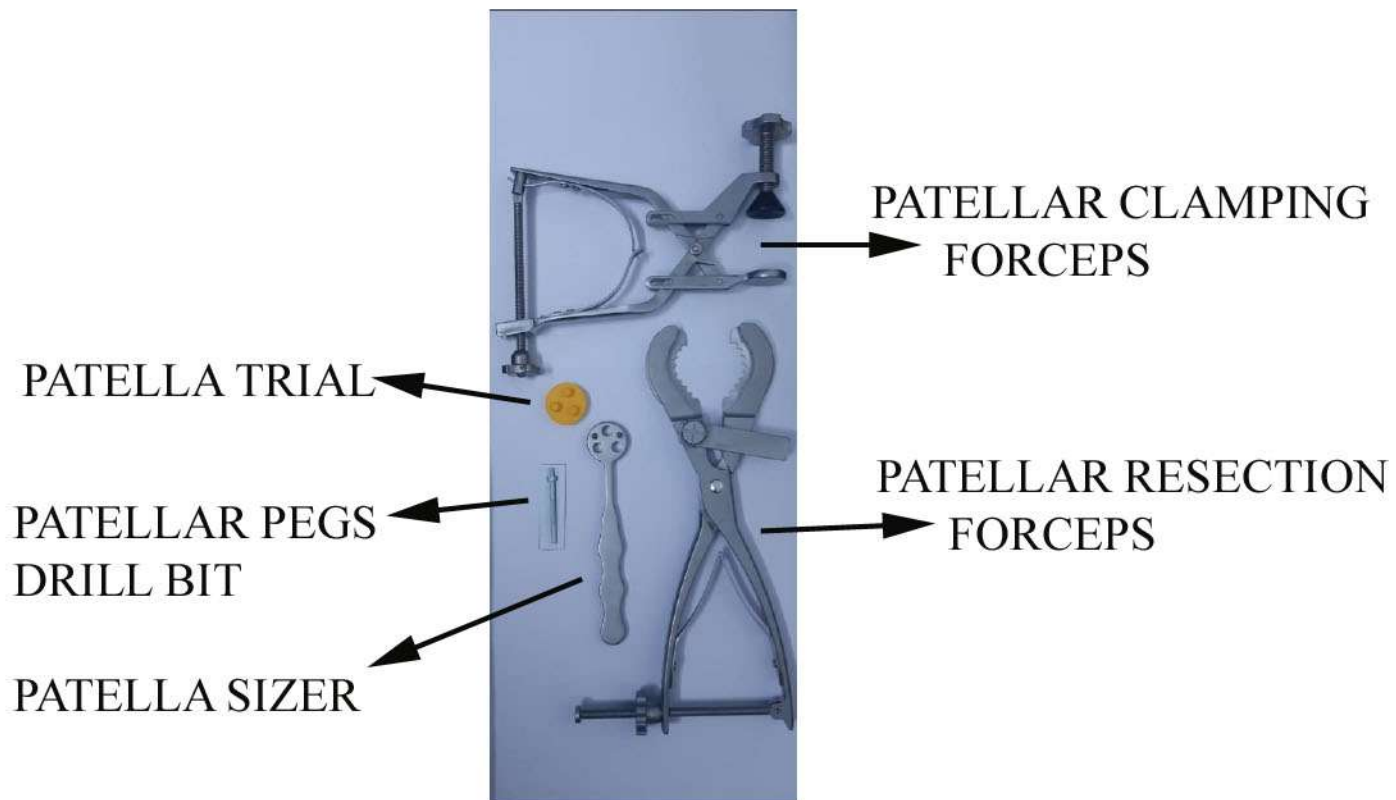
TIBIAL
BROACH

SLIDING HAMMER

IMPACTORS



PATELLA INSTRUMENTS



(PATELLA SIZER / PATELLAR TRIALS
SMALL - 27 MM / MEDIUM - 31 MM / LARGE - 35 MM)