

Product overview / Packing and unpacking



RAY Knee Holder System case



Upper packaging inlay



Lower packaging inlay



RAY Knee Holder System components

RAY Knee Holder System consists of:

- 1. RAY Knee Holder System case
- 2. Base plate
- 3. Supporting column
- 4. Guiding rail
- 5. Reference foot left
- 6. Hex wrench

Assembling



Insert the supporting column into the designated holes of the base plate



Tighten the mounting screw with the hex wrench



Insert the guiding rail into the designated holes of the supporting column



To lock the guiding rail tighten the red locking lever

Basic setup / Attaching knee model to the holder



Place the bone model with notch into the first notch holder



Make sure the cutout of the notch fits to the pin of the notch holder



Press and hold the button and insert the locking bolt into the hole of the notch holder...



...until stop



Repeat the same procedure for the second notch holder



Basic setup / Adjustment of the leg axis



Position the leg in extension



To align the leg axis, open the red locking lever and move the bracket holder into the desired position...



...and tighten the black locking screw

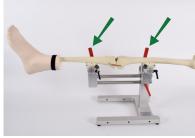


Tighten the black locking lever on the supporting column



Tighten the black locking lever on the guiding rail

Setting up flexion and extension



Loosen the two upper red locking levers



Loosen the lower red locking lever



Position the leg in the required flexion



Tighten all the red levers



To set the leg in extension loosen all the red levers and pull on the guiding rail for the required extension

Tips & Tricks: Setup for assessing the flexion and extension gap, rom (range of motion) etc.



Remove the looking bolt of the notch holder on the guiding rail



Detach the bone model from the notch holder on the guiding rail



The knee is ready to perform the desired verifications



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Tips & Tricks: Adjusting the clamping force



If the red locking lever is too loose, turn the silver ring clockwise and lock the lever



If the red locking lever is too tight, turn the silver ring counter-clockwise and lock the lever

Tips & Tricks: Inserting and removing the locking bolt



The locking bolt has a security mechanism on the tip which can be released by pushing the button



Press the button to release the security mechanism when inserting and removing the locking bolt

Possible table mountings



0027.19 RAY Knee holder C-clamp Optional accessory for a secure table mounting





Version 2



Version 3





RAY Knee Holder System can also be 0027.30 RAY Knee Holder Adapter Set used for HTO training



for HTO training



RAY Knee Holder System can also be used for DFO training



0027.35 RAY Knee Holder Adapter Set for DFO training



0027.25 RAY Knee Holder Extension Adapter Set to increase the working height by 40 mm

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Intended use

The **RAY Knee Holder System** is specially designed for Total Knee Arthroplasty workshops and trainings. This system holds various **SYNBONE**[®] knee and single bone models with notches in a surgical position and can be used for surgical education. The **RAY Knee Holder System** is not intended to be used in the operation room.

SYNBONE[®] guarantees best results with the RAY Knee Holder system only by using the SYNBONE[®] knee models with notch and the SYNBONE[®] single bone models with notch. The notch holders prevent the bones from slipping or moving while surgeons practice various procedures for the total knee replacement. Find out more about SYNBONE[®] s complete product portfolio for Total Knee Arthroplasty trainings on www.synbone.com.

Cleaning and storageAccessoriesClean the RAY Knee Holder System with a damp cloth after each use.
No lubrication is necessary.0027.12RAY Notch Holder and bolt 3rd generation as couple
0027.17To guarantee a long life of the RAY Knee Holder System we recommend a
storage in the RAY Knee Holder case.0027.20RAY Knee holder C-clamp (Optional accessory for a secure table mounting)
0027.200027.25RAY Knee holder reference foot left
0027.300027.30RAY Knee holder extension adapter set (Option to increase height of the supporting column by 40 mm)
0027.300027.35RAY Knee holder adapter set for DFO (Option for Distal Femur Osteotomy Training)
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0027.91 Optional Trolley wheels to RAY Knee Holder Case

Contact us

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