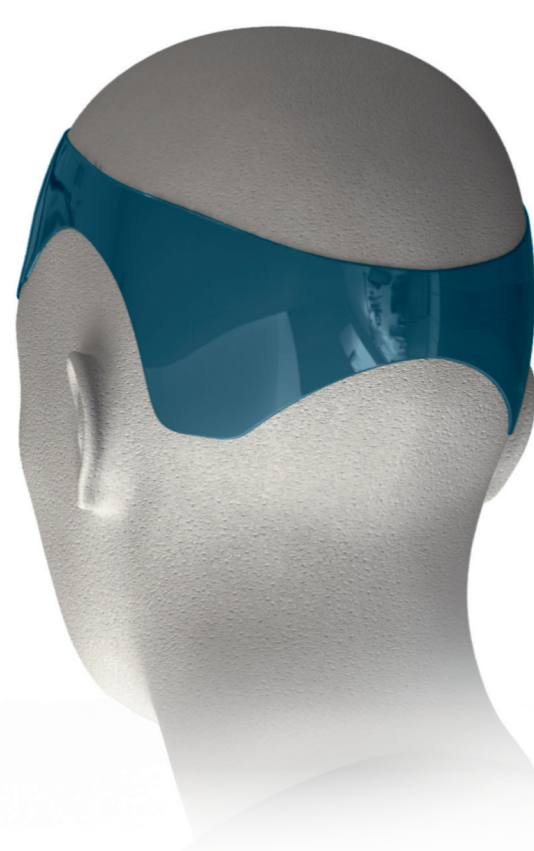
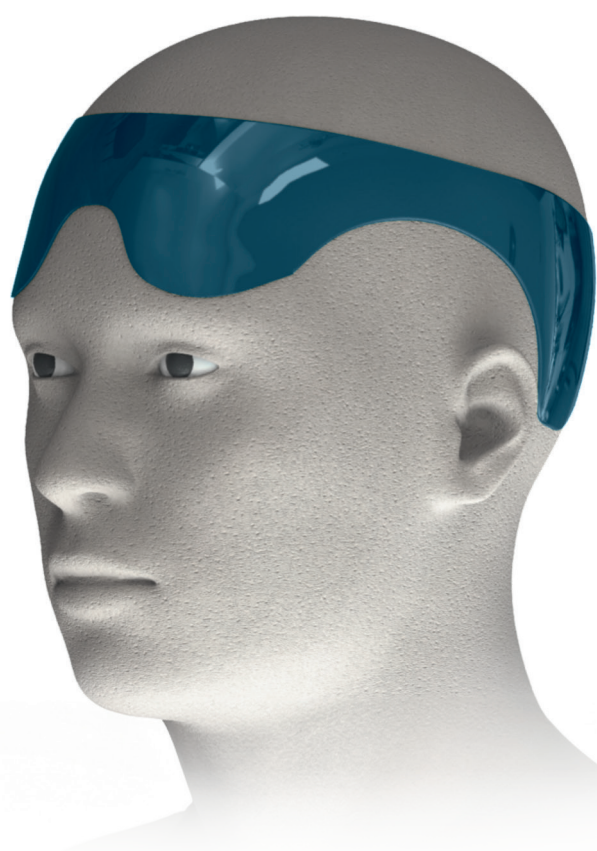


DORO[®]

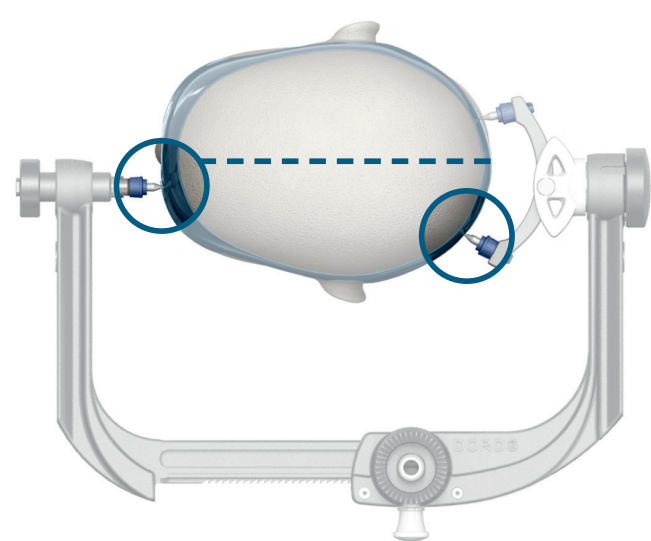
IMPROVED CRANIAL STABILIZATION



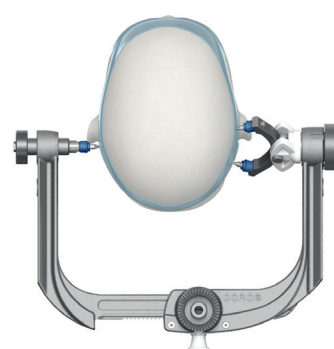
SAFE PINNING ZONE¹

Staying within the indicated safe pinning zone is essential.

PIN- AND SKULL-CLAMP-POSITIONING



Position **two pins** below the equator.



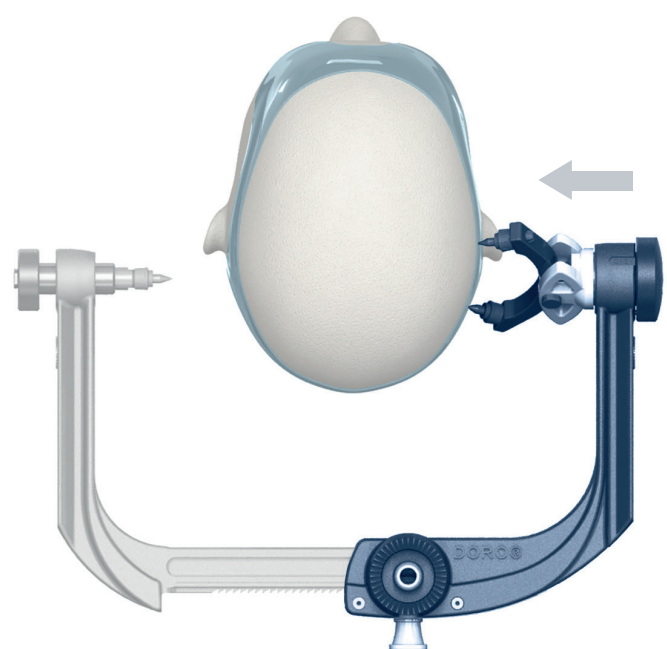
If possible, arrange the skull clamp **horizontal** to the ground.



Lower the side with the two-pin-holder when **turning** the skull clamp.

RECOMMENDED APPLICATION PINNING STEPS

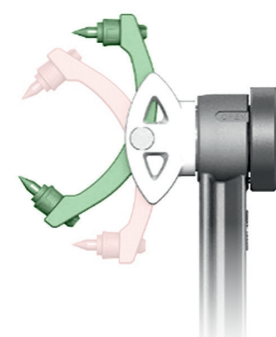
1



Position the two-pin-holder **first**.

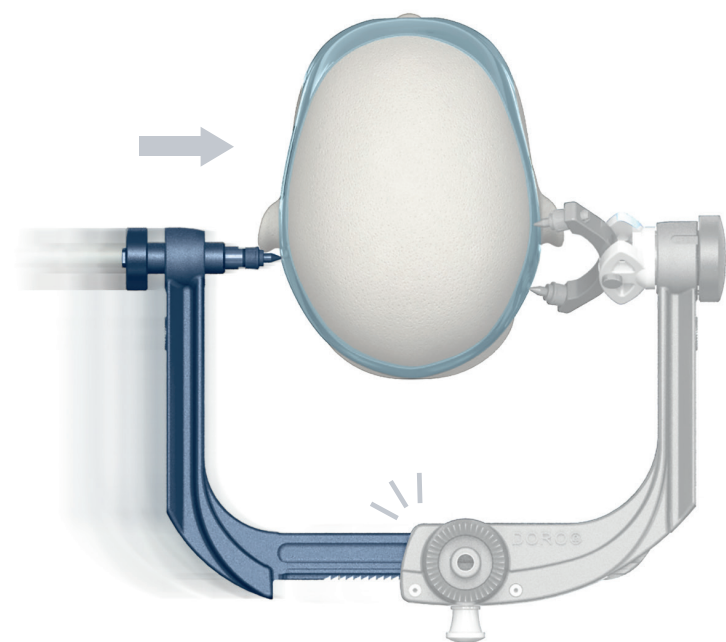


Arrange the two-pin-holder **as horizontal** as possible.



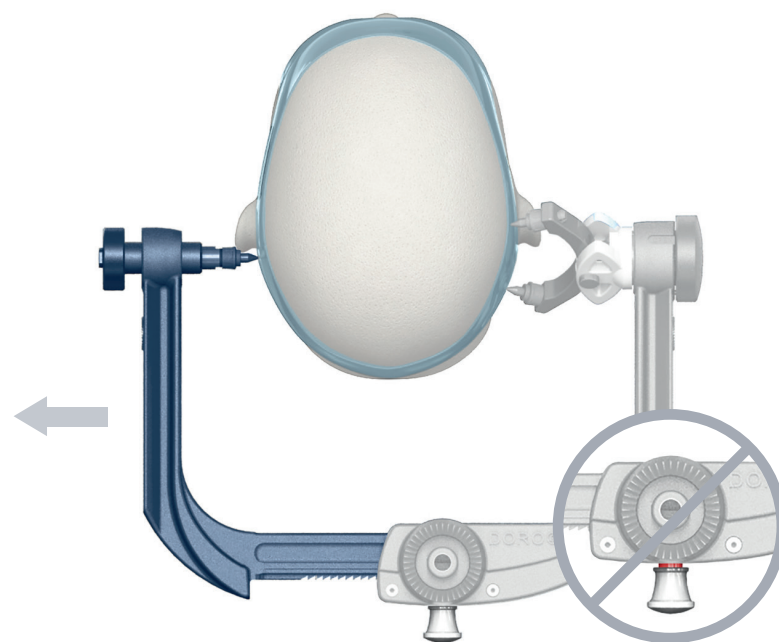
If **vertically aligned**, arrange the two-pin-holder directed upwards.

2



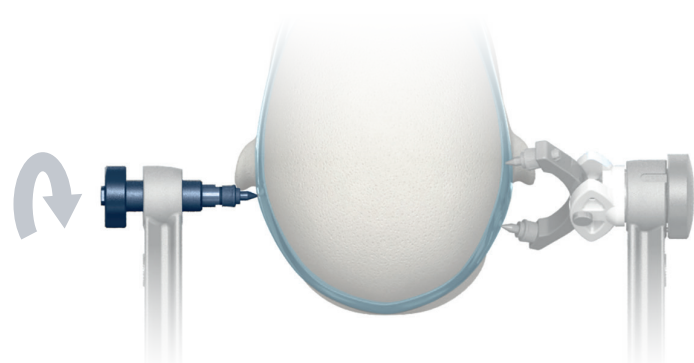
Place the contralateral single pin and push with **small force** (e.g. up to 90N | 20 lbs).

3



Pull with small force in the **opposite direction** to make sure that the release knob is secured.

4



Increase the pin force by means of the **torque screw**.

¹Pinning Zone: Neurosurgery, Inselspital Bern. Based on Raabe A., Meyer B., Schaller K., Vajkoczy P., Winkler PA. The Craniotomy Atlas. Stuttgart: Thieme. 2019. doi: <https://doi.org/10.1055/b-006-164730>