

# LONESTAR™

## INSTALLATION OVERVIEW



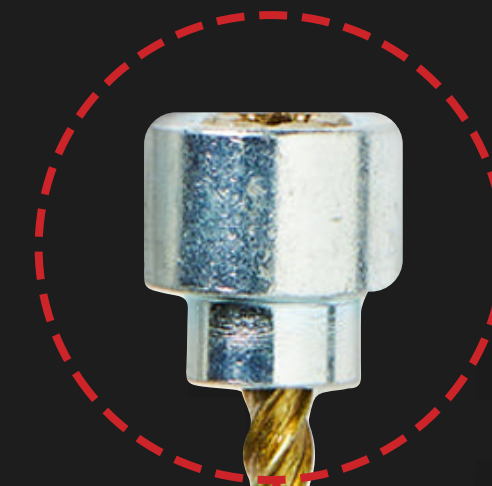
INSPECT ALL HOLDS FOR  
CRACKS AND OR ANY  
STRUCTURAL DEFECTS  
PRIOR TO INSTALLATION



  
**NEVER  
OVER-TIGHTEN**

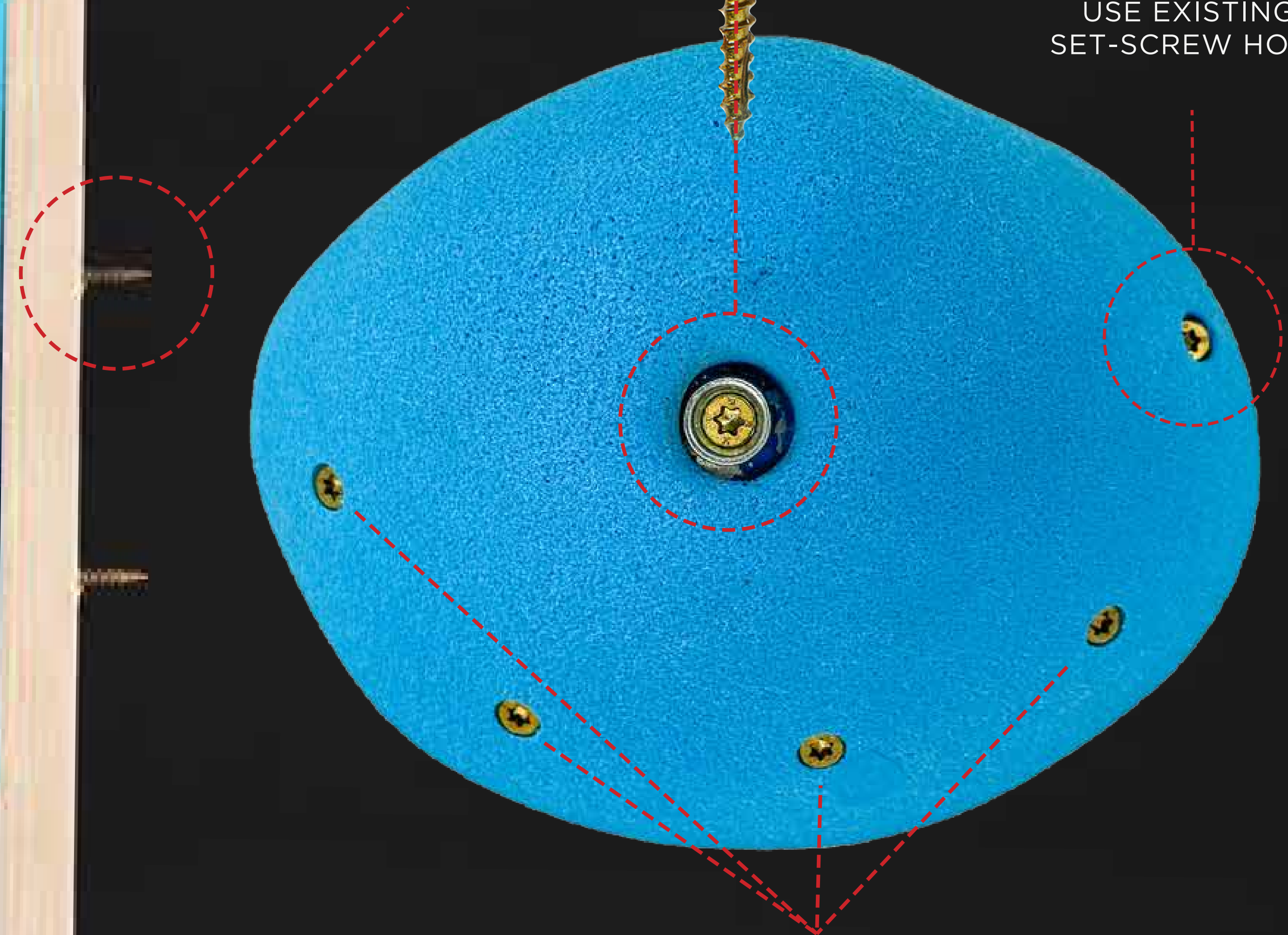


ENSURE THREADED PART  
OF THE SCREW IS FULLY  
IN THE PLYWOOD  
(MIN. 3/4" PLYWOOD)



USE THE LONESTAR™  
IN BOLT HOLE WITH  
STRUCTURAL SCREW

USE EXISTING  
SET-SCREW HOLE



ADD ADDITIONAL SET-SCREW  
HOLES FOR ADDED STRENGTH



## **NON-STRUCTURAL SCREWS**

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NOT RECOMMENDED FOR  
CLIMBING WALLS OR HOLDS



## **STRUCTURAL SCREWS**

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USE #9 OR #10 SCREWS FOR  
INSTALLATION OF OUR PRODUCTS



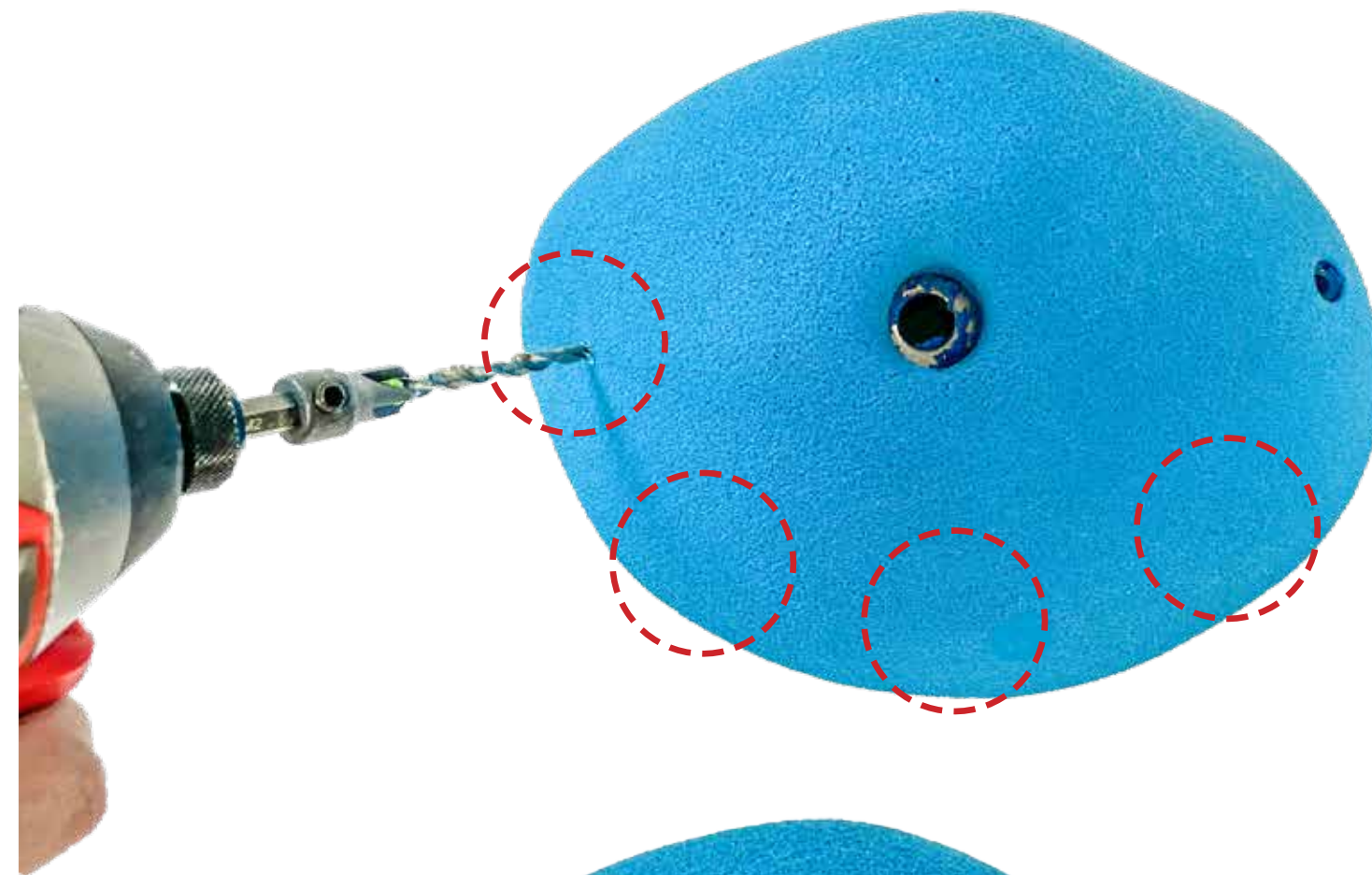
# STEP BY STEP INSTALLATION



1

## STEP 1

SELECT HOLDS WITH A SOLID PLASTIC BACKING OR HOLDS SPECIFICALLY DESIGNED TO CONVERT TO SCREW-ON HOLDS



2

## STEP 2

DETERMINE THE NUMBER OF EXTRA SCREW ATTACHMENT POINTS NEEDED AND PRE-DRILL WITH THE ESCAPE COUNTERSINK DRILL BIT



**NEVER DRIVE THE STRUCTURAL SCREW THROUGH YOUR CLIMBING HOLD WITHOUT PRE-DRILLING! THIS MAY CAUSE THE CLIMBING HOLD TO CRACK AND/OR BREAK!**



## NOTE!

ENSURE ADEQUATE MATERIAL BETWEEN SCREW HEAD AND THE BASE OF THE CLIMBING HOLD



3

## STEP 3

INSTALL USING STRUCTURAL SCREWS THAT FULLY THREAD THROUGH THE CLIMBING WALL OR WOODEN CLIMBING VOLUME

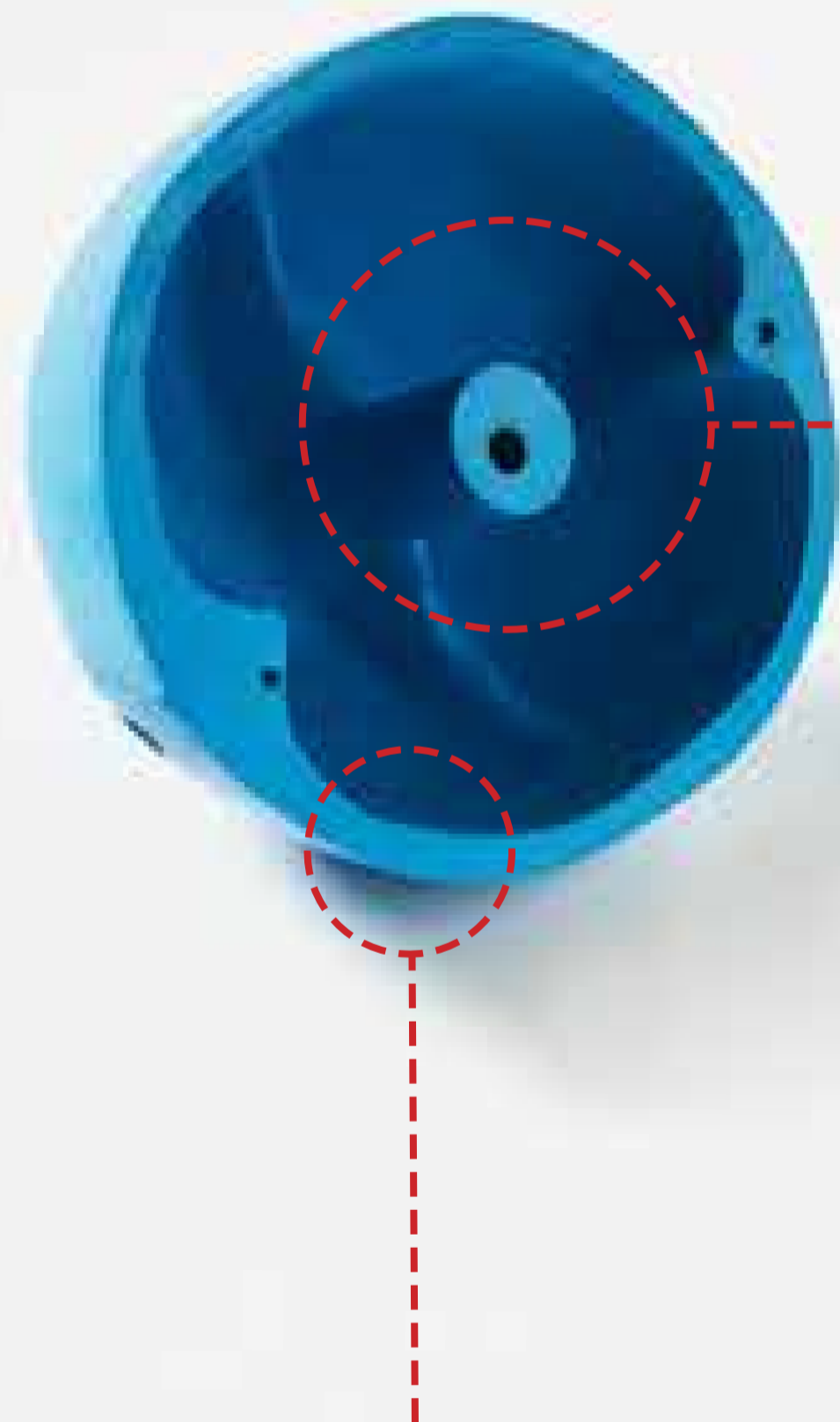
4

## STEP 4

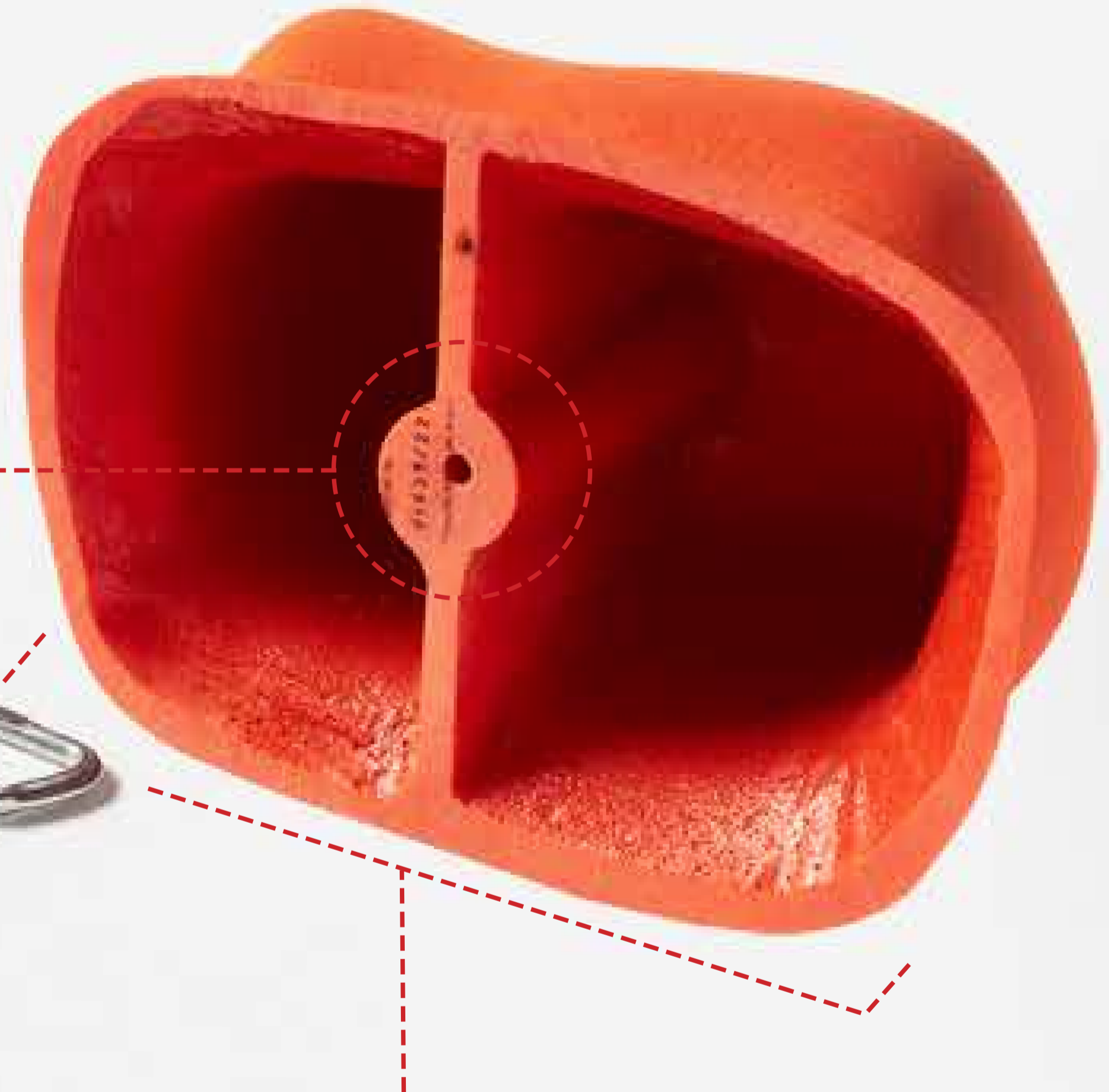
INSPECT FOR CRACKS AND ENSURE ENOUGH ATTACHMENT POINTS HAVE BEEN PROPERLY ADDED FOR THE FORCES AND LEVERAGE IT WILL BE SUBJECT TO DURING USE.

**! WARNING**

**NOT ALL HOLDS CAN BE SAFELY CONVERTED TO SCREW-ON HOLDS.**  
BOLTS INSTALLED PROPERLY INTO T-NUTS HAVE SIGNIFICANTLY MORE STRENGTH THAN SCREWS.



**! BOLT-ON ONLY**



**EXAMPLE: ESCAPE BALL SLOPER**

WALLS ARE TOO THIN TO ADD ADDITIONAL ATTACHMENT POINTS. THE THREE EXISTING ATTACHMENT LOCATIONS ARE NOT ADEQUATE FOR USING ONLY SCREWS.

**EXAMPLE: KINGDOM DRAGON BALL**

BOLT IS REQUIRED FOR SAFE INSTALLATION AS A CLIMBER CAN GENERATE TOO MUCH FORCE AND LEVERAGE ON A HOLD THIS SIZE.