Grip-Engineering Newsletter

04 / 2025

April 2025

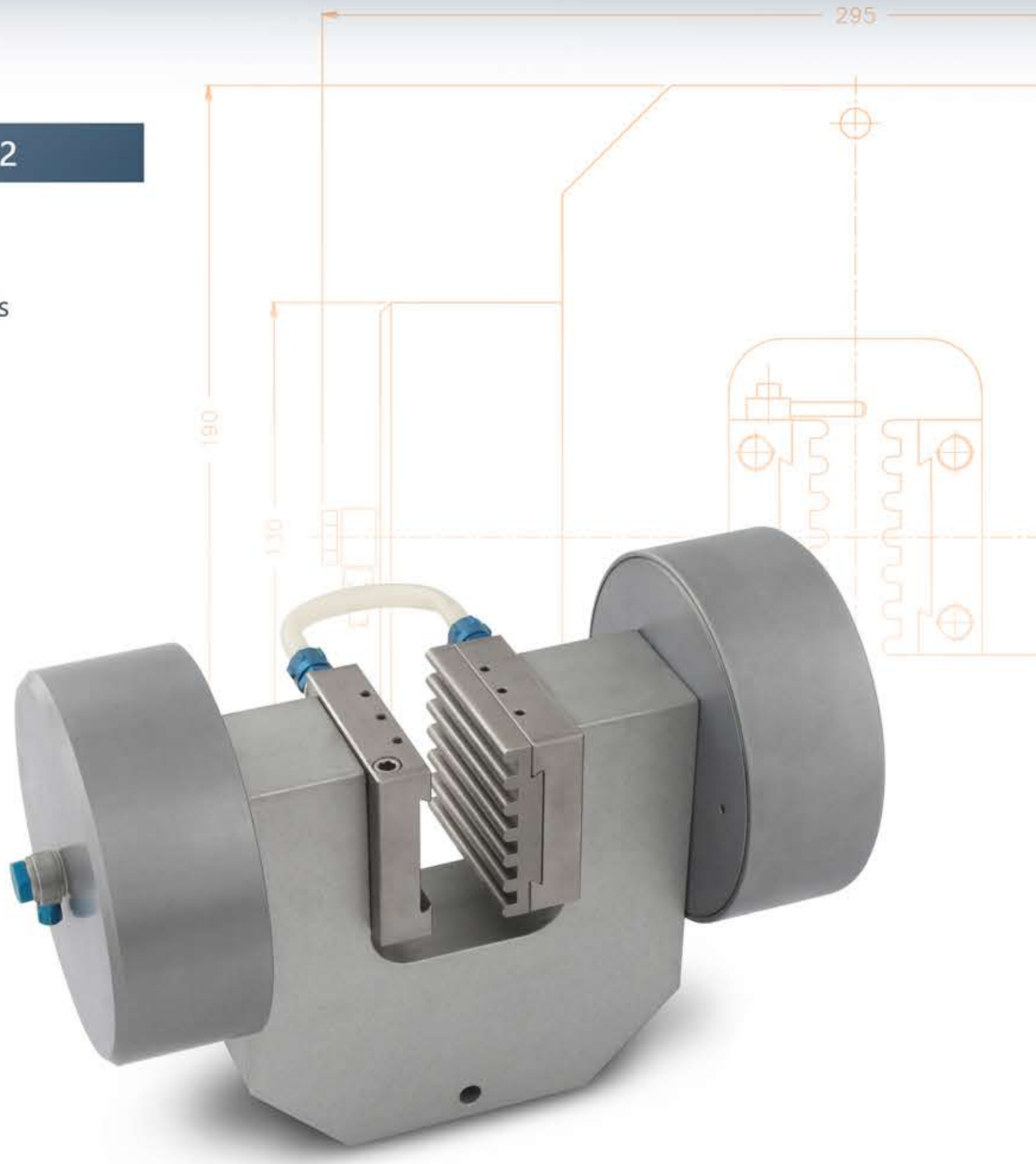
Grips for bitumen sheet testing

Bitumen sheets are flexible and have varying thicknesses, which makes it challenging to perform consistent mechanical testing without proper grips and fixtures. The primary role of our grips and fixtures is to securely hold the test specimen, prevent slippage, and distribute forces evenly across the sheet during testing.

THS132

Pneumatic grip with 2 pneumatic rods
for bitumen sheet testing according
to ASTM D4073 and ASTM-D5147.

DATASHEET

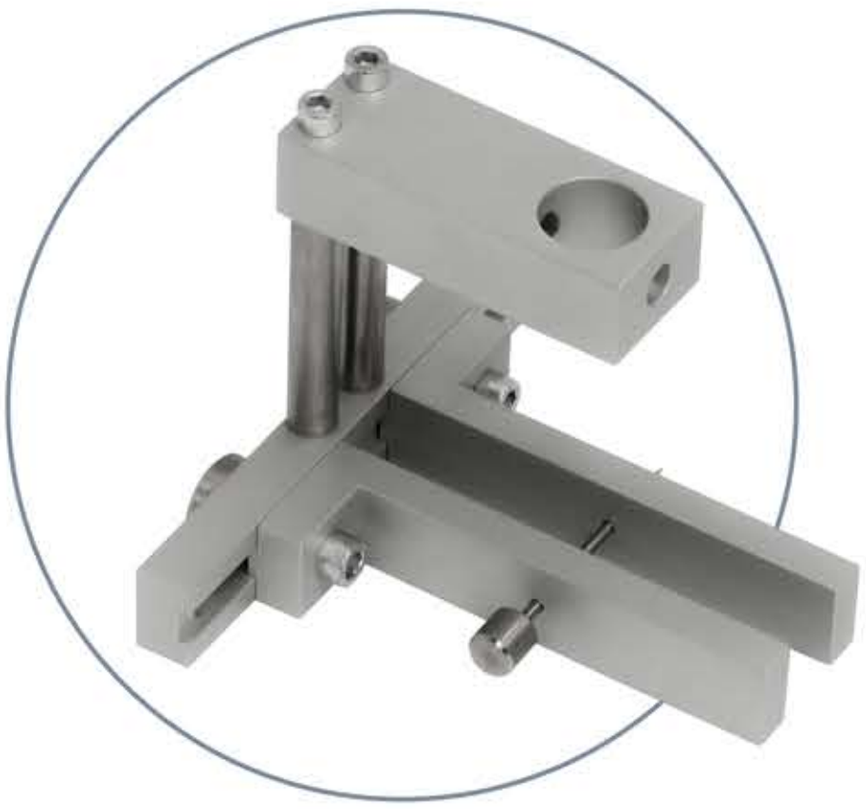


THS132-EBB1-100
Extra wide special wave insert jaws
for bitumen sheet testing.

THS716

Nail shank tear resistance test fixture for bitumen sheets for roof waterproofing according to EN12310-1.

DATASHEET



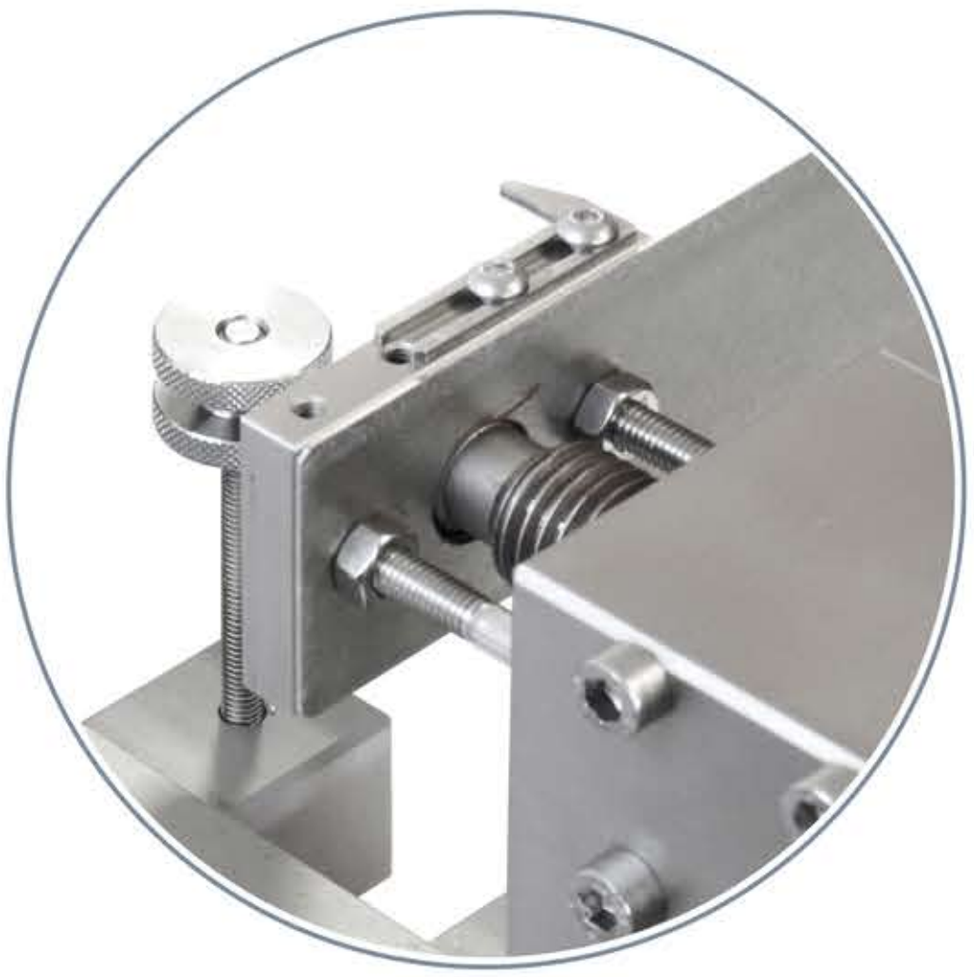
THS1485-60-KS-L270-GD30

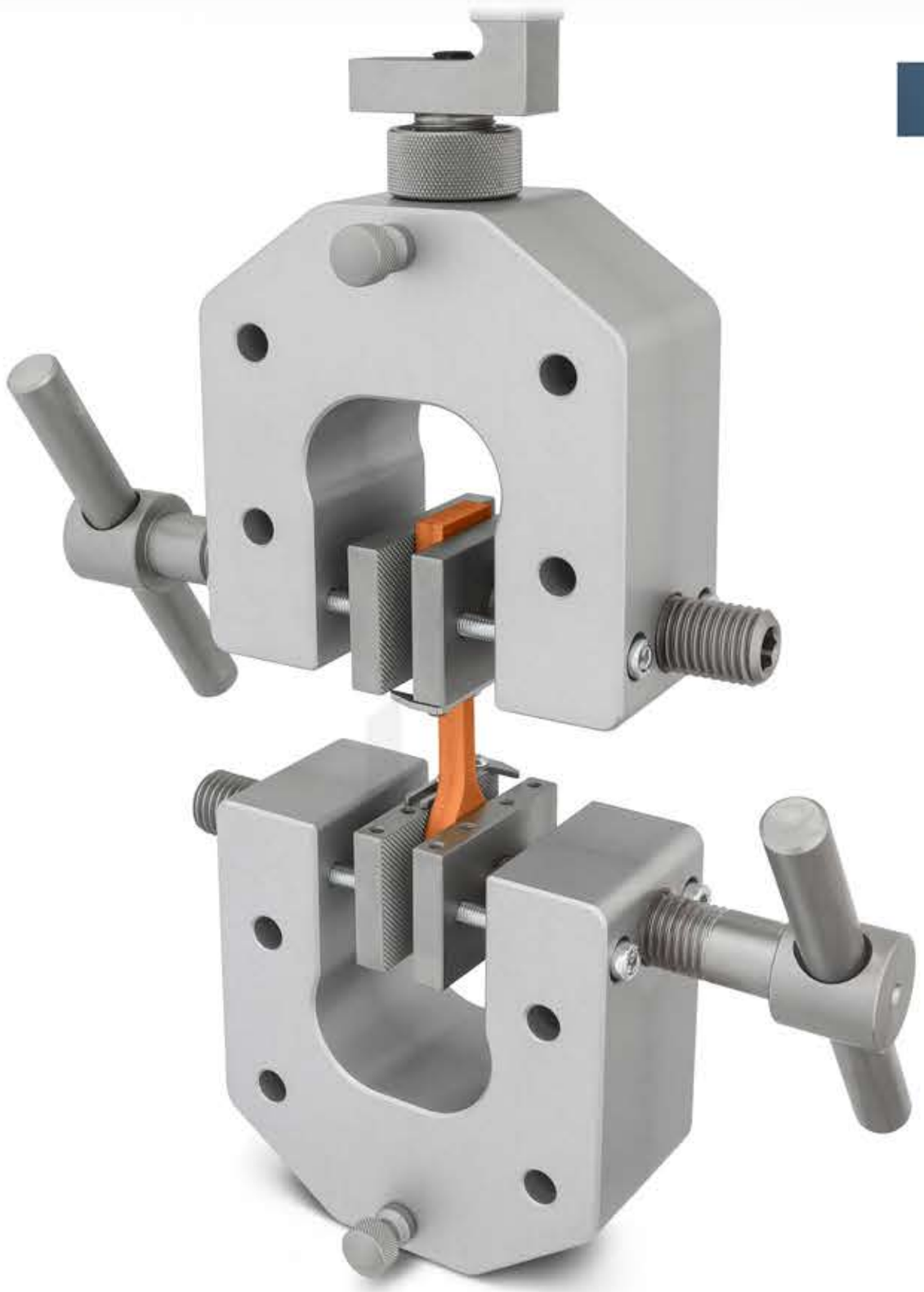
Cold chamber made of Teflon and stainless steel. Device for cryogenic experiments with liquid nitrogen down to -150°C.

In cases where bitumen sheets are tested under varying temperature conditions, thermal fixtures are employed. For example, cryogenic fixtures may be used to simulate low-temperature conditions.

THS1907-S220

Special test fixture to determine the crack bridging ability of reinforced bitumen sheets according to EN14224.

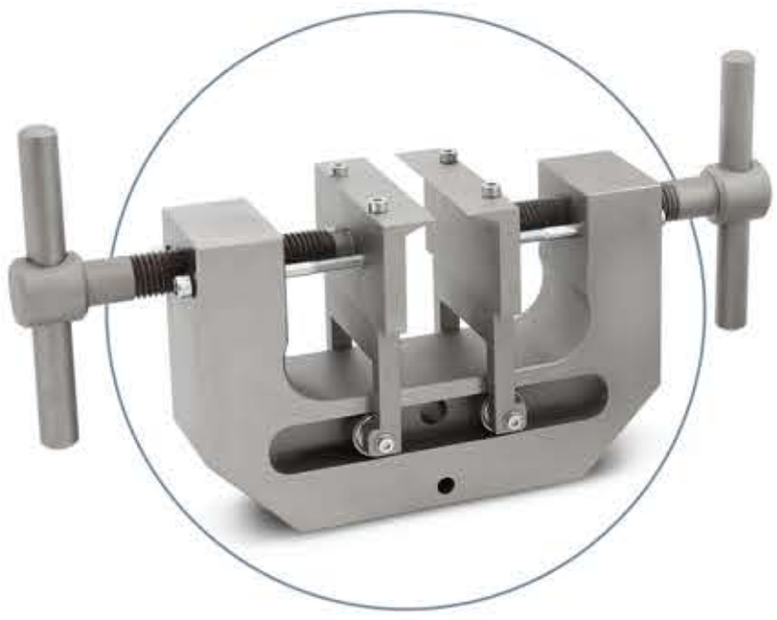




TH154+BWC

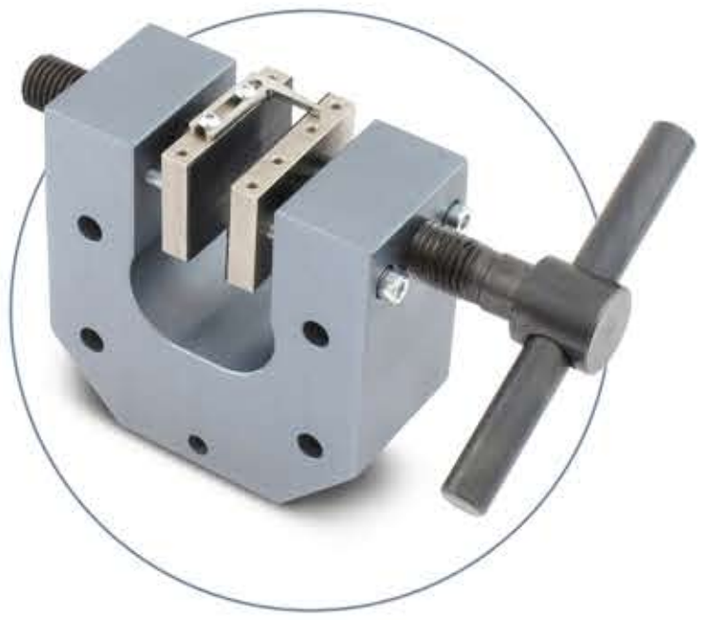
Jaws with cooling ports for testing bitumen according to ASTM-D4073 and ASTM-D5147.

DATASHEET



TH154-20-S100

TH154-20-S50

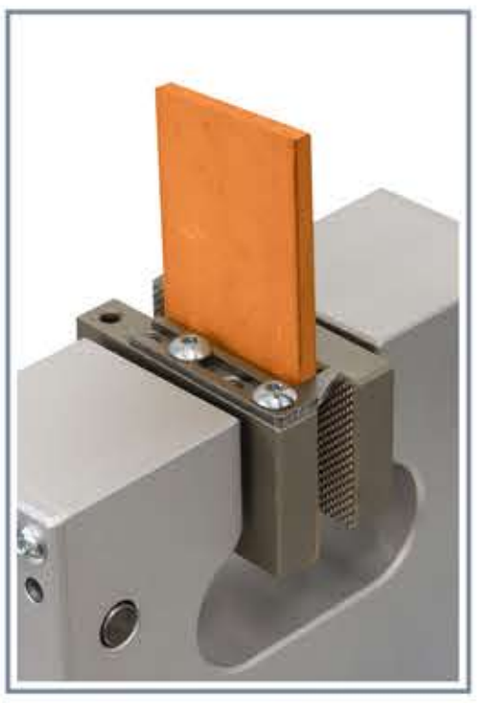


TH154-10

TH149+BWC

Jaws with cooling ports for testing bitumen
according to ASTM-D4073 and ASTM-D5147.

DATASHEET



TH149-BWC
Wave jaws with cooling hole
ASTM-D4073 and ASTM-D5147.

TH83+BWC

Jaws with cooling ports for testing bitumen
according to ASTM-D4073 and ASTM-D5147.

DATASHEET