

function

The SCITEQ axial notch milling machine is developed for samples preparation of PE pipes according to EN, CEN, British and Irish standards, also known as the Notched Stress Crack Resistance Test. The application is for testing stress crack resistance on PE pipes at 80° C +/- 1° C.

highlights

- high precision milling
- time saving accessory
- high safety
- easy handling
- unique clamping

features

SCITEQ produces the axial notching milling machine with a precision second to none. The machine is constructed to perform a notch at 60 degree angle. Milling tool dimensions Ø76.2 x 12.5 x 25.4 mm double right angle milling cut at 700 rpm, at a speed of up to 150 mm per minute at a controlled depth in the pipe wall.



construction

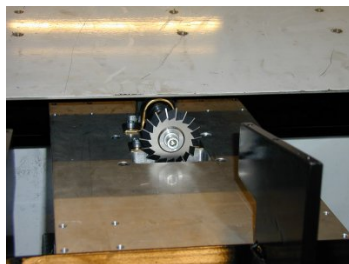
The cutter itself must not have been used on any other material and must be replaced before 100 m of notching. The rotation of the notch is constructed in a way that it cuts from the surface of the pipe and downwards towards the top of the notch. The cut depth is the pipe wall thickness at the end of the pipe multiplied by 0.2. The length of the sample must be equal to the outside diameter of the sample or at least 125 mm. The pipe is clamped using two pneumatic cylinders which hold a solid clamping rod which is passed through the centre of the pipe to be milled. The milling travel speed can be adjusted from the minimum allowable to the maximum allowable rates. Centering of the pipe is extremely important, and easily done by means of the pipe clamping fixtures. Safety has been upgraded on the construction to secure that it is not possible to touch the cutter during the notching. The cutter moves up from below to the fixed pipe sample without any possibility for the operator to manually touch the cutter. The machine has a light built into the milling area for observation. This light is manually activated.

We wish to give our partners the tools to produce to the highest standard, while helping them to produce as cost-effectively as possible with Q.C. tools throughout the factory.

associated equipment

- pressure stations
- thermo tanks
- end closures
- hoses
- pc-sciteq software
- end closure mounting
- laboratory saw

- electrical connection 3 x 380V + N + PE 50Hz 16Amp
- air connection 5-7bar air supply to be connected
- table feed 150mm/min (adjustable)
- milling cutter 700rpm
- notch length 125 - 650mm
- notch depth 1 - 15mm
- pipe wall thickness Min. 3mm
- min. sample size Ø40mm
- max. sample size Ø630mm
- suction unit Included



SCITEQ A/S
 Rho 3
 DK-8382 Hinnerup
 Denmark
 Tel: +45 86 96 19 33
 Fax: +45 86 96 24 75
www.sciteq.com
[sales\(at\)sciteq.com](mailto:sales(at)sciteq.com)

associated | equipment ▲ | essential equipment

pressure stations

thermo tanks

end closures

hoses

pc-sciteq software

end closure mounting

laboratory saw