

## function

The **SCITEQ adjustable calibrating sleeve** is a tool that optimises plastic pipe production. The pipe diameter can be easily controlled and varied with a high degree of accuracy, all while maintaining roundness. By using the calibrating sleeve it is possible to increase both speed and efficiency without compromising on quality.

## highlights

optimisation of pipe production

significant raw material savings

all pressure classes / all wall thicknesses

robust construction up to Ø2500mm

patented design

easy adjustment during operation

high flexibility and accuracy

outer diameter adjustment

## features

The calibrating sleeve ensures an excellent surface of the extruded plastic pipe. The sleeve is the most reliable and simplest tool on the market for calibrating plastic pipes online.

One calibrating sleeve for one specific pipe diameter covers all wall thicknesses/pressure classes.

Another special feature is the fact that conventional (fixed) calibrators can be converted into adjustable sleeves, thus obtaining all the advantages of the flexible sleeve solution.



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.

## construction

The construction has been selected for corrosion resistance and durability.

The idea behind the construction is to keep the construction as simple as possible to ensure durability and user-friendliness to the benefit of the end-user. The calibrating sleeve is manually operated by means of two point adjustment screws.

Main parts of the sleeve are: housing, inlet (construction dependant on plastic pipe material), slotted calibration sleeve, articulated joints, connectors for cooling and two point adjustment screws.

The sleeve is equipped with a numeric counter from Ø63mm and upwards. As standard on smaller diameters than Ø63mm an easy-to-read scale is fitted on the sleeve. Both the scale and numeric counter eases adjustment of the set diameter.



*an adjustable calibrating sleeve for large diameter pipes*

**diameter range:** Ø14mm up to Ø2500mm

**material:** red brass and stainless steel

**inlet:** different inlets depending on plastic material (PP or PE)

**scale:** < Ø63mm: an easy-to-read scale is fitted. A numeric counter may be fitted but it depends on the width of the vacuum tank.

>= Ø63mm: a numeric counter is fitted

**cooling:** intensive cooling at inlet, water inlet/outlet, with/without pre-cooling

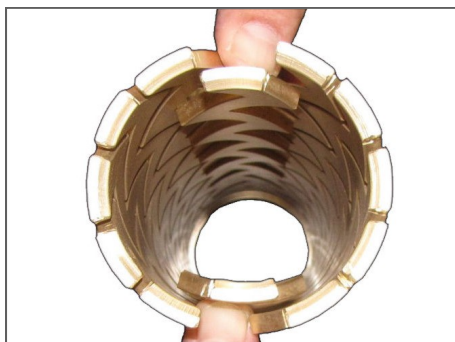
**conversion:** conventional (fixed) calibrators can be converted into adjustable sleeves

**small pipe diameters:** an extended calibrating sleeve is available for Ø14mm up to Ø63mm PE pipes for maintaining high speed/performance

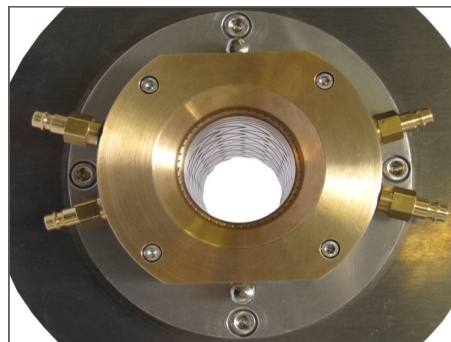
**conventional calibrating sleeves** conventional calibrating sleeves also available please contact us for further information



An installed calibrating sleeve in action ensuring close-to-minimum-tolerance production and a reduction of overall scrap volume.



The calibrating sleeve is slotted to ensure a high degree of flexibility in adjusting to the exact diameter needed



Inlet for PE pipes including water connectors for cooling as well as the two point adjustment screws



The adjustment system comprises articulated joints for setting the slotted calibration sleeve