

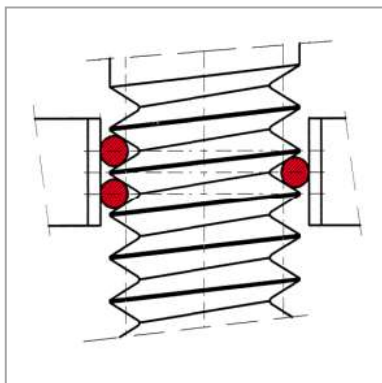
## APPLICATION NOTE

### Large Trapezoidal Threads Measurements



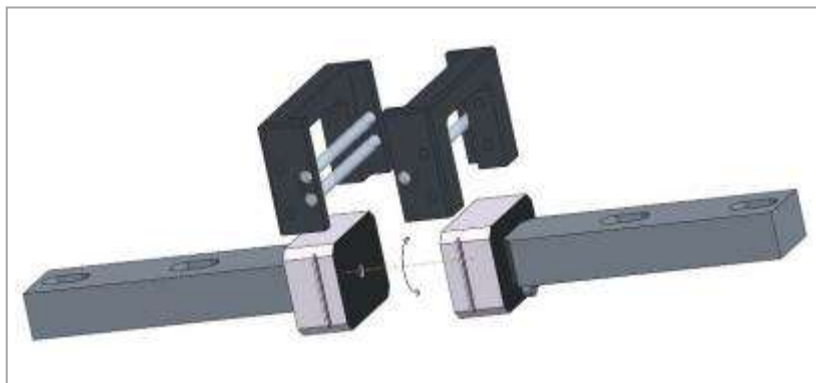
Many companies with trapezoidal thread gauges face a dilemma when it comes to calibrating them. The solutions available on the market are either imprecise or extremely expensive.

Today, Trimos is able to offer an innovative and simple solution for the measurement of large trapezoidal threads based on its horizontal instruments.



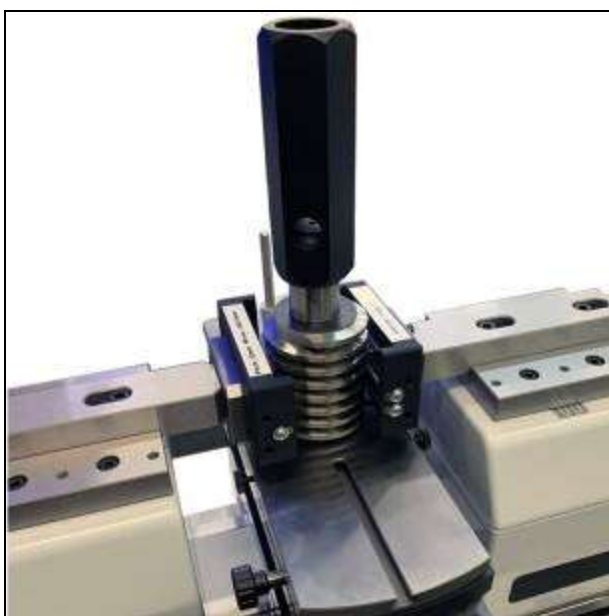
### Three-wire measurement

This is one of the most accurate procedure for determining the pitch diameter of threads.



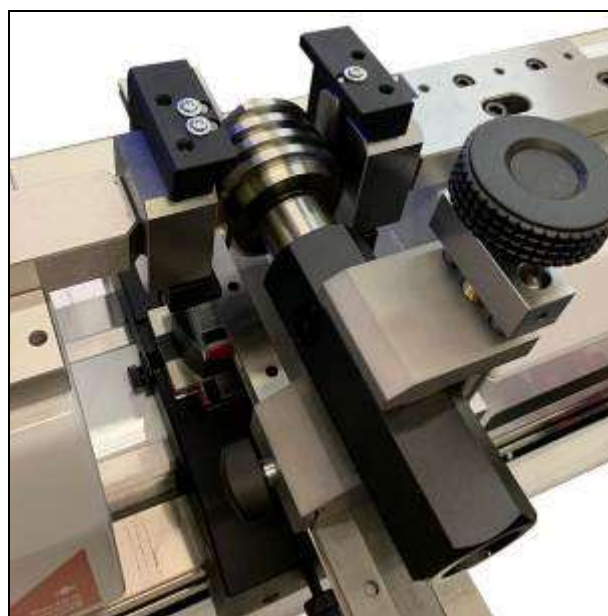
### Description

The trapezoidal thread measuring accessory consists of a pair of supports with rotating head which are mounted directly on the instrument. For each thread pitch size an adapter with precision pins (wires) is attached to the head of the support. The rotation axis of the support head allows the pins to be positioned precisely in the thread. The measurement is carried out in the same way as with conventional 3 wire method.



### Measurement in vertical position

Application example of trapezoidal thread plug in vertical position with TA-SU-313



### Measurement in horizontal position

Application example of trapezoidal thread plug in horizontal position with LABC-15

### Requested configuration

This application is compatible with **Horizon Calibration**, **Labconcept** and **Labconcept Premium**.

The QMSOT software is recommended for the calculation of the pitch diameters.

Each application requires specific adapters. This is why we ask you to contact us to define the best configuration for your application. Price on request.

Thierry Keist, Trimos SA

© 2020 Trimos SA, Renens, Switzerland. All rights reserved

### TRIMOS SA

Av. de Longemalle 5  
CH - 1020 Renens  
T. + 41 21 633 01 01  
info@trimos.ch  
www.trimos.ch