

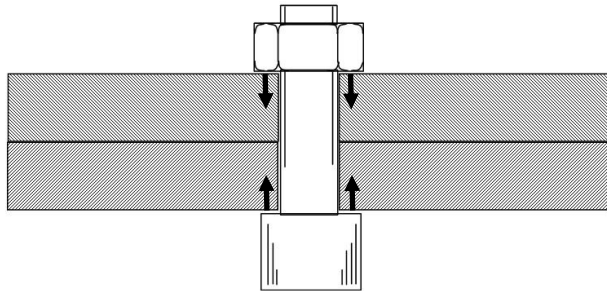
# SCREW JOINT SCIENCE IN A BOX!

Are you in control of the strength and safety of your screw joints?

Momento has the answer:

The new Delta Sigma ultrasonic instrument for easy measuring of clamping force in fasteners.

No more broken or lose screws!



For all assembly work using screws, the screw will be stretched like a stiff spring and create a clamping force in the joint. It's the clamping force that keeps the screw joint together.

When tightening the fastener, there will be considerable friction losses, which means that you never know how much of the applied torque that actually creates a clamping force.

It is estimated that only 10-15% of the applied torque contributes to creating clamping force!

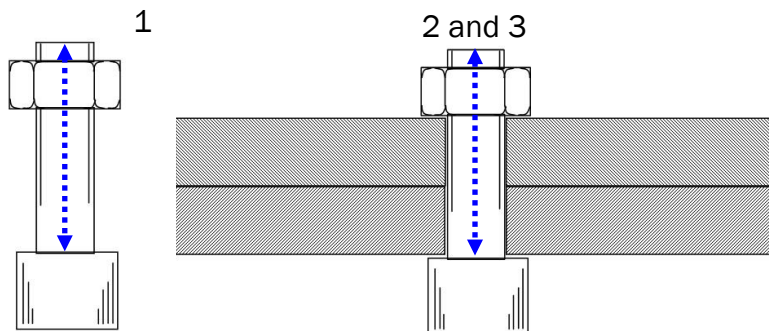
Lubrication reduces losses and clamping force becomes higher, but the size of the clamping force is still a guess!



- 85%

## Ultrasonic measuring gives you control!

By first measuring the screw length in free mode (1) and then measuring the screw when it is tightened (2), you will know the exact elongation and thus the exact clamping force!



(3) Follow-up  
With Momento Delta Sigma, it is also easy to check if clamping force has changed over time.

Just put on the transducers and measure again and you get a direct result.

All results are stored in the instrument and can be exported to a PC.