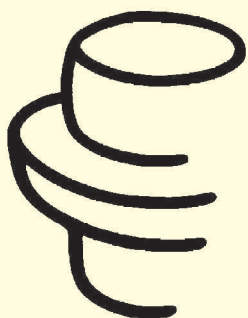


# TONISCO Jr.

drilling equipment  
branching water pipes under pressure



**TONISCO**

Pipe line maintenance  
under pressure

**system**

# TONISCO Jr. Drilling machine for non-weldable main lines



## TONISCO Jr drilling equipment

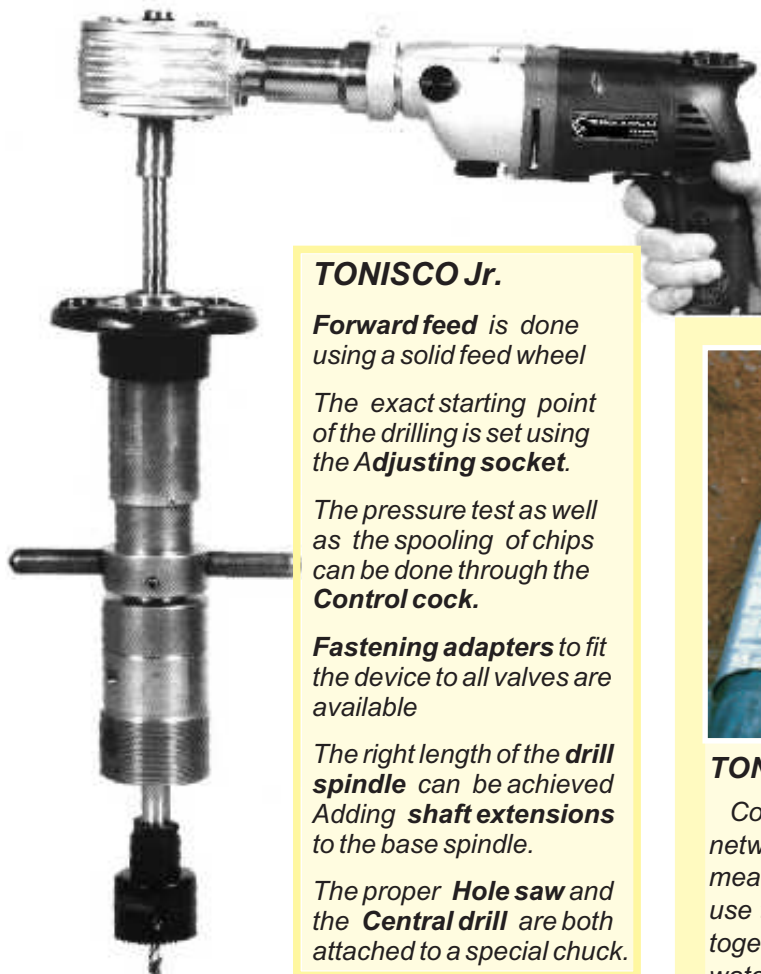
TONISCO Jr. Drilling machine is designed to accomplish branches under pressure in all kinds of pipe systems. The device suits very well in drilling branches in both weldable and non-weldable water supply-, gas- and district heating pipe lines. As closing element while connecting the actual branch line different full - or reduced opening closing valves can be used equipped with connecting flanges or-threads.

Using TONISCO Jr. device a branching up to DN 100 nominal dimension can be accomplished under pressure. In spite of the remarkable drilling capability the device itself is quite small in size, reliable and easy to operate and learn - therefore also the smallest branches beginning from DN 20 are very easy to prepare.

The most simple version can be manually operated - the driving force is applied manually to the cutting tool using a ratchet drive. Other alternative drive sources are either electric or pneumatic. The drilling happens using a relatively thin walled hole saw - the driving force is minimized and the amount of produced chips very small.

## TONISCO Jr. Properties:

|                    |                   |
|--------------------|-------------------|
| Drilling range:    | DN20 - DN100      |
| Main line:         | All materials     |
| Substance:         | Liquids and gases |
| Oper. pressure:    | 40 Bar            |
| Oper. temperature: | -20.....+160°C    |
| Weight             | 8 - 15 kg         |



### TONISCO Jr.

**Forward feed** is done using a solid feed wheel

The exact starting point of the drilling is set using the **Adjusting socket**.

The pressure test as well as the spooling of chips can be done through the **Control cock**.

**Fastening adapters** to fit the device to all valves are available

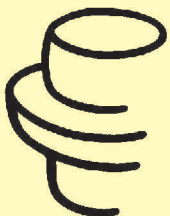
The right length of the **drill spindle** can be achieved Adding **shaft extensions** to the base spindle.

The proper **Hole saw** and the **Central drill** are both attached to a special chuck.



## TONISCO Jr. - branching water supply lines

Connecting new consumers to an existing water supply network offers many advantages compared to other means. The wide branching range gives an opportunity to use the same device also while connecting the main lines together. All branching can be done without mixing the water or interrupting the supply while working.



# TONISCO

PL 36 33531 Tampere  
Tel: +358 3 2611 724  
Fax: +358 3 2614 145  
Email: sales@tonisco.fi

# system

<http://www.tonisco.fi>