

uponor

Introducing  
**RTM™** Technology



**TOOL**  **INSIDE**  
Ring Tension Memory Technology

At Uponor, we believe that technology and development must be at the forefront of everything we do. Delivering benefits and performance in any installation keeps us one step ahead of the market and is essential to the future.



We know that **perfect solutions** begin with the basics and evolve through paying constant attention to every detail, throughout our factories, retailers, installers and, of course, our customers.



Uponor has always been a pioneer in the development of revolutionary technologies, and we have done it once again.

Uponor now introduces the new **RTM™ Technology: Ring Tension Memory** with the Tool-Inside concept, ideal for refurbishment and new buildings, **allowing safe, quick and professional joints**, thanks to the **Joint Indicator** and **no tool dependence**. **RTM™ Technology** works perfectly with Uponor's MLCP pipes.

# RTM™ Technology



It is easy to install due to its **revolutionary RTM™ Technology**, a technology that has allowed Uponor to incorporate the Tool-Inside: **The Ring with Tension Memory**.

This revolutionary **RTM™ Technology** creates **constant pressure** ensuring **perfect and long lasting joints**.



Ring Tension Memory Technology

**TOOL**  **INSIDE**

# RTM™ Technology

The **high technology** material used in the device combines the **lightest engineered plastic** with the **best mechanical features of metal**, providing an exceptional resistance to extreme temperatures.

Additionally, it has a memory effect that ensures **watertightness at all times**; because the ring applies a **consistent pressure around the pipe**, it absorbs any temperature fluctuations.



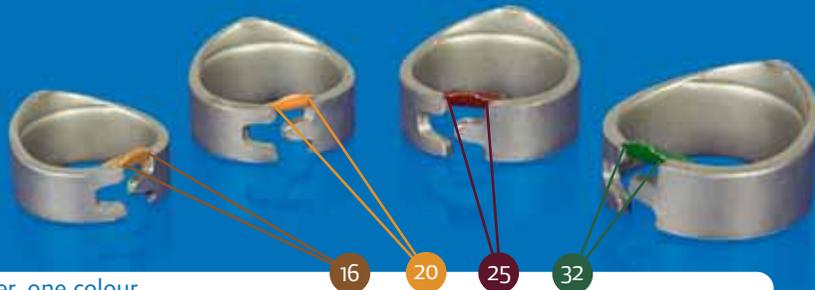
The ring is made of high carbon steel spring, providing a memory effect, making it the tool itself.

The manufacturing of the new RTM™ fitting accessories with Tool-Inside concept originated in technology developed in the automotive industry, being the materials used for ABS discs.



## COLOUR CODE. WITH DIAMETERS FROM 16 mm. TO 32 mm.

**Colour Coded Joint Indicator** lets you know at a glance which size to select, saving time and ensuring a safer and more **reliable joint**.



Uponor helps you. Each diameter, one colour.

## TOOL INSIDE

Ring Tension Memory Technology

### SECURITY COMES FIRST.

Upholding the highest levels of joint **security** is one of our **core objectives at Uponor**, we have subjected our products to the most demanding tests; taking the **RTM™ to extreme working limits**.

This helps us in the development of products that will work under **high pressures, thermal variations**, or even extreme tensile movements at pipe extremities, that are not usual on a day-to-day basis but still represent danger to any installation.

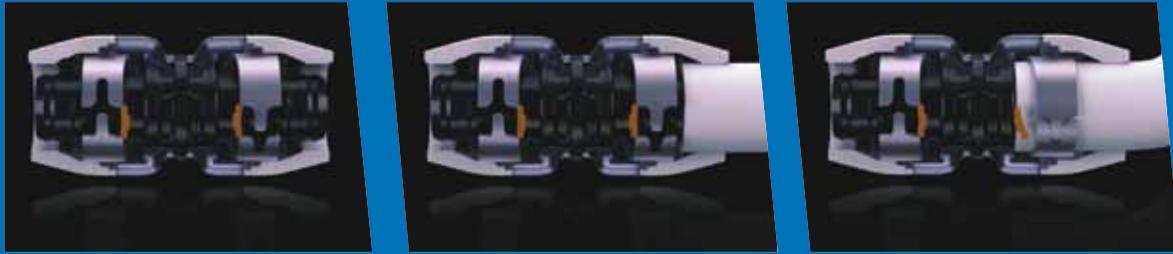
What we have achieved with **RTM™ Technology** is complete success in the Tool-Inside concept.

Since the ring substitutes the pressing tool, there is **no tool dependence** - guaranteeing two secure systems - firstly by applying a constant pressing across the entire ring surface, and secondly by ensuring the pipe cannot be pulled out.



## JOINT INDICATOR.

When you insert Uponor MLCP pipe into the **RTM™** fitting, you will hear a **“click”**, this indicates the success of the connection, you will then be able to see how the joint indicator has been detached **from the ring**, thanks to its 360° window. Up to this point, the locking pin has two main functions - it keeps the ring under tension and acts as a colour code that indicates the diameter of the pipe.



## FAST AND EASY INSTALLATION.

To make a fully secure joint, cut and calibrate the MLCP pipe, then insert the pipe until you hear the **“click”** indicating that a successful joint has been made.



1

Cut the pipe.



2

Calibrate.



3

Connect.

## PROFESSIONAL.

Safe and long-lasting installations thanks to the **RTM™ Technology**: Ring Tension Memory with the Tool-Inside concept; **as tools are not needed, the RTM™ fitting ensures a quick**, safe and quality job when joining Uponor Multilayer pipes.

The Joint Indicator **shows instantly that the connection has been properly made.**

Uponor's **RTM™ Technology**, with the Tool Inside concept, complies with all the main relevant **International Certification and Standards**. As you would expect from a global leader in **plumbing** and heating solutions in both Europe and America.

Additionally, it is suitable for both new installations and refurbishment projects.



**E.C. 45 years old. Architect.**

“Now, whenever I design any space, I know I’m choosing the best product thanks to Uponor’s guarantee. I know that my installations are safe and long-lasting thanks to Uponor’s **RTM™ Technology**”.

**J.R.T. 43 years old. Installer.**

“With Uponor’s **RTM™ Technology**” I can count on making a reliable and quick installation. Thanks to its Tool-Inside concept I’m able to make joints in hard to reach places that a tool does not fit”.



For further information please visit [www.uponor.com/rtm](http://www.uponor.com/rtm)



## RTM™ Technology

The new tool-free and secure technology for professionals, from Uponor.

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[www.uponor.co.uk](http://www.uponor.co.uk)