

# PRE-INSTALLED CABLE PROTECTOR



SAFER  
OPERATIONS



DIRECT RIG  
TIME SAVINGS



PEACE  
OF MIND



**IMPROVE SAFETY  
& SAVE TIME  
ON THE RIG FLOOR  
WHEN CLAMPING**

- DOWN TO ONLY 20 SECONDS ON THE CRITICAL TIME PATH
- SINGLE PERSON OPERATION AT THE ROTARY TABLE
- USES STANDARD TUBULAR HANDLING EQUIPMENT
- ADAPTABLE FOR MULTIPLE CABLES & FLATPACKS



# THE CHALLENGES OF CLAMPING ON THE RIG

Completion installations are costly, time consuming, and often risky, with work regularly taking place in the 'red zone' where most injuries occur on the rig floor. Traditional cable clamping can be particularly challenging, as it requires cable protectors to be placed around the coupling before fitting two straps around the tubing and then tightening the bolts.

Each operation usually takes at least a minute and requires 3 or more people to enter the red zone. Furthermore, the logistics of transporting hundreds of cable protectors to the rig floor is costly and can result in delays to running operations.

## SUCCESSFUL LONG STRING DEPLOYMENT IN THE NORTH SEA

An international oil & gas operator was looking to improve safety on its North Sea rig. It requested 200 PICP units from Vallourec for a full string. In early 2023, tubing fitted with the units was successfully run in the hole.

On top of the safety benefits, the operator was impressed by how PICP reduced clutter and manual handling, and eliminated the need for manual counting. Furthermore, the standard RIH procedure remained unchanged.

The operator subsequently ordered over a thousand PICPs for additional operations.

## A VERSATILE SOLUTION MOVING CLAMPING TO THE YARD

To overcome these challenges, Vallourec has developed the **world's first series of Pre-Installed Cable Protectors (PICP)**. Thanks to this innovation, cable protectors can be pre-installed offline in the pipe yard and the pipes, now fitted with the PICP, can be transported directly to the rig floor. It's then faster and simpler to secure the cables on the rig.

- **1 operator requires as little as 20 seconds** to insert and lock the cables
- **Enhanced safety:** fewer operators spend less time in the red zone
- **Faster run-in-hole:** with protectors pre-installed, there is no need to lift and handle them on the rig floor – helping to accelerate running operations
- **Tubular handling is unaffected:** the PICP is rated to handle the same load as the tubular coupling
- **Flexible solution:** PICP can be adapted to any need, including single, dual or multiple cables, and flat pack configurations

## A PRODUCT RANGE FOR EVERY CLAMPING PROJECT

Vallourec has developed 2 versions of its PICP. The **standard model** securely holds 2 cables. The **multi-capacity version** provides extra flexibility, accommodating up to 8 cables, as single lines or in flatpacks.

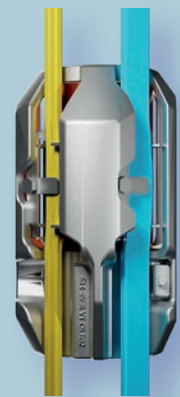
**Both models can be personalized to cover a wide range of needs:**

- 4 ½" & 5 ½" VAM TOP® and VAM®21 for **standard and harsh environments**
- **Expansive size range** down to 3 ½" and up to 7"
- **Customizable for any T&C connection**, including non-Vallourec tubulars & non-VAM® threads
- **Flexible cable configurations:** from 1 to 8 lines, tailor-made for different flatpack configurations
- **Choice of metallurgy:** carbon steel as standard with 13CR stainless, 25CR, Super Duplex and other alloys upon request
- Design qualified to **TR2385 testing protocol**
- **Worldwide** installation services
- **Training available on request**

### STANDARD MODEL



### MULTI-CAPACITY MODEL



## SAFER, FASTER & SURER OPERATIONS



### SAFER HANDLING

- Reduce time spent & people needed in the 'red zone'
- Decrease the need for crane movements at the rig site
- Secure lifting operations thanks to exclusively captive parts



### DIRECT RIG TIME SAVINGS

- Reduce time on the critical path to under 20 seconds per cable protector
- Save hours when running completions
- Get the string to depth – faster

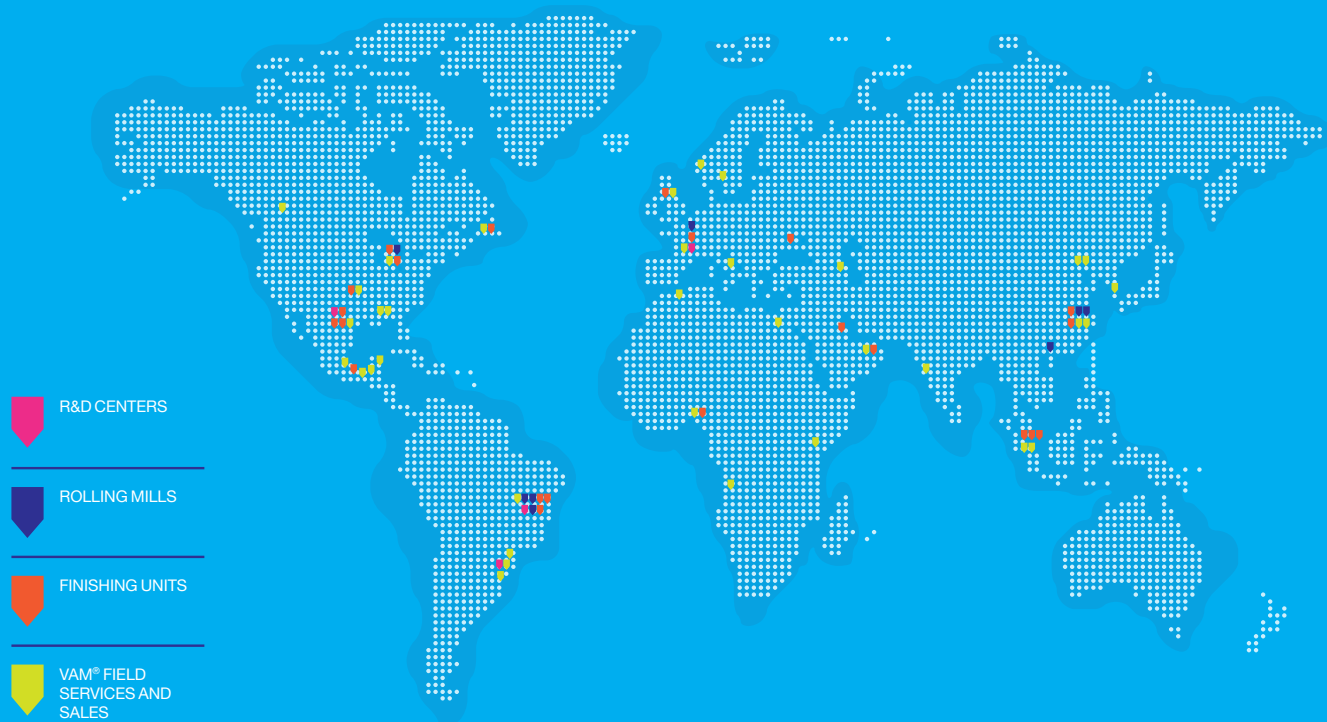


### PEACE OF MIND

- Eliminate the risk of parts falling in the well
- Reduce activity in the 'red zone'
- Simplify rig site logistic



## YOUR PARTNER, SETTING THE PACE FOR INNOVATION AND PERFORMANCE EVOLUTION



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on [solutions.vallourec.com](https://solutions.vallourec.com) or by  
scanning the following QR code.



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