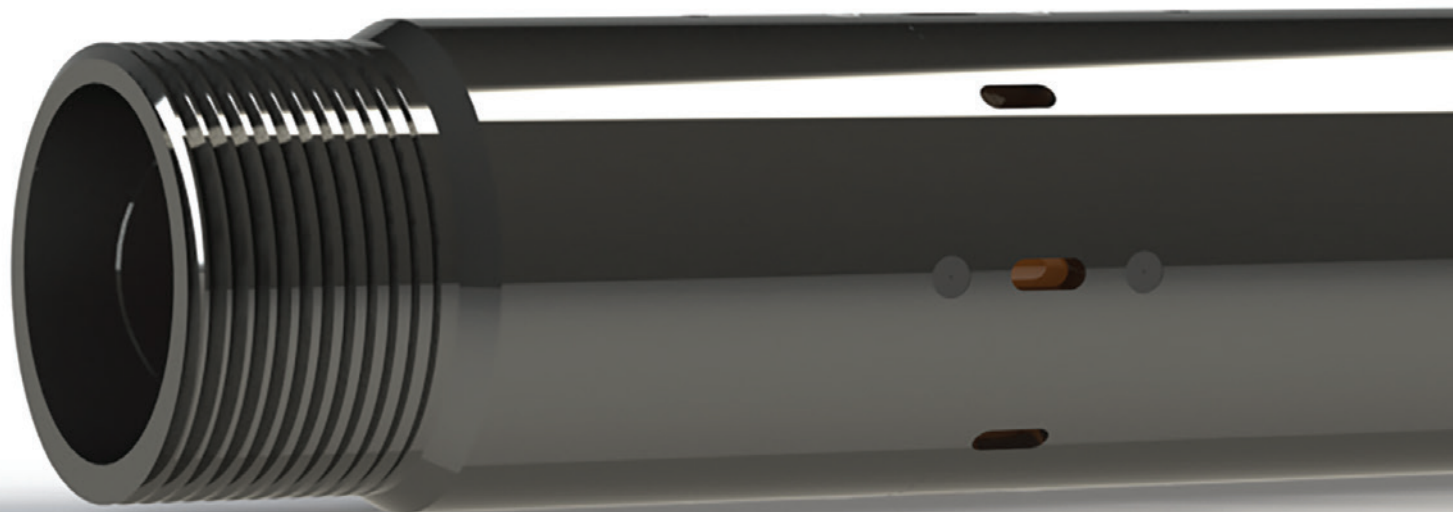


V0-Rated Cementing Port Collar

TAM Cement Integrity Solutions



ISO 14998 V0, Annex A and Annex D, Qualified

MTM Design. Integrity, Built In.

Setting a new standard for the industry.

Integrity is never compromised. At TAM, it's a principle we build into every product, and our new Metal-to-Metal Port Collar is an exceptional example of this. Proven to ensure casing integrity, it meets the industry's latest and most rigorous standard, ISO 14998 V0, Annex A and Annex D – confirmed gas-tight at 300° F (150° C). Offering life-of-well reliability, it simplifies your rig operations as no drill out is required after cementing. And TAM's Metal-to-Metal Port Collar is customizable to address your most critical well conditions, including high torque, drilldown, and deepwater applications. Setting a new standard for the industry with field-proven reliability and industry-leading qualification.



TAM INTERNATIONAL

Gas-Tight



Metal-to-Metal Seal



Customizable



Expertise



www.tamintl.com

EPIC®—Essential Products for Integrity and Containment

WELL INTERVENTION

DRILLING & COMPLETIONS

UNCONVENTIONAL RESOURCES

RESERVOIR OPTIMIZATION

TAM Cement Integrity Solutions

EPIC®—Essential Products for Integrity and Containment



TAM Cementing Port Collar Portfolio

Port Collars, run with or without Casing Annulus Packers (CAPs), enable high-quality second-stage cementing operations without the need to drill out plugs and/or seats. Depending on wellbore size and operational requirements, a variety of configurations are available, including:

- rotational or reciprocal actuation
- multi-functioning or locking sleeve
- elastomeric or premium metal-to-metal sealing elements
- manufactured to meet metallurgy and premium connection requirements with full bore ID
- sizes 4-1/2 in. to 22 in.
- available to ISO 14998 V0 standards (see opposite side)



TAM HATCH Packers

The HATCH Packer features a patented combination of the TAMCAP and TAM Port Collar with an industry-exclusive metal-to-metal (MTM) seal in the closing valve. The HATCH Packer and MTM seals are the optimum solution for premium production casing strings. The HATCH Packer provides 100% assurance that the valve system is isolated from any wellbore pressures after closure of the Port Collar and stage cementing are complete. No cement is left in the casing, leaving the operator an unrestricted, full bore ID with no drill out required. Construction costs can be cut by eliminating the need for intermediate casing strings. Available in sizes 7 in. and larger.



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