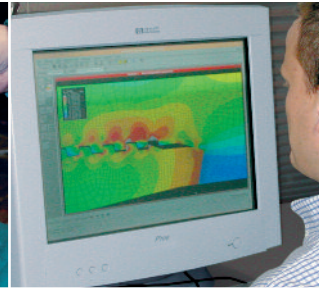
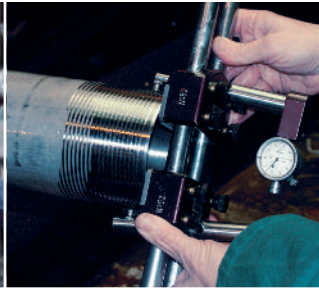




Biggest in class



- VAM® 21*
- VAM® TOP*
- VAM® TOP HC*
- VAM® TOP HT*
- VAM® SLIJ II*
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- VAM® HTF*
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- DINO VAM®*
- BIG OMEGA™***
- VAM® TOP FE*
- VAM® HW ST*
- VAM® MUST*

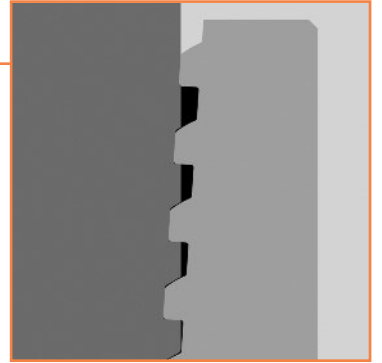
Vallourec Group

VALLOUREC & MANNESMANN TUBES

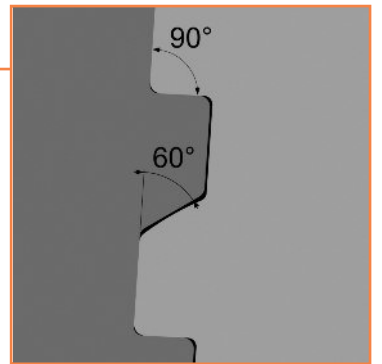




Thread run-out

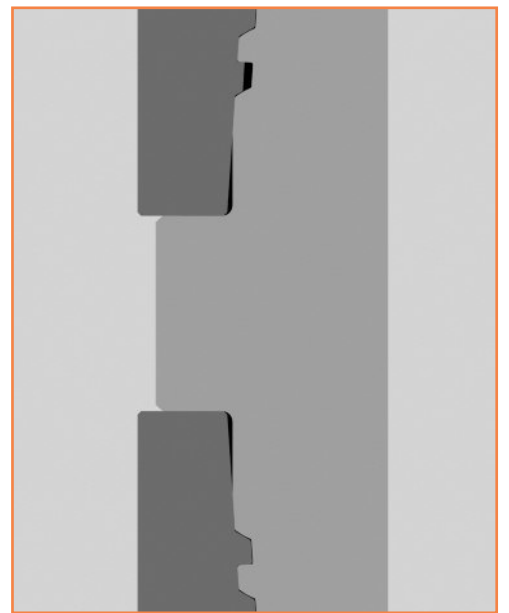


Thread form



TAPER: 1/7.5
3 TPI

BIG OMEGA-IS (OPTION)



BIG OMEGA™ – the World's Premier Large Casing Connection.

Deep oil and gas exploration means longer casing strings in big sizes. For this application, V & M TUBES, one of the most experienced OCTG manufacturers, offers a most economical solution: BIG OMEGA™, the efficient coupled connection, based on the rugged V & M Omega thread profile.

Design principles and technical features

BIG OMEGA™ Casing can be delivered in OD's ranging from 14 in. to 26 in. and in lengths corresponding to API ranges 2 and 3 (including pup joints).

BIG OMEGA™ is a coupled connection. The pin thread is cut directly into the pipe. The risks associated with weld-on connectors are eliminated.

Standard coupling OD's are identical with API; they may be increased for higher grades and larger wall thicknesses if matched internal pressure resistance is required. The standard coupling length is 10 5/8 in. (269,9 mm) as with API.

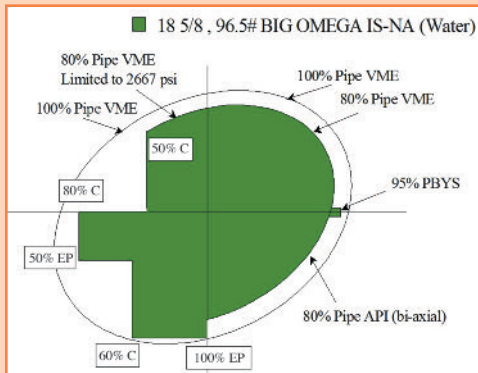
BIG OMEGA™ Casing is a mill threaded pipe. It is available in the quenched and tempered condition in both API and V & M special grades.

BIG OMEGA™ Casing possesses the rugged V & M-developed thread profile featuring:

- 3 TPI
versus Buttress 5 TPI
- Taper 1:75
versus Buttress 1:12
- Bearing flank perpendicular to thread cone
- Stabbing flank 30°
- Crests and roots parallel to cone
- Enhanced thread height 0.0846 in. (2,15 mm)
versus Buttress
- No cross-threading
- Quick running
- Easy stabbing

An internal torque shoulder (-IS option) whenever high torque and/or high axial compression are to be expected.

Your high performance 17.5" drift surface casing



Enhanced compression, bending and pressure resistance

BENEFITS

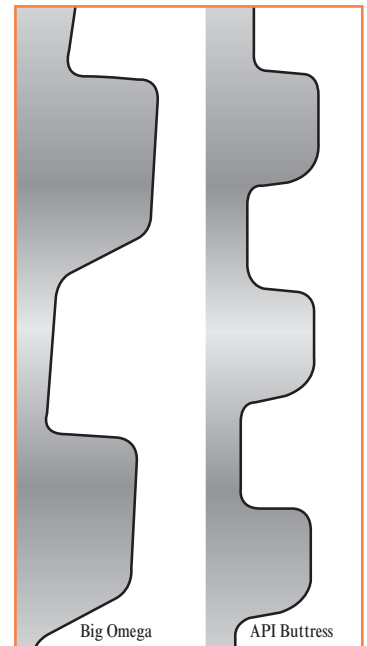
- **Field proven**
- **Easy running**
- **Deep stabbing**
- **No cross-threading**

Field experience

More than 20 years have gone by since the delivery of the first casing string with BIG OMEGA™ connections, an 18 5/8" string which was run in the Khuff Wells near Abu Dhabi, U.A.E.

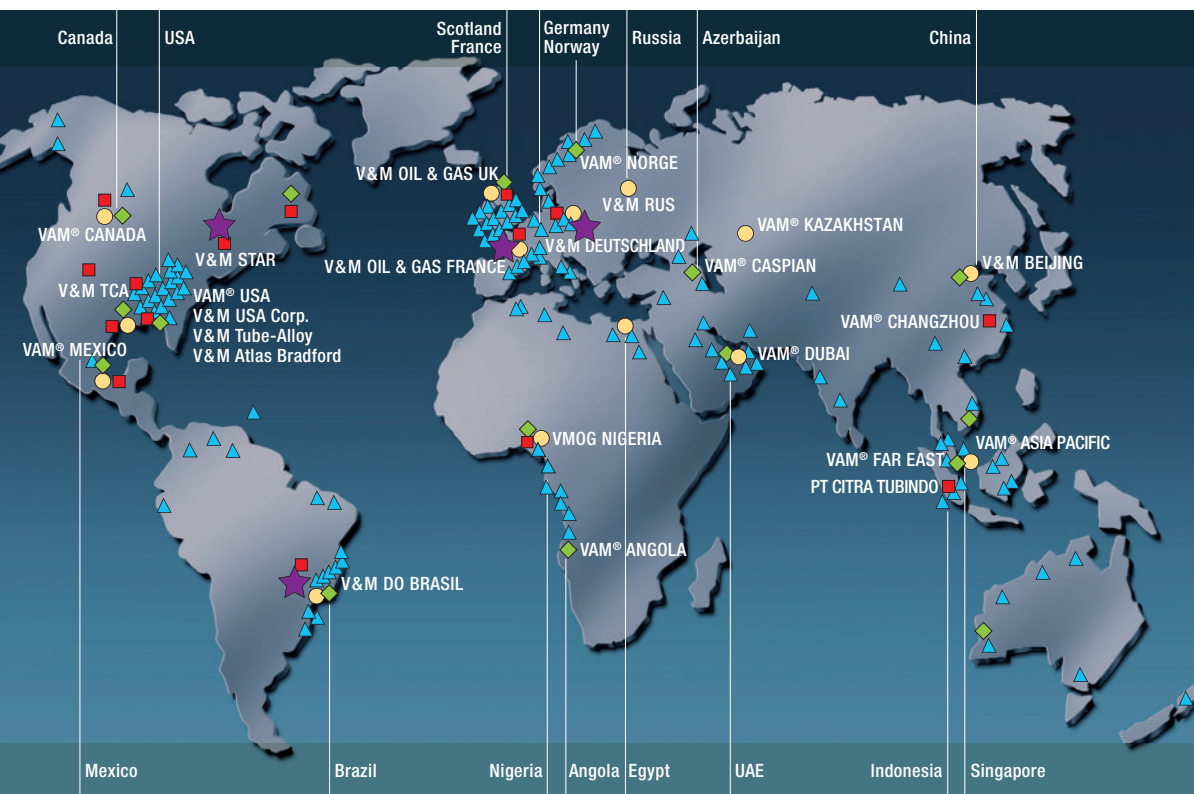
Since then, internationally proven and accepted, BIG OMEGA™ has been used widely by all major oil companies worldwide, e.g.:

- Europe (including the North Sea)
- USA and Canada (including the Arctic)
- Africa
- South America
- Middle East
- Far East
- China
- Australia



BIG OMEGA™ and API Buttress thread

Our worldwide network for your success



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