



# API 20E BOLTING

WOM is proud to announce to the market, its new **API 20E** product line, in order to offer its clients fasteners even more reliable and safe. WOM has achieved benchmark quality and the shortest delivery duration in the industry with its complete in-house and vertically integrated capabilities. The obtaining of the API 20E guarantees WOM's products are manufactured and tested under the most extreme conditions. WOM is able to manufacture (BSL) Bolting Specification Levels in the three-existing levels, which prove WOM's commitment with technology and engineering excellence.

(BSL) Bolting Specification Level
BSL-1
BSL-2
BSL-3

Types
Hot Formed Bolts
Hot Formed Nuts
Studs Bolts
Machined Bolts + Nuts



**American  
Petroleum  
Institute**



**Certificate of Authority to use the Official API Monogram**  
License Number: **20E-0043** ORIGINAL

The American Petroleum Institute hereby grants to

**WORLDWIDE OILFIELD MACHINE PVT., LTD.**  
At & Post Velu, Gat No. 778  
Tal Bhore  
Pune, Maharashtra  
India

the right to use the Official API Monogram<sup>®</sup> on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1<sup>®</sup> and **API-20E** and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: **20E-0043**

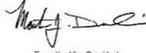
The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Studs, Fully Machined Bolts, Screws and Nuts -All / Machined at BSL 1, BSL 2, BSL 3; Hot Formed Bolts and Screws, Hot Formed Nuts < 1.50 in / Machined at BSL 1, BSL 2, BSL 3, ≥ 1.50 in / Machined at BSL 1, BSL 2, BSL 3

QMS Exclusions: Design and Development

Effective Date: **NOVEMBER 7, 2018**  
Expiration Date: **OCTOBER 22, 2019**

To verify the authenticity of this license, go to [www.api.org/compositelist](http://www.api.org/compositelist).

  
Executive Vice President

IT ALL STARTS WITH **WOM**

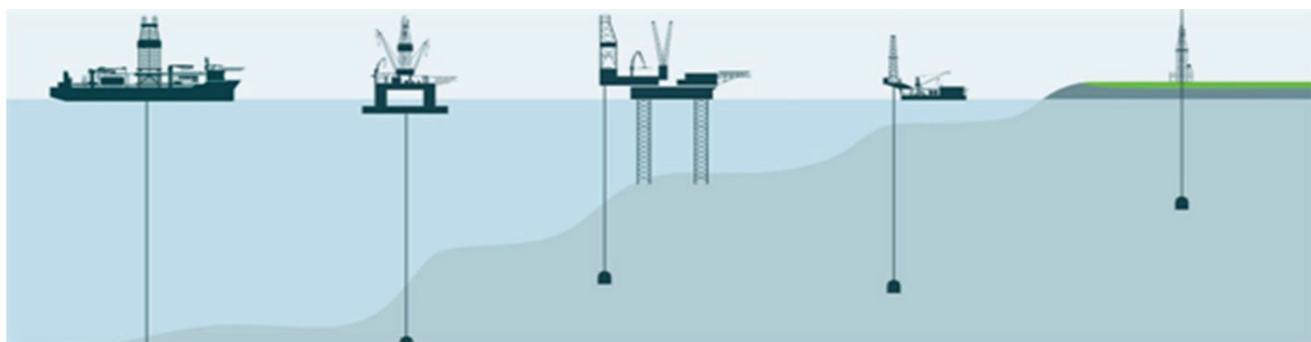


# API 20 E BOLTING

## APPLICATIONS

This bolting is used in critical Surface & Subsea applications equipment and API specification such as:

Valves - Wellheads - Xmas Trees	API 6A
Ball Valves	API 6D SS
Blowout Preventers	API 16A
Manifolds	API 16C/17D
Other HPHT Equipment	-



## MATERIAL CLASS

The API 20 E Bolting is manufactured in several material classes.

ASTM Grades
ASTM A193 - B7, B7M
ASTM A194 - 2H, 7, 2HM, 7M
ASTM A320 - Grades L7, L7M, L43



- WOM has a full fledged in house Forging Unit, Electric Heat Treatment Plant, Machining, Testing (Chemistry, Mechanical, Metallurgical, Hardness, Dimensional & Visual Inspection, Surface NDE–MPI, Volumetric NDE-Ultrasonic testing).
- Metallurgical Tests - Inclusion Contents, Grainsize, Macrostructure, Microstructure & Banding
- Mechanical Tests – Tensile, Impact Test & Proof Load
- WOM also has in-house Xylan coating facility operated under strict monitoring and quality control.
- Zinc and Cadmium coatings can also be provided as per customer’s requirement.
- Automated Storage and Retrieval System (ASRS) at WOM with total storage capacity of over 4,200 tons, ensures superior inventory control and tracking, allowing greater flexibility to accommodate variability in flow of material and instantaneous reporting of material moved, to the host computer system.



IT ALL STARTS WITH **WOM**



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