

# Large OD



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Threaded Solutions  
High Frequency Inductions  
SEAL-LOCK® BOSS

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# Large OD

[www.hunting-intl.com/ocgt](http://www.hunting-intl.com/ocgt)

As one of the world's leading suppliers of well construction and well completion equipment, Hunting focuses on delivering proprietary technology and patented products for the world's largest global upstream oil and gas companies.



## Large OD Thread Solutions

Driven by increasing cost and leadtime for forgings for standard weld-on connectors, Hunting has now developed a cost effective threaded supply solution for sizes of 16" through to 20" OD.

Historically, machining close-tolerance threadforms on ERW material could not be reliably achieved due to wide pipe rolling tolerances.

However, with the development of High Frequency Induction (HFI), Hunting is now able to source and thread connections on pipe sizes normally supported by weld-on connectors.

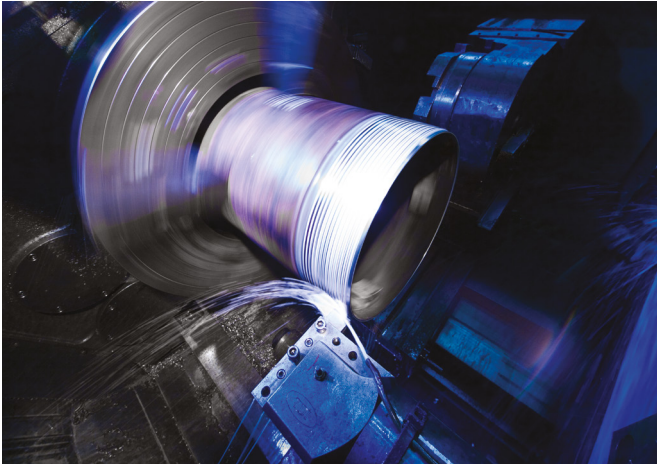
## Quick Delivery

Hunting has now placed key weights of 18-5/8" and 20" semi-finished and finished material into their inventory for immediate call-off. This stockholding, together with global Large OD threading locations, has dramatically reduced supply leadtimes.

## Easier to Deploy

Once offshore, Hunting threaded tubulars can be run in hole with standard casing rig tongs by the casing crew. No specialised equipment is required, dispensing with ancillary costs normally associated with welded connectors. Threaded casing running times match or better those of its welded competitor.





## Production Benefit

For weld-on connections, a separately forged pin connector is manufactured and inspected using MPI/dye pen. The connector is then welded to the pipe, a time consuming process that requires x-ray inspection of weld circumference.

However, when producing a threaded connection, the pin is threaded directly onto the tubular and then gauged, resulting in a simpler quality regime, in comparison to the traditional weld-on process.

A significant time saving is also generated when threading, when compared to weld-on, delivering more joints per hour.



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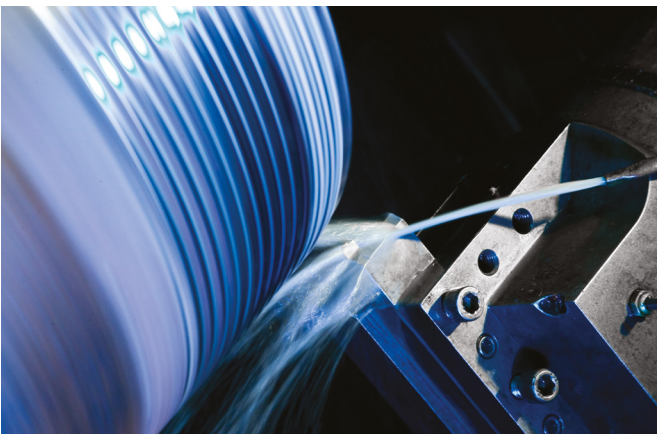
Once offshore, Hunting threaded tubulars can be run in the hole with standard casing rig tongs by the casing crew.

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## High Frequency Induction (HFI)

Developed specifically for use in high integrity onshore and offshore applications, HFI pipe is cold formed from steel strip and the manufacturing process involves “inducing” a current into the edges of the strip with the use of an induction coil, creating the weld without use of filler material.

HFI pipe is sourced from approved world mills, purchased against specific Hunting quality plans, supplemented by pre-production meetings and third party witnessing. Rigorous NDT tests assure the integrity and reliability of the product.



## HFI Pipe Benefits

With shorter leadtimes and tight manufacturing tolerances, HFI provides a cost effective alternative to submerged arc welding (SAW) / electric resistance welding (ERW) and seamless pipe for sizes 16 inch and above.

The ability to thread connections directly onto HFI removes the cost and additional inspection required when sourcing and welding connector products.

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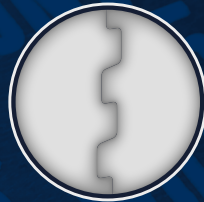
SEAL-LOCK® BOSS development included the latest computer-aided design, strenuous physical testing and stress analysis. The connection remains gas-tight when subjected to tensile loads and internal pressures that produce 100% VME pipe body stresses based on actual material yield strength.

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#### Unique pin-to-pin torque shoulder

Pins shoulder for positive torque stop and smooth bore ID.



#### Eliminate thread jump-out failure

Patented hooked thread design.

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### SEAL-LOCK® BOSS Application

For this application, in addition to API connections, Hunting offers their proprietary SEAL-LOCK® BOSS connection.

Hunting's SEAL-LOCK® BOSS is a threaded and coupled casing connection that utilises a patented hooked thread design for sealing and a unique pin-to-pin torque shoulder to provide enhanced compressive loading.

A rugged threadform and advanced connection geometry results in deep stabbing and quick make-up (20" BOSS makes-up in 25-30 seconds) without cross threading.

BOSS is unmatched where casing applications require a connection that withstands high pressure, bending, axial and torsional loads. Significant long-term cost savings can be realised by avoiding running problems, service failure and repair costs. In comparison, API Buttress is typically difficult to run, does not reliably hold pressure and is rarely re-usable.

To date the BOSS connection has gained world-wide acceptance and has been run trouble free in sizes 7 5/8" through to 20".

### Patented Hooked Thread Design

The negative-angle thread design provides an effective pin / box radial engagement while virtually eliminating thread jump-out failures. The coarse threadform stabs smoothly and eliminates chances for cross-threading.

### Unique Torque Shoulder

The controlled connection make-up allows pins to shoulder, providing a smooth bore ID and a positive torque stop.

### Optimised Design

Tapered run-out hooked threadform provides high tensile efficiencies, excellent make-and-break capabilities and positive sealing.

### Development and Testing

SEAL-LOCK® BOSS development included the latest computer-aided design, strenuous physical testing and stress analysis. The connection remains gas-tight when subjected to tensile loads and internal pressures that produce 100% VME pipe body stresses based on actual material yield strength.



**HUNTING**

'Excellence in Energy Services' for over 100 years'



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## Products and Services

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Hunting provides products and services to the world's leading national, international energy companies and oil service companies enabling the extraction of oil and gas. Manufacturing and sales locations are located in the key energy producing regions of the world.

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### Proprietary Technology

Hunting owns and develops proprietary patented products with a full range of applications below the wellhead including mud motors, premium connections, well perforating, logging and intervention tools.

### Geographic Footprint

In strategic locations around the world Hunting owns and operates plants, properties and equipment employing people to serve its global customers with local services and products.



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## Global Business Units

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OCTG and Connection Technology

Perforating Systems

Advanced Manufacturing

Drilling Tools

Intervention Tools

Subsea

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## Health, Safety, Environment and Quality Assurance

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Hunting is committed to working safely in an environmentally responsible manner. These principles are fully integrated within our Quality Management System that defines the company's global operations.

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### Quality Assurance

It is essential that products and services provided by Hunting are designed and manufactured to conform to the agreed API, proprietary licensor, or other specification of the customer, meeting their needs and expectations the first time, every time.

It is the policy of Hunting that only the highest quality products and services, that meet all specification requirements, are provided to customers. Hunting operates a corporate Quality Management System covering all worldwide locations.

### Health, Safety and the Environment

Hunting is committed to achieving and maintaining the highest standards of safety for its employees, customers, suppliers and the public. All Hunting business units consciously operate in a manner that includes environmental matters as an integral part of its business plan.

Hunting's aims are no accidents, no harm to people, and no damage to the environment.

The Hunting goal is "Total Customer Satisfaction".

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### Further Information

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#### Web

[www.huntingplc.com](http://www.huntingplc.com)

#### Email

[octg@hunting-intl.com](mailto:octg@hunting-intl.com)

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### Global Headquarters

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#### Americas

##### Hunting Energy Services Inc.

2 Northpoint Drive, Suite 400

Houston

Texas 77060-3236

USA

T. +1 281 442 7382

#### Europe / Russia / Africa

##### Hunting Energy Services Intl.

Badentoy Avenue

Badentoy Industrial Estate

Portlethen, AB12 4YB

United Kingdom

T. +44 (0) 1224 787000

#### Middle East

##### Hunting Energy Services (WI) Ltd.

Building 23, Oilfields Supply Center

Jebel Ali, P.O. Box 261929

Dubai

United Arab Emirates

T. +971 4 887 6850

#### Asia Pacific

##### Hunting Energy Services Pte Ltd.

2, International Business Park

#04-13/14 The Strategy Tower 1

609930

Singapore

T. +65 693 31777



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