



*Casing
Depth
Solutions*



Casing Depth Solutions

At ERA we pride ourselves in providing our clients solutions in both product and service that best suits your requirements.

From rotating your casing string with all the right tools to rotating only the shoe we provide you with the most suitable solutions your down hole and budgetary considerations allow.

At ERA we don't just sell you products. We provide you with best in market , best value products that we have run and tested in field ourselves and back that up with field expertise and knowledge.

Products that have stood out in performance, innovative design, value to customer, reliability in field are all included in this one stop solutions environment for casing rotation, shoe only rotation, string strengthening, centralisation and tubular sourcing.

So from procurement to installation, rotation to centralisation, reaming and drilling your way to TD we solve your problems with the BEST products and personnel on the market.

Efficiency in the construction of your well is always our focus.

We prove it every time.

**Owner / Director
ERA Oilfield Services**



Rotate the casing string



Best in market, Volant CRT range of casing running tools allow for casing string rotation, reaming and drilling operations.

ERA bring proven Volant CRT field experience in:

*Top Hole Level 2 Casing Drilling
17 ½ hole Casing Drilling Level 3
12 ¼ hole Extreme Reaming
CRT casing running operations with and without rotation
Approx 100,000m RIH without incident by ERA
Operational safety and training*

Volant CRTi Advantages include:

Make up, break out, fill, circulate, reciprocate with one tool

Reduce costs and numbers of personnel – increased safety !!

Reduced Manual Handling – increased safety !!

Remove a stabber from the derrick – increased safety !!

Best Rig Up and Rig Down times over competitors tool systems

Combines Torque Turn Capability

Load rated to maximum 660T





Strengthen the casing string



MLT RINGS

Central to the ability to rotate API threaded casing are VOLANT MLT RINGS.

Multi – Lobe Torque Rings are designed to provide a positive shoulder in an API threaded casing or tubing connection and improve the torsional strength of the connection. I

In simple terms, for example, a 9 5/8 BTC connection can be torqued up to 49,000 ftlbs as opposed to approx 9,000 ftlbs without torque rings.



Proven applications:

Casing rotation, reaming or drilling – improved torsion strength in connection.

Production tailpipe – improved flow characteristics for produced fluids

Production strings – prevents back off of tubing with PCP's in use

Work strings – prevents over torquing, reduces re-cuts and connection failure

Reduces erosion – removes J-section in API connection, improves flow path

Increases tubing lifespan – reduced erosion means reduced work overs

ERA provide sales, installation and rig site services for MLT rings to ensure you get to depth with simple and easy Installation both at rig site and pipe yard.



Centralize the casing string



HYDROFORM CENTRALISERS

With the axial loads placed on centralisers during casing drilling, reaming and rotation its always good to know you have a zero failure option.

***ZERO FAILURE
HISTORY !!!***



Specifically designed for improved casing rotation, minimised torque and drag, improved cementation bond and better all round well integrity to allow you to get your casing to where it needs to be.

ERA provide sales and engineering services to ensure you get the correct premium centralisers in the correct position to prevent casing buckling or centraliser failure as part of our casing depth solutions package. (Other centralization product options are also available)



Rotate the casing shoe



Longhorn Casing Tools

Helical drive casing shoes designed for use on both CRT run strings and conventionally run casing strings.

Works via pump pressure and set down weight to induce shoe rotation. No string rotation.

Rotates past obstacles, clears fill and debris, enjoys 98% field success rate, fast drill out times, variety of nose profiles to suit down hole conditions.

Proven in field with over 200 runs to date.

Applications:

Casing, Liner, screens, completions running.

The Stubby Model: 1.5 turn rotation, fast drill out under 1 hour. Metallurgy to suit client. Float valve optional.



The Ledgemaster Model: 0.75 turn rotation, eccentric, drill out 30 minutes, aluminium alloy. No float valve option.



The Fill Drill Model: Original model with maximum stroke length. Ream tight spots and clear debris. Various nose profiles. Float option.





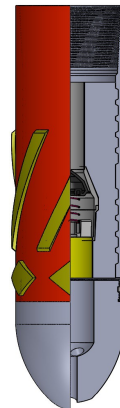
Casing Reaming Tools



ERA HI-TORQ PILOT REAMING ASSEMBLY

Specifically designed by ERA to meet all the design requirements of clients:

- *cost effective*
- *hi torque BTC connections with torque ring profile (patent pending)*
- *hi torsional strength*
- *tungsten carbide reaming cutters*
- *reduced torque in reaming*
- *consists of reamer shoe pilot and under reaming pup joint*
- *float valve single or double options*
- *designed to permit full centraliser passage during reaming*
- *used in casing string rotation with CRT*
- *constructed to API, ISO and NS1 standards*





Casing Reaming Tools



Longhorn SMART BITS

With maximum design options the SMART BITS range of casing shoes can be custom made to suit your well conditions.

- *numerous bit profiles (reamers, cutters, eccentrics and hybrids)*
- *eccentric options*
- *metallurgy options*
- *PDC drillable range*
- *float assembly industrial aluminium alloy*
- *plunger thermal polymer coated*
- *designed with casing string rotation in mind*



Full Selection of Casing Bit Nose Profiles



Casing Procurement

ERA provide sourcing services for a wide range of API casing requirements from conductor to tubing.

With a network of suppliers we can provide best quality at best value with our own ERA Factory QA service as optional.

All manufacturers are API certified in manufacture and threading disciplines. All are independently ISO certified and all have a proven track record in supply of OCTG to the global O&G market.



Other string accessories

ERA provide a full range of tools to complete your casing string installation including:

- centralisers of various types*
- cement plugs, cement heads and dart systems*
- float collars standard and non rotating styles*
- cement baskets and scratchers*
- standard float shoes with single and double valve options*
- handling tools sale and rental*



Contacting ERA

To contact Casing Depth Solutions at ERA Oilfield Services, to discuss how we can bring best service provision and best value to your operation from start to finish please contact us at:

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