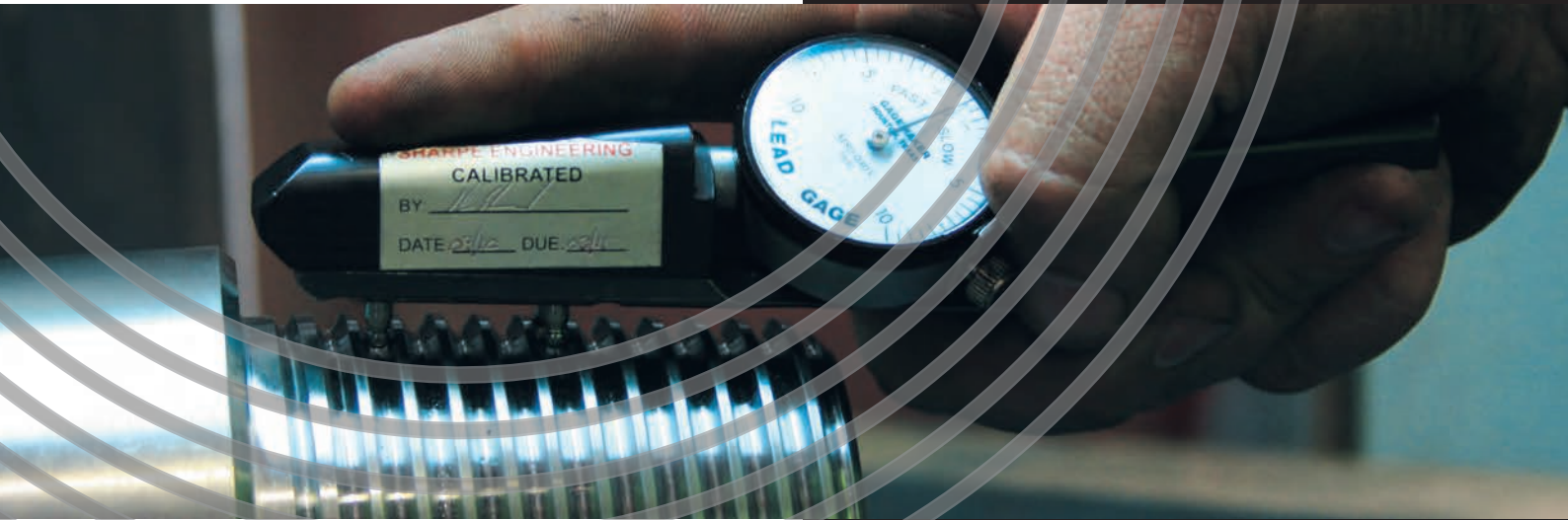




**Drilling Focused
Resources and Energy Specialists**

www.sharpeengineering.com.au





ABOUT SHARPE ENGINEERING

Sharpe is a drilling focused resource and energy specialist.

Since 1995, Sharpe has been providing clients with quality driven solutions in the manufacturing, service and repair of drilling related tools and equipment.

Sharpe's clients include operators, contractors and service providers across the resource and energy sectors.

Our Roma facility boasts Australia's largest threading capacity and is complimented by a second facility in Brisbane.

Sharpe is a privately owned family business who understands the need to deliver timely long-term service. Our success comes from loyal client relationships and the commitment and dedication of our staff.

Our team provides 'on-call' 24-hour, 365 days a year support to our clients. This service improves our client's competitiveness by minimising equipment downtime and maximising operational efficiency.

Sharpe's management team lead experienced and dedicated tradesmen in providing quality products; manufactured with absolute precision. Our team is committed to delivering a service-level that exceeds our client's expectations.

SERVICES

Sharpe offer a broad range of oilfield workshop services to our clients, these include:

Drilling:

- 2 x Mobile Hardbanding Units & Pipe Straightening Service
- Bucking (Torque-Turn Monitoring) for making up of Bottom Hole Assemblies, Couplings, Packer Assemblies, Cement Assemblies Etc.
- Sawing of Tubulars
- Break-out Service
- Pipe & Tool Management
- Repair of Flanges (Double Studded Adaptor Flanges Etc.)
- BOP (Blow Out Preventer) Testing & Refurbishment
- Pressure Testing to 20,000PSI
- Crimping & Swaging (Mobile Unit)
- ASMI IX Welding
- MPI & Radiograph (3rd Party)

Completions:

- Drive Head & Rod Lock Servicing
- Wellhead Servicing
- Valve Servicing
- Completion Tool Servicing
- Torque Anchors – Supply & Service
- Magnum Tools – Supply & Service



FOCUSED
RELIABLE
RESPECTED

TUBULAR PRODUCTS

Sharpe manufacture and repair casing and tubing on a range of oil country tubular goods (OCTG). Sharpe is licensed to thread API (American Petroleum Institute) tubulars and hold multiple licenses for machining and repair of international premium threaded connections.

Sharpe has the ability to manufacture and repair tubulars in a timely manner in sizes ranging from 2-3/8" to 16" OD.

Tubular connections manufactured or repaired by Sharpe are gauged and inspected to meet the relevant standards by our highly trained quality inspectors.

All tubular products can be phosphated and come in casing racks with thread protectors to offer a rig ready solution.

Sharpe are licensed and hold gauges for the following tubular connections:

- API - BTC, LTC, STC, NUE, EUE
- SFJ® (up to a max of 10-3/4" OD) *
- SPFJ® (up to a max of 2070" OD) **
- MetalOne - FLUSHMAX, FLUSHMAX III, SUPERMAX & GEOCONN
- Rope Threads
- HW, HWT, PT, PWT
- NPT and BSP

* Sharpe Flush Joint® (SFJ®) is our proprietary patented semi-premium flush joint connection. SFJ® is a rugged gas tight casing/ tubing connection with a shallow taper specially designed for thin wall pipe.

** Sharpe Premium Flush Joint® (SPFJ®) is our proprietary patented semi-premium flush joint connection utilised in the resource and energy sector.

TOOLS AND ACCESSORIES

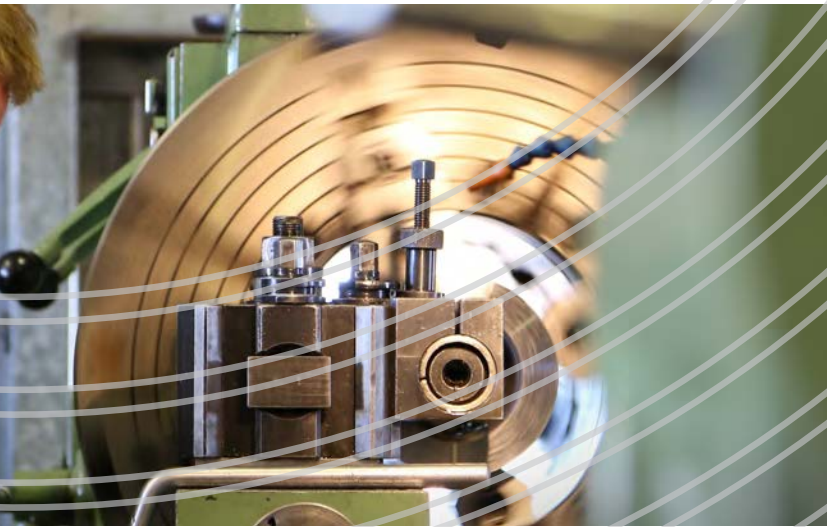
Both Sharpe's Roma and Brisbane facility offer clients quality machining, threading and repair of drilling tools and accessories for clients drilling with casing/ tubing.

Sharpe have the ability to manufacture client's designs or have an in house engineering team who assist with custom designed tools or accessories.

Sharpe deliver clients piece of mind by enforcing a strict zero defects policy on all machined products. All tooling and accessories are issued to the client with a MDR (Manufactures Data Report) detailing a product's individual serial number with full material traceability.

Sharpe manufactures and repairs the following tools:

- | | |
|-----------------------------|---|
| • Casing Pup/Landing Joints | • Float Shoes |
| • Crossover/Saver Subs | • Float Collars |
| • Casing & Tubing Swages | • Landing Joints |
| • Casing & Tubing Nipples | • Casing Drive Subs (Light/ Heavy Duty) |
| • Casing Drifts | • Test Caps |
| • Casing Blast Joints | • Test Plugs |
| • Casing Hangers | • Casing Lift Cap |
| • Gas & Torque Anchors | • NPT Nipples |
| • Casing Centralizers | • Couplings (Suit All Casing Grades) |
| • Drive Shoes | |



DRILL PIPE REPAIR & THREADING

Sharpe utilise manual and CNC lathes for just-in-time manufacturing and repair of the following:

- Drill String Equipment
- Heavy weight drill pipe (HWDP)
- Drill Collars

Sharpe holds licences for the following premium licence drill pipe threaded connections:

- API – REG, IF, FH
- Grant Prideco XT, HT & GPDS
- DP Master - DPM-MT & DPM-DS
- Command - CDS
- Hilong Special - HLST & HLDS

DRILLING TOOLS

Sharpe manufacture, service and repair the following specialty drilling tools:

Subs

- Bit Subs
- Crossover Subs
- Lift Subs
- Drive Subs

Adaptors

- Double Studded Adaptors
- Flanged Adaptors
- Drilling Spool Adaptors

Fishing Tools

- Mills
- Baskets
- Jars
- Magnets

PRECISION QUALITY-FOCUSED EXPERTISE



QUALITY

Sharpe are process-driven and systems-focused.

Sharpe has heavily invested in our Quality Management System (QMS) and Enterprise Resource Program (ERP) These systems provide a structured and benchmarked framework to ensure product and service excellence.

Sharpe maintains a zero defects policy as we understand the risks associated with how our equipment is used in both the energy and resources sectors. Our quality certifications are listed below.

Sharpe's API Certifications:

- API Q1 - Licenses Sharpe to manufacture, repair and remanufacture casing pup joints, accessories and drill stem elements.
- API Spec 5CT - Licenses Sharpe to undertake the manufacture of casing or tubing, accessories and API threaded connections.
- API Spec 7-1 - Licenses Sharpe to manufacture or repair drill stem subs and undertake threading on rotary shoulder connections.

APIQR Registration No. Q1-1410 For API Spec Q1

APIQR Registration No. 1586 For ISO 9001 2008

Exclusion Section 7.3, Design Development

OUR QUALITY CERTIFICATIONS & LICENCES:



5CT 1545
7-1-1065



Cert. No. Q1-1410



Cert. No. 1586



Supplier No. 058913



EQUIPMENT

- 15 x CNC Oil Country Lathes
- 8 x Manual Oil Country Lathes
- Horizontal Borer
- Vertical Borer
- Milling Machine
- Shaping Machine
- Bandsaws
- Radial Drills
- 2 x Overhead Gantry Cranes
- Welding Facilities
- 20,000 PSI Pressure Testing Facilities
- 3 Station BOP Closing Unit
- Break-Out Unit (With Torque Turn Reporting)
- 11-3/4" Bucking Unit
- Completions Equipment Production Line
- 2 x Mobile Hardbanding Units
- Pipe Straightener
- Mobile Swaging/Crimping Tool

AGENTS/DISTRIBUTORS FOR:



Authorised Distributor & Authorised Repair Facility
 TorqStopper™ Torque Anchors, Spin Through Rod Couplings, PCP Stabilizer, On/OFF Tool
www.advantageproductsinc.com



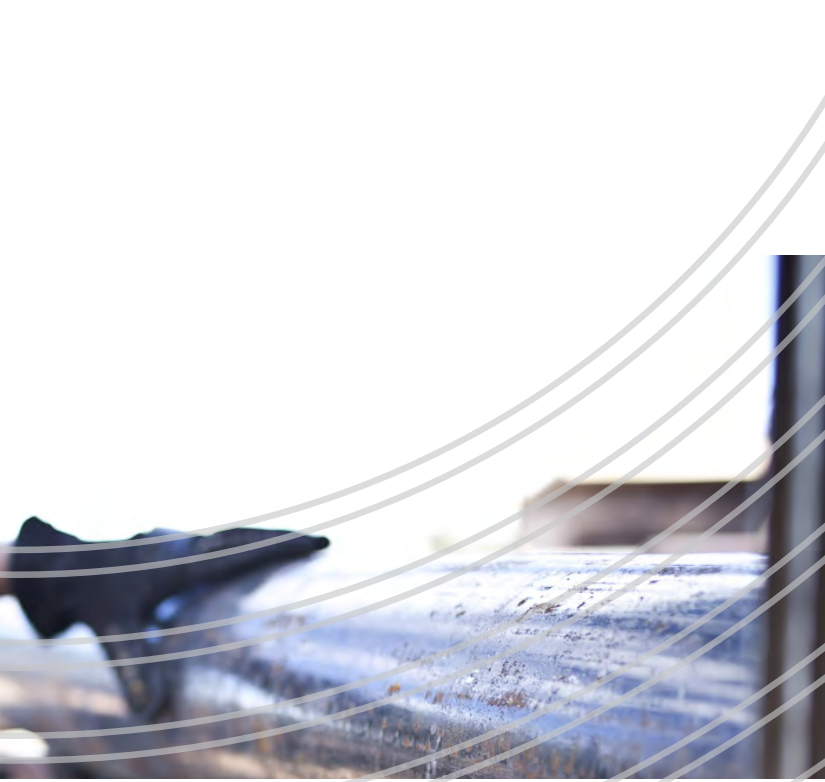
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Stockist and Authorised Repair Facility
 Fishing Tool Rental, Drill String and BHA Rental, Handling Tools, Well Control Equipment Rental
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Licensed Distributor and Repairer
 CRTi™ and CRTe™ Casing Running Tools, HydroFORM™ Centralizers, DeltaTORQ™ Torque Rings
 On-site mobile crimping and swaging tool.
www.volantproducts.ca



CREDIBLE INNOVATIVE SOLUTION-FOCUSED

HARDBANDING

Hardbanding is the process of depositing hardfacing alloys in the form of wear-resistant bands to protect both casing and the drill string from abrasive wear. Hardbanding is generally applied to the box end of the drill pipe joint using MIG welding process allowing the hardbanding alloy to be bonded with the existing steel of the drill pipe.

Sharpe's Hardbanding service operates as a fully mobile unit. Drilling components commonly hardbanded include:

- Drill Pipe
- HWDP (Heavy Weight Drill Pipe)
- Drill Collars
- Tool Joints

Sharpe can apply customers choice of Hardbanding consumable and are a licensed applicator of the following:

- Arnco
- Postalloy® Duraband®
- Postalloy® Tuffband®
- NOV Tuboscope

BUCKING

Sharpe's services include the CLINCHER® TYPE III Bucking unit. It is the premiere bucking unit specifically designed to make and break premium thread connections on all oil country tubular goods. The unit is fitted with a WinCatt Torque/Turn Monitoring System and outputs Torque/turn readings in OD Micrometers 0 – 42".

Our bucking unit is ideally suited to the bucking of:

- Pup joints
- Couplings
- Bottom hole assemblies
- Completion Equipment
- Packer assemblies
- Stage tools
- Cement assemblies etc.

Sharpe also offer break-out services on drilling equipment typical of above.

SOME OF OUR CLIENTS: OIL & GAS



SOME OF OUR CLIENTS: MINERAL RESOURCES



OUR INDUSTRY ASSOCIATIONS:

