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Forward Together™

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V001.2602.EN.GL

Tube & Pipe

QH Quantol™ Maintenance Lubrication

Precision-Formulated Lubricants for the Tube and Pipe Industry

Brought to you by

Quaker Houghton™
Forward Together™

Quaker Houghton™
Forward Together™

The Tube and Pipe Industry's Long-Standing, Trusted Partner

Quaker Houghton helps production facilities around the world produce the highest quality tube and pipe at the lowest total operating costs – reliably, safely, and sustainably. Our end-to-end portfolio, combined with our deep knowledge of metal processes, means we solve challenges our competitors can't.

With plant-level insights, robust supply chains, and genuine innovation, we keep our customers ahead in a changing world.

250+
tube and pipe customers supplied globally

35
manufacturing locations worldwide

3%
of revenue invested in R&D annually

Our extensive portfolio supports every step of your tube and pipe production process:

- Rolling fluids
- Metalworking fluids
- Corrosion preventives
- Surface treatments
- Coatings
- Hydraulic fluids
- Industrial lubricants
- Greases
- Cleaners

QH Quantol™

While You Switch Off, Everything Keeps Running

In demanding tube and pipe production environments, continuous operations and extreme conditions push equipment to its limits. Our teams have valuable hands-on experience in your industry, so we know what's at stake – and what it takes to keep you ahead.

QH Quantol™ maintenance lubricants build confidence into your operations – protecting equipment, preventing failures, and driving long-term productivity. Our products are not only developed and supported by specialists, but they're also validated by robust data and real-world performance. That's why QH Quantol™ delivers reliable, consistent results and resilience for every stage of tube and pipe production, including your most critical applications.

The Power of Four

Our unique methodology centers on the Power of Four: temperature, load, speed, and water resistance. By analyzing these core demands, we match the right QH Quantol™ product to your application, so you can enjoy:

- A straightforward and consistent approach to product selection.
- Solutions that precisely fit your operational realities.
- User confidence through transparent recommendations.

We can also advise you on how much product to apply and relubrication intervals, helping you avoid under- or over-lubrication, cut waste, and lower costs.

Did you know that around **50%** of **bearing failures** are **caused by improper lubrication?**

Temperature resistance

If the grease can't withstand the heat, it will dry out, crack, and burn, causing bearing failure.

Load carrying capacity

Without sufficient load protection or shock resistance, the bearing will wear prematurely and could seize.

High speed applicability

High mechanical stability is required at high speeds, to avoid the grease shearing and leaking from the bearing.

Water resistance

In wet environments, grease must withstand contamination and washout to avoid under-lubrication or excessive consumption.

QH Quantol™

Essential Products for the Tube and Pipe Industry

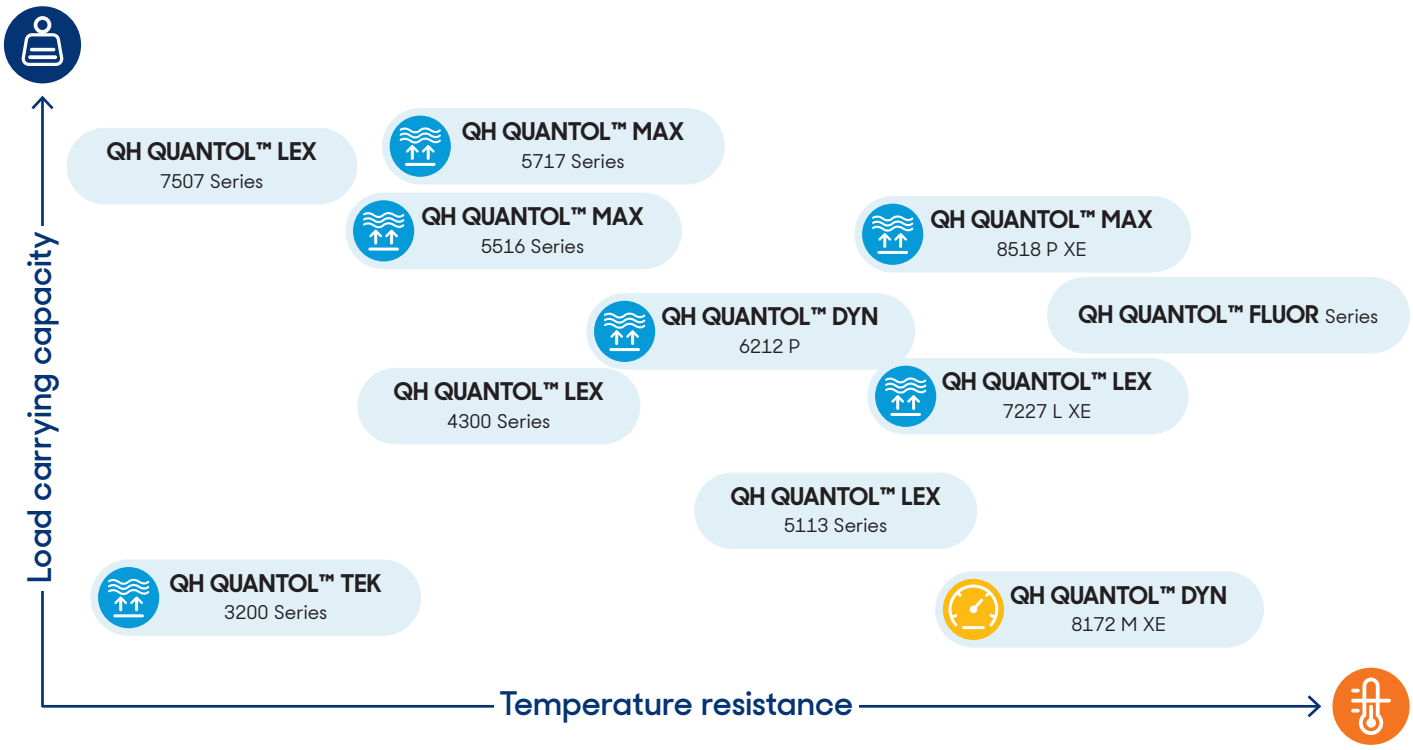
Wherever you are and whatever your process or equipment, we keep your operations running.

To explore our full portfolio and application information, ask us for our product line card. We also offer complementary services and technology solutions tailored to local markets. Your Quaker Houghton representative will gladly provide more details.

Our rigorous quality testing exceeds industry standards, ensuring consistent performance with every order.

QH Quantol™ products meet the specifications of **all major OEMs**

Our Greases



Temperature resistance

High speed applicability

Load carrying capacity

Water resistance

Our Oils

Hydraulic oils	Mineral	QH QUANTOL™ DRIVE AW Series
		QH QUANTOL™ DRIVE HV Series
	Fire resistant	QUINTOLUBRIC® Series
Gear oils	Mineral	QH QUANTOL™ GEAR Series
	Extended service life -40 to 140°C	QH QUANTOL™ GEAR SH Series
	Severe load and temperature -20 to 160°C (peaks up to 180°C)	QH QUANTOL™ GEAR PG Series
Circulating oils	Danieli, No-Twist	QH QUANTOL™ LUBE Series
	Morgoil type – high demulsibility	QH QUANTOL™ LUBE HM Series
Slideway oils		QH QUANTOL™ WAY Series
Compressor oils		QH QUANTOL™ AIR Series
Chain oils		QH QUANTOL™ CHAIN Series
Spindle oils		QH QUANTOL™ SPIN Series

Performance
Where It Matters Most

Tube and pipe production places immense demands on equipment and lubricants. The most critical lubrication points are those posing the highest risk of downtime, quality loss, or process bottlenecks. QH Quantol™ products meet those hazards head-on, delivering dependable performance where it counts. Browse our curated selection to find the optimal solution for these sensitive applications.

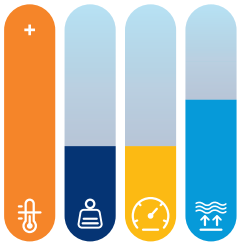
Challenge: High Temperature Processes

Casting | Reheating | Piercing | Elongating

Our Recommendations

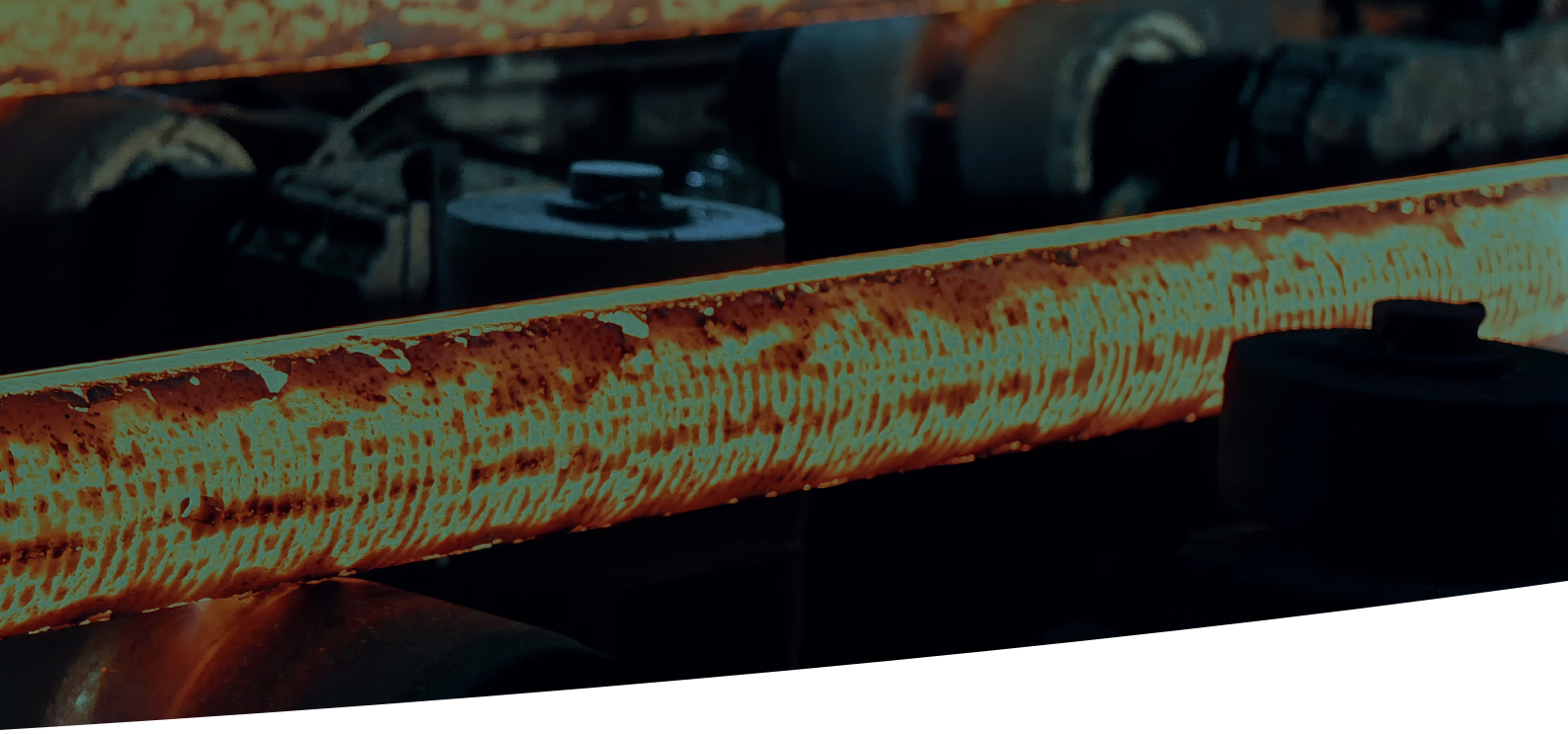
QH QUANTOL™ LEX 7227 L XE
Synthetic Lithium Complex Grease

- Maintains a uniform film thickness, maximizing relubrication intervals and reducing product consumption.
- Outstanding water repellency prevents changes in consistency, even when exposed to very large volumes of water.
- Delivers high oxidation resistance and shear stability.



QH QUANTOL™ FLUOR Series
PTFE (Fluorinated) Grease

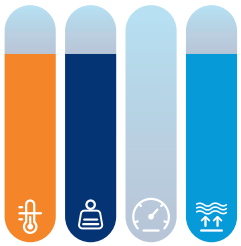
- Extremely thermally stable grease extends lubrication intervals in applications up to 300°C.
- Exceptional oxidation resistance provides high level of cleanliness.
- PTFE maintains high anti-wear protection.



Challenge: Avoiding Lubricant Film Failure at High Loads

Stretch-reducing mill drive gearbox | Open gears | Gear couplings

Our Recommendations

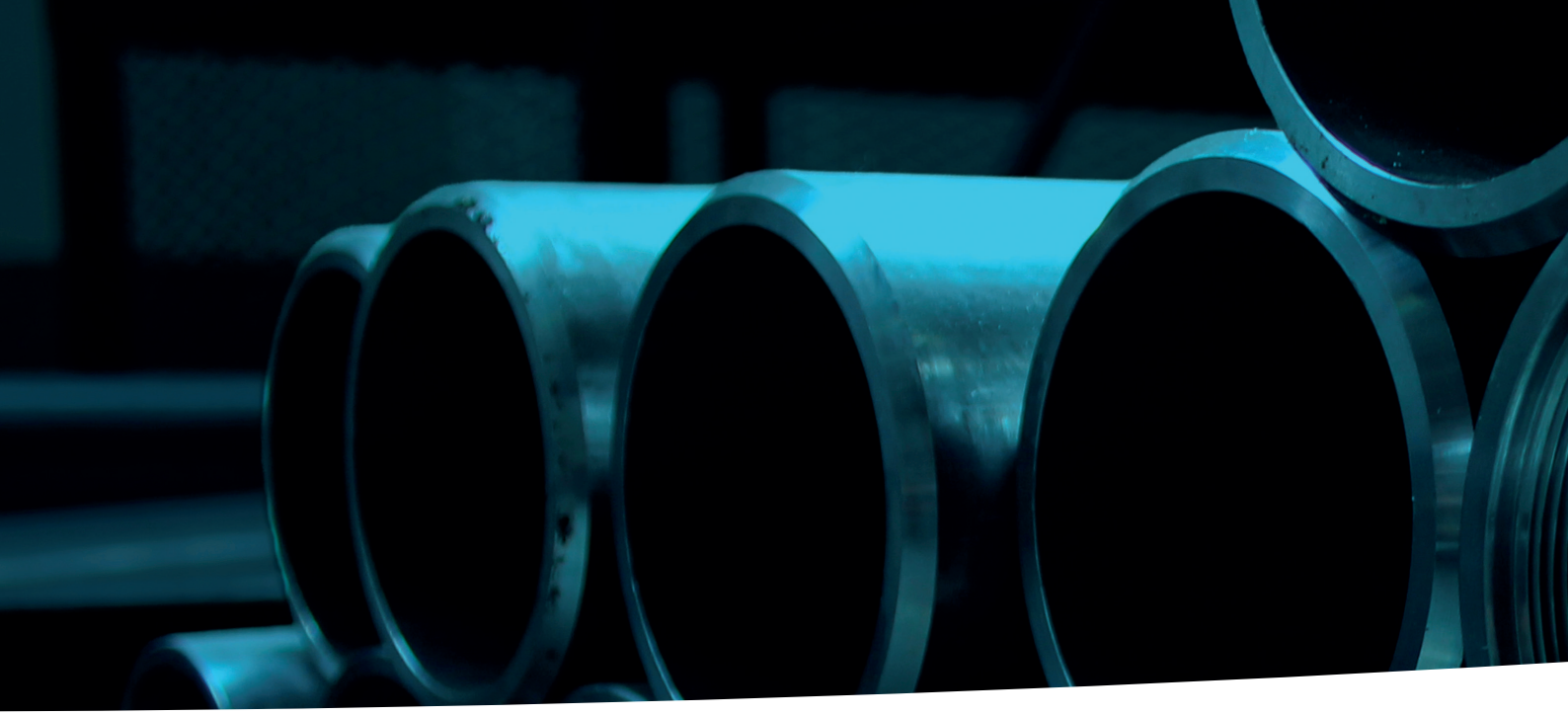


QH QUANTOL™ LEX 7507 M
Heavy-Duty Lithium Complex Grease

- High viscosity base oil and solid additives protect against heavy load and shock loading.
- High adhesivity on metal surfaces.
- Acts as a sealant to prevent ingress of contaminants.

QH QUANTOL™ MAX 5717 M
Heavy-Duty Calcium Sulfonate Grease

- Solid additives protect against extreme pressure and shock loading.
- Outstanding resistance to washout – maintains consistency even with 20% water contamination.
- Extends gearbox lifetime.



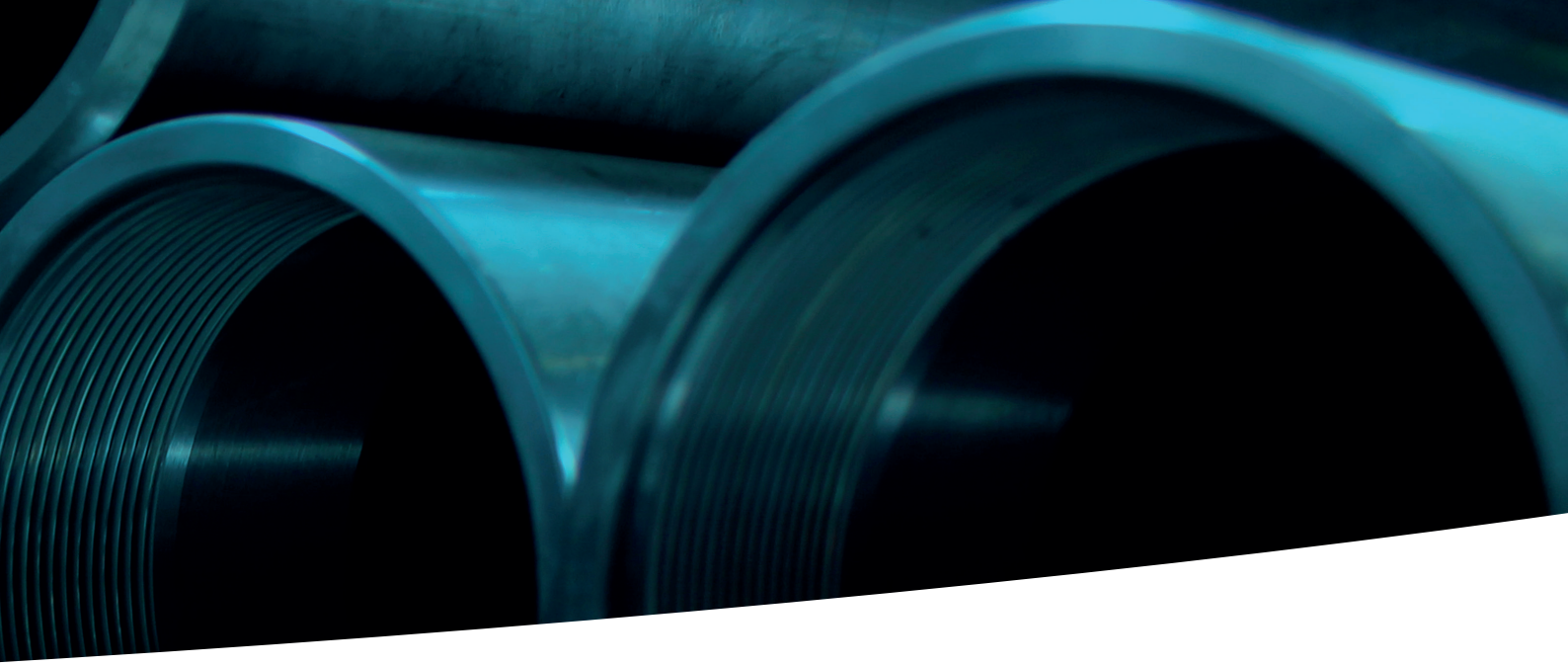
Challenge: Preventing Shear and Overheating at High Speeds

Sizing/calibrating | Straightening machines | Flying saw

Our Recommendation

QH QUANTOL™ DYN 8172 M XE
High-Speed Polyurea Grease

- Outstanding shear stability.
- Maximizes relubrication intervals in extreme temperatures – passes life assessment test FAG FE 9 at 180°C.
- Excellent corrosion and wear protection extends bearing life.



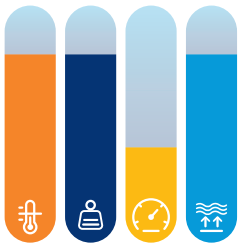
Challenge: Risk of Washout and Contamination

Forming | Pilgering | Expander | Cooling bed | Hydrotesting

Chemical incompatibility can trigger an unwelcome chain reaction: the grease softens and washes out, contaminating the emulsion. This disrupts process equilibrium and affects surface quality.

Our expertise in product technologies, combined with our extensive testing capabilities, enables us to recommend solutions for clean, reliable, and optimized tube and pipe production.

Our Recommendations



QH QUANTOL™ MAX 5516 P
High Performance Calcium Sulfonate Complex Grease

- Outstanding resistance to washout.
- Retains consistency at 20% water contamination.
- Exceptional load-carrying capacity.

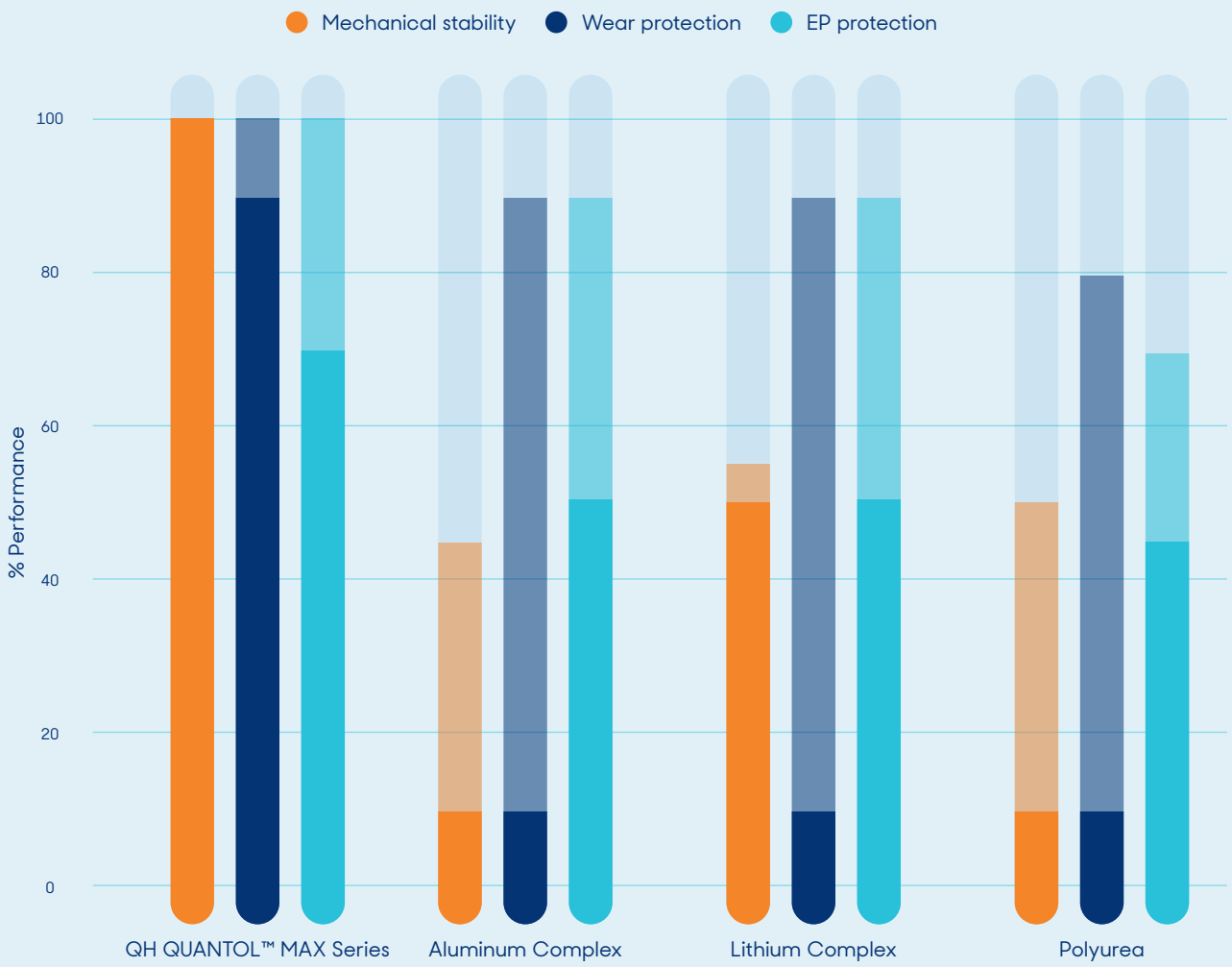
QH QUANTOL™ DYN 6212 P
Heavy Duty Polyurea Grease

- Polyurea chemistry prevents contamination in emulsion systems that are sensitive to metallic grease thickeners.
- Excellent high temperature protection with minimal residue formation.
- Superior shear stability and corrosion protection.

How QH QUANTOL™ MAX Stacks Up Against the Alternatives

QH QUANTOL™ MAX calcium sulfonate complex grease comprises flat, stacked platelets that slide over one another, providing excellent lubrication and protection against shock loading.

Grease performance before (transparent color) and after (solid color) 20% water contamination



For high-temperature, high-load applications in wet environments, QH QUANTOL™ MAX outperforms traditional lithium complex greases. At 20% water contamination – and unlike other grease technologies – QH QUANTOL™ MAX maintains **100%** mechanical stability while retaining **90%** wear protection and **70%** extreme pressure protection.

Lithium Complex vs. Calcium Sulfonate Complex

Property	Calcium Sulfonate Complex	Lithium Complex
High temperature stability	●●●	●●●
Extreme pressure properties	●●	● + additives
Corrosion protection	●●	● + additives
Water resistance	●●●	●●
Low temperature pumpability	●	●●●
High speed applications	●●	●●●

Fire-Resistant Lubricants For High-Risk Environments

Safety Without Compromise

QUINTOLUBRIC® 888
An HFDu-type polyol ester hydraulic fluid

- Reduces fire risk and provides excellent lubrication and corrosion protection.
- Long service life, with outstanding thermal and shear stability.
- Factory Mutual Approved and OEM endorsed.

QUINTOPLEX™ LXS 1002 EP
A fire-resistant, multi-purpose grease

- Reduces fire risk and protects equipment from extreme pressure, shock loading, and corrosion.
- Formulated with QUINTOLUBRIC® fluid technology.

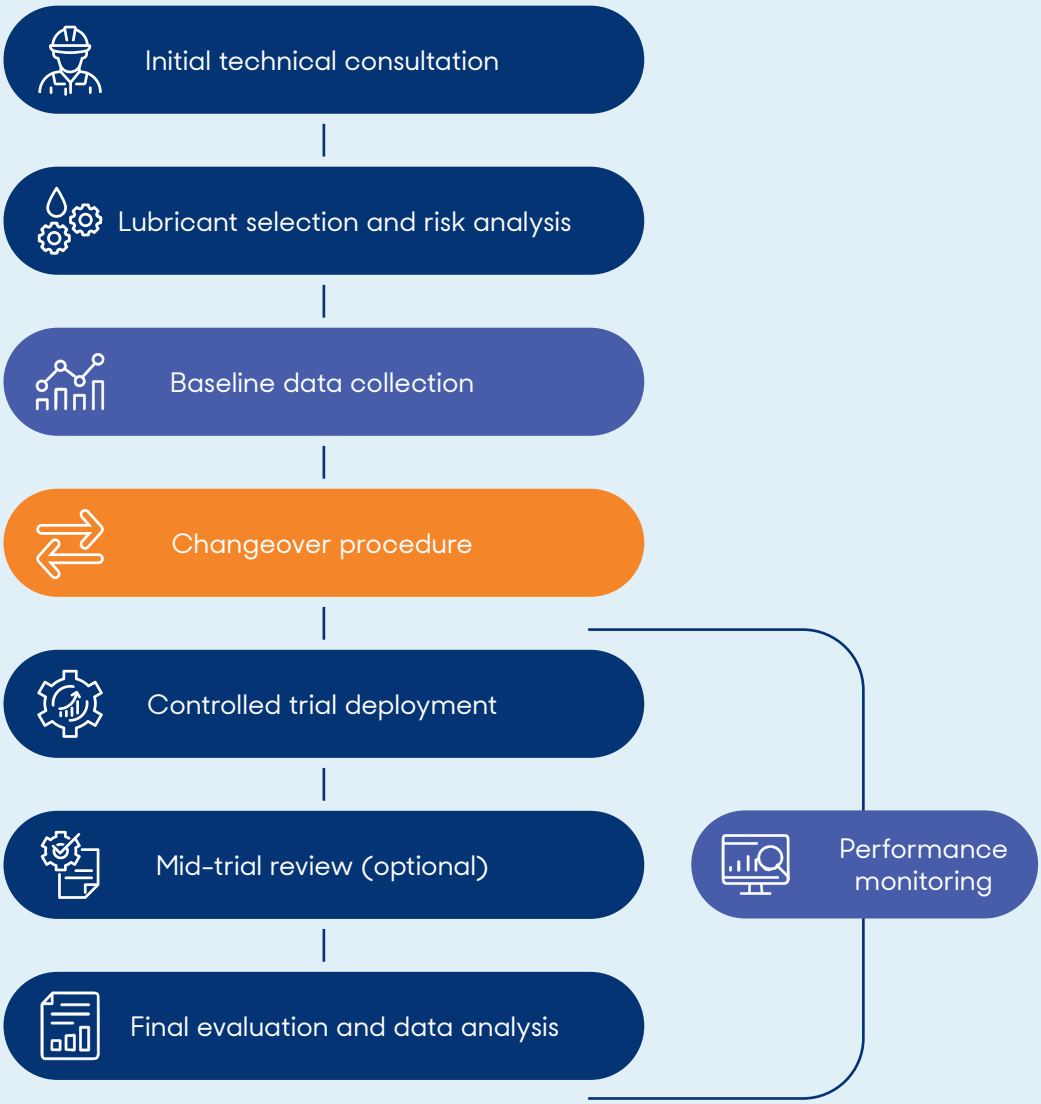
Watch how QUINTOLUBRIC® resists fire.

The Quaker Houghton Difference

At Quaker Houghton, we're much more than a supplier to the tube and pipe industry – we're your collaborative partner, deeply invested in your long-term success. We build lasting connections by being proactive, accessible, and responsive. That's why you'll always reach real people with real expertise – whether it's a routine question or a production-stopping emergency, you'll speak to a knowledgeable colleague, not a chatbot.

Ready to Move Forward?

From a fresh perspective and troubleshooting to a supported trial, our specialist team brings not only experience but passion.

Contact us to arrange a face-to-face or online meeting and experience the Quaker Houghton difference for yourself.

Your QH Quantol™ Eight-Step Plan to Maximum Uptime