

DIE CASTING PRODUCT LINE



Die SLICKY 15 Series Diluted on application, Water Based Heavy dury lubricants for general die carting applications. Exceptional wetting and flow characteristics Diluted on application. Water Based Heavy dury lubricants for general die carting applications. Exceptional wetting and flow characteristics Diluted on application. Water Based High performance was free lubricants for use with optimised proxy processes. Permitten addition mediate mediate and production. Water Based High performance was free lubricants for use with optimised proxy processes. Permitten additional mediate mediate properties, whilst reducing die build up High performance silcunes free release appeals was for use with optimised proxy processes. Permitten additional products and release properties, whilst reducing die build up High performance silcunes free release appeals do resident and products of the second of a centre of permitten during processes products the use of allowance products of the use of a classing structural parts High performance silcunes free release appeals and providing processes products the use of allowance products of the second products of first and centre of the products of first outcomes of the centre of the products of first outcomes of the centre of the products of the centre of the products of the centre of the products of the centre of the cen	PRODUCT	CATEGORY	DESCRIPTION The state of the s
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DIE SLICKY AF Series Diluted on application, Water Based A range of Lubricants with formulations optimized for the demanding post casting processes preclude the use of siloxane products DIE SLICKY SS Series Diluted on application, Water Based A range of predicts of the demanding post casting processes preclude the use of siloxane products DIE SLICKY AG Series Diluted on application, Water Based A range of predicts of casting attructural ports DIE SLICKY AG Series Diluted on application, Water Based A range of predicts offers customers Smart Polymer Technology in a form that eliminates the need for wastewater treatment. Water free oil-based lubrication solutions that bring significant advantages to the oustomer in die cast performance. Die SLICKY AI Series Zinc Casting Applications DIE SLICKY AI Series Zinc Casting Applications Lubricants formulated to meet the specific needs for zinc die casting applications. Usbridants formulated to meet the specific needs for zinc die casting applications Plunger Lubricants Plunger SLICKY V Series Water Series Water-Free Lubricants Water-Free Lubricants formulated to meet the specific needs for zinc die casting applications Plunger SLICKY V Series Water-Serie Lubricants Bead Lubricant and free selety per formance over inhered all products PLUNGER SLICKY V Series Series Scili Bead Lubricants Bead Lubricants and Series Series Series Scili Bead Lubricants Bead Lubricants and Series Series Bead Lubricants Application Bead Lubricants and Series Series Plunger Lubricants Water-Dead Bulleton and fire selety per formance over inhered all products PLUNGER SLICKY Paries Series Scili Bead Lubricants Plunger Lubricants Application Bead Lubricants Application Bead Lubricant Application Plunger Lubricant Application Fill between Advanced mobile lubricant Application Fill	DIE SLICK® 45 Series	Diluted on application, Water Based	Heavy duty lubricant for demanding die casting operations. Superior performance with increased lubricity
DIE SLICK* SS Series Diluted on application, Water Based A range of lubricants with formulations optimized for the demands of casting structural parts DIE SLICK* SG Series Diluted on application, Water Based Minimum Quantity Lubricants, Oil Based Direction of Minimum Quantity Lubricants, Oil Based Unbricant on South Series Scription of Minimum Quantity Lubricants, Oil Based Unbricant on South Series Scription of Minimum Quantity Lubricants, Oil Based Unbricant on South Series Scription of Minimum Quantity Lubricants, Oil Based Unbricant on South Series Scription of Minimum Quantity Lubricants, Oil Based Unbricants of Series Scription Scription Series Scription Scr	DIE SLICK® AD Series	Diluted on application, Water Based	High performance wax-free lubricants for use with optimized spray processes. Premium solder resistance and release properties, whilst reducing die build up
DIE SLICK® SQ Series Dilluted on application. Water Based Minimum Charactivi Lubricants, Water Fare Side Minimum Charactivi Lubricants, Cill Based Water Fare oil-based lubrication solutions that bring significant advantages to the customer in die cast performance of Minimum Charactivi Lubricants, Cill Based Water Fare oil-based lubrications of utority to the Side Minimum Charactivi Lubricants, Water Fare oil-based lubrications of utority to the Side Minimum Charactivi Lubricants, Cill Based Water Fare oil-based lubrications of utority to the Side Minimum Charactivi Lubricants with a water fare products using potential electrostatic technology to optimize and maximize lubrication film formation and areas of simple or complex dies. Water Fare Lubricants Plunger Lubricants Plunger Lubricants PLUNGER SLICK® V Series Water Series Water Series Water Fare Lubricants Plunger Lubricants with a wide range of viscosities available to meet demanding outsomer applications. Includes latest generation of sustainable products with improved Lubrication and fire safety performance over mineral all products PLUNGER SLICK® V Series Water Series Said Based Lubricants Water-based lubricant affect in proved cavity cleanliness, reduced parosity and ease of application PLUNCAST® MINID Die Lubricant Application Basic Application Fully functional lubricant ratio manitar OH FLUIDCAST® MINID Die Lubricant Application Advanced mobile lubricant/water mixing system with PLC control of mixing and lubricants to a large number of die casting libricants. With PLC control of mixing and lubricant to a large number of die casting libricant delivery with PLM Interface OH FLUIDCAST® MOND Die Lubricant Application Full obseed lubricant Application Side lubricant Application Full obsered lubricant application syst	DIE SLICK® AF Series	Diluted on application, Water Based	High performance siloxane-free release agents where demanding post casting processes preclude the use of siloxane products
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LUBROLENE® Minimum Quantity Lubricants, O'll Based Minimum Quantity Lubricants, O'll Bosed Lubricants Formulated to meet the specific needs for zinc die casting applications Plunger Lubricants PLUNGER SLICK® V Series Water-Free Lubricants Milion performance water-free plunger lubricants with a wider range of viscosities available to meet demanding customer applications. Includes latest generation of sustainable products with improved lubricantian with a wider range of viscosities available to meet demanding customer applications. Includes latest generation of sustainable products with improved lubricant and invert emulsion technology to offer an optimized balance of lubricity and fire safety PLUNGER SLICK® P Series Solid Bead Lubricants Bead lubricant sign standard and invert emulsion technology to offer an optimized balance of lubricity and fire safety PLUNGER SLICK® P Series Solid Bead Lubricants Bead lubricants offer improved covity cleonliness, reduced porosity and ease of application PLUNGER' RMINIO Die Lubricants - OH FLUIDCAST** QH FLUIDCAST** MINIO Die Lubricant Application Fully functional lubricant ratio monitor QH FLUIDCAST** MONO Die Lubricant Application Basic lubricant/water mixing system with PLC control of mixing and lubricants delivery with HMI interface QH FLUIDCAST** MAX Die Lubricant Application Centralized lubricant/water mixing system with PLC control of mixing and lubricants. With PLC control of mixing and lubricant delivery with HMI interface QH FLUIDCAST** MAX Die Lubricant Application Full elebrosatic lubricant application system offering PLC control to a large number of die casting lines QH FLUIDCAST** DLA Die Lubricant Application Full elebrosatic lubricant application system offering PLC control and lubricant delivery through a Quaker Houghton designed and supplied spray head. QH FLUIDCAST** PLA Plunger Lubricant Application Full elebrosatic lubricant di	DIE SLICK® AQ Series	Water Based	To meet environmental concerns the AQ range of products offers customers Smart Polymer Technology in a form that eliminates the need for wastewater treatment.
DIE SLICK® XI Series Zino Casting Applications Lubricants formulated to meet the specific needs for zino die casting applications Plunger Lubricants PLUNGER SLICK® V Series Water-Free Lubricants High performance water-free plunger lubricants with a wide range of viscosities available to meet demanding outsomer applications. Includes latest generation of sustainable products with improved lubrication and fire sofety performance over mineral oil products PLUNGER SLICK® W Series Water Based Lubricants Water-based lubricant using standard and invert emulsion technology to offer an optimized balance of lubricity and fire safety PLUNGER SLICK® P Series Solid Bead Lubricants Bead lubricants offer improved cavity cleanliness, reduced porosity and ease of application PLUIDCAST® RM100 Die Lubricant Application Fully functional lubricant ratio monitor GH FLUIDCAST® QD Die Lubricant Application Basic applicator for squeeze casting lubricants GH FLUIDCAST® Die Lubricant Application Advanced mobile lubricant/water mixing system vith PLC control of mixing and lubricant delivery with HIMI interface GH FLUIDCAST® NAX Die Lubricant Application Full oil based lubricant/water mixing system with PLC control of mixing and lubricants. With PLC control of mixing and lubricants to a large number of die casting lines GH FLUIDCAST® Die Lubricant Application Full oil based lubricant/water mixing system with PLC control of a lorge number of die casting lines GH FLUIDCAST® Die Lubricant Application Full oil based lubricant application system offering PLC control of accurate lubricant delivery through a Quaker Houghton designed and supplied spray head. GH FLUIDCAST® PLA Plunger Lubricant Application Full electrostatic lubricant application system offering PLC control of hubricant delivery through a Quaker Houghton designed and supplied spray head. GH FLUIDCAST® PLA Plunger Lubricant Application Low cost liquid lubricant dispensing unit GH FLUIDCAST® PLA Plunger Lubricant Application Full electrostatic lubricant dispensing unit	DIE SLICK® AH Series		Water free oil-based lubrication solutions that bring significant advantages to the customer in die cast performance
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QH FLUIDCAST™ PLA 100 Plunger Lubricant Application Fully functional die lubricant applicator with PLC control and HMI interface	Equipment for Die Casti QH FLUIDCAST™ RM100 QH FLUIDCAST™ SQ QH FLUIDCAST™ MINI QH FLUIDCAST™ MONO QH FLUIDCAST™ DUAL QH FLUIDCAST™ MAX	ing Lubricants - QH FLUIDCAST Die Lubricant Application	Fully functional lubricant ratio monitor Basic applicator for squeeze casting lubricants Basic lubricant/water mixing system to achieve required dilution ratios for water-based lubricants Advanced mobile lubricant/water mixing system with PLC control of mixing and lubricant delivery with HMI interface Advanced mobile lubricant/water mixing system with dual outputs that can be used for water based or lubricants. With PLC control of mixing and lubricant delivery with HMI interface Centralized lubricant/water mixing system with PLC control to delivery lubricant to a large number of die casting lines
	Equipment for Die Casti QH FLUIDCAST™ RM100 QH FLUIDCAST™ SQ QH FLUIDCAST™ MINI QH FLUIDCAST™ MONO QH FLUIDCAST™ DUAL QH FLUIDCAST™ MAX QH FLUIDCAST™ MQL	ing Lubricants - QH FLUIDCAST Die Lubricant Application	Fully functional lubricant ratio monitor Basic applicator for squeeze casting lubricants Basic lubricant/water mixing system to achieve required dilution ratios for water-based lubricants Advanced mobile lubricant/water mixing system with PLC control of mixing and lubricant delivery with HMI interface Advanced mobile lubricant/water mixing system with dual outputs that can be used for water based or lubricants. With PLC control of mixing and lubricant delivery with HMI interface Centralized lubricant/water mixing system with PLC control to delivery lubricant to a large number of die casting lines Full oil based lubricant application system offering PLC control of accurate lubricant delivery through a Quaker Houghton designed and supplied spray head.
QH FLUIDCAST™ BD Plunger Lubricant Application Low cost plunger lubricant bead dispensing unit	Equipment for Die Casti QH FLUIDCAST™ RM100 QH FLUIDCAST™ SQ QH FLUIDCAST™ MINI QH FLUIDCAST™ MONO QH FLUIDCAST™ DUAL QH FLUIDCAST™ MAX QH FLUIDCAST™ MQL QH FLUIDCAST™ E-STATIC	ing Lubricants - QH FLUIDCAST Die Lubricant Application	Fully functional lubricant ratio monitor Basic applicator for squeeze casting lubricants Basic lubricant/water mixing system to achieve required dilution ratios for water-based lubricants Advanced mobile lubricant/water mixing system with PLC control of mixing and lubricant delivery with HMI interface Advanced mobile lubricant/water mixing system with dual outputs that can be used for water based or lubricants. With PLC control of mixing and lubricant delivery with HMI interface Centralized lubricant/water mixing system with PLC control to delivery lubricant to a large number of die casting lines Full oil based lubricant application system offering PLC control of accurate lubricant delivery through a Quaker Houghton designed and supplied spray head. Full electrostatic lubricant application system offering PLC control and lubricant delivery through a Quaker Houghton designed and supplied spray head.
	Equipment for Die Casti QH FLUIDCAST™ RM100 QH FLUIDCAST™ SQ QH FLUIDCAST™ MINI QH FLUIDCAST™ MONO QH FLUIDCAST™ DUAL QH FLUIDCAST™ MAX QH FLUIDCAST™ MQL QH FLUIDCAST™ E-STATIC QH FLUIDCAST™ PLA	ing Lubricants - QH FLUIDCAST Die Lubricant Application Plunger Lubricant Application	Fully functional lubricant ratio monitor Basic applicator for squeeze casting lubricants Basic lubricant/water mixing system to achieve required dilution ratios for water-based lubricants Advanced mobile lubricant/water mixing system with PLC control of mixing and lubricant delivery with HMI interface Advanced mobile lubricant/water mixing system with dual outputs that can be used for water based or lubricants. With PLC control of mixing and lubricant delivery with HMI interface Centralized lubricant/water mixing system with PLC control to delivery lubricant to a large number of die casting lines Full oil based lubricant application system offering PLC control of accurate lubricant delivery through a Quaker Houghton designed and supplied spray head. Full electrostatic lubricant dispensing unit

DIE CASTING PRODUCT LINE



	PRODUCT	CATEGORY			
	Fire-Resistant Hydraulic	Fluids			
	QUINTOLUBRIC® 888	HFDu Synthetic Water Free Hydraulic Fluids	High performance anhydrous hydraulic fluids with excellent shear stability, best in class oxidation stability and reduced environmental impact. Products have low human and ecological toxicity, are >80% biodegradable and offer superior cleanliness. Products are energy saving due to their high viscosity index		
	COSMOLUBRIC® B-230	HFDu Synthetic Water Free Hydraulic Fluids	Is the latest development in Quaker Houghton's complete line of fire resistant hydraulic fluids for industry. COSMOLUBRIC® B-230 is a vegetable oil derived fire resistant hydraulic fluid formulated with addi¬tives to enhance corrosion protection, metal passivation, and oxidative inhibition. COSMOLUBRIC® B-230 is Factory Mutual approved as a less hazardous fluid.		
	HOUGHTO-SAFE™ 419-R	Water Glycol Hydraulic Fluids	Is a water glycol type fire resistant hydraulic fluid designed to meet the exacting requirements of modern industrial hydraulic systems. The fluid provides maximum safety in terms of fire resistance together with the optimum combination of performance characteristics and economy to the user. HOUGHTO-SAFE™ 419-R is Factory Mutual approved as a less hazardous fluid.		
	HOUGHTOSAFE™ 620	Water Glycol Hydraulic Fluids	Superior liquid and vapor phase corrosion protection, high viscosity index, excellent shear stability, excellent chemical thermal and hydrolytic stability		
Ancillary Products					
	TRIM SLICK™	Trim Press Lubricants	Trim press lubricants to improve trim life. Provides excellent boundary lubricant with minimal residue.		
	HEAT SLICK™	Heat Transfer Fluids	Non-toxic, non-corrosive, and low-odor heat transfer fluids for die casting temperature control.		
	PROWAY™	Way Oils	Machine lubricant designed for use in the lubrication of machine tool slides and ways.		
	QUENCH SLICK™	Quenching Additive	Synthetic quench tank additives for excellent heat dissipation. Non-foaming, prevents water spots, and extends tank life.		
	LADLE SLICK™	Ladle Coatings	Adhesion prevention pastes. Protects ladles and other tools from molten alloy.		
	QUAKERTEK™	Grease	A range of high performance greases which provide excellent lubrication and corrosion resistance. The LX series is formulated with high temperature resistance and shock loading protection, whilst the Axial range is formulated specifically to meet the needs of robotics.		
Metalworking Fluids					
	QUAKERCUT® / CUTMAX™	Metalworking Fluids	Neat cutting oils to provide a wide range of performance capabilities to meet metalworking industrial requirements in machining operations.		
	QUAKERCOOL® / HOCUT®	Metalworking Fluids	Expansive range of water soluble metal removal fluids containing soluble cutting oils, semi-synthetics and true solution synthetics. Provides a wide range of performance capabilities to meet industrial requirements in machining operations. Used in multiple industrial applications such as drilling, milling, tapping and reaming.		
	QUAKERCLEAN® / QH EXOMAX™	Metalworking Fluids	A wide range of high performance cleaning products for pre or post machining operations, with excellent foaming and biostability characteristics		
Porosity Sealing Solutions					
	ULTRASEAL REXEAL 100	Porosity Sealing Chemicals	Market leading high performance recycling impregnation sealant, offering best in class sealing performance. Offers recycling rates up to 95% and high levels of thermal and chemical resistance. Approved to US MIL-I-17563C, and carrying all major automotive OEM approvals		
	ULTRASEAL MX2	Porosity Sealing Chemicals	First generation recycling impregnation sealant, approved to US-I-176563C offering excellent all round performance		
	ULTRASEAL PC504/66	Porosity Sealing Chemicals	Non-recycling impregnation sealant offering excellent sealing, thermal and chemical resistance performance. Approved to US MIL-I-17563C		
	IMP IM3000	Porosity Sealing Chemicals	Non-recycling impregnation sealant offering excellent sealing, thermal and chemical resistance performance. Approved to US MIL-I-17563C		
	ULTRASEAL FL400 SYSTEM	Porosity Sealing Equipment	Front loading impregnation system that offers fast cycle times and high sealing rates in an operator friendly, small foot print system. Can be readily automated to improve operation efficiency and reduce overall operation costs		
	ULTRASEAL TL IMPREGNATION SYSTEM	Porosity Sealing Equipment	Cost effective Top load systems available in a variety of sizes, that balance investment costs and capacity		
	ULTRASEAL SRS SYSTEM	Porosity Sealing Equipment	Upgrade package for conventional impregnation systems to enable lower operation costs through deployment of environmentally friendly sealant solutions		