

QA PREMIUM / SUPER SPINDLE 2 / DOWFROST

SPINDLE OILS & FLUIDS

Precision lubrication.
Application-matched cooling.



QA Premium Spindle / ISO 2, 10, 15 & 22

QA Super Spindle 2 / **DOWFROST** glycol-based fluid

PREMIUM SPINDLE RANGE

Low viscosity. Precision service.

QA Premium Spindle Fluids are high-grade, low-viscosity inhibited oils designed primarily to cool machine-tool spindles. Different viscosities meet different speed requirements. The range also serves selected air-tool, circulation and low-viscosity hydraulic applications.

- **Water separation.**
Excellent demulsibility helps the oil separate readily from water.
- **Stability in service.**
Premium base oils fortified with rust and oxidation inhibitors.
- **Rust protection.**
Helps protect lubricated components from rust.
- **Clean, flowing lubrication.**
Low-foam formulation and lower filter-blockage tendency.



Match the grade to the machine.

Typical uses include machine-tool spindle oil, air-tool oil, lubrication of small devices and low-pressure hydraulics requiring a low-viscosity oil. Confirm the spindle speed, bearing design, oil-feed system and required viscosity with your QA technical professional.

Equipment and package images are illustrative.

PREMIUM SPINDLE DATA

Typical physical properties

The following data apply to QA Premium Spindle grades only. Values are typical, not specification limits; Super Spindle 2 and DOWFROST are separate products.

Characteristic	Spindle 2	Spindle 10	Spindle 15	Spindle 22
ISO grade	2	10	15	22
Viscosity, SUS @ 100°F	32.6	58.8	78.2	100.0
Viscosity, SUS @ 210°F	30.4	37.1	39.4	40.5
Viscosity, cSt @ 40°C	2.0	10.0	15	22
Viscosity, cSt @ 100°C	0.94	2.61	3.30	4.2
Viscosity index (ASTM D-2270)	-	-	-	98
Flash point, °C (ASTM D-92)	>125	>178	>200	>210
Specific gravity (ASTM D-1298)	0.88	0.87	0.86	0.85
Pour point, °C	-35	-15	-15	-12
Copper corrosion (ASTM D-130)	1A	1A	1A	1A
Rust test (ASTM D-665A)	Pass	Pass	Pass	Pass

Subject to usual manufacturing tolerances. Dashes are reproduced as shown in the supplied PDS; no viscosity-index values are assigned here to grades 2, 10 or 15.

Source: QA Premium Spindle PDS, © 12/08 PDS V.1.
Contact QA Lubricants for current technical data and grade selection.

ADDITIONAL SPINDLE FLUID OPTIONS

The right fluid for your system.

QA Super Spindle 2

An additional QA spindle-fluid option, offered as **Super Spindle 2**. Contact QA Lubricants for its current technical data and to match this product to your equipment requirements.

Specify QA Super Spindle 2 when requesting product selection support, pricing or availability.



DOWFROST™ glycol-based fluid

An inhibited **propylene glycol-based heat-transfer fluid** for cooling service. For a spindle cooling loop that specifies a glycol-based fluid, QA can help confirm the appropriate DOWFROST product and water concentration.



Follow the machine and chiller manufacturer's fluid requirements, dilution instructions and water-quality guidance. Cooling-loop fluids and spindle lubricating oils serve different system requirements.

Selection support: Share your machine model, current fluid, required viscosity and whether the system needs lubricating oil or a glycol-based cooling fluid. QA can help identify the correct product.

APPLICATION GUIDANCE / AVAILABILITY

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DOWFROST™ is a trademark of Dow or an affiliated company. Fluid description: Dow, DOWFROST Heat Transfer Fluid product page (dow.com), reviewed October 19, 2026. Technical data are typical, not specifications. Verify suitability for critical applications. QA Lubricants Inc. disclaims warranties of merchantability for a specific use beyond its control.