

GENERAL LUBRICATING GREASE GUIDE

Select your grease based on thickener technology, NLGI grade, temperature range and product properties.

Wurth Product	Thickener	Colour	NLGI	Base Fluid & Viscosity @ 40 °C	Solid Lubricant	Temp Range	Drop Point	Load Bearing Capacity	Approvals
Multi-Purpose Grease II 893.8711 • 400g • Cartridge	Lithium Soap	Grey - Black	2	Mineral Oil 110 mm ² /s	Graphite	-30 to +120°C (Max +130°C)	180°C	3000 N*	-
High Performance Grease 893.880 • 400g • Cartridge 893.8804 • 25kg • Pail	Lithium Complex Soap	Yellow-Brown	2	Mineral Oil 210 mm ² /s	-	-30 to +140°C (Max +180°C)	260°C	2800 N*	GC-LB / VOLVO 1277.2
Agriculture Grease 893.8741 • 400 g • Cartridge	Lithium-Calcium Soap	Blue	2	Mineral Oil + Polymers 300 mm ² /s	-	-30 to +120°C (Max +130°C)	180°C	3400 N*	-
Fifth Wheel Grease 893.876102 • 25 kg • Pail	Lithium-Calcium Soap	Black	2	Synthetic + Polymers 1032 mm ² /s	Graphite/Tin	-10 to +120°C	170°C	500 kg**	-
Lithium-Free Bio Grease 893.916400 • 400 g • Cartridge	Anhydrous Calcium Soap	Yellow	2	Synthetic 560 mm ² /s	-	-40 to +120°C (Max +130°C)	140°C	3400 N*	EU Ecolabel
Extreme Heavy Duty Grease 893.990400 • 400 g • Cartridge	Calcium Sulphonate Complex	Brown	2	Mineral Oil 290 mm ² /s	-	-30 to +140°C (Max +180°C)	Non-melt > 280°C	6500 N*	-
Low Temperature Grease 890.602 • 397 g • Cartridge	Silica	Translucent white	2	Synthetic 69 mm ² /s	PTFE	-43 to +232°C	Non-melt > 287°C	400 kg** 40 lbs***	NSF H1 / GC-LB
Multi-Purpose Grease III 893.107002 • 400 g • Cartridge	Silica	Transparent	2	Synthetic 200 mm ² /s	-	-15 to +130°C	Non-melt	2200 N*	NSF H1
Premium Moly Grease 890.603 • 397 g • Cartridge	Clay	Grey	2	Mineral Oil 144 mm ² /s	Moly	-18 to +204°C	Non-melt > 288°C	65 lbs***	-
SIG 3000 889.0402 • 397 g • Cartridge 889.04021 • 20.41 kg • Pail	Clay	Green	2.5	Mineral Oil 144 mm ² /s	-	-18 to +204°C	Non-melt > 288°C	65 lbs***	-

INTERPRETATION GUIDE:

Thickener: Material that gives grease its structure and consistency. It influences properties like water resistance, temperature stability, and mechanical performance.

Colour: The visual appearance of the grease, which can help identify product type or application. Colour may vary based on additives or dye but does not typically affect performance.

NLGI: The National Lubricating Grease Institute grade, indicating grease consistency. Ranges from 000 (very fluid) to 6 (very hard); NLGI 2 is standard for general-purpose use.

Base Fluid: The lubricating oil component of grease, which determines its viscosity, thermal stability, and compatibility. Can be mineral, synthetic, or bio-based.

Base Fluid Viscosity: A measure of the oil's thickness. Higher viscosity means better film strength and load-carrying ability, while lower viscosity improves flow and low-temperature performance

Solid Lubricant: Additives that enhance load-carrying capacity and reduce friction, especially under extreme pressure or boundary lubrication conditions.

Temp Range: The recommended operating temperature range where the grease maintains its protective and lubricating properties without degradation.

Drop Point: The temperature at which grease transitions from semi-solid to liquid. Indicates the upper limit of thermal stability before the grease starts to melt. Non-soap greases may list "none" or "non-melt", as they have high temperature stability and don't melt, but rather decompose making the drop point difficult to define.

Load Bearing Capacity: The grease's ability to withstand mechanical pressure and protect surfaces under heavy loads. Often enhanced by EP (Extreme Pressure) additives and solid lubricants. This can be measured using several different test standards, whose reported value reflect the maximum load the grease can withstand without scuffing or seizing. Higher values indicate better performance, however results from different standards cannot be directly compared.

*4-ball weld load (DIN 51350:4) **4-ball weld point (ASTM D 2596) ***Timken OK Load (ASTM D 2509)