



Formerly Known As: Spindle Lube EP

Shell Gadus S2 Steel Spindle Grease

- Heavy Duty Protection
- Lithium
- Contains Solid Additives

Spindle and Coupling grease for low-speed, heavily loaded applications in industrial applications

Shell Gadus S2 Steel Spindle Grease is specifically designed to meet the challenges of moderate and low speed couplings (<1000 RPMs). The product is designed to lubricate heavily loaded spindles and couplings commonly found in steel mill drives. The solid additives facilitate the sliding contact in mechanical couplings due lateral movement due to shaft expansion or mechanical misalignment. The product is uniquely formulated with a combination lithium / polymer thickener system that resists separation due to centrifugal forces experienced by standard greases in these applications.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Enhanced load-carrying and wear protection properties**
Offers excellent extreme pressure and anti-wear performance for heavily loaded slow and moderate speed couplings.
- **Resistance to centrifugal forces and separation**
Formulated to resist separation of the base fluids from the thickener system while couplings and spindles rotate even at elevated speeds.
- **Effective in wet conditions**
Ensures lasting performance even in the presence of heavy water contamination and provides excellent corrosion resistance.

Main Applications



Shell Gadus S2 Steel Spindle Grease is primarily intended for the grease lubrication of heavy-duty, slow-moving coupling applications in steel and industrial settings:

- Roughing Mills
- DCR drive couplings
- Temper mill and pickle line drive couplings

Specifications, Approvals & Recommendations

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Gadus S2 Steel Spindle Grease
NLGI Consistency				1
Colour				Black
Soap Type				Lithium
Base Oil				Mineral
Kinematic Viscosity	@40°C	cSt	IP 71 / ASTM D445	680
Kinematic Viscosity	@100°C	cSt	IP 71 / ASTM D445	40
Cone Penetration, Worked	@25°C	0.1mm	IP 50 / ASTM D217	310-340
Dropping Point			IP 396	180
4 Ball Weld Load			IP 239	400
Solid Lubricant				< 3% solids

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

- **Health and Safety**

Shell Gadus S2 Steel Spindle Grease is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://www.epc.shell.com/>

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- **Operating Temperature Range**

Operating Temperature Range -5°C to +120°C

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.