



Castrol® Spheerol® ALX 460-1.5

Heavy-duty grease for extreme industrial conditions

Castrol Spheerol ALX 460-1.5 is a premium, heavy-duty grease designed to protect metal surfaces in the toughest environments — from steel mills to high-load industrial machinery. Its advanced formulation delivers exceptional adhesion, water resistance, and thermal stability, ensuring reliable lubrication even under extreme pressure and aggressive mill water exposure.

Applications:

- Steel manufacturing: continuous casters, hot strip mills, reheat furnaces, roll neck bearings, spindles, couplings, guide rolls
- Heavy industrial operations exposed to heat, mechanical stress, and water ingress
- Any application demanding a tacky, water-resistant grease with superior thermal stability

Key benefits:

- Reliable performance at high temperatures
- Extreme pressure and anti-wear protection
- Water resistance and corrosion protection
- Enhanced film strength for extended grease life
- Separates cleanly for easier wastewater management

Typical characteristics

Test	Method	Units	Results
NLGI Grade	ASTM D217	-	1.5
Color	Visual	-	Dark Brown
Thickener	Type	-	Aluminum Complex
Base Oil	Type	-	Mineral
Dropping Point	ASTM D 2265	°C	245
Base Oil Kinematic Viscosity at 40°C	ASTM D 445	mm²/s	460
Shell Roll Stability, 2hr / RT	ASTM D 1831	%	5
Shell Roll Stability 2hr / RT / 10% water	ASTM D 1831 Mod	%	26
4-ball Weld Load	ASTM D 2596	Kg	315
4 Ball Wear	ASTM D 2266	mm	0.58
Oil Separation	ASTM D 1742	%	0.5
Rust Prevention	ASTM D 1743	Rating	Pass
Water Washout 1hr / 79°C	ASTM D 1264	%	1
Water Sprayoff	ASTM D 4049	%	8

Protect your equipment. Maximize uptime. Choose Castrol Spheerol ALX 460-1.5. For more details or a trial sample, please reach out to your Castrol representative or contact us, 888-CASTROL

