# #216 SynForce™ Strike Chisel Paste

## TECHNICAL DATA

SynForce™ Strike Chisel Paste is an extreme temperature and pressure, shock load, para-synthetic, anti-wear aluminum complex grease specifically formulated for use in hydraulic hammer, breaker and chisel applications. SynForce™ Strike Chisel Paste will extend the life of the hydraulic tools' critical components by protecting them from the harsh environments introduced during construction and infrastructure applications. Harsh environment protection consists of extreme temperatures, pressures, and severe shock loads. Through this protection, the tool and bushings will not weld together inside the housing.

SynForce™ Strike Chisel Paste is compounded from high quality para-synthetic base stocks, thickened by an aluminum complex base thickener. Further blended into the base grease are carefully selected extreme temperature, pressure, anti-wear, rust and oxidation additives which provide the following performance features:

- Superior protection against extreme temperatures and shock load
- Exceptional resistance to galling and seizing
- Excellent resistance to water washout and water spray-off.
- Excellent shear and mechanical stability.
- Excellent anti-wear and extreme pressure load carrying properties.
- Excellent rust and oxidation inhibiting characteristics.
- High dropping point.

SynForce™ Strike Chisel Paste contains a solid lubricant film package with molybdenum disulfide, graphite and copper which acts as a "backstop" lubricant when the grease base is either destroyed or wiped away. This backstop has a natural affinity for metal surfaces which allows the solid lubricants to plate themselves to metal surfaces and form a long-lasting solid lubricant film that will withstand pressures up to 500,000 pounds per square inch. The friction reduction created by the solid lubricant film also reduces the wear and contact area temperature of the hydraulic tool's critical components for an increase in equipment life, less downtime and extended lubrication cycles.

SynForce™ Strike Chisel Paste has excellent rust and oxidation inhibiting characteristics, excellent water resistance, and shear and mechanical stability. SynForce™ Strike Chisel Paste also has superior cohesive and adhesive properties to prevent wash out, pound out, splatter or squeeze out even under the heaviest loads or vibrations.

SynForce™ Strike Chisel Paste has an operating temperature range of 0°F to 350°F with solid lubricants to provide protection above 350°F.

***SynForce™ Strike Chisel Paste is designed exclusively for hydraulic hammer, breaker and chisel applications. Damage may occur if used in other applications. NOT RECOMMENDED for electric motors, wheel bearings, or other rolling element bearings.***

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POST DRIVER

# Grease/Paste

## #216 SynForce™ Strike Chisel Paste

TYPICAL PROPERTIES

| | |
|---|---|
| **NLGI Grade** | **#2** |
| Appearance/Color | Copper/Bronze |
| Worked Penetration 77°F/25°C (ASTM D217) | 265-295 |
| Thickener Type | Aluminum Complex |
| Dropping Point °F/°C (ASTM D2265) | 482°/250° |
| Four Ball EP Test (ASTM D2596)<br>Load Wear Index (kg)<br>Weld Point (kg) | <br>135.3<br>800 |
| Four Ball EP Test (ASTM D2266)<br>Scar Diameter, mm | <br>0.67 |
| Water Washout Test (ASTM D1264)<br>% Loss 175°F/79°C | <br>5.22% |
| Oil Separation (ASTM D1742*)<br>% wt. of Oil Separation Loss | <br>1 |
| Evaporation Loss (ASTM D2595)<br>% Loss 22 hrs @ 250° | <br>0.3 |
| Solids, molybdenum, graphite, copper, % wt. | 15 |
| **Base Oil Properties**<br>Viscosity cSt 40°C (ASTM D445)<br>Viscosity cSt 100°C (ASTM D445)<br>Viscosity Index (ASTM D2270)<br>Flash Point °F/°C (ASTM D92)<br>Fire Point °F/°C (ASTM D92) | <br>229.47<br>19.40<br>96<br>518°/270°<br>550°/287.78° |