



# TECHNICAL DATA SHEET

## CALIBER™ XR HEAVY DUTY GREASE

Caliber™ XR is the most robust lithium-based bearing grease in the Whitmore line. This extreme pressure grease was designed for heavy duty service. It is recommended where the most severe high load and shock load are encountered. Applications include steel mill roll stands, slew rings on mining and forestry equipment, and heavily loaded industrial equipment such as mills, grinders, etc.

Whitmore's Caliber™ XR incorporates high fluid viscosity, effective extreme pressure and anti-wear additives, plus solid lubricants. This potent combination ensures long component life and minimal unscheduled stoppages.

By combining a shear-stable lithium thickener with high density polymers, Whitmore has created a grease with outstanding water resistance, whether the application is a shielded bearing or one that is prone to direct water spray.

### BENEFITS:

- COMPONENT LIFE – outstanding wear protection means money saved in component replacement.
- PUMPABLE – despite its robust characteristics it can be dispensed below freezing.
- WATER RESISTANT – tacky polymers ensure metal adhesion despite direct water spray.
- SAFE – contains no hazardous components.

### APPLICATIONS:

Typical applications for Whitmore's Caliber™ XR include ball and roller bearings, bushings and slides. Caliber™ XR is especially valuable where speeds are low and loads are high. Transportation and material handling equipment applications include king pins, sleeve bearings, u-joints and chassis points.

ASTM #		TYPICAL CHARACTERISTICS
	<b>Grade</b>	1
<b>D-217</b>	<b>Penetration Range</b>	210-340
<b>D-2265</b>	<b>Dropping Point, °F (°C)</b>	450 (232)
<b>D-445</b>	<b>Kinematic Viscosity (Base Oil)</b>	
	cSt @ 40°C	1,004
	cSt @ 100°C	67
<b>Gardner Method</b>	<b>Density, lb/gal @ 60°F (15.5°C)</b>	7.60
	<b>Specific Gravity, g/cc @ 60°F (15.5°C)</b>	0.9124
<b>D-2596</b>	<b>Four Ball EP, Weld Point, kg</b>	620
<b>D-2266</b>	<b>Four Ball Wear, Scar Width, mm</b>	0.5
<b>D-4049</b>	<b>Water Spray Off, % Loss</b>	21.6
<b>D-1264</b>	<b>Water Washout, % Loss</b>	3.95
<b>D-1743</b>	<b>Rust Test</b>	Pass
	<b>Thickener Type</b>	Lithium
<b>OEM Standard</b>	<b>Low Temperature Pumpability</b>	
	Lincoln Ventmeter @ 400 psi, °F (°C)	18 (-7)
	Lincoln Ventmeter @ 700 psi, °F (°C)	10 (-12)

*The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.*

### PACKAGING

Drums	Kegs	Pails	Cartridges 50 Per Case
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### THE WHITMORE MANUFACTURING COMPANY

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