



WHEN DEMANDING GREASE APPLICATIONS NEED THE BEST, CHOOSE MATRIX.[®]

Matrix extreme pressure grease protects in difficult applications and conditions with capabilities that exceed conventional greases. Matrix protects against heat, high load, corrosion and infrequent lubrication. Matrix can extend lubrication frequency resulting in less grease consumption while still preventing premature wear.

EXTREME PRESSURE - CALCIUM SULFONATE COMPLEX GREASE

Matrix® EP

Matrix EP is an exceptional grease for demanding applications. It's formulated to offer optimal wear protection, even when subjected to adverse conditions such as water washout, elevated temperatures and attack from process chemicals. Ideal for low speeds and extreme loads, the thickener in Matrix EP protects against wear and damage due to shock loads similar to molybdenum disulfide. It also neutralizes acids and other caustic chemicals - it has even been proven to prevent corrosion caused by acid fumes. Matrix EP offers outstanding water washout performance.

Applications - Heavily loaded bearings, bearings- bushings- gates and slides subjected to water submersion, equipment exposed to an acidic or alkaline environment, high temperatures up to 400°F / 200°C and infrequently lubricated bearings..

Typical Characteristics

Grades	EP0	EP1	EP2	TK 2
Penetration Range	355-385	310-340	265-295	265-295
Low Temperature Pumpability	-20 (-29)	12 (-11)	34 (1)	70 (21)

Matrix® LC

Building on the success of Matrix EP, Matrix LC is the latest Matrix heavy-duty formulation designed for higher speed bearings, especially where re-lubrication isn't feasible. It also remains pumpable in cold weather. Matrix LC offers long grease life and outstanding wear protection, including the rust protection of calcium sulfonate thickener.

Applications - Heavily loaded applications such as steel mill roll stands, electric motor bearings, slew ring bearings on hydraulic shovels and single-point and centralized lubrication systems such as Lincoln, Graco, Farval and Vogel.

Use Matrix EP where water washout is a concern.

Typical Characteristics

Grade	Winter	0	1	2
Penetration Range	390-410	355-385	310-340	265-295
Low Temperature Pumpability	30 (-34)	-5(-20) 1	0 (-12)	24 (-4)
Operating Temperature Range	-30 (-34) to 32 (0)	-15(-25) to 45(7)	0 (-18) to 350 (180)	10 (-12) to 350 (180)

Packaging: Drums, Kegs, Pails, Cartridges (50/case)



- **Reduced re-lubrication frequency**
- **Wide speed range**
- **Superior wear protection**
- **Excellent water resistance**

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