

# Open Gear All Seasons™



## Product Description

D-A **Open Gear All Seasons™** is a heavy bodied grease offering extra adhesiveness for severe duty applications such as open gears, swing gears, 5th wheels, processing mills and sand and gravel plants. D-A **Open Gear All Seasons™** is an excellent lubricant for the sliding surfaces on crane booms and outriggers. It resists water, protects against rust and corrosion and limits wear through use of the solid lubricant molybdenum disulfide (moly). D-A **Open Gear All Seasons™** is available in caulk type tubes for easy application.

## Product Features and Benefits

Contains molybdenum disulfide (moly) which provides optimum wear protection under heavy loads.

Water resistance protects equipment in applications where water is a problem.

Completely compatible with most types of metal surfaces commonly found in heavy duty equipment.

Additives protect against rust and corrosion in even the most severe environments ensuring continuous lubricant protection.

Excellent metal adhesion maintains lubrication over extended periods.

## Typical Applications

Open Gear Sets  
Fifth Wheels  
Mills  
Lift Truck Masts  
Telescoping Booms and Outriggers

Shaker Screens  
Conveyors  
Asphalt Plants  
Cement Plants  
Sand and Gravel Plants

## Typical Properties

NLGI Grade	ASTM D217	#3
Thickener Type	ASTM D128	Lithium 12-Hydroxystearate
Color	Visual	Black
Usable Operating Temperature Range, °F (°C)		-22 to 248 (-30 to 120)
Worked Penetration @ 77° F	ASTM D217	220 - 250
Base Viscosity @ 40° C	ASTM D445	320
Viscosity Index	ASTM D2270	95
Dropping Point, °F (°C)	ASTM D2265	360 (182)
Four Ball EP, Weld Load kgf	ASTM D2596	250
Timken OK Load	ASTM D2509	40
Water Wash-Out, % Loss	ASTM D1264	<2
Water Spray-Off, % Loss	ASTM D4049	<6
Copper Corrosion Test	ASTM D4048	1b
Bearing Rust Test	ASTM D1743	Pass
U.S. Steel Mobility, gm/min @ 0°F	USS LT-37	<1
U.S. Steel Mobility, gm/min @ 20°F	USS LT-37	12
U.S. Steel Mobility, gm/min @ 60°F	USS LT-37	65
Molybdenum Disulfide, wt. %	ASTM D128	0.5

### D-A Part Number:

Pail (Metal) – 25 lb

12048

Cartridge – 25/10 oz Tube

12047T