

# CO-GRAF LX 320

## Solid lubricant anti-seize paste for bolted metal joints

**CO-GRAF LX 320** is a top-quality anti-seize compound composed of pure copper and colloidal graphite in a high heat-resistant carrier. It is designed to lubricate and protect threaded connections and flanges at temperatures to 1022°F (550°C) and extreme load pressure conditions. **CO-GRAF LX 320** has water-resistant and anti-oxidant properties, does not separate, and is formulated to withstand lengthy service and severe conditions. Stress, strain, and time to disassemble are greatly diminished.

### Performance Features

- Temperature range for use: -20/ +550°C
- No lead or nickel
- Resist seizing, galling, and cold welding
- Resists salt water corrosion
- High load-carrying capacity
- High load capacity
- Very good corrosion-preventive ability
- Coefficient of friction unchanged in the area of oiled bolt, even after several bolt re-tightening and loosening processes

### Technical Data: CO-GRAF LX 320

Characteristics	Unit	Value	Test Method
Color		black	-
Unworked penetration	mm/10	280-310	ISO 2137
Density @ [20°C]	g/ml	1.26	ISO 2811
High Temperature range	°C	+550	LLS 134
Low Temperature range	°C	-20	LLS 134
Four Ball Test welding load	N	4800	DIN 51 350 pt.4
Wear scar under 400N load	mm	0.65	DIN 51 350 pt.5
Almen-Wieland machine OK load	N	20000	-
Almen-Wieland machine frictional force	N	2600	-

### Lubrication Solutions for Industry

**KELBOR** develops, produces and sells high-performance lubricants. The product range covers the fields of special lubricants, lubricants for all industry and lubricants for metal working and forming technology. All product formulations are based on latest tribological knowledge.