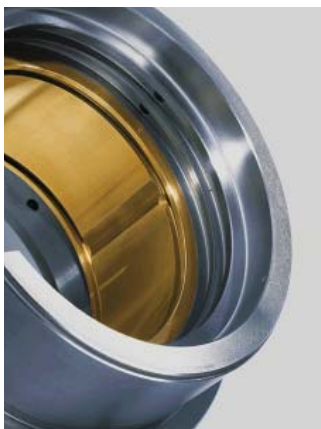
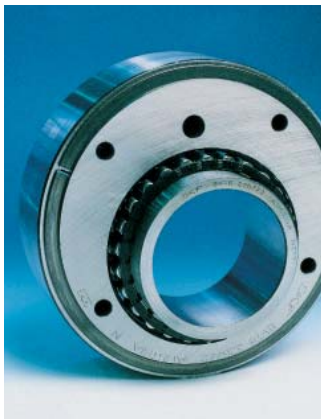


lubricant 309C

For Higher Quality In Offset Printing



Print quality and profitability are directly related to the choice lubricants.

Application

The printcom lubricant 309C is a lithium-saponified, water-resistant universal grease based on mineral oil.

Thanks to its sound corrosion protection properties, it can be used in ball and anti-friction bearings, for linear guides, and in central lubricating systems.

The printcom lubricant 309C can be used within the temperature range of -20 °C to +120 °C.

Advantages

- High operating safety due to sound corrosion protection
- Excellent lubrication of ball and anti-friction bearings and linear guides
- Superbly conveyable in central lubricating systems



Each printcom lubricant has been thoroughly tested by manroland's research and development departments for its mechanical and dynamic properties, its in-press corrosion and wear characteristics, and for its resistance to aging. Use of these products will ensure efficient production processes, with the added benefit of preserving the life and value of your press.

printcom stands for "print competence" and represents manroland's offering of process-compliant system components for the printing industry. Customer satisfaction is our top priority, and the printcom team is here to serve you.

Technical Data of Base Oil

Chemical Composition	mineral oil, lithium special soap, active agents
Characterization (DIN 51825)	KP2K-20
Colour	light brown/beige
Density at 25 °C (DIN 51757)	1.00 g/cm ³
Consistency Class	NLGI 2
Base Oil Viscosity at 40 °C (DIN 51562)	100 mm ² /s
Base Oil Viscosity at 100 °C (DIN 51562)	10 mm ² /s
Dropping Point (DIN ISO 2176)	> 165 °C
Temperature Range	-20 °C to +120 °C
Worked Penetration (DIN ISO 2137)	265-295 1/10 mm
Water Resistance (DIN 51807 T1)	(0-1)-90
Oil Separation (DIN 51817)	K < 1, N < 2
Flow Pressure at -20 °C (DIN 51805)	< 1,400 hPa
EMCOR Test (DIN 51802)	0/0
Corrosion Against Copper (DIN 51811) 24 h/120 °C	2

SHELL Four-Ball Tester

Welding Load (DIN 51350 T4)	> 2,000 N
Diameter of Calotte (DIN 51350 T5) 400 N, 1 h	0,93 mm

Application Area and Approvals

For the exact lubricating position, please refer to the press manual and the care and maintenance instructions. "printcom lubricant" products have been listed from the 2nd quarter of 2006 on.

Application Area lubricating nipple (printing units, superstructure, folder)

Approvals ROTOMAN, ROTOMAN Sleeve
LITHOMAN, LITHOMAN Sleeve
GEOMAN, COLORMAN, COLORMAN XXL

Packaging Units

All packaging units are non-returnable.

Pails	18 kg
Drums	50 kg

Augsburg.4.0211, englisch (USA), lubricant 309C



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