

# METALSTAR 820

Die grease for continuous casting of aluminium alloys



## Your benefits at a glance

- Free of graphite
- Low generation of smoke, especially during start
- Nice surfaces
- Good demoulding
- Easy cleaning of mould surface

## Your requirements - our solution

METALSTAR 820 is a graphite-free die grease based on mineral oil for continuous casting of aluminium alloys.

### Application

METALSTAR 820 is a special grease used as sliding agent or as release agent for the manufacture of blanks and plates. The lubricating film reduces friction between the material and the die. The separating and sliding film reliably prevents adhesion of aluminium to the die. METALSTAR 820 is suitable for plates (thickness up to 5000

mm) and ingots (thickness up to 4500 mm) made of aluminium alloys.

### Application notes

METALSTAR 820 is applied undiluted onto the die by means of brush or roller.

### Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	METALSTAR 820
Can 1 kg	+
Bucket 5 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	METALSTAR 820
Article number	042029
Composition, thickener	lithium soap
Composition, type of oil	mineral oil
Colour space	brown
Texture	homogeneous
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Dropping point, DIN ISO 2176 / IP 396	> 150 °C

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## Characteristics

## METALSTAR 820

Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened 24 months original container, approx.

### Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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