

MasterRoc[®] BSG II

Main Bearing Sealing Grease (Excluder Grease) for Tunnel Boring Machines (TBM)

Material Description

MasterRoc BSG II is an excluder grease for tunnel boring machines. It effectively protects the main bearing and prevents soil, water or dust ingress into the main bearing sealing. It is formulated to resist high water and ground pressures, and has excellent lubrication and pumping properties as well as excellent adhesion to all surfaces.

Characteristics and Benefits

- Excellent sealing and anti-washout properties
- Excellent adhesion to any metal or concrete surfaces
- Excellent pumping and lubricating properties especially at very low or very high temperatures
- 'Bio-grease': entirely based on renewable and natural raw materials

Packaging

MasterRoc BSG II is available in standard 230 kg or 60 kg steel drums for press plate pumps.

Technical Data

Form	Homogenous paste, fibrous
Color	Black
Odor	None
Density [kg/m ³] 20°C	1150 ± 50

Consistency ISO 2137 [1/10 mm]	250- 280
4-ball wear DIN 51350:5 [mm]	< 0.9
Water wash out (38°C) ISO 11009 [%]	< 6
Water spray off (38°C) ASTM D4049 [%]	< 4
Water resistance DIN 51807/1	0-0
Sealing elastomer compatibility	Approved by Merkel & J. Walker
Flash point (base oil)	> 290°C
Biodegradation	inert

Storage

MasterRoc BSG II should be stored at 5 - 35°C. If stored in original tightly closed containers it has a shelf life of 12 months.

Safety Precautions

MasterRoc BSG II is not hazardous and poses no threat to worker safety or the environment. However, it is recommended that all normal precautions be taken when handling the product, such as the use of eye protection and gloves.

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Disclaimer

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local representative.

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