

Cut and Cool Perfect drilling/cutting paste

Optimum results and safety for all materials and applications

Safe and efficient to use

- Longer tool service life
- High corrosion protection
- Can be welded without advance cleaning for low quantities

Can be used as minimum quantity lubricant

Optimum performance, optimum results thanks to specifically matched components

Paste for the most challenging machining tasks

- Machining of highest-strength steels fully possible
- Horizontal and overhead applications entirely implementable



| | |
|----------------------------|----------------------------------|
| Contents | 500 ml |
| Colour | Brown |
| Chemical basis | Mineral oil with synthetic ester |
| Shelf life from production | 36 Month |

Art. no. 0893 050 010

P. Qty.: 1 / 6

Details/Application

The drilling and cutting paste is particularly suitable for heavy-duty machining processes, such as high-strength hard steels, tool steel, ball bearing steel, CrNi alloys, and Hastelloy.



| | Drilling and cutting oil | Drilling and cutting oil Perfect | Drilling and cutting paste Perfect | Drilling and cutting oil Eco | Drilling and cutting foam | Cutting oil DVGW | Cooling lubricant Ultra | Cooling lubricant Ultra HD |
|---------------------------|--------------------------|----------------------------------|------------------------------------|------------------------------|---------------------------|------------------|-------------------------|----------------------------|
| Materials | | | | | | | | |
| Steel, alloyed steel | xx | xxx | xxx | xxx | xxx | xx | xx | xxx |
| High-alloy steel | xx | xxx | xxx | xxx | xxx | xx | xx | xxx |
| Cast iron, grey cast iron | xx | xxx | xxx | xx | xxx | x | xx | xxx |
| Carbide | xx | xxx | xxx | xx | xxx | x | x | xx |

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|---|--------------------------|----------------------------------|------------------------------------|------------------------------|---------------------------|------------------|-------------------------|----------------------------|
| Materials | | | | | | | | |
| Non-ferrous base metal (copper, brass, etc.) | xx | xxx | xx | xxx | xxx | x | x | xx |
| Titanium | x | xxx | xxx | xx | xxx | x | x | xx |
| Magnesium | x | xxx | xxx | xx | xxx | x | x | xx |
| Aluminium, aluminium alloys | x | xxx | xxx | xx | xxx | x | xx | xxx |
| Machining processes | | | | | | | | |
| Lathing, automatic lathes | xx | xxx | x | x | x | x | xx | xxx |
| Drilling, countersinking, reaming | xx | xxx | xxx | xxx | xxx | x | xx | xx |
| Deep drilling | x | xxx | xxx | xx | xx | x | x | xx |
| Sawing | xx | xxx | xx | xxx | xxx | x | xx | xx |
| Thread cutting | xx | xxx | xxx | xxx | xxx | xx | xx | xx |
| Thread forming, rolling | xx | xxx | xxx | xxx | xxx | x | x | xx |
| Milling | x | xxx | x | xx | xx | x | | xxx |
| Sanding | x | xxx | x | x | x | x | xxx | xx |
| Forming, rolling, bending | x | xxx | xx | xx | xx | x | x | xx |
| Punching, fine punching | x | xx | xx | xx | | x | x | x |
| Broaching, toothing | x | xxx | xx | xxx | xxx | x | x | x |
| Features | | | | | | | | |
| Base material | Mineral oil | Mineral oil with synth. ester | Mineral oil with synth. ester | Synth. ester | Glycol and ester | Ester | Mineral oil | Mineral oil |
| Viscosity (mm ² /s) | 12 | 25 | Paste-like | 35 | n/a | 5 | 66 | 76 |
| Minimum quantity lubrication | | √ | | √ | | | | |
| Free from mandatory warning symbols | | | √ | √ | | | √ | √ |
| Can be used upside down | | | √ | | √ | | | |
| DVGW-approved | | | | | | √ | | |
| Biodegradable/approved for use with food | | | | √ | | | | |
| Extremely high lubricating performance | | √ | √ | √ | √ | | | √ |
| Extremely long tool life | | √ | √ | √ | √ | | √ | √ |
| Minimal smoking | | √ | √ | √ | √ | | √ | √ |
| Extremely low consumption | | | √ | √ | √ | | | √ |
| Good creeping properties | √ | | | | | | | |
| Free of boric acid | | | √ | | √ | | √ | √ |
| Low-foaming | | | | | | | √ | √ |
| Extremely high microbial stability | | | | | | | √ | √ |
| Water hazard class | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| Formaldehyde-free | | | √ | | √ | | √ | √ |
| Extremely gentle on the skin (amine-free) | | | √ | | | | √ | √ |
| xxx excellent suitability xx good suitability x less favourable suitability √ applicable | | | | | | | | |

Instructions

Apply the paste to the machining tool using a brush.

Notice

- Storage temperature: 5-40°C
- Storage class (VCI concept): 10

The usage instructions are recommendations based on the tests we have conducted and are based on our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. Insofar as our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee consistent quality of our products. We reserve the right to make technical changes and further develop products.

| Related products | Art. no. |
|--|--------------|
| Skin protection foam | 0890 600 102 |
| Acetone cleaner For unpainted metal surfaces and glass Contents 0.25 l | 0893 460 |