

### **CUT+COOL Perfect drilling and cutting oil**

Art. no. 0893 050 008

P. Qty.: 1 / 6

## High-performance cutting oil for the heaviest machining work and higher cutting speeds

- High pressure absorption capacity
- Good corrosion protection
- Very favourable misting and evaporation behaviour
- Particularly mild inherent odour
- Resistant to resinification
- Free of chlorine, silicone, and heavy metals
- Free of substances that impair paint wetting

Contents	400 ml			
Container	Aerosol can			
Colour	Yellow orange			
Smell/fragrance	Oil			
Chemical basis	Mineral oil with synthetic ester			
Shelf life from production	24 Month			
Density	0.835 g/cm <sup>3</sup>			
Density conditions	at 20°C			
Acid-free	Yes			
Chlorine-free	Yes			
Free from heavy metals	Yes			
Min. flashing point	170 °C			
Silicone-free	Yes			
Resin-free	Yes			
Kinematic oil basis viscosity	$25 \text{ mm}^2/\text{s}$			



#### **Application area**

Non-water-miscible coolant for machining and forming steel, high-alloyed steel, aluminium, non-ferrous base metal, titanium, carbide, cast iron, etc.



Materials	Drilling and cutting oil	Perfect drilling and cutting oil	Perfect drilling and cutting paste	Eco drilling and cutting oil	Drilling and cutting foam	DVGW cutting oil	Ultra cooling lubricant	Ultra HD cooling lubricant
	T	T	Ī	T	l	T	T	Ī
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
Tungsten carbide Non-ferrous base metal	XX	xxx	xxx	XX	XXX	X	X	XX
(copper, brass etc.)	xx	xxx	xx	xxx	xxx	х	х	xx
Titanium	х	xxx	XXX	XX	XXX	х	х	XX
Magnesium	х	xxx	xxx	xx	xxx	х	х	xx
Aluminium, aluminium alloys	x	xxx	xxx	xx	xxx	x	xx	xxx
<b>Machining processes</b>								
Lathing, automatic lathes	xx	xxx	х	x	х	x	xx	xxx
Drilling, countersinking, reaming	xx	xxx	xxx	xxx	xxx	x	xx	xx
Deep drilling	х	xxx	xxx	xx	xx	х	х	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	х	xx
Milling	х	xxx	х	xx	xx	х		xxx
Sanding	х	xxx	х	х	х	х	xxx	xx
Forming, rolling, bending	х	xxx	xx	xx	XX	х	х	xx
Punching, fine punching	х	xx	xx	xx		х	х	х
Broaching, toothing	х	xxx	XX	xxx	xxx	х	х	х
Features					1		<u> </u>	1
Basis	Mineral oil	Mineral oil with synth. ester	Mineral oil with synth. ester	Synth. ester	Glycol and ester	Ester	Mineral oil	Mineral oil
Viscosity (mm <sup>2</sup> /s)	12	25	paste-like	35	n/a	5	66	76
Minimum quantity lubrication		1		٧				
No mandatory warning symbols			٧	1			١	١



	Drilling and cutting oil	Perfect drilling and cutting oil	Perfect drilling and cutting paste	Eco drilling and cutting oil	Drilling and cutting foam	DVGW cutting oil	Ultra cooling lubricant	Ultra HD cooling lubricant
Materials								
Can be used overhead			1		1			
DVGW-approved						1		
Biodegradable/approved				1				
for use with food				'				
Extremely high lubricating performance		1	1	1	١			1
Extremely long tool life		1	١	1	1		1	١
Low smoke generation		1	١	1	1		1	١
Extremely low consumption			١	1	1			1
Good creeping properties	٧							
Free of boric acid			1		1		١	١
Low-foaming							1	1
Extremely high microbial stability							١	1
Water hazard class	1	1	1	1	2	1	1	1
Formaldehyde-free			1		1		1	1
Extremely gentle on the skin (amine-free)			١				٧	1

xxx excellent suitability

xx good suitability

x less favourable suitability

√ applicable

### **Application information**

Ideal for all machining of all materials such as steel, high-alloyed steel, aluminium, non-ferrous base metals, titanium, carbide, cast iron, etc.

#### **Notice**

Oil-soaked cleaning cloths should only be stored in non-flammable, self-sealing, tightly sealed, and appropriately labelled containers (BGI 560)! The machining oil is also available as an aerosol under the product name Cut & Cool Drilling and Cutting Oil Perfect – Spray (0893 050 008).





The usage instructions are recommendations based on the tests we have conducted and 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.