

## Cutting and drilling oil CUT+COOL Perfect

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

**Safe and efficient to use**

- Optimum results and safety for all materials and applications
- Longer tool life
- High corrosion protection
- Can be welded without advance cleaning for low quantities

**Can be used as minimum quantity lubricant**

Optimum performance and best results thanks to specially coordinated components

**Reliable performance, even on tools with incorrect settings**

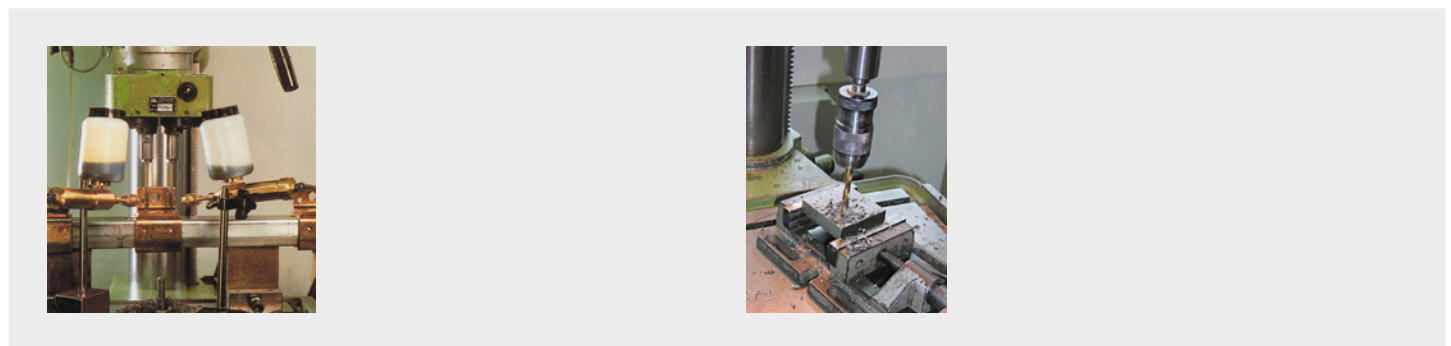


Colour	Yellow orange
Smell/fragrance	Oil
Chemical basis	Mineral oil with synthetic ester
Shelf life from production	24 Month

Contents	Container	Art. no.	P. Qty.
5 l	Canister	<b>0893 050 009</b>	1
400 ml	Aerosol can	<b>0893 050 008</b>	1/6

### Details/Application

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



	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
<b>Materials</b>								
Steel, alloyed steel	xx	xxx	xxx	xxx	xxx	xx	xx	xxx
High-alloy steel	xx	xxx	xxx	xxx	xxx	xx	xx	xxx

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<b>Materials</b>								
Cast iron, grey cast iron	xx	xxx	xxx	xx	xxx	x	xx	xxx
Carbide	xx	xxx	xxx	xx	xxx	x	x	xx
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
<b>Machining processes</b>								
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
<b>Features</b>								
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 <sup>2</sup> /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

The product is processed as delivered.

## 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.

Related products		Art. no.
Skin protection foam		<b>0890 600 102</b>
Acetone cleaner Contents 0.25 l		<b>0893 460</b>

Related products for	Designation	Art. no.
0893 050 009	Tap Tap for 5 l and 10 l plastic canisters with a DN 45 thread	<b>0891 302 01</b>