



SWISSCUT ORTHO NF-X

High-performance cutting oil for all types of materials

Description

SWISSCUT ORTHO NF-X are high-performance cutting oils, which can be used to manufacture high-alloyed steels, nonferrous metals and aluminium to an optimum finish. This is a new innovation in modern manufacturing technology. It does away with the need for various costly operations such as separate production lines for assorted processing, pre-washing non-ferrous workpieces and blending different types of machining oils in the manufacturing process. These cutting oils are particularly suitable for v_{max} machining.

Advantages

- v_{max} technology
- all-purpose oil for all types of materials
- significantly extended tool life
- optimum workpiece surface finishes
- cutting data can be optimised
- very easy on the skin
- low volatility
- extremely cost-effective

Area of applications

SWISSCUT ORTHO NF-X cutting oils were developed so that only one type of cutting oil would be needed to cover all types of materials, degrees of difficulty, etc. These universal oils are suitable for steel, cast iron, nonferrous metals, and aluminium, which are difficult to work with.

v_{max} Technology

Increased cost-effectiveness due to:

- increased cutting speeds
- increased infeed, which results in increased output
- better finished surface quality
- optimised cutting data for all materials
- extended tool life
- based on experience and proven in practice

Synergy Project

"Using synergies and letting them influence products to the advantage of the user," is the maxim of the MOTOREX Synergy Project. Products that are influenced by the results of existing synergies between machine and tool manufacturers, users and MOTOREX are labelled as Synergy Projects at MOTOREX.

Technical data

Properties	Unit	Test according to	Values			
SWISSCUT ORTHO NF-X			10	15	22	32
Viscosity class	ISO VG		10	15	22	32
Colour		DIN ISO 2049	2	2	2	3
Density at 20 °C	g/ml	ASTM D 4052	0.860	0.870	0.880	0.866
Viscosity at 40 °C	mm ² /s	DIN 51562-1	10	16	24	32
Flash point	°C	DIN EN ISO 2592	155	180	200	215
Copper corrosion		ASTM D 130	2 – 100A3	2 – 100A3	2 – 100A3	2 – 100A3

Water hazard class: WGK1
Disposal code: EWC 120109

Notice

When new products are used in modern production systems, it is new ground for both parties. It can be assumed, based on the results available, that the product is compatible with the materials currently used in engineering. The users and manufacturers of the product bear equal responsibility – depending on the process – for the use and suitability of the product in the manufacturing system. The "General terms of sale and delivery" of MOTOREX AG LANGENTHAL, 4900 Langenthal, Switzerland apply.

The above information is subject to change without prior notice, although they are in accordance with current standards. Performance characteristics indicated are based on usual tolerances which occur during measuring and production using the latest technology. A safety data sheet is available.

