

AGS HSGX

Neat Grinding Oil

AGS HSGX is the oil to use for the High Speed Grinding of hardened steel components when using the latest CBN grinding wheels. It has been approved by Bahmuller and Studer and end-users include Delphi, Bosch, Denso, Caterpillar and GM. It is perfect for external and internal grinding at high speeds and where excellent surface finishes are required.

This is a chlorine-free, mineral oil-based neat metalworking oil. It is used undiluted for the grinding of alloyed and unalloyed steel, especially tool steel and carbides. AGS HSGX has a limited suitability for the machining of aluminium and yellow metals.

Product properties / advantages:

- specially developed high performance oil for grinding of tool steels and hardened steel
- excellent stability against ageing and oxidation
- excellent cooling and detergency properties
- subsequent coating is possible without problems
- perfect for high speed grinding when using CBN grinding wheels at very high speeds and feeds

Technical data:

Appearance concentrate	Density at 15 °C [kg/m ³]	Kin. viscosity at 40 °C [mm ² /s]	Flash point COC [°C]	Copper corrosion (3 h / 100 °C)
yellow, clear	837	5	140	1b (slight tarnish)

Suitability of materials	alloyed steel	unalloyed steel	cast iron	aluminium	yellow metal
	+	+			

Application:

grinding – especially high speed grinding

Shelf life / Storage conditions:

stable for at least 24 months when stored at a temperature of 5 °C to 40 °C in unopened containers

Remarks:

Minor variations in colour and appearance are possible due to the raw materials chosen. However, these have no influence on the functionality of the product.

All information on safe and proper handling can be found on the MSDS.