AGS AeroX

mineral oil-free, water soluble, metalworking coolant concentrate

AGS AeroX is a water soluble metalworking coolant concentrate for chip-forming and chipless machining of cast iron, alloy as well as plain carbon steel. It is especially suited for the grinding of difficult aerospace components.

Product profile:

- boric acid-free, amine containing coolant

Product properties / advantages:

- improved tool life due to well balanced additives
- good load carrying capacity
- good filtration properties
- the product could also be used in distilled water
- excellent air release property

Technical data:

Concentrate		Solution		
Kin. viscosity at 20 °C [mm²/s]	Mineral oil [%]	pH at 5 %	Corrosion protection DIN 51360/2	Refractometer factor [%/°Brix]
40	0	8.8	5 % - note 0 (no staining)	1.6

Application:

chip-forming and chipless machining

Remarks:

Correct preparation of a fresh solution is ensured by slowly pouring the concentrate into water while stirring continuously. Alternatively, an automatic mixing device may be used.

The recommended concentration depends on the application and the materials to be machined:

chip-forming and chipless machining: 5 % - 12 %, according to application and water hardness

The concentration of the in-use solution may be checked using a refractometer. The refractometer reading must be multiplied by the refractometer factor to arrive at the concentration.

When intending to machine yellow metals or yellow metal alloys, we suggest checking in advance the tendency of the alloy to stain.

Where necessary, the compatibility of the solution with yellow metals may be improved by the addition of DELTA MS 0620.

Shelf life / storage conditions:

stable for 12 months when stored at a temperature of 5 °C to 40 °C in unopened containers

Comments:

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

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