



MANNOL Emulsion 1103

Water-miscible greasing and cooling fluid (GCF) with a high content of mineral oil and a highly effective additive package, providing multi functionality and stability of the emulsion for machining ferrous and non-ferrous metals.

Product properties:

- Mixes easily with water;
- Long service life of the emulsion;
- Economical to use;
- High stability of the emulsion;
- Good lubricating properties;
- Good anti-corrosion properties;
- Good lubricating properties - reduces friction in the processing zone and reduces all types of tool wear;
- Reliably removes heat from the treatment area;
- It is possible to use water of a wide range of hardness (up to 12 °e).

For processing by pressure (pressing, bending, etc.) and cutting (turning, milling, drilling, cutting, drawing, threading, grinding) all types of cast irons and steels, all types of non-ferrous metals and their alloys.

Recommended concentration $\pm 5\%$ depending on the processing mode of a particular metal.

Specifications

Approval

Recommendation

TYPE Water-miscible Emulsion

PACKAGING

4L	MN1103-4	Plastic	4 pcs/box
208L	MN1103-DR	Drum	
20L	MN1103-20	Plastic	