

BOTE Ferrocut Oil 160

Description:

BOTE Ferrocut Oil 160 is a water-miscible EP-coolant for machining operations. for examples, cast irons、 steel、 low carbon steel、 medium carbon steel、 high carbon steel、 alloy steels、 stainless steels. And much suitable for general machining、 cutting and grinding.

Application:

BOTE Ferrocut Oil 160 is an EP-coolant suitable for machining of aluminium alloys, for demanding operations on steel, cast iron and non ferrous metals.

BOTE Ferrocut Oil 160 emulsions feature a long time stability even under hot and humid weather conditions, contaminated mixing water and adverse machine surroundings.

Properties:

- semi-transparent, finely dispersed emulsion
- very low foaming
- excellent flushing effect
- special long-term stability, good sump life
- reliable long-time corrosion protection
- good skin tolerance
- pleasant smell

Technical Data:

Concentrate		Emulsion	
Viscosity 20°C (mm ² /s)	Content of mineral oil %	pH-value 5 %	Corrosion protection 4 %
approx. 160	approx. 45	9.4	grade 0

Remarks:

To prepare operating emulsion slowly add the coolant concentrate to drinking quality water assuring thorough mixing. Mixing can also be done by means of an automatic mixer. Recommended mixing ratios:

Machining of steel and non ferrous metals: from 4 %

Machining of cast iron and high tensile steel: from 5 %

Machining of aluminium alloys: from 5 %

The concentration of the operating emulsion can be determined by means of a pocket refractometer. The °Brix value multiplied by the refractometer value equals the concentration in %. Sometimes reading of scale is more difficult with older emulsions because of the morecoarse dispersivity.