

rhenus TY 116 ST

rhenus TY 116 ST is a water-soluble metalworking fluid for grinding operations. It is free of mineral oil and boric acid.

Application

rhenus TY 116 ST is especially suitable for all grinding operations such as centre-less, surface and full-form grinding.

It is especially useful for applications where its low foaming characteristics and excellent work piece visibility are required.

Properties

- transparent solution
- neutral smell
- extremely low foaming, even at highest coolant pressure
- high stability and low drag out losses
- excellent cooling effect
- very good flushing of the grinding disks
- very good filterability
- formaldehyde release free

Technical data

| Concentrate | Solution | | |
|--|-------------------|--------------------------|--|
| Viscosity 20 °C (mm ² /s) | pH-value at 2% | UT foam (3 % - NW 20) | Corrosion protection (DIN 51360/2) |
| approx. 5 | approx. 9.5 | 10 s | at 4 % grade 0 |

Remarks

To prepare operating solution 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:

Grinding of steel: from 4 %
Grinding of cast irons: from 5 %

The concentration of the operating solution can be determined by means of a pocket refractometer.

For the application please observe the valid VDI guidelines 3035, 3397 sheets 1 - 4. Protect against frost, heat and direct sunlight. Recommended storage and transport temperature: 5 - 40 °C.

Refractometer factor

2.3

Rhenus coolants are free of chlororganic substances, nitrite and secondary amines. This product contains natural raw materials. Therefore, different shades of colour and appearance are possible, however, quality and function of the product are not affected at all.

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

Edition

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