

# r.rhenus TY 101 S

**r.rhenus TY 101 S** is a water-soluble metalworking fluid for grinding operations. It is free of mineral oil and boric acid.

## Application

**r.rhenus TY 101 S** 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
- optimum residue behaviour
- extremely low foaming, even at highest coolant pressure
- high stability and low drag out losses
- long solution life
- excellent cooling effect
- very good flushing of the grinding disks
- very good filterability
- good skin compatibility
- water hazardous class 1

## Technical data

Concentrate	Solution		
Viscosity 20 °C (mm <sup>2</sup> /s)	pH-value at 5%	UT foam (3 % - NW 5)	Corrosion protection (DIN 51360/2)
approx. 12	approx. 9,2	< 20 s	at 5 % 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.

## Refractometer factor

1,5

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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