



**SCHUTZZEN BOLD**

Semi Synthetic Cutting Fluid

**Introduction**

SCHUTZZEN BOLD is high performance water soluble metal removal fluid for machining and grinding applications.

**Typical Applications**

Grinding and machining of cast iron, steel and aluminium alloys.

**Recommended Concentrations**

Machining 10:1 to 20:1  
Grinding 20:1 to 25:1

**Advantages**

- Excellent antibacterial performance prolongs coolant sump life.
- Extremely tight emulsion for low carry-off, low coolant addition that reduces the cost for the user.
- Provides corrosion protection and good lubrication for machine ways and indexing mechanisms.
- Low foaming characteristics make it an excellent choice for individual & centralized tank system.

**Typical Physical Properties**

These properties are typical but should not be construed as recommending the infringement of any patent.

**Appearance**

Neat	Clear Amber fluid
Stability (4°C/ambient/50°C)	Clear Stable
Specific Gravity (at 29.5°C)	1.002
Kinematic Viscosity (at 40°C)	54-60 cSt

**Emulsion Type**

pH @ 5% deionized water	9-10
pH @ 5% 500ppm hard water	9-10
Refractive Index	1.4
Cast Iron Corrosion Test (IP 287)	2.0% BP (clean paper)
TOYODA Demulsification	90/ 1 / 9

**Shelf Life**

Under normal conditions, the recommended shelf life is 12 months.

**Packaging**

Shipped in 30 Liters and 210 Liters.