



BECHEM ZD VS  
Drawing lubricant for copper wire

# Clean drawing machines thanks to ideal wetting

**BECHEM ZD VS 640** and **BECHEM ZD VS 642** are highly capable products for copper wire drawing that exceed growing customer requirements in terms of environmental regulations, optimizing processes and combining methods.

Due to their special formulation the products **BECHEM ZD VS 640** and **BECHEM ZD VS 642** achieve a high lubricity as well as excellent detergency and ensure surface qualities that do not require further treatment. Due to extended emulsion lifetime; maintenance is reduced, productivity is increased and the process is continuously improved.



» Highest efficiency and performance in copper wire drawing. «

PRODUCT	Mineral oil approx. [%]	Kinematic viscosity [mm <sup>2</sup> /s] at 20 °C	Applications	Recommended service concentration	Description	
<b>BECHEM ZD VS 640</b>	30	325	Drawing of bare, tin and silver plated copper wires in single and multi-wire systems down to smallest diameters of 0,15 mm	Rod wire drawing: Medium wire drawing: Fine wire drawing: Continuous annealing:	approx. 14 - 18 % approx. 6 - 10 % approx. 4 - 8 % approx. 1 %	Semi-synthetic, water miscible drawing lubricant with very high performance, good cleaning effect, good rinsing and residue behaviour, long emulsion life, low foaming
<b>BECHEM ZD VS 642</b>	47	150	Drawing of bare and tin plated copper wires in single and multi-wire systems down to final diameters of 0,10 mm	Medium wire drawing: Fine wire drawing (single wire): Fine wire drawing (multi wire): Continuous annealing:	approx. 6 - 8 % approx. 2 - 4 % approx. 8 - 10 % approx. 1 %	Semi-synthetic, water miscible drawing lubricant with high performance, very good cleaning effect, good rinsing and residue behaviour, long emulsion life, low foaming

All indications and values correspond to latest knowledge and do not represent any product specification