



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 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 ² /s] at 20 °C | Applications | Recommended service concentration | Description | |
|-------------------------|-------------------------|---|--|---|--|---|
| BECHEM ZD VS 640 | 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 |
| BECHEM ZD VS 642 | 47 | 150 | Drawing of bare and tin plated copper wires in single and multi-wire systems down to final diameters of 0,10 mm | Rod wire drawing: Medium wire drawing: Fine wire drawing (single wire): Fine wire drawing (multi wire): Continuous annealing: | approx. 12 – 15 % 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 |

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