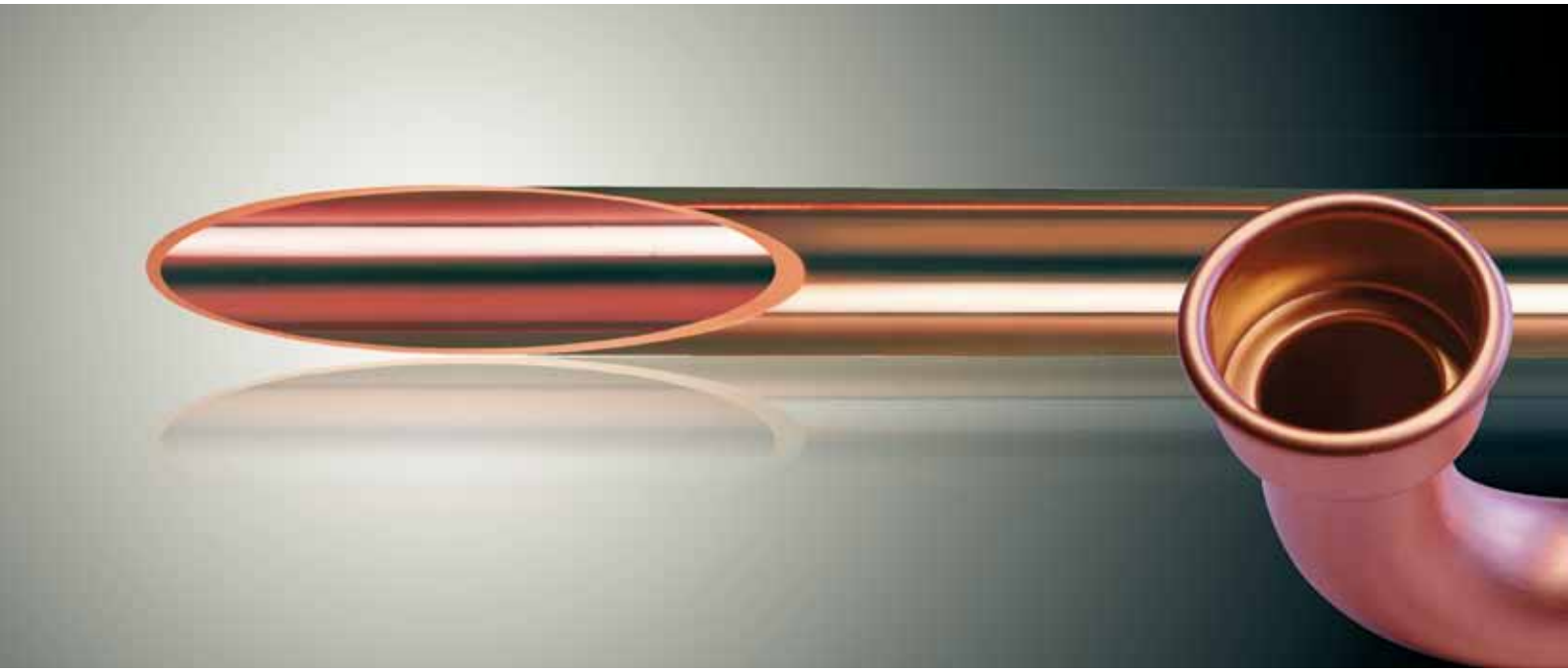
Wieland



cuproform®

Seamless industrial copper tubes with exceptional forming properties

Tube forming is the key process for many applications such as the manufacturing of connection pipes and fittings for the HVACR industry. **cuproform** has been designed for applications where the tube's forming properties are extremely demanding as compared to standard requirements.

Industrial copper tubes from conventional production do not always meet these high demands. Therefore, it is often necessary to use additional special fittings made from other materials. This results in further production steps and consequently higher production costs.

Exceptional forming properties of soft copper tube, however, can only be achieved through changes in the production process. **cuproform** meets this very high standard of formability. Controlled manufacturing conditions, which have been changed as compared to standard production, allow **cuproform** industrial copper tubes to be expanded up to 80 %.

The expansion behaviour of a material is used as a representative measure of formability. DIN EN ISO 8493 describes the respective expansion test. This test is part of the quality tests to which **cuproform** industrial copper tubes are subjected. The results of the expansion test are confirmed in the inspection certificate.

The exceptional formability of **cuproform** allows forming operations to be carried out, for example, on connection pipes, which would otherwise require the use of special fittings.

In addition to

- exceptional forming properties are tested and certified in the inspection certificate,

seamless **cuproform** industrial copper tubes offer all the advantages of copper, including:

- easy processing (soft or hard soldering)
- safe joining, high mechanical resistance
- gas- and diffusion tightness
- optimum corrosion resistance
- constant mechanical strength while in service
- 100 % recyclability

cuproform copper tubes are also available in combination with other qualities such as **cuproclean** (copper tubes with super clean inner surface).

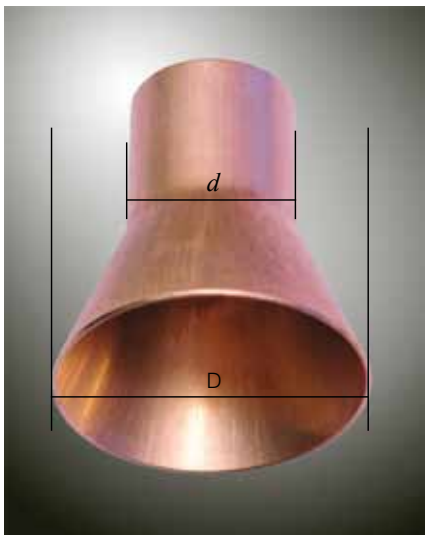
cuproform®

Technical information at a glance	
Seamless drawn copper tube	for industrial applications
Material	Cu-DHP according to DIN EN 12449
Formability	80 % expansion test according to DIN EN ISO 8493
Inspection certificate	DIN EN 10204:2004
Operating temperature range of copper	up to 250 °C operating temperature

Type of delivery	
Level-wound coils (LWC)	Light annealed: EN 12735-2, company standard R 1000
	Diameter range 6 mm to 28 mm*
	Coil weights 100, 150, 300 kg
Straight lengths	Light annealed: DIN EN 12449
	Diameter range 6 mm to 64 mm*
	Single tube lengths up to 7900 mm

*Wall thicknesses on request

Expansion



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