

BENTELER HYRESIST®

TUBES FOR HYDROGEN APPLICATIONS

BENTELER's HYRESIST tube solutions, specially developed for hydrogen applications, make an important contribution to reducing the carbon footprint through the use of green hydrogen.

HYRESIST®-tube family

HYRESIST HFS

Hot-finished seamless

- » H₂-distribution



HYRESIST CDS

Cold-drawn seamless

- » H₂-industry
& H₂-production



HYRESIST WLD

Welded & cold-drawn welded

- » H₂-industry
& H₂-production



HYRESIST MOBILITY

Cold-drawn seamless

- » H₂-driven vehicles



HYRESIST®-description

Hydrogen resistant tubes made of carbon steel

- » High purity & homogeneous microstructure
- » Excellent processability (e.g. bending, forming, welding)
- » Compliant with standards and guidelines (e.g. API 5L / ISO 3183 / DVGW / DIN EN 10305-1 / 10216-3 / EIGA Doc 121/14)

Additionally available

- » High pressure resistance (e.g. 700 bar)
 - » High temperature resistance
 - » High corrosion resistance (ZISTA)
 - » Coloured surface (e.g. RAL 3001)
 - » Low product carbon footprint
- #Climore

