



BOA-DUO® UHP (Ultra High Pressure)

Helically corrugated stainless steel hose

Double-plyed, ultra high pressure, helically corrugated metal hose, resistance welded at the crest. Due to double-plyed wall in the flank, and triple wall on the crest, highest operating reliability and highest flexibility are achieved.

BOA-DUO® UHP also has excellent properties for vibration absorption.

Design and type approval in accordance with ISO 10380 standard.

Fourfold safety against bursting!

Materials:

Corrugated hose: stainless steel 1.4404 (similar to AISI 316L)
 Braid: stainless steel 1.4301 (similar to AISI 304)

Derating factors at heavy-duty conditions see ISO 10380 standard (or our "Technical Instructions for Metal Hoses and Metal Hose Assemblies").

Application fields:

- connecting lines for gas bottles
- filling installations for gas cylinders
- universal vibration absorber
- engine construction, pumps, compressors
- all kind of pressure pipes for heavy-duty service with extreme working conditions

Temperature range: - 196°C to max. 600°C

| DN [mm] | Braid type [-] | Adm. working pressure at 20 °C [bar] | ∅ Inside [mm] | ∅ Outside [mm] | ∅ Tolerance [mm] | Bend radius | | Weight ± [kg/m] | Prod. length [m] | BOA item n° [-] |
|------------|----------------------|---|---------------------|----------------------|------------------------|-------------|---------|-----------------------|------------------------|-----------------------|
| | | | | | | static | dynamic | | | |
| 6 | B | 350 460* | 6.3 | 12.2 | ± 0.2 | 25 | 140 | 0.4 | 15-22 | M-0038493 |

Preferred series; usually available at short term

* admissible operating pressure with triple safety against bursting for applications - not needing ISO 10380-conformity.

Useful data for placing an inquiry or order:

- Item description: BOA-DUO® UHP
- BOA item n° (M-)
- Quantity

The three leaflets for metal hoses and metal hose assemblies "Technical Information", "Installation Instructions" and "Guarantee/ Delivery terms/ Conditions" are integrating part of the present product data sheet.