# BCH2

*No-Skive*

EN 857 2SC – ISO 11237




- *No-Skive* hose construction
- High performance
- NBR inner tube – extended fluid compatibility
- Meets specified working pressure and bend radius of EN 857 2SC
- Synthetic rubber cover compound
- Tight bending radius

## Primary Applications

Demanding medium pressure hydraulic applications in all markets

## Construction

Inner tube: Nitrile (NBR)
Reinforcement: Two high-tensile steel wire braids
Cover: Synthetic rubber

## Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

## Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked.
Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

## Fitting Series




| Part Number | Hose I.D. | | | | Hose O.D. | Pressure Rating: max. working pressure | | Pressure Rating: min. burst pressure | | min. bend radius | weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | DN | Inch | Size | mm | mm | MPa | psi | MPa | psi | mm | kg |
| BCH2-4 | 6 | 1/4 | -4 | 6.4 | 13.4 | 40.0 | 5800 | 160.0 | 23200 | 75 | 0.28 |
| BCH2-5 | 8 | 5/16 | -5 | 7.9 | 15.0 | 35.0 | 5000 | 140.0 | 20000 | 85 | 0.31 |
| BCH2-6 | 10 | 3/8 | -6 | 9.5 | 17.2 | 33.0 | 4800 | 132.0 | 19200 | 90 | 0.39 |
| BCH2-8 | 12 | 1/2 | -8 | 12.7 | 20.4 | 27.5 | 4000 | 110.0 | 16000 | 130 | 0.50 |
| BCH2-10 | 16 | 5/8 | -10 | 15.9 | 23.9 | 25.0 | 3600 | 100.0 | 14400 | 170 | 0.63 |
| BCH2-12 | 20 | 3/4 | -12 | 19.1 | 27.7 | 21.5 | 3100 | 86.0 | 12400 | 200 | 0.81 |
| BCH2-16 | 25 | 1 | -16 | 25.4 | 35.4 | 16.5 | 2400 | 66.0 | 9600 | 250 | 1.06 |

The combination of high temperature and high pressure could reduce the hose life.

## Hose layline example






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