# 681DB

## *No-Skive* 2TE

EN 854-2TE
(with approvals for rail transportation)




- One layer of fabric braid
- *No-Skive* hose construction
- Small bend radii
- Flame retardant rubber cover
- Railway approved:
  - European Standard EN45545 HL2 for R22 (internal) and R23 (external)
  - ISO 15540 (FS-F-Fire Sleeve needed)

### Primary Applications

General Market: Low pressure hydraulic application
Rail Transportation Market:
Hydraulic applications around train vehicles

### Type Approvals

Details please find on pages ***Ab-16*** to ***Ab-19***

### Applicable Specifications

EN 854-2TE

### Construction

Tube: Synthetic rubber
Reinforcement: One fibre braid
Cover: Flame retardant synthetic rubber

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

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

### Recommended Fluids

Petroleum based hydraulic fluids, water-glycol and water-oil emulsion hydraulic fluids, grease, lubricants, crude and fuel oils, air and water.
Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

### Fitting Series

- Compatible with 2-piece fittings for use with adjustable crimpers only (47 series nipple and 10064 series shell)

| 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 |
| 681DB-4 | 6 | 1/4 | -4 | 6.4 | 13.6 | 7.5 | 1090 | 30.0 | 4360 | 40 | 0.15 |
| 681DB-5 | 8 | 5/16 | -5 | 7.9 | 14.8 | 6.8 | 980 | 27.0 | 3920 | 50 | 0.16 |
| 681DB-6 | 10 | 3/8 | -6 | 9.5 | 16.6 | 6.3 | 910 | 25.0 | 3640 | 60 | 0.19 |
| 681DB-8 | 12 | 1/2 | -8 | 12.7 | 19.6 | 5.8 | 840 | 23.0 | 3360 | 70 | 0.24 |
| 681DB-10 | 16 | 5/8 | -10 | 15.9 | 23.9 | 5.0 | 725 | 20.0 | 2900 | 90 | 0.35 |
| 681DB-12 | 19 | 3/4 | -12 | 19.1 | 27.0 | 4.5 | 650 | 18.0 | 2600 | 110 | 0.39 |
| 681DB-16 | 25 | 1 | -16 | 25.4 | 34.4 | 4.0 | 580 | 16.0 | 2320 | 150 | 0.59 |

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

Hose layline example

**PARKER 681DB-6 WP 6,3 MPa (910 PSI) I°° 10 mm (3/8) EN854/2TE/10/DIN MADE IN ITALY**



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark