

# DIN EN 856/SAE 100 R 13

Multispiral hydraulic hose acc. to EN 856 / SAE 100 R13 – MSHA approved



## GENERAL

|                          |   |
|--------------------------|---|
| <b>Tube</b>              | Synthetic rubber, resistant against hydraulic fluids (HL, HLP, HLPD, HVLP, HFA, HFAS, HFB, HFC) |
| <b>Reinforcement</b>     | Four spiral layers DN19 – DN25 and six spiral layers DN32 – DN51 of high tensile steel wire     |
| <b>Cover</b>             | Abrasion and ozone resistant synthetic rubber – MSHA approved<br>Note: various covers available |
| <b>Temperature range</b> | -40°C to 121°C / -40°F to +250°F  |
| <b>Standard branding</b> | Mylar tape  |

## TECHNICAL DETAILS

| Nominal |       |      | Internal-Ø |      | Spiral-Ø |      | External-Ø |      | Work. pressure [max.] |      | Min. burst pressure |       | Bending radius [min.] |      | Weight approx. |      |
|---------|-------|------|------------|------|----------|------|------------|------|-----------------------|------|---------------------|-------|-----------------------|------|----------------|------|
| mm      | inch  | dash | mm         | inch | mm       | inch | mm         | inch | bar                   | psi  | bar                 | psi   | mm                    | inch | lbs/ft         | kg/m |
| 19      | 3/4   | -12  | 19.5       | 0.77 | 28.6     | 1.13 | 31.7       | 1.25 | 350                   | 5075 | 1400                | 20300 | 240                   | 9.4  | 0.97           | 1.44 |
| 25      | 1     | -16  | 25.9       | 1.02 | 35.4     | 1.39 | 38.2       | 1.50 | 350                   | 5075 | 1400                | 20300 | 300                   | 11.8 | 1.34           | 1.99 |
| 31      | 1-1/4 | -20  | 32.5       | 1.28 | 46.9     | 1.84 | 50.5       | 1.99 | 350                   | 5075 | 1400                | 20300 | 420                   | 16.5 | 2.64           | 3.93 |
| 38      | 1-1/2 | -24  | 38.7       | 1.52 | 53.9     | 2.12 | 57.4       | 2.26 | 350                   | 5075 | 1400                | 20300 | 500                   | 19.7 | 3.31           | 4.93 |
| 51      | 2     | -32  | 51.1       | 2.01 | 67.9     | 2.67 | 71.5       | 2.81 | 350                   | 5075 | 1400                | 20300 | 630                   | 24.8 | 4.64           | 6.90 |

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