

# NY 100

## Thermoplastic high pressure hose

### Properties

|                         |  |
|-------------------------|--|
| <b>Application</b>      | medium high pressure circuits<br>High pressure lubrication lines<br>Agricultural machines<br>Forklift trucks |
| <b>Special features</b> | high ozone and abrasion resistance<br>good chemical resistance<br>low volumetric expansion                   |
| <b>Inner layer</b>      | Polyester elastomer  |
| <b>Insert</b>           | one high tensile steel wire braided insert   |
| <b>Outer layer</b>      | Polyurethane   |
| <b>Colour</b>           | black  |
| <b>Temp. min.</b>       | -40 °C   |
| <b>Temp. max.</b>       | 100 °C   |
| <b>Elongation</b>       | + 2 % to - 4 %   |
| <b>Media</b>            | Mineral oil<br>Polyglycol based oil<br>Water (0°C to + 60°C)<br>Water-oil emulsions (up to 60°C)             |



### Note

The change in length of the hose is determined at max. working pressure during testing to EN ISO 1402.

### Item

| Identification | DN* | Size | Inches | Internal Ø<br>(mm) | External Ø<br>(mm) | Operating pressure<br>(bar) | Burst pressure<br>(bar) | Min. bending radius<br>(mm) |
|----------------|-----|------|--------|--------------------|--------------------|-----------------------------|-------------------------|-----------------------------|
| NY 104         | 5   | 3    | 3/16"  | 5,0                | 9,3                | 300,0                       | 1200                    | 25                          |
| NY 106         | 6   | 4    | 1/4"   | 6,0                | 11,5               | 300,0                       | 1200                    | 35                          |
| NY 108         | 8   | 5    | 5/16"  | 8,0                | 13,3               | 225,0                       | 900                     | 40                          |
| NY 110         | 10  | 6    | 3/8"   | 10,0               | 15,0               | 225,0                       | 900                     | 60                          |
| NY 113         | 12  | 8    | 1/2"   | 12,0               | 18,3               | 180,0                       | 655                     | 70                          |
| NY 116         | 16  | 10   | 5/8"   | 16,0               | 21,6               | 140,0                       | 540                     | 110                         |
| NY 120         | 19  | 12   | 3/4"   | 19,4               | 26,7               | 125,0                       | 500                     | 170                         |
| NY 125         | 25  | 16   | 1"     | 25,0               | 33,5               | 100,0                       | 400                     | 230                         |

DN = Nominal diameter, nominal width