

# Hyperline FX Stainless steel braid (SS) grade hoses



Hyperline FX

## Features and benefits

- Patented liner provides unequalled flexibility and kink resistance
- Excellent chemical resistance
- Smooth bore for fast flow and easy clean
- Resistant to diffusion of liquids and gases



## Hyperline FX Stainless steel braid (SS) grade hoses performance

| Hose Bore Size | dash size | Actual Hose Bore Size |               | Hose | Outside Diameter of Tube or Braid |               | Minimum Bend Radius |    | Maximum Working Pressure (MWP) |      | Burst Pressure |      | Weight per Unit Length |        | *Part Number    |
|----------------|-----------|-----------------------|---------------|------|-----------------------------------|---------------|---------------------|----|--------------------------------|------|----------------|------|------------------------|--------|-----------------|
|                |           | in                    | mm            |      | in                                | mm            | in                  | mm | Bar                            | Psi  | Bar            | Psi  | Kg/mtr                 | Lbs/Ft |                 |
| 1/4            | 4         | 0.250 - 0.280         | 6.34 - 7.12   | SS   | 0.355 - 0.395                     | 9.02 - 10.04  | 3/4                 | 19 | 110                            | 1595 | 330            | 4786 | 0.092                  | 0.062  | 92-100-04-01-02 |
| 5/16           | 5         | 0.302 - 0.328         | 7.66 - 8.33   | SS   | 0.424 - 0.458                     | 10.77 - 11.63 | 3/4                 | 19 | 105                            | 1522 | 315            | 4569 | 0.126                  | 0.084  | 92-100-05-01-02 |
| 3/8            | 6         | 0.376 - 0.406         | 9.54 - 10.32  | SS   | 0.502 - 0.542                     | 12.75 - 13.64 | 1                   | 25 | 100                            | 1450 | 300            | 4351 | 0.160                  | 0.151  | 92-100-06-01-02 |
| 1/2            | 8         | 0.515 - 0.545         | 13.07 - 13.85 | SS   | 0.655 - 0.695                     | 16.64 - 17.66 | 1 1/2               | 38 | 75                             | 1087 | 225            | 3263 | 0.225                  | 0.151  | 92-100-08-01-02 |
| 5/8            | 10        | 0.635 - 0.665         | 16.12 - 16.89 | SS   | 0.810 - 0.850                     | 20.57 - 21.59 | 2                   | 50 | 62                             | 899  | 186            | 2698 | 0.336                  | 0.226  | 92-100-10-01-02 |
| 3/4            | 12        | 0.760 - 0.790         | 19.30 - 20.07 | SS   | 0.950 - 0.990                     | 24.13 - 25.15 | 2 1/2               | 63 | 52                             | 754  | 156            | 2263 | 0.383                  | 0.257  | 92-100-12-01-02 |
| 1              | 16        | 1.005 - 1.035         | 25.52 - 26.29 | SS   | 1.227 - 1.269                     | 31.15 - 32.23 | 3                   | 75 | 50                             | 725  | 150            | 2176 | 0.540                  | 0.362  | 92-100-16-01-02 |

\*For anti-static grade, add 10 to the 3-digit part number e.g. 92-100- becomes 92-110.

The performance testing results stated in the above table have been carried out at ambient temperature, in a controlled laboratory environment, using water as the media. We recommend that the customer carries out stringent application performance testing on the hose, using the actual working conditions over a set period of time to validate the hose.

## Technical specifications

|                              | Hyperline FX Stainless steel braid (SS) grade hoses                                                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal bore size            | 6 - 25 mm (0.25 - 1 in)                                                                                                                                                                  |
| Actual bore size             | 6.8 - 26 mm (0.27 - 1.023 in)                                                                                                                                                            |
| Length                       | 18 m (60 ft)                                                                                                                                                                             |
| Outside diameter             | 9.6 - 31.7 mm (0.378 - 1.25 in)                                                                                                                                                          |
| Max. operating pressure      | 88 bar (1280 psi)                                                                                                                                                                        |
| Burst pressure               | 120 - 264 bar (1740 - 3,840 psi)                                                                                                                                                         |
| Certification and compliance | 3.1 Traceability, EN16643:2016, FDA (materials), SAE J1737, TS 16949:2016                                                                                                                |
| Operating temperature        | -73 °C to 260 °C (-100 °F to 500 °F)                                                                                                                                                     |
| Bend radius                  | 19 - 75 mm (0.75 - 3 in)                                                                                                                                                                 |
| Weight per unit length       | 0.092 - 0.54 kg/m                                                                                                                                                                        |
| Weight per unit length       | 0.062 - 0.362 lb/ft                                                                                                                                                                      |
| Cover                        | None                                                                                                                                                                                     |
| End fitting                  | BSP and NPT threaded fittings, CAM and groove fittings, DIN 11851 fittings, ENCAP end fittings, JIC fittings, PTFE dip pipe fittings, Sanitary triclamp fittings, Swivel flange fittings |
| Vacuum resistance            | Vacuum resistant to -0.9 bar up to 150 °C (302 °F)                                                                                                                                       |

## Materials of construction

|            | Hyperline FX Stainless steel braid (SS) grade hoses |
|------------|-----------------------------------------------------|
| Liner tube | Anti-static PTFE, Natural PTFE                      |
| Braid      | Stainless steel                                     |

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