

# **Freeflo**<sup>™</sup>**Screens**

Weatherford Freeflo screens have been the industry-leading pipe-based, slip-on screens for more than 30 years. A wide variety of keystone and house-shape wires in a range of metallurgies are available, including heavy-duty surface wire for increased erosion resisance. The high-performance Freeflo screens are engineered to meet client requirements.

## **Applications**

- Gravel-pack completions with low pump rates and pressures
- Long-radius, openhole, stand-alone completions in well-sorted homogenous reservoirs
- · Applications with low drawdown pressures

## Features, Advantages, and Benefits

- The custom wire-to-axial support rod design provides exacting tolerances to achieve the optimal performance in a pipe-based, slip-on screen.
- The heat-resistant welding of the surface wire to the support rods enhances strength and durability.
- The extra support ribs create a stronger and rounder screen jacket, which provides consistent slot control for better sand retention and mud flowback prevention.
- The specially designed end rings provide greater jacket-to-base-pipe strength.





## Freeflo<sup>™</sup> Screens

#### **Specifications**

|               | Base Pi           | ре                      | End Ring                            |                                  | Screen <sup>1</sup>                 |                                  |  |   |   |  |
|---------------|-------------------|-------------------------|-------------------------------------|----------------------------------|-------------------------------------|----------------------------------|--|---|---|--|
| Size<br>(in.) | Weight<br>(lb/ft) | ID<br>(in., <i>mm</i> ) | Keystone<br>OD<br>(in., <i>mm</i> ) | House<br>OD<br>(in., <i>mm</i> ) | Keystone<br>OD<br>(in., <i>mm</i> ) | House<br>OD<br>(in., <i>mm</i> ) | Tensile<br>Strength²<br>(lb, <i>kg</i> ) | Maximum<br>Bend Angle <sup>3</sup><br>(°/100 ft)/(°/30.5 m) | Burst<br>Resistance<br>(psi, <i>kPa</i> ) | Collapse<br>Resistance<br>(psi, <i>kPa</i> ) |
| 2 3/8         | 4.6               | 1.995<br>50.67          | 2.93<br>74.30                       | 2.97<br>75.44                    | 2.73<br>69.22                       | 2.77<br>70.36                    | 88,690<br><i>40,229</i>                  | 90  | 2,750<br>18,961                           | 1,875<br><i>12,</i> 928                      |
| 2 7/8         | 6.4               | 2.441<br>62.00          | 3.43<br>87.00                       | 3.47<br>88.14                    | 3.23<br>81.92                       | 3.27<br>83.06                    | 123,220<br>55,892                        | 90  | 2,375<br>16,375                           | 1,590<br><i>10,963</i>                       |
| 3 1/2         | 9.2               | 2.992<br>76.00          | 4.05<br>102.87                      | 4.10<br>104.01                   | 3.85<br>97.79                       | 3.90<br>98.93                    | 176,130<br><i>79,891</i>                 | 90  | 2,015<br><i>13,8</i> 93                   | 1,360<br>9,377                               |
| 4             | 9.5               | 3.548<br>90.12          | 4.55<br>115.57                      | 4.60<br>116.71                   | 4.35<br>110.49                      | 4.40<br>111.63                   | 182,210<br><i>82,64</i> 9                | 90  | 1,805<br><i>12,445</i>                    | 1,205<br>8,308                               |
| 4 1/2         | 11.6              | 4.000<br>101.60         | 5.05<br>128.27                      | 5.10<br>129.41                   | 4.85<br>123.19                      | 4.90<br>124.33                   | 226,980<br>102,956                       | 82  | 1,630<br><i>11,238</i>                    | 1,080<br>7,446                               |
| 5             | 15.0              | 4.408<br>111.96         | 5.55<br>140.97                      | 5.60<br>142.11                   | 5.35<br>135.89                      | 5.40<br>137.03                   | 297,450<br>134,921                       | 73  | 1,490<br><i>10,2</i> 73                   | 1,010<br><i>6,964</i>                        |
| 5 1/2         | 17.0              | 4.892<br>124.26         | 6.05<br>153.67                      | 6.10<br>154.81                   | 5.85<br>148.59                      | 5.90<br>149.73                   | 337,440<br>153,060                       | 66  | 1,370<br><i>9,44</i> 6                    | 955<br>6,584                                 |
| 6 5/8         | 24.0              | 5.920<br>150.37         | 7.18<br>182.25                      | 7.22<br>183.39                   | 6.98<br>177.17                      | 7.02<br>178.31                   | 472,340<br>214,250                       | 55  | 1,155<br>7,963                            | 860<br>5,929                                 |

Notes

<sup>1</sup> All values are based on 316L screen jackets.

 $^{\mbox{\tiny 2.}}$  The screen tensile strength is based on L80 base pipe.

<sup>a</sup> The maximum bend angle for the screen may exceed the allowable bend angle for some threads. See the thread manufacturer's specifications.

## **Options**

Freeflo screens are available in multiple configurations and are engineering to meet client requirements.

House-shape Wrap Wire





Rib Wire



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