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## Standard Universal Hoses

### Working and Burst pressure guidelines

| Burst Pressure Guidelines - Polyester Reinforced |        |              |           |                |                              |                              |
|--|--------|--------------|-----------|----------------|------------------------------|------------------------------|
| Inside Diameter (Bore)                           |        | No. of Plies | Wall (mm) | Burst Pressure | Working at 3:1 Safety Factor | Working at 4:1 Safety Factor |
| MM   | Inches |              |           | BAR            | BAR                          | BAR                          |
| 6  | 1/4"   | 3            | 3.8       | 77.7           | 25.9                         | 19.4                         |
| 8  | 5/16"  | 3            | 3.8       | 65             | 21.7                         | 16.3                         |
| 9.5  | 3/8"   | 3            | 3.8       | 56.1           | 18.7                         | 14                           |
| 12.5   | 1/2"   | 3            | 3.8       | 43             | 14.3                         | 10.7                         |
| 16   | 5/8"   | 3            | 3.8       | 35.9           | 12                           | 9                            |
| 19   | 3/4"   | 3            | 3.8       | 31             | 10.3                         | 7.8                          |
| 22   | 7/8"   | 3            | 3.8       | 27.4           | 9.1                          | 6.8                          |
| 25   | 1"     | 3            | 3.8       | 24.6           | 8.2                          | 6.1                          |
| 28   | 1 1/8" | 3            | 3.8       | 22.3           | 7.4                          | 5.6                          |
| 32   | 1 1/4" | 3            | 3.8       | 19.9           | 6.6                          | 5                            |
| 35   | 1 3/8" | 3            | 3.8       | 18.4           | 6.1                          | 4.6                          |
| 38   | 1 1/2" | 3            | 3.8       | 17.2           | 5.7                          | 4.3                          |
| 41   | 1 5/8" | 3            | 3.8       | 16.1           | 5.4                          | 4                            |
| 44   | 1 3/4" | 3            | 3.8       | 14.8           | 4.9                          | 3.7                          |
| 48   | 1 7/8" | 3            | 3.8       | 14.1           | 4.7                          | 3.5                          |
| 51   | 2"     | 4            | 5         | 13.3           | 4.4                          | 3.3                          |
| 54   | 2 1/8" | 4            | 5         | 16.2           | 5.4                          | 4.1                          |
| 57   | 2 1/4" | 4            | 5         | 15.5           | 5.2                          | 3.9                          |
| 60   | 2 3/8" | 4            | 5         | 14.9           | 5                            | 3.7                          |
| 63   | 2 1/2" | 4            | 5         | 14.3           | 4.8                          | 3.6                          |
| 76   | 3"     | 4            | 5         | 12.3           | 4.1                          | 3.1                          |
| 89   | 3 1/2" | 5            | 5.8       | 11.9           | 4                            | 3                            |
| 102  | 4"     | 5            | 5.8       | 9.8            | 3.3                          | 2.4                          |
| 127  | 5"     | 6            | 6.5       | 8.2            | 2.7                          | 2.1                          |
| 152  | 6"     | 6            | 6.5       | 7.1            | 2.4                          | 1.8                          |

**Note:** Kinks, sharp bends or deformed areas in the hose after installation may significantly impact on the longevity of the hose.

If you require further information about the suitability of a hose for your desired application, please contact us directly at [Info@siliconhoses.com](mailto:Info@siliconhoses.com)