

1SN EN 853 / SAE 100 R1 AT PLUS

Applicable Standard

SAE J517 100 R1 AT  
EN 853 1SN

Liner

Oil resistant synthetic rubber

Reinforcement

One braid of high tensile steel wire

Cover

Oil and weather resistant black synthetic rubber MSHA approved

Application

Medium pressure and high temperature hydraulics lines

Temperature

Hydraulics Oils: from -40°C to 135°C (from -40°F to 275°F)  
Water Glycol Hydraulic Fluids: from 0°C to 85°C (from 32°F to 185°F)  
Water: from 0°C to 85°C (from 32°F to 185°F)  
Air:



|  |  |  |  |  |  |  |     |      |     |       |     |      |      |       |
|--|---|---|---|---|---|---|-----|------|-----|-------|-----|------|------|-------|
|  | DN  | dash size   | inch  | mm  | mm  | inch  | bar | psi  | bar | psi   | mm  | inch | g/m  | lb/ft |
| 3201342  | 6   | -4  | 1/4   | 6,4   | 14,1  | 0,555   | 192 | 2750 | 900 | 13054 | 100 | 4    | 2,1  | 0,14  |
|    | SAE 100 R1 AT 6 Plus 1/4" +135°C WP 192 bar (2780 psi) MSHA IC-XX/XXX             |   |   |   |   |   |     |      |     |       |     |      |      |       |
| 3201343  | 10  | -6  | 3/8   | 9,5   | 18,1  | 0,712   | 157 | 2250 | 720 | 10443 | 125 | 5    | 6    | 0,403 |
|    | SAE 100 R1 AT 10 Plus 3/8" +135°C WP 157 bar (2275 psi) MSHA IC-XX/XXX            |   |   |   |   |   |     |      |     |       |     |      |      |       |
| 3201344  | 12  | -8  | 1/2   | 12,7  | 21,5  | 0,846   | 140 | 2000 | 640 | 9283  | 180 | 7    | 8    | 0,538 |
|   | SAE 100 R1 AT 12 Plus 1/2" +135°C WP 140 bar (2030 psi) MSHA IC-XX/XXX            |   |   |   |   |   |     |      |     |       |     |      |      |       |
| 3663400  | 16  | -10   | 5/8   | 15,9  | 24,7  | 0,972   | 105 | 1500 | 520 | 7542  | 200 | 8    | 11   | 0,739 |
|  | SAE 100 R1 AT 16 Plus 5/8" +135°C WP 105 bar (1520 psi) MSHA IC-XX/XXX            |   |   |   |   |   |     |      |     |       |     |      |      |       |
| 3201345  | 19  | -12   | 3/4   | 19,1  | 28,6  | 1,125   | 87  | 1250 | 420 | 6092  | 240 | 9,5  | 14   | 0,941 |
|  | SAE 100 R1 AT 19 Plus 3/4" +135°C WP 87 bar (1260 psi) MSHA IC-XX/XXX             |   |   |   |   |   |     |      |     |       |     |      |      |       |
| 3201346  | 25  | -16   | 1   | 25,4  | 36,6  | 1,440   | 70  | 1000 | 350 | 5077  | 300 | 12   | 19,9 | 1,337 |
|  | SAE 100 R1 AT 25 Plus 1" +135°C WP 70 bar (1015 psi) MSHA IC-XX/XXX               |   |   |   |   |   |     |      |     |       |     |      |      |       |
| 3198514  | 31  | -20   | 1 1/4   | 31,8  | 44,8  | 1,763   | 43  | 625  | 250 | 3626  | 420 | 16,5 | 25,9 | 1,74  |
|  | SAE 100 R1 AT 31 Plus 1 1/4" +135°C WP 43 bar (620 psi) MSHA IC-XX/XXX            |   |   |   |   |   |     |      |     |       |     |      |      |       |
| 3201348  | 38  | -24   | 1 1/2   | 38,1  | 52  | 2,047   | 35  | 500  | 200 | 2901  | 500 | 20   | 29,9 | 2,009 |
|  | SAE 100 R1 AT 38 Plus 1 1/2" +135°C WP 35 bar (505 psi) MSHA IC-XX/XXX            |   |   |   |   |   |     |      |     |       |     |      |      |       |
| 3663401  | 51  | -32   | 2   | 50,8  | 65,9  | 2,594   | 26  | 375  | 160 | 2321  | 630 | 25   | 40,9 | 2,748 |
|  | SAE 100 R1 AT 51 Plus 2" +135°C WP 26 bar (375 psi) MSHA IC-XX/XXX                |   |   |   |   |   |     |      |     |       |     |      |      |       |

This hose fits with MN couplings