

## PH255 - R1AT / 1SN HIGH TEMPERATURE MSHA

**Applicable Standard :** SAE J517-100R1AT / EN 853-1SN / ISO 1436



## Construction

|                      |                                                                                                                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inner tube</b>    | Black Color, Synthetic rubber resistant to oil and water                                                                                                                                                                 |
| <b>Reinforcement</b> | Single steel wire braid                                                                                                                                                                                                  |
| <b>Cover</b>         | Black colour, Synthetic rubber resistant to abrasion and weather, oil & ozone. Available in wrap and smooth finish*                                                                                                      |
| <b>Application</b>   | Medium Pressure Hydraulic Lines 10 to 250 bar. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agriculture, Earthmoving & Material handling equipment and machineries/systems |

**Note :** Sizes 2-1/2" to 4" are not covered under SAE J517-100R1AT/EN 853-1SN

| Item Code | Dash Size | DN  | ID    |       | OD   |       | WP   |     | BP    |      | BR/r |      | W     | Qty (ft) | Type | No of sections |
|-----------|-----------|-----|-------|-------|------|-------|------|-----|-------|------|------|------|-------|----------|------|----------------|
|           |           |     | inch  | mm    | inch | mm    | psi  | bar | psi   | bar  | inch | mm   | kg/m  |          |      |                |
| PH255-03  | -03       | 05  | 3/16  | 5.1   | 0.45 | 11.5  | 3625 | 250 | 14500 | 1000 | 3.5  | 90   | 0.205 |          |      |                |
| PH255-04  | -04       | 06  | 1/4   | 6.7   | 0.52 | 13.1  | 3265 | 225 | 13050 | 900  | 3.9  | 100  | 0.262 |          |      |                |
| PH255-05  | -05       | 08  | 5/16  | 8.2   | 0.58 | 14.7  | 3120 | 215 | 12470 | 860  | 4.5  | 115  | 0.283 |          |      |                |
| PH255-06  | -06       | 10  | 3/8   | 9.8   | 0.67 | 17.1  | 2610 | 180 | 10440 | 720  | 4.9  | 125  | 0.383 |          |      |                |
| PH255-08  | -08       | 12  | 1/2   | 13.1  | 0.80 | 20.2  | 2320 | 160 | 9280  | 640  | 7.1  | 180  | 0.438 |          |      |                |
| PH255-10  | -10       | 16  | 5/8   | 16.2  | 0.92 | 23.3  | 1885 | 130 | 7540  | 520  | 7.9  | 200  | 0.536 |          |      |                |
| PH255-12  | -12       | 19  | 3/4   | 19.3  | 1.07 | 27.3  | 1525 | 105 | 6090  | 420  | 9.4  | 240  | 0.675 |          |      |                |
| PH255-16  | -16       | 25  | 1     | 25.9  | 1.39 | 35.3  | 1305 | 90  | 5150  | 355  | 11.8 | 300  | 1.008 |          |      |                |
| PH255-20  | -20       | 31  | 1.1/4 | 32.4  | 1.69 | 43.0  | 945  | 65  | 3700  | 255  | 16.5 | 420  | 1.443 |          |      |                |
| PH255-24  | -24       | 38  | 1.1/2 | 38.7  | 1.97 | 50.1  | 725  | 50  | 2900  | 200  | 19.7 | 500  | 1.735 |          |      |                |
| PH255-32  | -32       | 51  | 2     | 51.3  | 2.50 | 63.4  | 580  | 40  | 2320  | 160  | 24.8 | 630  | 2.352 |          |      |                |
| PH255-40  | -40       | 63  | 2.1/2 | 63.5  | 2.99 | 76.0  | 580  | 40  | 2105  | 145  | 29.9 | 760  | 2.640 |          |      |                |
| PH255-48  | -48       | 76  | 3     | 76.2  | 3.56 | 90.5  | 510  | 35  | 2030  | 140  | 35.4 | 900  | 3.798 |          |      |                |
| PH255-64  | -64       | 100 | 4     | 101.6 | 4.61 | 117.0 | 145  | 10  | 580   | 40   | 46.1 | 1170 | 4.928 |          |      |                |



**Temperature Range :** -40°C to +135°C

**Impulse Cycles :** 150,000; Tested upto 300,000 cycles, upto 1" I.D

**\*Smooth cover available only upto size 1"**