

## PH146 - R5

Applicable Standard : SAE J517 - 100R5



## Construction

|                      |                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inner tube</b>    | Black colour, synthetic rubber resistant to oil and water                                                                                                                                                               |
| <b>Reinforcement</b> | Single steel wire braid                                                                                                                                                                                                 |
| <b>Cover</b>         | Black colour, single braid of textile fiber                                                                                                                                                                             |
| <b>Application</b>   | Medium pressure hydraulic lines 25 to 210 bar for use with fluids in hydraulic systems can also be used in air and water. Suitable for Agriculture, Earthmoving & material handling equipment and machineries / systems |

### Cover Options

PH141 : Rubber

**Note :** 2",2-1/2",3" are not covered under SAE 100R5

| Item Code | Dash Size | DN | ID      |      | OD   |       | WP   |     | BP    |     | BR/r |     | W     |
|-----------|-----------|----|---------|------|------|-------|------|-----|-------|-----|------|-----|-------|
|           |           |    | inch    | mm   | inch | mm    | psi  | bar | psi   | bar | inch | mm  | kg/m  |
| PH146-04  | -04       | 05 | 3/16    | 5.1  | 0.52 | 13.2  | 3045 | 210 | 12180 | 840 | 3.0  | 75  | 0.228 |
| PH146-05  | -05       | 06 | 1/4     | 6.8  | 0.58 | 14.8  | 3045 | 210 | 12180 | 840 | 3.3  | 85  | 0.281 |
| PH146-06  | -06       | 08 | 5/16    | 8.3  | 0.68 | 17.15 | 2320 | 160 | 9135  | 630 | 3.9  | 100 | 0.343 |
| PH146-08  | -08       | 10 | 13/32   | 10.7 | 0.77 | 19.45 | 2030 | 140 | 8120  | 560 | 4.5  | 115 | 0.405 |
| PH146-10  | -10       | 12 | 1/2     | 13.2 | 0.92 | 23.4  | 1815 | 125 | 7105  | 490 | 5.5  | 140 | 0.549 |
| PH146-12  | -12       | 16 | 5/8     | 16.4 | 1.08 | 27.4  | 1525 | 105 | 6090  | 420 | 6.5  | 165 | 0.702 |
| PH146-16  | -16       | 22 | 7/8     | 22.7 | 1.24 | 31.4  | 870  | 60  | 3265  | 225 | 7.3  | 185 | 0.702 |
| PH146-20  | -20       | 30 | 1.1/8   | 29.2 | 1.50 | 38.1  | 655  | 45  | 2540  | 175 | 9.1  | 230 | 0.905 |
| PH146-24  | -24       | 35 | 1.3/8   | 35.5 | 1.75 | 44.45 | 510  | 35  | 2030  | 140 | 10.4 | 265 | 1.295 |
| PH146-32  | -32       | 45 | 1.13/16 | 46.6 | 2.22 | 56.4  | 365  | 25  | 1450  | 100 | 13.2 | 335 | 1.572 |
| PH146-32  | -32       | 51 | 2       | 51.0 | 2.48 | 63.0  | 365  | 25  | 1450  | 100 | 24.0 | 610 | 1.819 |
| PH146-40  | -40       | 60 | 2.3/8   | 61.1 | 2.87 | 73.0  | 365  | 25  | 1450  | 100 | 24.0 | 610 | 2.320 |
| PH146-40  | -40       | 63 | 2.1/2   | 63.5 | 2.95 | 75.0  | 510  | 35  | 2030  | 140 | 29.5 | 750 | 2.220 |
| PH146-48  | -48       | 76 | 3       | 76.0 | 3.50 | 89.0  | 510  | 35  | 2030  | 140 | 35.4 | 900 | 2.745 |



**Temperature Range :** Continuous: -40°C to +100°C for air application temp should be max +80°C and for water +90°C