

## PH149 - HIGH PRESSURE HYDRAULIC HOSE - R8

Applicable Standard : SAE 100R8 / DIN EN ISO 3949



### Construction

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inner tube</b>    | Thermoplastic Elastomer                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reinforcement</b> | One or more Braids of Aramid Fiber                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cover</b>         | Polyurethane, Black Colour, Pin pricked                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Application</b>   | High Pressure hydraulic lines 100 to 420 bar compact, high pressure, light weight and low change in length. Suitable for hydraulic application with increased resistance to abrasion for use with petroleum, synthetic or water based fluids in hydraulic system. Suitable for Agricultural machinery, Earthmoving, safety, Rescue and material handling equipment, Also suitable for industrial gases and other applications. please consult manufacturer |

#### Other Options

PH152 : Electrical non conductive application, Orange colour cover

| Item Code | Dash Size | DN | ID    |      | OD    |      | WP   |     | BP    |      | BR/r |     | W   |
|-----------|-----------|----|-------|------|-------|------|------|-----|-------|------|------|-----|-----|
|           |           |    | inch  | mm   | inch  | mm   | psi  | bar | psi   | bar  | inch | mm  | g/m |
| PH149-02  | -02       | 03 | 1/8   | 3.2  | 0.320 | 8.1  | 6000 | 420 | 24000 | 1680 | 1.0  | 25  | 57  |
| PH149-03  | -03       | 05 | 3/16  | 4.8  | 0.405 | 10.3 | 5000 | 350 | 20000 | 1400 | 1.0  | 25  | 87  |
| PH149-04  | -04       | 06 | 1/4   | 6.4  | 0.490 | 12.4 | 5000 | 350 | 20000 | 1400 | 1.3  | 32  | 118 |
| PH149-05  | -05       | 08 | 5/16  | 8.0  | 0.560 | 14.2 | 4350 | 300 | 17400 | 1200 | 1.8  | 45  | 147 |
| PH149-06  | -06       | 10 | 3/8   | 9.5  | 0.620 | 15.7 | 4000 | 280 | 16000 | 1120 | 2.2  | 55  | 170 |
| PH149-08  | -08       | 12 | 1/2   | 12.7 | 0.760 | 19.3 | 3500 | 245 | 14000 | 980  | 3.0  | 77  | 219 |
| PH149-10  | -10       | 16 | 5/8   | 16.0 | 0.910 | 23.1 | 2900 | 200 | 11600 | 800  | 4.3  | 110 | 295 |
| PH149-12  | -12       | 20 | 3/4   | 19.0 | 1.040 | 26.4 | 2300 | 165 | 9200  | 660  | 5.5  | 140 | 372 |
| PH149-16  | -16       | 25 | 1     | 25.4 | 1.310 | 33.3 | 2000 | 140 | 8000  | 560  | 8.0  | 200 | 511 |
| PH149-20  | -20       | 32 | 1.1/4 | 31.8 | 1.654 | 42.0 | 1500 | 100 | 6000  | 400  | 14.0 | 350 | 750 |



**Temperature Range** : Continuous: -40°C to +100°C Temp. not to exceed +70°C for Air and Water based fluids