

# R15

EXTRA ABRASION RESISTANT  
VERY HIGH PRESSURE FRAS MULTI-SPIRAL HOSE

Brand

**RYCO**



#### Recommended For:

Very high pressure hydraulic oil lines, in applications where the outside cover of the hoses is subjected to abrasion that may cause premature failure of standard hoses.

#### Performance:

Meets or Exceeds the Requirements of SAE 100R15

#### Tube:

Black, oil resistant synthetic rubber..

#### Reinforcement:

Four alternating layers of spiralled high tensile steel wire.

#### Cover:

**DIEHARD™** Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant.

#### Fras - Flame Resistance and Anti-Static:

**DIEHARD™** complies with Flame Resistant and Electrical Resistant (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

#### Temperature Range:

From -40 °C to +121 °C (-40 °F to + 250 °F )  
For water, emulsion etc.

#### Working Pressure:

Maximum working pressure are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

#### Third Party Approvals:

ABS, DNV-GL, LR, MED, USGC, GOST-R, BV, RINA, & KR.



FLEXITUBE ENGINEERING SDN. BHD. (1034024-V)  
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| R15 - DIEHARD SPIRAL HOSE |           |      |  |        |  |      |  |       |  |        |  |       |  |       |
|---------------------------|-----------|------|-----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|-------|
| PART NO                   | HOSE SIZE |      | NOMINAL HOSE ID                                                                   |        | NOMINAL HOSE OD                                                                   |      | MAXIMUM WORKING PRESSURE                                                          |       | MINIMUM BURST PRESSURE                                                              |        | MINIMUM BEND RADIUS                                                                 |       | AVERAGE WEIGHT                                                                      |       |
| Hose                      | DN        | Dash | mm                                                                                | inch   | mm                                                                                | inch | bar                                                                               | psi   | bar                                                                                 | psi    | mm                                                                                  | inch  | kg/m                                                                                | lb/ft |
| R1512D                    | DN19      | -12  | 19.3                                                                              | 3/4"   | 32.1                                                                              | 1.26 | 420                                                                               | 6,100 | 1,680                                                                               | 24,400 | 265                                                                                 | 10.43 | 1.47                                                                                | 0.99  |
| R1516D                    | DN25      | -16  | 25.8                                                                              | 1"     | 38.8                                                                              | 1.53 | 420                                                                               | 6,100 | 1,680                                                                               | 24,400 | 330                                                                                 | 12.99 | 2.07                                                                                | 1.39  |
| R1520D                    | DN31      | -20  | 32.2                                                                              | 1 1/4" | 50.5                                                                              | 1.99 | 420                                                                               | 6,100 | 1,680                                                                               | 24,400 | 445                                                                                 | 17.52 | 3.59                                                                                | 2.41  |
| R1524D                    | DN38      | -24  | 38.6                                                                              | 1 1/2" | 57.6                                                                              | 2.27 | 420                                                                               | 6,100 | 1,680                                                                               | 24,400 | 530                                                                                 | 20.87 | 4.60                                                                                | 3.09  |
| R1532D                    | DN51      | -32  | 51.4                                                                              | 2"     | 72.0                                                                              | 2.83 | 420                                                                               | 6,100 | 1,680                                                                               | 24,400 | 630                                                                                 | 24.80 | 6.61                                                                                | 4.44  |



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