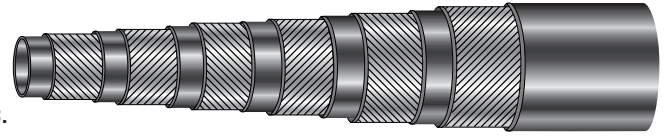


# AVENGER H13A

EXTREMELY HIGH PRESSURE SPIRAL HOSE



Meets or exceeds the performance requirements of SAE 100R13, AS 3791 100R13, EN 856 Type R13, ISO 3862 Type R13. Third Party approvals: ABS, DNV, GL, LR, MED, USCG (see page 22).

**Recommended For:**

Extremely high pressure hydraulic oil lines. The extra high working pressures and excellent impulse life when tested to SAE 100R13 test conditions result in, increased service life and minimise equipment downtime.

**Tube:**

Black, oil resistant synthetic rubber.

**Reinforcement:**

**Sizes -12 & -16:**

Four alternating layers of spiralled high tensile steel wire.

**Sizes -20 to -32:**

Six alternating layers of spiralled high tensile steel wire.

**Cover:**

Black, oil resistant and abrasion resistant synthetic rubber. Highly visible layline branding for easy and permanent identification. No skiving required with T900 Series BITELOK Crimp Couplings.

**Temperature Range:**

From -40°C to +121°C (-40°F to +250°F). For water, emulsions etc. see page 29.

**Working Pressure:**

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

**Flame Resistance:**

Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

**Couplings:**

**BITELOK NON-SKIVE ONE-PIECE CRIMP**

T900 Series (sizes -12 to -32) pages 153 to 161. Assembly Instructions page 404.

**BITELOK SKIVE ONE-PIECE CRIMP**

T700 Series (sizes -12 to -20) pages 134 to 152. Assembly Instructions page 405.

**BITELOK SKIVE TWO-PIECE CRIMP**

6900K Series (sizes -20 to -32) pages 168 to 169. 6900T Series (size -32) page 169. Available only as Factory Fitted Hose Assemblies.

**H13A Hose Working Pressures**

1 bar = 14.5 psi 1 MPa = 10 bar

| PART NO | HOSE SIZE ID |       |      | MAXIMUM WORKING PRESSURE |      | MINIMUM BURST PRESSURE |       |
|---------|--------------|-------|------|--------------------------|------|------------------------|-------|
|         | DN           | inch  | Dash | bar                      | psi  | bar                    | psi   |
| H1312A  | 19           | 3/4   | -12  | 350                      | 5100 | 1400                   | 20400 |
| H1316A  | 25           | 1     | -16  | 350                      | 5100 | 1400                   | 20400 |
| H1320A  | 31           | 1.1/4 | -20  | 350                      | 5100 | 1400                   | 20400 |
| H1324A  | 38           | 1.1/2 | -24  | 350                      | 5100 | 1400                   | 20400 |
| H1332A  | 51           | 2     | -32  | 350                      | 5100 | 1400                   | 20400 |

**H13A Hose Dimensions**

**Matched Couplings**

| PART NO | MINIMUM BEND RADIUS |      | AVERAGE WEIGHT |       | NOMINAL HOSE OD |      | BITELOK ONE-PIECE CRIMP |              |
|---------|---------------------|------|----------------|-------|-----------------|------|-------------------------|--------------|
|         | mm                  | inch | kg/m           | lb/ft | mm              | inch | NON-SKIVE               | SKIVE        |
| H1312A  | 240                 | 9.5  | 1,65           | 1.11  | 32,1            | 1.26 | T900 SERIES             | T700 (SKIVE) |
| H1316A  | 300                 | 12.0 | 2,25           | 1.51  | 38,7            | 1.52 | T900 SERIES             | T700 (SKIVE) |
| H1320A  | 419                 | 16.5 | 3,60           | 2.42  | 49,8            | 1.96 | T900 SERIES             | T700 (SKIVE) |
| H1324A  | 500                 | 20.0 | 4,95           | 3.33  | 57,3            | 2.26 | T900 SERIES             |              |
| H1332A  | 600                 | 24.0 | 7,00           | 4.69  | 72,0            | 2.83 | T900 SERIES             |              |

Contact RYCO Hydraulics for Crimp Diameter and Mark Length or Skive for BITELOK Couplings.

- Intro
- Hose
- Couplings
- Adaptors
- Accessories
- Filters
- Technical