

## HSE-R1AT Fluidflex Hydraulic Hose Technical Specifications

**Standard:** SAE 100R1AT / EN853 1SN, MSHA compliant

**Inner Tube:** Black oil resistant synthetic rubber (Nitrile)

**Reinforcement:** One braid of high tensile steel wire

**Outer Layer:** Black oil and weather synthetic rubber (Nitrile)

**Temperature Range:** -40°C to 100°C (-40°F to 212°F)

**Application:** Conveying water-based, petroleum-based and biodegradable hydraulic oil.

| Part Code             | Size  | ID   |      | OD   |      | Max Working Pressure |      | Min Bend Radius | Weight | Cover Type       |
|-----------------------|-------|------|------|------|------|----------------------|------|-----------------|--------|------------------|
|                       |       | Min  | Max  | Min  | Max  |                      |      |                 |        |                  |
|                       | inch  | mm   | mm   | mm   | mm   | bar                  | psi  | mm              | kg/m   | Smooth / Wrapped |
| HSE-R1AT-03 Fluidflex | 3/16  | 4.9  | 5.3  | 11.5 | 12.3 | 250                  | 3625 | 90              | 0.20   | Smooth           |
| HSE-R1AT-04 Fluidflex | 1/4   | 6.3  | 6.7  | 12.6 | 13.4 | 225                  | 3263 | 100             | 0.24   | Smooth           |
| HSE-R1AT-05 Fluidflex | 5/16  | 7.9  | 8.3  | 14.1 | 14.9 | 215                  | 3118 | 115             | 0.27   | Smooth           |
| HSE-R1AT-06 Fluidflex | 3/8   | 9.8  | 10.2 | 16.7 | 17.7 | 180                  | 2610 | 125             | 0.35   | Smooth           |
| HSE-R1AT-08 Fluidflex | 1/2   | 12.9 | 13.3 | 20.1 | 21.1 | 160                  | 2320 | 180             | 0.45   | Smooth           |
| HSE-R1AT-10 Fluidflex | 5/8   | 15.7 | 16.3 | 23   | 24.2 | 130                  | 1885 | 205             | 0.52   | Smooth           |
| HSE-R1AT-12 Fluidflex | 3/4   | 19   | 19.6 | 27.2 | 28.4 | 105                  | 1523 | 240             | 0.67   | Smooth           |
| HSE-R1AT-16 Fluidflex | 1-0   | 25   | 25.6 | 35   | 36.2 | 87                   | 1262 | 300             | 0.98   | Smooth           |
| HSE-R1AT-20 Fluidflex | 1-1/4 | 31.9 | 32.7 | 41.9 | 43.1 | 62                   | 899  | 420             | 1.22   | Wrapped          |
| HSE-R1AT-24 Fluidflex | 1-1/2 | 37.9 | 38.7 | 49.3 | 50.5 | 50                   | 725  | 500             | 1.54   | Wrapped          |
| HSE-R1AT-32 Fluidflex | 2-0   | 50.9 | 51.7 | 63   | 64.4 | 40                   | 580  | 630             | 2.12   | Wrapped          |