Ultra Lightweight Polypropylene Drop Hose

Type AAD 944020

Applications: This type is designed for use as a drop hose in tank truck, railcar and implant applications where an aluminum inner wire is standard. With optional aluminum or galvanized steel wire (for improved crush resistance).

Construction: Color/Cover: Orange/PVC coated Nylon, Abrasion, UV and Ozone resistant
Inner Wire: Aluminum #5052
Inner lining: High Density Polypropylene
Carcass: Polypropylene fabrics and Nylon films
Outer Wire: AAD Aluminum #5052
AGD Galvanized Steel

Physical properties:
Temperature Range: -22°F to +180°F (-30°C to +80°C)
Maximum elongation: ≤10% on test pressure
Vacuum range: 26 inHg (660 mmHg), 0.9 bar
Electrical properties: Electrically Conductive
≤2.5 ohm/m for sizes less than 2"
≤1.0 ohm/m for size 2” and above

Standards: USCG, BS5842, NAHAD-600:2005

End Fittings: Fittings are designed with a specially machined helical shank which enables it to be screwed into the matching internal helix wire. The external ferrule can be either crimped or swaged.

| TECHNICAL DATA: TYPE AAD 944020 |
|------------------|---------|--------|------------|---------|----------|-----------|
| Inside Diameter  | Working Pressure | Min. Bend Radius | Approx Weight | Maximum Length |
| Inches | mm  | PSI   | Bar | Inches | mm | lb/ft | kg/m | Feet | Meters |
| 1    | 25  | 100   | 7   | 4     | 100 | 0.3  | 0.4  | 100   | 30    |
| 1½   | 40  | 100   | 7   | 5.25  | 130 | 0.5  | 0.7  | 100   | 30    |
| 2    | 50  | 100   | 7   | 6.25  | 165 | 0.7  | 1    | 100   | 30    |
| 3    | 80  | 100   | 7   | 7     | 180 | 1.5  | 1.1  | 100   | 30    |
| 4    | 100 | 100   | 7   | 10    | 250 | 1.8  | 1.4  | 100   | 30    |

Pressure based on safety factor 4:1
Dimensions and weight are approximate and are subject to change
For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering
Increased operating temperatures will reduce working pressure of the assemblies
Fitting pressure rating may limit working pressure of the assembly
Rated working pressure is @ 70°F (21°C)