



Ultra Lightweight Polypropylene Drop Hose
Type AAD 944020

Applications: This type is designed for use as a drop hose in tank truck, railcar and inplant 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)