

Irrigation Hose

AGRICULTURAL IRRIGATION EQUIPMENT HOSE



A high performance flexible layflat hose for all types of irrigation, sludge, slurry, and dirty water disposal operations.

- **Easy to Store & Transport**

Lightweight, compact and excellent coilability for economical storage. More flexible than plastic hoses for smoother coiling and easier handling.

- **Fast Deployment & Retrieval**

Long continuous lengths can be quickly deployed and retrieved using light duty reels.

- **Low Operating Costs**

Unique textile construction for minimum pressure loss and maximum hydraulic efficiency. Superior kink resistance at low pressure maintains maximum hydraulic efficiency. Suitable for continuous operation at high pressure.

- **Long Service Life**

Designed for long service life on a wide variety of ground conditions with minimal maintenance. Tough and durable rubber cover with exceptional resistance to abrasion and cutting. Advanced black rubber compound for maximum resistance to agricultural chemicals, ozone, UV, and weathering. Resistant to microbiological attack from untreated and treated sludges and slurries.

Irrigation Hose

Nominal Technical Specification

| Diameter | inch | 1¾ | 2 | 2½ | 3 | 3½ | 4 | 4½ | 5 | 6 |
|--------------------------------------------|------|------|------|------|------|------------|------|------|-------|-------|
| | mm | 45 | 51 | 63.5 | 76 | 90 | 102 | 114 | 127 | 152 |
| Flat Width (mm) | | 76 | 84 | 104 | 127 | 147 | 168 | 188 | 208 | 249 |
| Wall Thickness (mm) | | 2.1 | 2.3 | 2.3 | 3.1 | 3.4 | 3.7 | 3.8 | 4.1 | 4.1 |
| Standard Continuous Length* (m) | | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Weight** (kg/m) | | 0.39 | 0.46 | 0.53 | 0.97 | 1.14 | 1.44 | 1.66 | 1.98 | 2.30 |
| Minimum Short Length | | | | | | | | | | |
| Burst Pressure (bar) | | 35 | 35 | 35 | 35 | 35 | 35 | 30 | 30 | 27 |
| Maximum Working Pressure (bar) | | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 15.0 | 15.0 | 13.5 |
| Minimum Effective Tensile Strength*** (kg) | | 1800 | 2800 | 3100 | 4500 | 5400 | 7800 | 9900 | 11300 | 16500 |
| Temperature Range (°C) | | | | | | -20 to +70 | | | | |

* 100, 150 and up to 315 m lengths also available.

** Excluding couplings.

*** For optimum performance it is recommended that the actual working end pull should not exceed 35% of the Minimum Effective Tensile Strength.



Features a unique "through-the-weave" one piece construction comprising a circular woven high tenacity synthetic reinforcement totally encapsulated in a thick rubber cover and lining.

Manufactured in compliance with BS EN ISO 9001:2000 quality management systems. Raw materials, components, and finished products are rigorously tested and inspected to ensure excellent product reliability.

Exceeds minimum performance requirements of ASAE Standard 394.

Compatible with wide range of couplings.

Typical Applications

- Travelling agricultural irrigation systems
- Linear agricultural irrigation systems
- General Water Transfer

Angus Flexible Pipelines operates a continuous programme of product development. The right is therefore reserved to modify any specifications without prior notice and Angus should be contacted to ensure that the current issues of all technical data sheets are used.

REF: 5253/3 © Angus Flexible Pipelines 08.05 Printed in England



FM 00215



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