

# DRAG



*Mandals Drag is designed for especially tough use with umbilical drag systems for distribution of slurry and manure in small agricultural fields where the hose is exposed to many bends. Hoses are connected between slurry reservoirs (lagoons) and tow tractors. Between the lagoon and the edge of the field transfer hoses are used.*

Mandals Drag is designed with this extreme tensile stress and abrasion in mind.

The TPU cover has abrasion resistance 4 – 5 times that of commonly used rubber.

*NOTE: Never tow one part of the hose across another*

The tensile strength has been substantially increased to withstand the pull forces.

Standard lengths up to 200 mts. Longer lengths on request for diameters lower than 6 inches.

## INDUSTRIES

AGRICULTURE  
MINING

## DESIGN

- Thermoplastic polyether based polyurethane (TPU)
- Extruded through a circular woven jacket
- Heavily reinforced weave

## ADVANTAGE

- Ultimate tensile strength and abrasion resistance
- Enhanced abrasion resistance
- High diameter and extension stability
- Low kink radius
- High puncture resistance
- Temperature range -50 to 75 ° C (pure water)
- Standard lengths depending on diameter
- Excellent UV and weathering resistance

## FEATURES

- Design for umbilical drag system used for distribution of slurry and manure in agricultural fields
- Engineer with extreme tensile stress and abrasion properties
- High tenacity filament polyester yarn

# TECHNICAL DATA

| INNER DIAMETER |             | WALL THICKNESS |     | WEIGHT |      | BURST PRESSURE |     | TENSILE STRENGTH |      |
|----------------|-------------|----------------|-----|--------|------|----------------|-----|------------------|------|
| Inch           | mm          | Inch           | mm  | Lbs/ft | Kg/m | psi            | bar | x 1000 Lbs       | tons |
| 3 1/2          | 90,0 + 2,0  | 0,14           | 3,5 | 0,73   | 1,10 | 580            | 40  | 26,5             | 12,0 |
|                | 102,0 + 2,5 | 0,14           | 3,5 | 0,90   | 1,35 | 550            | 38  | 28,9             | 13,1 |
| 4 1/2          | 114,0 + 2,5 | 0,14           | 3,6 | 1,00   | 1,50 | 510            | 35  | 35,0             | 15,9 |
| 5              | 127,0 + 2,5 | 0,14           | 3,6 | 1,11   | 1,67 | 465            | 32  | 39,0             | 17,7 |
| 5 1/2          | 140,0 + 3,0 | 0,14           | 3,7 | 1,21   | 1,82 | 405            | 28  | 45,6             | 20,7 |
| 6              | 152,0 + 3,0 | 0,15           | 3,7 | 1,36   | 2,04 | 405            | 28  | 54,7             | 24,8 |
| 7              | 178,0 + 3,0 | 0,16           | 4,1 | 1,83   | 2,75 | 305            | 21  | 74,4             | 33,6 |
| 8              | 203,0 + 3,0 | 0,17           | 4,4 | 2,13   | 3,20 | 435            | 30  | 101,6            | 46,1 |



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