



**Mandals Dragman series consists of flexible, high-quality lay-flat hoses uniquely designed for the agriculture industry. They are particularly great to use with umbilical drag systems to distribute slurry and manure in a cost-efficient way.**

Dragman Extra Performance has increased cover thickness compared to Dragman Premium. This gives a hose with added strength and resistance to wear and tear, optimal for larger fields and rockier soils. Standard is used where less demanding abrasion capacity is required.

### Primary Uses & Applications

- Umbilical drag systems.
- Distribution of slurry and manure.

### Features

- Low kink radius.
- Designed to withstand the extreme tensile loads and abrasion seen in umbilical slurry systems.
- High diameter and extension stability.
- High puncture resistance.
- Excellent UV and weathering resistance.

### Construction

- Covered and lined with Thermoplastic Polyurethane (TPU).
- Extrusion through the weave technology - ensuring excellent adhesion between TPU and the weave.
- Heavily reinforced weave ensuring required longitudinal tensile strength and burst pressure.

### Properties

- Lengths up to 600m for some dimensions.
- Color options: Orange (standard).
- Operating temperature from -50°C to +65 °C ( -58°F to +149°F).

### Dragman Standard

| Article Number | Inner Diameter <sup>1</sup> |     | Wall Thickness |     | Weight |      | Maximum Working Pressure <sup>2</sup> |     | Burst Pressure |     | Nom. Tensile Strength <sup>3</sup> |          |
|----------------|-----------------------------|-----|----------------|-----|--------|------|---------------------------------------|-----|----------------|-----|------------------------------------|----------|
|                | inch                        | mm  | inch           | mm  | lbs/ft | kg/m | psi                                   | bar | psi            | bar | X1000 lbs                          | X1000 kg |
| DRS090         | 3 1/2                       | 90  | 0.13           | 3.4 | 0.70   | 1.05 | 305                                   | 21  | 610            | 42  | 28.7                               | 13.0     |
| DRS102         | 4                           | 102 | 0.14           | 3.6 | 0.91   | 1.35 | 305                                   | 21  | 610            | 42  | 32.9                               | 14.9     |
| DRS114         | 4 1/2                       | 114 | 0.14           | 3.6 | 1.01   | 1.50 | 260                                   | 18  | 520            | 36  | 37.5                               | 17.9     |
| DRS127         | 5                           | 127 | 0.14           | 3.6 | 1.11   | 1.65 | 230                                   | 16  | 460            | 32  | 43.9                               | 19.9     |

### Dragman Premium

| Article Number | Inner Diameter <sup>1</sup> |     | Wall Thickness |     | Weight |      | Maximum Working Pressure <sup>2</sup> |      | Burst Pressure |     | Nom. Tensile Strength <sup>3</sup> |          |
|----------------|-----------------------------|-----|----------------|-----|--------|------|---------------------------------------|------|----------------|-----|------------------------------------|----------|
|                | inch                        | mm  | inch           | mm  | lbs/ft | kg/m | psi                                   | bar  | psi            | bar | X1000 lbs                          | X1000 kg |
| DRP102         | 4                           | 102 | 0.16           | 4.2 | 1.14   | 1.70 | 265                                   | 18.5 | 535            | 37  | 37.5                               | 17.9     |
| DRP114         | 4 1/2                       | 114 | 0.17           | 4.3 | 1.22   | 1.82 | 250                                   | 17.5 | 510            | 35  | 43.9                               | 19.9     |
| DRP127         | 5                           | 127 | 0.17           | 4.3 | 1.31   | 1.95 | 215                                   | 15   | 435            | 30  | 48.3                               | 21.8     |
| DRP140         | 5 1/2                       | 140 | 0.17           | 4.3 | 1.44   | 2.20 | 215                                   | 15   | 435            | 30  | 56.4                               | 25.5     |
| DRP152         | 6                           | 152 | 0.17           | 4.4 | 1.54   | 2.30 | 215                                   | 15   | 435            | 30  | 60.4                               | 27.3     |
| DRP203         | 8                           | 203 | 0.21           | 4.7 | 2.28   | 3.40 | 215                                   | 15   | 435            | 30  | 103.2                              | 46.9     |

### Dragman Extra Performance

| Article Number | Inner Diameter <sup>1</sup> |     | Wall Thickness |     | Weight |      | Maximum Working Pressure <sup>2</sup> |      | Burst Pressure |     | Nom. Tensile Strength <sup>3</sup> |          |
|----------------|-----------------------------|-----|----------------|-----|--------|------|---------------------------------------|------|----------------|-----|------------------------------------|----------|
|                | inch                        | mm  | inch           | mm  | lbs/ft | kg/m | psi                                   | bar  | psi            | bar | X1000 lbs                          | X1000 kg |
| DRXP114        | 4 1/2                       | 114 | 0.19           | 4.8 | 1.35   | 2.00 | 250                                   | 17.5 | 510            | 35  | 30.3                               | 13.7     |
| DRXP127        | 5                           | 127 | 0.19           | 4.8 | 1.48   | 2.20 | 215                                   | 15   | 435            | 30  | 48.3                               | 21.8     |
| DRXP140        | 5 1/2                       | 140 | 0.19           | 4.9 | 1.65   | 2.45 | 215                                   | 15   | 435            | 30  | 56.4                               | 25.5     |
| DRXP152        | 6                           | 152 | 0.20           | 5.0 | 1.85   | 2.75 | 215                                   | 15   | 435            | 30  | 60.4                               | 27.3     |
| DRXP165        | 6 1/2                       | 165 | 0.20           | 5.1 | 2.30   | 3.40 | 290                                   | 20   | 580            | 40  | 81.2                               | 36.8     |
| DRXP178        | 7                           | 178 | 0.21           | 5.3 | 2.35   | 3.50 | 290                                   | 20   | 580            | 40  | 81.2                               | 36.8     |
| DRXP184        | 7 1/4                       | 184 | 0.21           | 5.3 | 2.38   | 3.55 | 290                                   | 20   | 580            | 40  | 81.2                               | 36.8     |

**Note:** <sup>1</sup>Tolerance range based on ISO1307 Type C. <sup>2</sup>Values are for hose only; allowed working pressure can not exceed coupling pressure rating. For questions about chemical resistance please check [mandals.com/support](http://mandals.com/support). <sup>3</sup>Calculated value. Use a reduction factor of 0.75 for realistic maximum tensile strength values.