

## Dredging & Mining

## FLEXIBLE ENGINEERING

# Sandmaster™ suction and discharge hose

## A range of hoses for highly abrasive applications

### Product description

#### At a glance

Sandmaster suction and discharge hoses have been specifically designed for use in highly abrasive applications such as sand and gravel pits, glass and mineral processing plants.

Sandmaster is available in sizes from 50mm to 400mm and lengths up to 12 metres. Designed for 10 bar WP with a 3.5:1 safety factor.

#### Lining

Smooth bore mandrel built. Two types of lining are available in thicknesses from 3mm to 12mm depending on the nature and severity of the application. A specially compounded soft red or tan coloured gum 40° hard natural rubber for fine air-borne abrasives (A02) and a black reinforced 60° hard natural rubber for slurries and heavy abrasives such as gravel and rock (A12).

#### Reinforcement

High-strength cord layers give the hose suction resistance and stability under pressure giving a minimum 3.5:1 safety factor. A steel wire helix gives flexibility and crush protection and a minimum 6 x bore size bend radius.

#### Cover

All hoses have a corrugated tough weather and abrasion resistant neoprene rubber cover to increase flexibility with a uniform curvature.



Sandmaster A12 gravel suction and discharge hose

#### Coupling systems

Integral fixed rubber and fabric flanges with vulcanised steel support backing plates or beaded end swivel captive flanges are usually supplied where abrasive materials would excessively wear a steel hose tail. Elimination of a conventional hose tail enables the hose to begin flexing immediately behind the flange; this is useful for applications requiring a very tight bend radius.

- Custom-built assemblies
- Special moulded flanges
- Corrugated for flexibility
- Up to 400mm bore size

**JF Hose & Couplings Limited**  
Unit 5 Hecla Works, Mounsey Road  
Preston, PR5 6LS, UK  
Tel: 01772 323300 Fax: 01772 323322  
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**Large bore hose division**  
Leyland Business Park, Centurion Way  
Leyland, Preston, PR25 3GR, UK

**[jfhose.co.uk](http://jfhose.co.uk)**



### Branding

Hoses are generally supplied branded with the Sandmaster<sup>®</sup> brand, identification and working pressure. For resale requirements, hoses can be branded with your company name or plain unbranded.

## Sandmaster<sup>™</sup> suction and discharge hose 10 bar WP

### Physical data – Sandmaster<sup>™</sup> suction and discharge hose

| Bore size |     | Lining | Nom od | Nom weight | Min bend  |
|-----------|-----|--------|--------|------------|-----------|
| Inch      | mm  | mm     | mm     | Kg/mtr     | radius mm |
| 2         | 51  | 3      | 68     | 2.2        | 203       |
| 3         | 76  | 6      | 102    | 5.0        | 305       |
| 4         | 102 | 6      | 128    | 6.4        | 406       |
| 6         | 152 | 7.5    | 188    | 12.9       | 610       |
| 8         | 203 | 9      | 240    | 17.8       | 1190      |
| 10        | 254 | 9      | 294    | 23.9       | 1520      |
| 12        | 305 | 9      | 346    | 29.1       | 1800      |
| 14        | 356 | 12     | 404    | 37.1       | 2490      |
| 16        | 406 | 12     | 454    | 42.1       | 2900      |

Please note: Other sizes are available on request.

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