

## 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-bourne 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 chloroprene 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  
Email: sales@jfhose.co.uk

#### Large bore hose division

Leyland Business Park, Centurion Way  
Leyland, Preston, PR25 3GR, UK

**jfhose.co.uk**



### Branding

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

## Sandmaster™ suction and discharge hose 10 bar WP

### Physical data – Sandmaster™ 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.

#### JF Hose & Couplings Limited

Unit 5 Hecla Works, Mounsey Road  
Preston, PR5 6LS, UK  
Tel: 01772 323300 Fax: 01772 323322  
Email: sales@jfhose.co.uk

#### Large bore hose division

Leyland Business Park, Centurion Way  
Leyland, Preston, PR25 3GR, UK

**jfhose.co.uk**