

**Dredging & Mining**

**FLEXIBLE ENGINEERING**

**A20 separate embedded ring heavy-duty dredge hose  
A range of hoses for cutter and trailing suction systems**

**Product description**

**At a glance**

A20 separate embedded ring dredge hoses are designed for use on outboard systems of suction hopper and trailing suction dredgers where gimbal supports are used. These hoses are capable of high angular deflections over short lengths. Hoses are available in sizes from 250mm; lengths up to 12 metres and 500mm to 1000mm; lengths up to 7 metres and are available with various coupling systems.



- Custom-built assemblies
- High angular deflection
- Up to 1000mm bore size
- Integral or built-in couplings

A20 separate embedded ring dredge suction hose with built-in fittings

**Lining**

Smooth bore mandrel built, highly abrasion and cut-resistant black natural rubber; 20mm thick. Other thicknesses are available on request; up to 30mm and dependent on flange drilling requirements.



**Reinforcement**

A substantial carcass of high-strength textile cords and heavy-duty separate embedded round bar carbon steel rings embedded in solid rubber giving maximum resistance to crushing and vacuum collapse.

**Cover**

Hard-wearing neoprene rubber for excellent resistance against abrasion, weathering, oil, grease and sea water.

◀ A20 dredge hose with beaded end swivel flanges

**JF Hose & Couplings Limited**  
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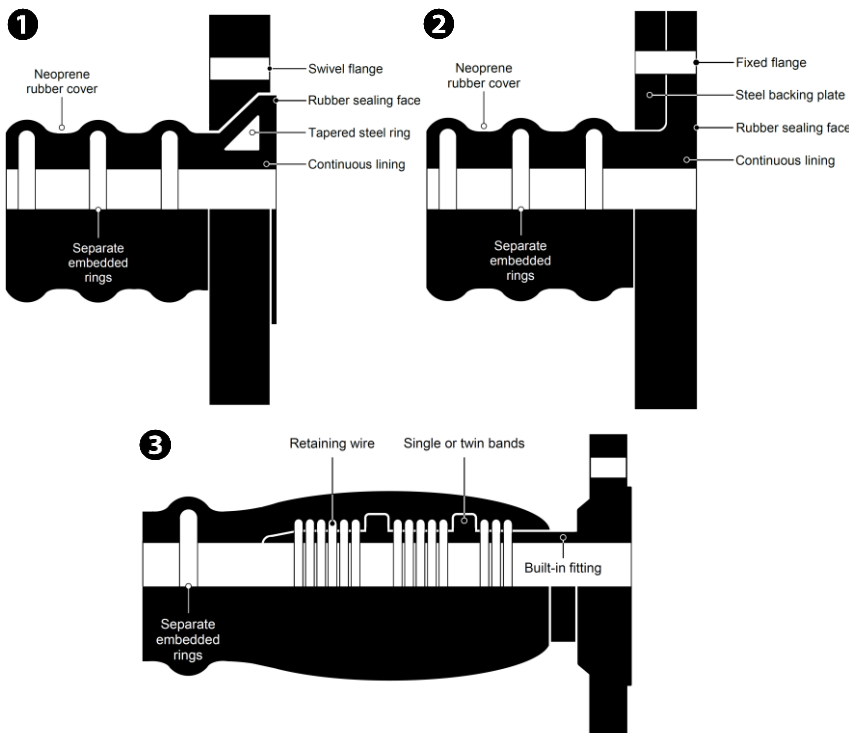
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**Nominal physical data<sup>1</sup>**

Inside diameter <sup>2</sup> Inch	mm	Lining thickness <sup>1</sup> mm	Ring spacing mm	Vacuum rating bar	Deflection flexibility %/mt	Nominal weight kg/mt	lb/ft
10"	250	20	80	-0.9	45	54	36.29
12"	300	20	100	-0.9	40	59	39.65
14"	350	20	120	-0.9	35	77	51.74
16"	400	20	130	-0.9	35	83	55.77
18"	450	20	140	-0.9	35	92	61.82
20"	500	20	150	-0.9	30	101	67.87
22"	550	20	155	-0.9	30	127	85.34
24"	600	20	160	-0.9	25	147	98.78
27.5"	700	20	170	-0.9	25	162	108.86
31.5"	800	20	175	-0.9	20	203	136.41
35.5"	900	20	180	-0.9	15	259	174.04
39.5"	1000	20	190	-0.9	15	287	192.86

**Coupling systems<sup>3</sup>**

- 1** Beaded end with one-piece captive swivel flange.
- 2** Integral rubber and fabric fixed flange with steel backing plate.
- 3** Heavy-duty built-in full-bore steel fitting.



<sup>1</sup> Nominal physical data is based on 20mm thick lining. Thicknesses vary, depending on the wear severity of the application. Ask JF Hose for a suitable lining thickness to suit your application.  
<sup>2</sup> Other sizes are available on request. <sup>3</sup> Coupling systems data sheets are available on request.

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