



Multipurpose hose

FLEXIBLE ENGINEERING

A700 high pressure wire cord hydraulic hose

A range of large bore custom-built suction and discharge hoses

Product description

A700 high pressure hoses are designed for high pressure suction and discharge applications; capable of handling a wide range of materials, chemicals, oils and solvents at high pressure.

Flanges and fittings

Carbon and stainless steel components are produced in-house at our computer-controlled machine shop (welding to ASME IX / BS EN 287 - 1:2004 A1/2 2008).



Reinforcement

A700 series hoses are manufactured with a fully encapsulated high-tensile brass coated steel wire cord; giving flexibility and stability under pressure.

Sizes

2.1/2" (65mm) to 12" (300mm) in lengths up to 12 metres.

Discharge types

A702 2-cord
A704 4-cord
A706 6-cord
A708 8-cord

Suction and discharge types

A714 4-cord + spiral helix
A716 6-cord + spiral helix

A714 and A716 are available with single and double wire helices for increased strength and flexibility.

Coupling systems

Internally swaged male thread, Victaulic groove, SAE flanges, plain or weld prep ends.

Lining rubber applications

Natural (NR)	Water Abrasives Mud Cement
Neoprene (CR)	Air Sea water Oils Chemicals
Nitrile (NBR)	Oils Solvents
EPDM (EP)	Air Chemicals Sea water

Sub-sea applications

A714 and 716 are designed to perform at 10 bar external pressure.

- Stability under pressure
- Custom-built assemblies
- Vacuum resistance
- Internally swaged couplings

JF Hose & Couplings Limited

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A700 high pressure hoses - nominal physical data

Bore size		Nom weight kg/mt	Min bend radius mm	Burst pressure bar
inch	mm			
A702 - 2-cord discharge hose				
2.1/2"	65	4.5	760	208
3	75	5.4	915	179
4	100	7.2	1225	140
5	125	9	1525	115
6	150	10.8	1825	97
8	200	14.4	2440	75
10	250	18	3050	60
12	300	21.6	3660	51
A704 - 4-cord discharge hose				
2.1/2"	65	6.8	630	377
3	75	8.1	760	329
4	100	10.8	1020	262
5	125	13.5	1270	217
6	150	16.2	1520	186
8	200	21.6	2030	144
10	250	27	2540	117
12	300	34.2	3050	99
A706 - 6-cord discharge hose				
4	100	14.4	820	368
5	125	18	1020	309
6	150	21.6	1220	266
8	200	28.8	1625	208
10	250	36	2035	171
12	300	43.2	2440	145
A708 - 8-cord discharge hose				
4	100	18	615	463
5	125	22.5	765	392
6	150	27	915	340
8	200	36	1220	268
10	250	45	1525	222
12	300	54	1830	189
A714 - 4-cord + 1-wire suction and discharge hose				
6	150	20	900	186
8	200	28	1200	144
10	250	35	1500	117
12	300	42	1800	99
A716 - 6-cord + 1-wire suction and discharge hose				
6	150	24	900	266
8	200	32	1200	208
10	250	40	1500	171
12	300	48	1800	145

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