



Multipurpose hose

FLEXIBLE ENGINEERING

A700 high pressure hydraulic hose – wire cord reinforced A range of large bore hand-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 ASME1X / BS EN287 - 1:2004 A1/2 2008).



Reinforcement

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

Sizes

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

Cover

Outer protection is provided with oil, sunlight, weather and abrasion resistant smooth neoprene rubber.

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

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
Other lining materials are available	

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**

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Large bore hose division

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Physical data

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A700 high pressure hoses - nominal physical data

Bore size		Outside diameter mm	Nom weight kg/mt	Min bend radius mm	Burst pressure bar
inch	mm				
A702 - 2-cord discharge hose					
2.1/2"	65	87	4.5	760	208
3	75	100	5.4	915	179
4	100	126	7.2	1225	140
5	125	151	9	1525	115
6	150	176	10.8	1825	97
8	200	227	14.4	2440	75
10	250	278	18	3050	60
12	300	329	21.6	3660	51
A704 - 4-cord discharge hose					
2.1/2"	65	95	6.8	630	377
3	75	108	8.1	760	329
4	100	134	10.8	1020	262
5	125	159	13.5	1270	217
6	150	184	16.2	1520	186
8	200	235	21.6	2030	144
10	250	286	27	2540	117
12	300	337	34.2	3050	99
A706 - 6-cord discharge hose					
4	100	142	14.4	820	368
5	125	167	18	1020	309
6	150	192	21.6	1220	266
8	200	243	28.8	1625	208
10	250	294	36	2035	171
12	300	345	43.2	2440	145
A708 - 8-cord discharge hose					
4	100	150	18	615	463
5	125	175	22.5	765	392
6	150	200	27	915	340
8	200	251	36	1220	268
10	250	302	45	1525	222
12	300	353	54	1830	189
A714 - 4-cord + 1-wire suction and discharge hose					
6	150	192	20	900	186
8	200	243	28	1200	144
10	250	296	35	1500	117
12	300	355	42	1800	99
A716 - 6-cord + 1-wire suction and discharge hose					
6	150	200	24	900	266
8	200	251	32	1200	208
10	250	304	40	1500	171
12	300	358	48	1800	145

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