



SEISMIC



Hoses and Fittings
for seismic acquisition systems
in ocean-bottom explorations

// SEISMIC ACQUISITION SYSTEM

- // Rubber hose range for flotation buoy and cable protection
- // Thermoplastic marine and off shore hose range for seismic monitoring operations
- // Special fittings range

// RUBBER HOSE

// 250AK



Seismic 5 bar (75 psi)

Tube: Black EPDM

Reinforcement: High tensile textile cords

Cover: Yellow EPDM with silver stripes - abrasion and ozone resistant

Use: Flotation buoy in seismic monitoring operations

Safety factor: 3:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

↔		↔		⊙		⌒		⌘	ⓦ	
mm	in	mm	in	bar	psi	mm	inch	%	kg/m	lb/ft
305	12	317	12,5	5	75				7,81	5,25
457	18	477	19	5	75				16,815	11,283

// 25SAH



Seismic extra 10 bar (150 psi)

Tube: Black EPDM

Reinforcement: High tensile textile cords

Cover: Red EPDM - abrasion and sea-water resistant

Use: Cable protection in seismic operations

Safety factor: 3:1

Temperature: -30 °C +80 °C (-22 °F +176 °F)

↔		↔		⊙		⌒		⌘	ⓦ	
mm	in	mm	in	bar	psi	mm	inch	%	kg/m	lb/ft
102		136	5,35	10	150				6,75	4,54
127		161	6,34	10	150				8,39	5,64
152		188	7,4	10	150				11,24	7,555

HOSES ARE SUPPLIED ASSEMBLED WITH SPECIAL DESIGNED STAINLESS STEEL ONE-PIECE NPT AND JIC FITTINGS

// 641AA



Oil & Mud cargo hose 15 bar (225 psi) end load resistance 5.000 kg

Tube: Black conductive NBR

Reinforcement: High tensile textile fabric - boot straps

Cover: Black conductive NBR/PVC - abrasion, ozone, hydrocarbon and fire resistant

Use: Fuel and oil barite liquid transfer. Particularly suitable for drag chain application where low elongation is required. Also suitable for electrical cables and hydraulic hose protection

Safety factor: 3:1

Temperature: -30 °C +70 °C (-22 °F +158 °F)

↔		↔		↻		⌒		⚡	♻️	
mm	in	mm	in	bar	psi	mm	inch	%	kg/m	lb/ft
102	4	122	4,80	15	225			90	4,260	2,860
127	5	147	5,12	15	225			90	5,090	3,420
152	6	172	6,77	15	225			90	6,100	4,100

// 155AK



Compressed air 20 bar (300 psi) - Heavy duty

Tube: black SBR/NBR - oil mist resistant.

Reinforcement: high tensile textile cords.

Cover: yellow SBR - abrasion and ozone resistant.

Application: compressed air designed for heavy duty applications.

Constant operation: -30 °C +80 °C (-22 °F +176 °F)

↔		↔		↻		⌒		⚡	♻️	
mm	in	mm	in	bar	psi	mm	in	%	kg/m	lb/ft
13	1/2	21,00	0,83	20	300				0,320	0,215
19	3/4	29,00	1,14	20	300				0,550	0,380
25	1	35,00	1,38	20	300				0,690	0,475
32	1 1/4	44,00	1,73	20	300				0,890	0,600
38	1 1/2	50,00	1,97	20	300				1,030	0,700
51	2	65,00	2,56	20	300				1,650	1,120
63	2 1/2	79,00	3,11	20	300				2,290	1,550
76	3	92,00	3,62	20	300				2,800	1,890
102	4	118,00	4,65	20	300				3,660	2,470



// THERMOPLASTIC HOSE

// OFF SHORE - ROV OPERATION



Marine high pressure hydraulic 350 bar (5000 psi)

Tube: Oil and biodegradable hydraulic fluid resistant polyamide 11 methanol washed

Reinforcement: High tensile aramid reinforcement

Cover: Oil, water and ozone resistant polyurethane, non-pin-pricked

Use: Marine and off-shore equipment, ROVs (remotely operated vehicles), BOP valves. Suitable for off-shore seismic monitoring operations. Manufactured according to API 17E / ISO 13628-5

Safety factor: 4:1

Temperature: -40 °C to +100 °C (-40 °F to +212 °F)
limited to +70 °C (+158 °F) for air and water based fluids

Recommended fittings:

AISI 316 SS: NPTF male, JIC female and male

Dash	↔		↔		↻		↻		⤴		⚖	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
-3	5,0	3/16	9,6	0,38	35	5000	140	20000	30	1,18	0,06	0,05
-4	6,5	1/4	12,1	0,48	35	5000	140	20000	50	1,97	0,09	0,07
-6	9,7	3/8	17,1	0,68	35	5000	140	20000	60	2,36	0,17	0,12
-8	13,0	1/2	21,9	0,87	35	5000	140	20000	80	3,15	0,25	0,17
-12	19,5	3/4	29,6	1,17	35	5000	140	20000	150	5,91	0,40	0,27
-16	25,9	1	38,9	1,53	35	5000	140	20000	200	7,87	0,63	0,43

Also available in the 3000 psi version

// R8 MARINE



Marine high pressure hydraulic from 140 to 420 bar (2000 to 6000 psi)

Tube: Oil and biodegradable hydraulic fluid resistant polyester

Reinforcement: High tensile aramid reinforcement

Cover: Oil, water and ozone resistant polyurethane, pin-pricked

Use: Marine and off-shore equipment, cranes, marine, transport systems. Off-shore seismic monitoring operations. Also recommended for general on-shore equipment, in high humidity environment. Meets or exceeds SAE 100R8

Safety factor: 4:1

Temperature: -40 °C to +100 °C (-40 °F to +212 °F)
limited to +70 °C (+158 °F) for air and water based fluids

Recommended fittings:

AISI 316 SS: NPTF male, JIC female and male

Dash	↔		↔		↻		↻		⤴		⚖	
	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
-3	5,0	3/16	8,9	0,35	35	5000	140	20000	30	1,18	0,05	0,04
-4	6,5	1/4	11,5	0,45	35	5000	140	20000	50	1,97	0,08	0,06
-5	8,1	5/16	13,4	0,53	30	4300	120	17200	55	2,17	0,11	0,08
-6	9,7	3/8	15,5	0,61	28	4000	112	16000	60	2,36	0,13	0,09
-8	13,0	1/2	19,9	0,78	24	3500	98	14000	80	3,15	0,2	0,14
-10	16,3	5/8	23,4	0,92	20	2900	80	11600	125	4,92	0,25	0,17
-12	19,5	3/4	26,9	1,06	16	2300	66	9200	150	5,91	0,31	0,21
-16	25,9	1	34,2	1,35	14	2000	56	8000	200	7,87	0,43	0,29