

Nautilus20

20,000 psi Subsea umbilical hose



Deeper water, higher reservoir back pressure and greater step-out distances: There are many reasons why standard 15,000 psi hoses are becoming constraints for future field developments.

Therefore, use now Nautilus20 a new series of 20,000 psi DWP hoses:

- 20,000 psi working pressure
- High collapse resistance – greater than 500 bar
- Suitable up to 125 °C (257 °F)
- Qualified acc. to the performance parameters of ISO13628-5 / API 17E
- Smooth bore design
- Similar weight and bending radius as standard 15,000 psi hose



Product Features

- High performance inner tube
- Only 4 layers of wire
- High performance non-sticky cover
- Supreme chemical resistance
- Extreme low permeation rate
- Extreme long service life



ENGINEERING YOUR SUCCESS.

Nautilus20

20,000 psi Subsea umbilical hose

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg	Ultimate Collapse Resistance MPa
	DN	Inch	Size	mm		max. working pressure		min. burst pressure *				
						MPa	psi	MPa	psi			
2448P-04V30	6	1/4	-4	6.4	13.0	138.0	20,000	414	60000	150	0.33	> 60.0
2448P-08V30	12	1/2	-8	12.9	23.2	138.0	20,000	414	60000	300	1.15	50.5

*Min. burst pressure: 3 x max. working pressure at 23 °C (73 °F)

Primary Applications

20k intervention umbilicals,
subsea and topside jumpers
flying leads

Applicable Specifications

Meets/exceeds ISO 13628-5
API 17E

Hose Construction

Inner tube

High performance thermoplast

Reinforcement

4 layers of high tensile wire

Cover

Polyamid

Temperature Range

-40 °C to +125 °C
(-40 °F to +257 °F)

Collapse Rating

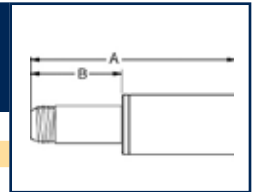
> 600 bar (1/4")

Change in Length

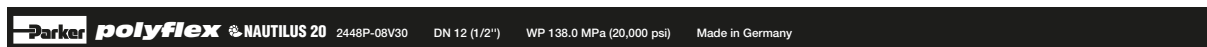
at max. working
pressure: + 2 % / -1.5 %

Medium pressure tube nipple

Part Number	Thread Size	A		B		Working Pressure	
		mm	inch	mm	inch	MPa	psi
1Y2UX-6-04C	3/8 - 24UNF-LH	131.5	5.16	63.5	2.50	138	20,000
1Y25X-9-08C-M-Subsea	9/16 - 18 UNF - LH	164.2	6.46	72.0	2.83	138	20,000
1Y25X-12-08C-M-Subsea	3/4 - 16 UNF - LH	174.2	6.86	84.0	3.31	138	20,000



Hose layline example



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