



## // DOCK



<b>60DAA</b>	Fuel-oil S&D 10 bar (150 psi) - EN 1765/S10.....	125
<b>64AAA</b>	Fuel-oil delivery 10 bar (150 psi) - EN 1765/L10.....	125
<b>60NAA</b>	Fuel-oil S&D 15 bar (225 psi) - EN 1765/S15.....	126
<b>60GAA</b>	Fuel-oil S&D 15 bar (225 psi) - EN 1765/S15.....	126
<b>64DAA</b>	Fuel-oil delivery 15 bar (225 psi) - EN 1765/L15.....	127
<b>60PAA</b>	Fuel-oil S&D 20 bar (300 psi) - exceeds EN 1765/S15.....	127
<b>64PAA</b>	Fuel-oil delivery 20 bar (300 psi) - exceeds EN 1765/L15.....	128

Dimensions shown may be changed without prior notice

## // 60DAA

**Fuel-oil S&D 10 bar (150 psi)  
EN 1765/S10****Tube:** black NBR.**Reinforcement:** high tensile textile cords with embedded steel helix wire.**Cover:** black CR- abrasion, ozone, sea water and hydrocarbon resistant.**Application:** crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request).

Built-in fittings.

Also available: 60EAA 100% aromatic content • 60FAA biofuel.

**Constant operation:** -20 °C +82 °C (-4 °F +180 °F)

↔		↔		⊙		⊙		⌒		⌘	Ⓜ	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
100,0	4"			10	150	40	600	500,0	19,69	100	8,700	5,85
150,0	6"			10	150	40	600	750,0	29,53	100	16,700	11,23
200,0	8"			10	150	40	600	1000,0	39,37	100	25,500	17,14
250,0	10"			10	150	40	600	1250,0	49,21	100	35,000	23,53
300,0	12"			10	150	40	600	1500,0	59,06	100	51,800	34,82

125

INDUSTRIAL HOSE

## // 64AAA

**Fuel-oil delivery 10 bar (150 psi)  
EN 1765/L10****Tube:** black NBR.**Reinforcement:** high tensile textile cords.**Cover:** black CR- abrasion, ozone, sea water and hydrocarbon resistant.**Application:** crude oil and liquid petroleum products delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request).

Built-in fittings.

Also available: 64BAA 100% aromatic content • 64CAA biofuel.

**Constant operation:** -20 °C +82 °C (-4 °F +180 °F)

↔		↔		⊙		⊙		⌒		⌘	Ⓜ	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
100,0	4"			10	150	40	600	600,0	23,62		5,850	3,94
150,0	6"			10	150	40	600	900,0	35,43		9,450	6,36
200,0	8"			10	150	40	600	1200,0	47,24		14,100	9,48
250,0	10"			10	150	40	600	1500,0	59,06		17,400	11,70
300,0	12"			10	150	40	600	1800,0	70,87		24,550	16,50

// 60NAA



**Fuel-oil S&D 15 bar (225 psi)  
EN 1765/S15**

**Tube:** black NBR.

**Reinforcement:** high tensile textile cords with embedded steel helix wire.

**Cover:** black CR- abrasion, ozone, sea water and hydrocarbon resistant.

**Application:** crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request).

Available with swaged fittings.

**Constant operation:** -20 °C +82 °C (-4 °F +180 °F)

↔		↔		↕		↕		↷		⌘	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
76,0	3"	98,00	3,86	15	225	60	900	380,0	14,96	85	4,450	3,00
102,0	4"	128,00	5,04	15	225	60	900	510,0	20,08	85	7,660	5,15
152,0	6"	180,00	7,09	15	225	60	900	760,0	29,92	85	13,060	8,78

// 60GAA



**Fuel-oil S&D 15 bar (225 psi)  
EN 1765/S15**

**Tube:** black NBR.

**Reinforcement:** high tensile textile cords with embedded steel helix wire.

**Cover:** black CR- abrasion, ozone, sea water and hydrocarbon resistant.

**Application:** crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request).

Built-in fittings.

Also available: 60HAA 100% aromatic content • 60IAA biofuel.

**Constant operation:** -20 °C +82 °C (-4 °F +180 °F)

↔		↔		↕		↕		↷		⌘	⚖	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
100,0	4"			15	225	60	900	500,0	19,69	100	10,100	6,79
150,0	6"			15	225	60	900	750,0	29,53	100	17,600	11,83
200,0	8"			15	225	60	900	1000,0	39,37	100	28,400	19,09
250,0	10"			15	225	60	900	1250,0	49,21	100	38,500	25,88
300,0	12"			15	225	60	900	1500,0	59,06	100	54,500	36,63

Dimensions shown may be changed without prior notice

## // 64DAA

**Fuel-oil delivery 15 bar (225 psi)  
EN 1765/L15****Tube:** black NBR.**Reinforcement:** high tensile textile cords.**Cover:** black CR- abrasion, ozone, sea water and hydrocarbon resistant.**Application:** crude oil and liquid petroleum products delivery to/ from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request).

Built-in fittings.

Also available: 64EAA 100% aromatic content • 64FAA biofuel.

**Constant operation:** -20 °C +82 °C (-4 °F +180 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
100,0	4"			15	225	60	900	600,0	23,62		6,580	4,43
150,0	6"			15	225	60	900	900,0	35,43		10,500	7,06
200,0	8"			15	225	60	900	1200,0	47,24		16,100	10,82
250,0	10"			15	225	60	900	1500,0	59,06		19,900	13,38
300,0	12"			15	225	60	900	1800,0	70,87		28,500	19,16

127

INDUSTRIAL HOSE

## // 60PAA

**Fuel-oil S&D 20 bar (300 psi)  
exceeds EN 1765/S15****Tube:** black NBR.**Reinforcement:** high tensile textile cords with embedded steel helix wire.**Cover:** black CR - abrasion, ozone, sea water and hydrocarbon resistant.**Application:** fuel and oil suction and delivery. Designed for long service life in heavy duty applications. Also suitable for bunkering service.

Electrically continuous (discontinuous on request).

**Constant operation:** -20 °C +82 °C (-4 °F +180 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
76,0	3"	92,00	3,62	20	300	60	900	380,0	14,96	85	3,210	2,16
102,0	4"	122,00	4,80	20	300	60	900	510,0	20,08	85	5,440	3,66
152,0	6"	176,00	6,93	20	300	60	900	760,0	29,92	85	10,930	7,35
203,0	8"	233,00	9,17	20	300	60	900	1000,0	39,37	85	17,740	11,93
203,0	8"	233,00	9,17	20	300	60	900	1000,0	39,37	85	17,740	11,93
254,0	10"	288,00	11,34	20	300	60	900	1270,0	50,00	85	25,920	17,42
300,0	12"	340,00	13,39	20	300	60	900	1500,0	59,06	85	35,940	24,16

## // 64PAA


**Fuel-oil delivery 20 bar (300 psi)  
exceeds EN 1765/L15**

**Tube:** black NBR.

**Reinforcement:** high tensile textile cords - antistatic wire.

**Cover:** black CR - abrasion, ozone, sea water and hydrocarbon resistant.

**Application:** fuel and oil delivery. Designed for long service life in heavy duty applications. Also suitable for bunkering service. Electrically continuous (discontinuous on request).

**Constant operation:** -20 °C +82 °C (-4 °F +180 °F)

↔		↔		↻		↻		⤴		⚖		
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
76,0	3"	92,00	3,62	20	300	60	900				3,310	2,23
102,0	4"	120,00	4,72	20	300	60	900				4,020	2,71
152,0	6"	172,00	6,77	20	300	60	900				6,990	4,70
203,0	8"	227,00	8,94	20	300	60	900				11,300	7,60