



**Abruzzo
Costiero S.r.l.**

Deposito di Pescara

**Progetto di realizzazione del nuovo sealine e del campo boe per lo scarico
di gasolio e benzina da navi petroliere al largo del Porto di Pescara**

**Relazione tecnica - Chiarimenti volontari del Proponente nell'ambito della
Procedura Istruttoria VIA**

ALLEGATO 9 – Data Sheet manichette Bassi offshore

Marzo 2014
Id: Allegato_9



COMMANDER 1211 S - 10" x 12 MT

GENERAL DESCRIPTION

1st OFF PLEM ONE END REINFORCED SUBMARINE DOUBLE CARCASS HOSE
 PROTOTYPE Ref.: IND-100341 issued by DNV
 R.P. 300 psi / 21 bar
 ACCORDING TO OCIMF 1991 4th Edition.
 ELECTRICALLY DISCONTINUOUS

CONSTRUCTION

1st CARCASS
MAIN LINING : smooth, oil and fuel resistant nitrile (NBR) rubber.
SAFETY LINING : special construction to prevent defects caused by incidental tearings or superficial damages of the main lining.
REINFORCEMENTS: plies of wire cord. One helical embedded wire.
COVER : smooth oil and fuel resistant.

2nd CARCASS
OIL RETENTION CHANNEL : the 2nd carcass is constructed around the 1st carcass to contain any oil escaping from the 1st carcass. The two carcasses are quite independent.
INNER LINING : smooth, oil and fuel resistant nitrile (NBR) rubber.
REINFORCEMENTS: plies of textile cord.

OUTER COVER: smooth black, syntethic rubber, resistant to abrasion, oil, seawater and sunlight.

LEAK DETECTION
 Futhermore, in a case of failure of the primary carcass, a visual indication system in each extremity of the hose will become visible, giving additional confirmation of the failure.

FITTINGS: End connections built-in during manufacture.

HOSE TESTS: All tests according to OCIMF 1991 4th Edition.

TECHNICAL DATA

PRESSURE RATING : 300 psi / 21 bar

TEST PRESSURE : 300 psi / 21 bar

OPERATING PRESSURE RANGE : -0.85/21 bar ; -12/300 psi

MINIMUM BURST PRESSURE OF 1st CARCASS : 1500 psi / 105 bar

MINIMUM BURST PRESSURE OF 2nd CARCASS : 600 psi / 42 bar

MAXIMUM FLOW VELOCITY : 21 m/sec ; 70 ft/sec

OPERATING TEMPERATURE RANGE : -20°/82°C ; -4°/180°F

AMBIENT TEMPERATURE RANGE : -29°C / +52°C

AROMATICS CONTENENT MAX : 60%

TEMPORARY ELONGATION MAX : 2,5%

PERMANENT ELONGATION MAX : 0,7%

MINIMUM BENDING RADIUS : 4 x ID

HOSE WEIGHT EMPTY IN AIR : 1342 Kg

U.W.W. (Under Water Weight full of seawater) : 433 kg

NIPPLES / FITTINGS

FLANGES TYPE: flanges ASME B16.5 Class 150lb W.N. F.F.

FLANGES MATERIAL : ASTM A 105N with a carbon content of maximum 0,25%.

FLANGE COATING : GALVANIZED according to BS 729 par. 1 (600 g/mq), BS EN ISO 1461.

NIPPLE MATERIAL : ASTM A 106 grade A or B, or API 5L grade A or B. Killed or semikilled steel with a carbon content of maximum 0,23%.

BUTT WELD : X rayed in according to BS 2600

FILLET WELD : MPI according to ASME VIII App. 6

MARKING

Bassi Offshore Srl
 OCIMF '91
 N.D. 10" - 250 MM
 R.P. 300 psi - 21 bar
 month-year-serial number
 COMMANDER 1211 S
 DOUBLE CARCASS HOSE
 ELECTRICALLY DISCONTINUOUS

U.W.W. - O.L.
 T.E. %



<< SOLO MODIFICARE CAD >>	Reserved Property - This drawing cannot be used, reproduced or give to thirds without the permision BASSI OFFSHORE s.r.l. which reserved the right to proceed in according the law.				METHOD ISO (E)
	07/02/2014	SCALE: -	TOL.	ANG:	REVISION REV. 00
	ONE END REINFORCED SUBMARINE DOUBLE CARCASS HOSE COMMANDER 1211 S 10" (250 mm) x 12 mt			PROJECT	COD-DESIGN
				DRAFTMAN	COD BASSI
TECHNICAL DPT	N° DRAWING	N° PAG			
APPROVED DA	C1211S2HD	1/1			



COMMANDER 1212 S - 10" x 12 MT

GENERAL DESCRIPTION

MAINLINE SUBMARINE DOUBLE CARCASS HOSE
 PROTOTYPE Ref.: IND-100341 issued by DNV
 R.P. 300 psi / 21 bar
 ACCORDING TO OCIMF 1991 4th Edition.
 ELECTRICALLY DISCONTINUOUS

CONSTRUCTION

1st CARCASS
 MAIN LINING : smooth, oil and fuel resistant nitrile (NBR) rubber.
 SAFETY LINING : special construction to prevent defects caused by incidental tearings or superficial damages of the main lining.
 REINFORCEMENTS: plies of wire cord. One helical embedded wire.
 COVER : smooth oil and fuel resistant.

2nd CARCASS
 OIL RETENTION CHANNEL : the 2nd carcass is constructed around the 1st carcass to contain any oil escaping from the 1st carcass. The two carcasses are quite independent.
 INNER LINING : smooth, oil and fuel resistant nitrile (NBR) rubber.
 REINFORCEMENTS: plies of textile cord.

OUTER COVER: smooth black, syntethic rubber, resistant to abrasion, oil, seawater and sunlight.

LEAK DETECTION
 Futhermore, in a case of failure of the primary carcass, a visual indication system in each extremity of the hose will become visible, giving additional confirmation of the failure.

FITTINGS: End connections built-in during manufacture.

HOSE TESTS: All tests according to OCIMF 1991 4th Edition.

TECHNICAL DATA

PRESSURE RATING : 300 psi / 21 bar

TEST PRESSURE : 300 psi / 21 bar

OPERATING PRESSURE RANGE : -0.85/21 bar ; -12/300 psi

MINIMUM BURST PRESSURE OF 1st CARCASS : 1500 psi / 105 bar

MINIMUM BURST PRESSURE OF 2nd CARCASS : 600 psi / 42 bar

MAXIMUM FLOW VELOCITY : 21 m/sec ; 70 ft/sec

OPERATING TEMPERATURE RANGE : -20°/82°C ; -4°/180°F

AMBIENT TEMPERATURE RANGE : -29°C / +52°C

AROMATICS CONTENENT MAX : 60%

TEMPORARY ELONGATION MAX : 2,5%

PERMANENT ELONGATION MAX : 0,7%

MINIMUM BENDING RADIUS : 4 x ID

HOSE WEIGHT EMPTY IN AIR : 1247 Kg

U.W.W. (Under Water Weight full of seawater) : 414 kg

NIPPLES / FITTINGS

FLANGES TYPE: flanges ASME B16.5 Class 150lb W.N. F.F.

FLANGES MATERIAL : ASTM A 105N with a carbon content of maximum 0,25%.

FLANGE COATING : GALVANIZED according to BS 729 par. 1 (600 g/mq), BS EN ISO 1461.

NIPPLE MATERIAL : ASTM A 106 grade A or B, or API 5L grade A or B. Killed or semikilled steel with a carbon content of maximum 0,23%.

BUTT WELD : X rayed in according to BS 2600

FILLET WELD : MPI according to ASME VIII App. 6

MARKING

Bassi Offshore Srl
 OCIMF '91
 N.D. 10" - 250 MM
 R.P. 300 psi - 21 bar
 month-year-serial number
 COMMANDER 1212 S
 DOUBLE CARCASS HOSE
 ELECTRICALLY DISCONTINUOUS

U.W.W. - O.L.
 T.E. %



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	07/02/2014	SCALE: -	TOL.	ANG:	REVISION REV. 00
	MAINLINE SUBMARINE DOUBLE CARCASS HOSE COMMANDER 1212 S 10" (250 mm) x 12 mt			PROJECT	COD-DESIGN
				DRAFTMAN	COD BASSI
			TECHNICAL DPT	N° DRAWING C1212S2HD	N° PAG : 1/1
			APPROVED DA		



COMMANDER 1215 S - 10" x 12 MT

GENERAL DESCRIPTION

RAIL TAIL SUBMARINE DOUBLE CARCASS HOSE
FOR CONNECTION TO SHUTTE TANKER
PROTOTYPE Ref.: IND-100341 issued by DNV
R.P. 300 psi / 21 bar
ACCORDING TO OCIMF 1991 4th Edition – ELECTRICALLY DISCONTINUOUS

CONSTRUCTION

1st CARCASS
MAIN LINING : smooth, oil and fuel resistant nitrile (NBR) rubber.
SAFETY LINING : special construction to prevent defects caused by incidental tearings or superficial damages of the main lining.
REINFORCEMENTS: plies of wire cord. One helical embedded wire.
COVER : smooth oil and fuel resistant.

2nd CARCASS
OIL RETENTION CHANNEL : the 2nd carcass is constructed around the 1st carcass to contain any oil escaping from the 1st carcass. The two carcasses are quite independent.
INNER LINING : smooth, oil and fuel resistant nitrile (NBR) rubber.
REINFORCEMENTS: plies of textile cord.

OUTER COVER: smooth black, syntethic rubber, resistant to abrasion, oil, seawater and sunlight.

LEAK DETECTION

Futhermore, in a case of failure of the primary carcass, a visual indication system in each extremity of the hose will become visible, giving additional confirmation of the failure.

FITTINGS: End connections built-in during manufacture.

HOSE TESTS: All tests according to OCIMF 1991 4th Edition.

TECHNICAL DATA

PRESSURE RATING : 300 psi / 21 bar

TEST PRESSURE : 300 psi / 21 bar

OPERATING PRESSURE RANGE : -0.85/21 bar ; -12/300 psi

MINIMUM BURST PRESSURE OF 1st CARCASS : 1500 psi / 105 bar

MINIMUM BURST PRESSURE OF 2nd CARCASS : 600 psi / 42 bar

MAXIMUM FLOW VELOCITY : 21 m/sec ; 70 ft/sec

OPERATING TEMPERATURE RANGE : -20°/82°C ; -4°/180°F

AMBIENT TEMPERATURE RANGE : -29°C / +52°C

AROMATICS CONTENENT MAX : 60%

TEMPORARY ELONGATION MAX : 2,5%

PERMANENT ELONGATION MAX : 0,7%

MINIMUM BENDING RADIUS : 4 x ID

HOSE WEIGHT EMPTY IN AIR : 1370 Kg

U.W.W. (Under Water Weight full of seawater) : 438 kg

NIPPLES / FITTINGS

FLANGES TYPE: flanges ASME B16.5 Class 150lb W.N. F.F.

FLANGES MATERIAL : ASTM A 105N with a carbon content of maximum 0,25%.

FLANGE COATING : GALVANIZED according to BS 729 par. 1 (600 g/mq), BS EN ISO 1461.

NIPPLE MATERIAL : ASTM A 106 grade A or B, or API 5L grade A or B. Killed or semikilled steel with a carbon content of maximum 0,23%.

BUTT WELD : X rayed in according to BS 2600

FILLET WELD : MPI according to ASME VIII App. 6

MARKING

Bassi Offshore Srl
OCIMF '91
N.D. 10" – 250 MM
R.P. 300 psi – 21 bar
month–year–serial number
COMMANDER 1215 S
DOUBLE CARCASS HOSE
ELECTRICALLY DISCONTINUOUS

U.W.W. - O.L.
T.E. %



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	07/02/2014	SCALE: -	TOL.	ANG:	REVISION REV. 00	
	RAIL TAIL SUBMARINE DOUBLE CARCASS HOSE COMMANDER 1215 S 10" (250 mm) x 12 mt			PROJECT DRAFTSMAN TECHNICAL DPT APPROVED DA	COD-DESIGN COD BASSI N° DRAWING C1215S2HD	N° PAG : 1/1

