

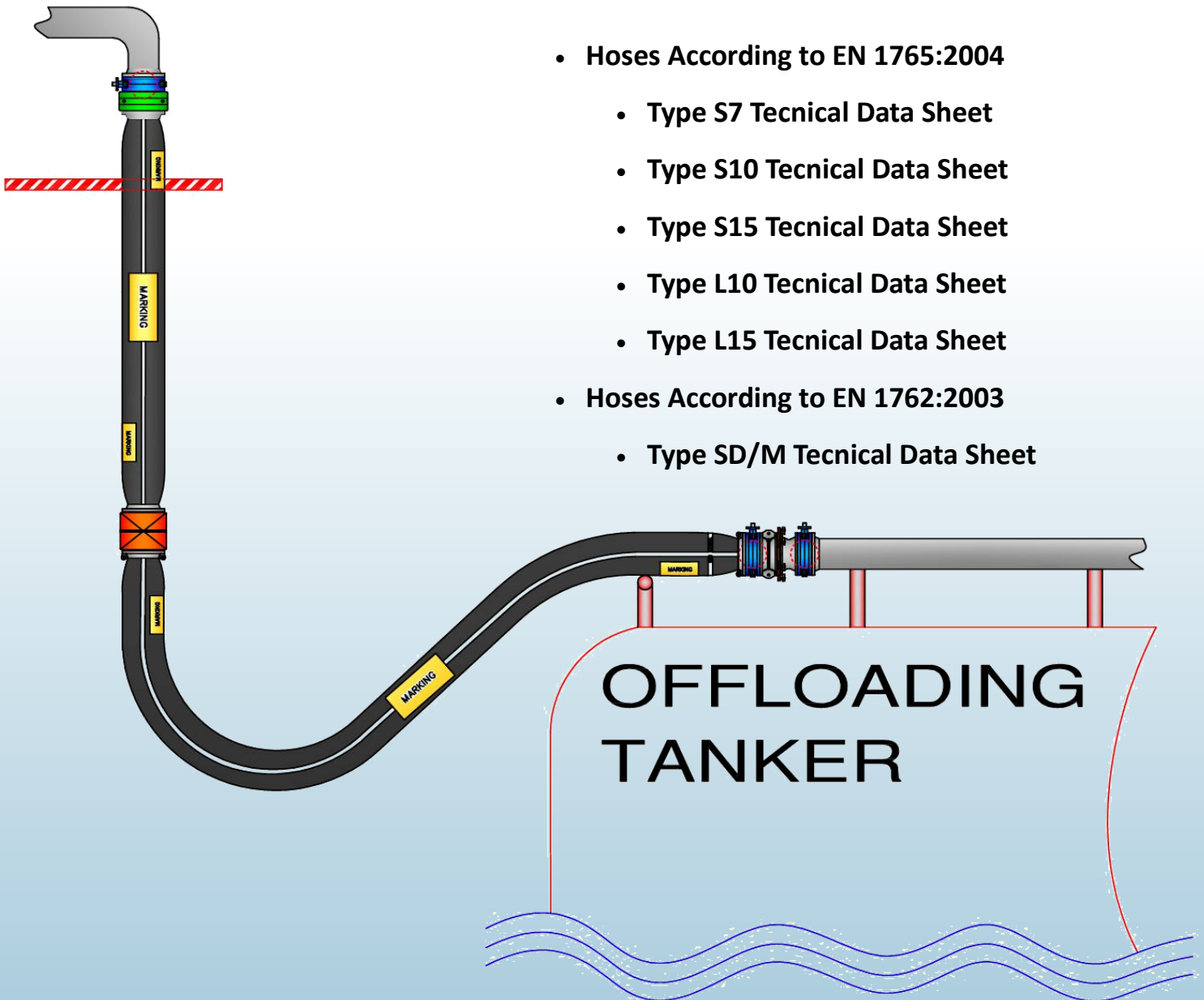


**IOCS S.r.L.**

*Hoses & Ancillaries Equipment Supply for Oil & Gas Industry*

# DOCK RUBBER HOSES

## DOCK RUBBER HOSES





# Hose Type T-50A

According to EN 1765:2004 / S10 (EPDM)

## HOSE TECHNICAL DATA SHEET

Suction & Delivery Medium Duty Smooth Bore Hose for 98% of chemical in OnShore & OffShore Applications.

Working Pressure 10 bar (150PSI)

Specification EN 1765:2004 Type S10

	<b>Main Lining Inner Tube :</b> SPECIALLY EPDM COMPOUNDED RUBBER FOR 98% OF CHEMICALS
	<b>Reinforcements :</b> HIGH TENSILE TEXTILE CORDS
	<b>Body Helical Wire :</b> EMBEDDED STEEL HELIX WIRE
	<b>Holding Ply :</b> HIGH TENSILE TEXTILE CORDS
	<b>Cover :</b> BLACK CR - ABRASION, OZONE, SALT WATER AND HYDROCARBON RESISTANT
	<b>Fitting :</b> Built-In nipples with Flange ASME B16.5 Class 150lb. W.N. R.F. or F.F., Screwed on Customer Requirement
	<b>Temperature Range :</b> -30° +100°C / -22°+212°F
	<b>Lengths :</b> Any Length up to 12.2 m / 40feet
	<b>Electrically :</b> Continuous or Discontinuous
	<b>Safety Factor :</b> 4:1 (Burst Pressure 40bar)
<b>Temporary Elongation :</b> <=2.5% at 10bar (150PSI)	
<b>Permanent Elongation :</b> <=0.5% after Hydrostatic Test	
<b>Tolerance On Length :</b> +2/-1%	
<b>Marking :</b> T50A 10 BAR (150 PSI) DOCK HOSE EN 1765/S10 - dia mm - Qq/yyyy - LOT N°	

**Packing :** PE transparent film + Flange Protection

**Notes:**

**Approvals :** DNV GL Prototype Type Approval

ID (mm)	ID (Inch)	NOMINAL WEIGHT (Kg/m)	WP (bar)	WP (psi)	Vac. (%)	MBR (mm)	AVAILABLE LENGTH
200	8"	24,0	10	150	100	800	Up to 12,25m / 40 ft
250	10"	37,0	10	150	100	1000	Up to 12,25m / 40 ft



# Hose Type T-60A/B/C

According to EN 1765:2004 / S7 (NBR/VITON/HNBR)

Prod. Code: 601

## HOSE TECHNICAL DATA SHEET

Suction & Delivery Medium Duty Smooth Bore Hose for Fuel & Oil Transfer in OnShore & OffShore Applications.

Working Pressure 7 bar (101PSI)

Specification EN 1765:2004 Type S7

	<b>Main Lining Inner Tube :</b> A) NBR COMPOUNDED RUBBER FOR FUEL & OIL TRANSFER WITH UP TO 55% MAX AROMATIC CONTENT B) VITON COMPOUNDED RUBBER FOR FUEL & OIL TRANSFER WITH UP TO 100% MAX AROMATIC CONTENT C) HNBR COMPOUNDED RUBBER FOR BIOFUEL
	<b>Reinforcements :</b> HIGH TENSILE TEXTILE CORDS
	<b>Body Helical Wire :</b> EMBEDDED STEEL HELIX WIRE
	<b>Holding Ply :</b> HIGH TENSILE TEXTILE CORDS
	<b>Cover :</b> BLACK CR - ABRASION, OZONE, SALT WATER AND HYDROCARBON RESISTANT
	<b>Fitting :</b> Built-In nipples with Flange ASME B16.5 Class 150lb. W.N. R.F. or F.F., Screwed on Customer Requirement
	<b>Temperature Range :</b> -20° +82°C / -4°+180°F
	<b>Lengths :</b> Any Length up to 12.2 m / 40feet
	<b>Electrically :</b> Continuous or Discontinuous <b>Safety Factor :</b> 4:1 (Burst Pressure 28bar)
	<b>Temporary Elongation :</b> <=2.5% at 7bar (101PSI) <b>Permanent Elongation :</b> <=0.5% after Hydrostatic Test <b>Tolerance On Length :</b> +2/-1% <b>Marking :</b> T60A/B/C 7 BAR (101 PSI) DOCK HOSE EN 1765/S7 - dia mm - Qq/vvyy - LOT N°

**Packing :** PE transparent film + Flange Protection

**Notes:**

**Approvals :** DNV GL Prototype Type Approval

ID (mm)	ID (Inch)	NOMINAL WEIGHT (Kg/m)	WP (bar)	WP (psi)	Vac. (%)	MBR (mm)	AVAILABLE LENGTH
100	4"	T.B.A.	7	101	100	500	Up to 12,25m / 40 ft
150	6"	T.B.A.	7	101	100	750	Up to 12,25m / 40 ft
200	8"	T.B.A.	7	101	100	1000	Up to 12,25m / 40 ft
250	10"	T.B.A.	7	101	100	1250	Up to 12,25m / 40 ft
300	12"	T.B.A.	7	101	100	1500	Up to 12,25m / 40 ft



# Hose Type T-60D/E/F

According to EN 1765:2004 / S10 (NBR/VITON/HNBR)

## HOSE TECHNICAL DATA SHEET

**Suction & Delivery Medium Duty Smooth Bore Hose for Fuel & Oil Transfer in OnShore & Offshore Applications.**

**Working Pressure 10 bar (150PSI)**

**Specification EN 1765:2004 Type S10**

	<b>Main Lining Inner Tube :</b> D) NBR COMPOUNDED RUBBER FOR FUEL & OIL TRANSFER WITH UP TO 55% MAX AROMATIC CONTENT E) VITON COMPOUNDED RUBBER FOR FUEL & OIL TRANSFER WITH UP TO 100% MAX AROMATIC CONTENT F) HNBR COMPOUNDED RUBBER FOR BIOFUEL
	<b>Reinforcements :</b> HIGH TENSILE TEXTILE CORDS
	<b>Body Helical Wire :</b> EMBEDDED STEEL HELIX WIRE
	<b>Holding Ply :</b> HIGH TENSILE TEXTILE CORDS
	<b>Cover :</b> BLACK CR - ABRASION, OZONE, SALT WATER AND HYDROCARBON RESISTANT
	<b>Fitting :</b> Built-In nipples with Flange ASME B16.5 Class 150lb. W.N. R.F. or F.F., Screwed on Customer Requirement
	<b>Temperature Range :</b> -20° +82°C / -4°+180°F <b>Lengths :</b> Any Length up to 12.2 m / 40feet <b>Electrically :</b> Continuous or Discontinuous <b>Safety Factor :</b> 4:1 (Burst Pressure 40bar) <b>Temporary Elongation :</b> <=2.5% at 10bar (150PSI) <b>Permanent Elongation :</b> <=0.5% after Hydrostatic Test <b>Tolerance On Length :</b> +2/-1% <b>Marking :</b> T60D/E/F 10 BAR (150 PSI) DOCK HOSE EN 1765/S10 - dia mm - Qq/vyyy - LOT N°

**Packing :** PE transparent film + Flange Protection

**Notes :**

**Approvals :** DNV GL Prototype Type Approval

ID (mm)	ID (Inch)	NOMINAL WEIGHT (Kg/m)	WP (bar)	WP (psi)	Vac. (%)	MBR (mm)	AVAILABLE LENGTH
100	4"	9,7	10	150	100	500	Up to 12,25m / 40 ft
150	6"	17,8	10	150	100	750	Up to 12,25m / 40 ft
200	8"	22,3	10	150	100	1000	Up to 12,25m / 40 ft
250	10"	32,7	10	150	100	1250	Up to 12,25m / 40 ft
300	12"	43,2	10	150	100	1500	Up to 12,25m / 40 ft



# Hose Type T-60G/H/I

According to EN 1765:2004 / S15 (NBR/VITON/HNBR)

Prod. Code: 603

## HOSE TECHNICAL DATA SHEET

**Suction & Delivery Heavy Duty Smooth Bore Hose for Fuel & Oil Transfer in OnShore & OffShore Applications.**

**Working Pressure 15 bar (225PSI)**

**Specification EN 1765:2004 Type S15**

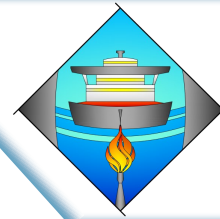
	<b>Main Lining Inner Tube :</b> <b>G) NBR COMPOUNDED RUBBER FOR FUEL &amp; OIL TRANSFER WITH UP TO 55% MAX AROMATIC CONTENT</b> <b>H) VITON COMPOUNDED RUBBER FOR FUEL &amp; OIL TRANSFER WITH UP TO 100% MAX AROMATIC CONTENT</b> <b>I) HNBR COMPOUNDED RUBBER FOR BIOFUEL</b>
	<b>Reinforcements : HIGH TENSILE TEXTILE CORDS</b>
	<b>Body Helical Wire : EMBEDDED STEEL HELIX WIRE</b>
	<b>Holding Ply : HIGH TENSILE TEXTILE CORDS</b>
	<b>Cover : BLACK CR - ABRASION, OZONE, SALT WATER AND HYDROCARBON RESISTANT</b>
	<b>Fitting : Built-In nipples with Flange ASME B16.5 Class 150lb. W.N. R.F. or F.F., Screwed on Customer Requirement</b>
	<b>Temperature Range : -20° +82°C / -4°+180°F</b>
	<b>Lengths : Any Length up to 12.2 m / 40feet</b>
	<b>Electrically : Continuous or Discontinuous</b>
	<b>Safety Factor : 4:1 (Burst Pressure 60bar)</b>
<b>Temporary Elongation : &lt;=2.5% at 15bar (225PSI)</b>	
<b>Permanent Elongation : &lt;=0.5% after Hydrostatic Test</b>	
<b>Tolerance On Length : +2/-1%</b>	
<b>Marking : T60G/H/I 15 BAR (225 PSI) DOCK HOSE EN 1765/S15 - dia mm - Qg/yyyy - LOT N°</b>	

**Packing :** PE transparent film + Flange Protection

**Notes:**

**Approvals :** DNV GL Prototype Type Approval

ID (mm)	ID (Inch)	NOMINAL WEIGHT (Kg/m)	WP (bar)	WP (psi)	Vac. (%)	MBR (mm)	AVAILABLE LENGTH
100	4"	11,0	15	225	100	500	Up to 12,25m / 40 ft
150	6"	17,1	15	225	100	750	Up to 12,25m / 40 ft
200	8"	26,5	15	225	100	1000	Up to 12,25m / 40 ft
250	10"	36,6	15	225	100	1250	Up to 12,25m / 40 ft
300	12"	51,4	15	225	100	1500	Up to 12,25m / 40 ft



# Hose Type T-60N

According to EN 1765:2004 / S15 (NBR)

## HOSE TECHNICAL DATA SHEET

**Suction & Delivery Heavy Duty Smooth Bore Hose for Fuel & Oil Transfer with Up To 55% max Aromatic Content in OnShore & OffShore Applications.**

**Working Pressure 15 bar (225PSI)**

**Specification EN 1765:2004 Type S15**

	<b>Main Lining Inner Tube :</b> SPECIALLY NBR COMPOUNDED RUBBER FUEL & OIL RESISTANT
	<b>Reinforcements :</b> HIGH TENSILE TEXTILE CORDS
	<b>Body Helical Wire :</b> EMBEDDED STEEL HELIX WIRE
	<b>Holding Ply :</b> HIGH TENSILE TEXTILE CORDS
	<b>Cover :</b> BLACK CR - ABRASION, OZONE, SALT WATER AND HYDROCARBON RESISTANT
	<b>Fitting :</b> Swaged fittings with Flange ASME B16.5 Class 150lb. W.N. R.F. or F.F., Screwed on Customer Requirement
	<b>Temperature Range :</b> -20° +82°C / -4°+180°F
	<b>Lengths :</b> Any Length up to 12.2 m / 40feet
	<b>Electrically :</b> Continuous or Discontinuous
	<b>Safety Factor :</b> 4:1 (Burst Pressure 60bar)
<b>Temporary Elongation :</b> <=2.5% at 15bar (225PSI)	
<b>Permanent Elongation :</b> <=0.5% after Hydrostatic Test	
<b>Tolerance On Length :</b> +2/-1%	
<b>Marking :</b> T60N 15 BAR (225 PSI) DOCK HOSE EN 1765/S15 - dia mm - Qq/yyyy - LOT N°	

**Packing :** PE transparent film + Flange Protection

**Notes:**

**Approvals :** DNV GL Prototype Type Approval

ID (mm)	ID (Inch)	NOMINAL WEIGHT (Kg/m)	WP (bar)	WP (psi)	Vac. (%)	MBR (mm)	AVAILABLE LENGTH
75	3"	4,5	15	225	100	380	Up to 12,25m / 40 ft
100	4"	7,5	15	225	100	500	Up to 12,25m / 40 ft
150	6"	13,0	15	225	100	750	Up to 12,25m / 40 ft



# Hose Type T-64A/B/C

According to EN 1765:2004 / L10 (NBR/VITON/HNBR)

Prod. Code: 605

## HOSE TECHNICAL DATA SHEET

Discharge Only Medium Duty Smooth Bore Hose for Fuel & Oil Transfer in OnShore & OffShore Applications.

Working Pressure 10 bar (150PSI)

Specification EN 1765:2004 Type L10

	<b>Main Lining Inner Tube :</b> A) NBR COMPOUNDED RUBBER FOR FUEL & OIL TRANSFER WITH UP TO 55% MAX AROMATIC CONTENT B) VITON COMPOUNDED RUBBER FOR FUEL & OIL TRANSFER WITH UP TO 100% MAX AROMATIC CONTENT C) HNBR COMPOUNDED RUBBER FOR BIOFUEL
	<b>Reinforcements :</b> HIGH TENSILE TEXTILE CORDS
	<b>Holding Ply :</b> HIGH TENSILE TEXTILE CORDS
	<b>Cover :</b> BLACK CR - ABRASION, OZONE, SALT WATER AND HYDROCARBON RESISTANT
	<b>Fitting :</b> Built-In nipples with Flange ASME B16.5 Class 150lb. W.N. R.F. or F.F., Screwed on Customer Requirement
	<b>Temperature Range :</b> -20° +82°C / -4°+180°F
	<b>Lengths :</b> Any Length up to 12.2 m / 40feet
	<b>Electrically :</b> Continuous or Discontinuous
	<b>Safety Factor :</b> 4:1 (Burst Pressure 40bar)
	<b>Temporary Elongation :</b> <=1.5% at 10bar (150PSI) <b>Permanent Elongation :</b> <=0.5% after Hydrostatic Test <b>Tolerance On Length :</b> +2/-1% <b>Marking :</b> T64A/B/C 10 BAR (150 PSI) DOCK HOSE EN 1765/L10 - dia mm - Qq/yyyy - LOT N°

**Packing :** PE transparent film + Flange Protection

**Notes:** For longer lengths please contact us

**Approvals :** DNV GL Prototype Type Approval

ID (mm)	ID (Inch)	NOMINAL WEIGHT Kg/m	WP (bar)	WP (psi)	Vac. %	MBR (mm)	AVAILABLE LENGTH
100	4"	6,7	10	150	100	600	Up to 12,25m / 40 ft
150	6"	11,0	10	150	100	900	Up to 12,25m / 40 ft
200	8"	16,1	10	150	100	1200	Up to 12,25m / 40 ft
250	10"	20,1	10	150	100	1500	Up to 12,25m / 40 ft
300	12"	25,0	10	150	100	1800	Up to 12,25m / 40 ft



# Hose Type T-64D/E/F

According to EN 1765:2004 / L15 (NBR/VITON/HNBR)

## HOSE TECHNICAL DATA SHEET

Discharge Only Medium Duty Smooth Bore Hose for Fuel & Oil Transfer in OnShore & OffShore Applications.

Working Pressure 15 bar (225PSI)

Specification EN 1765:2004 Type L15

	<b>Main Lining Inner Tube :</b> D) NBR COMPOUNDED RUBBER FOR FUEL & OIL TRANSFER WITH UP TO 55% MAX AROMATIC CONTENT E) VITON COMPOUNDED RUBBER FOR FUEL & OIL TRANSFER WITH UP TO 100% MAX AROMATIC CONTENT F) HNBR COMPOUNDED RUBBER FOR BIOFUEL
	<b>Reinforcements :</b> HIGH TENSILE TEXTILE CORDS
	<b>Holding Ply :</b> HIGH TENSILE TEXTILE CORDS
	<b>Cover :</b> BLACK CR - ABRASION, OZONE, SALT WATER AND HYDROCARBON RESISTANT
	<b>Fitting :</b> Built-In nipples with Flange ASME B16.5 Class 150lb. W.N. R.F. or F.F., Screwed on Customer Requirement
	<b>Temperature Range :</b> -20° +82°C / -4°+180°F <b>Lengths :</b> Any Length up to 12.2 m / 40feet <b>Electrically :</b> Continuous or Discontinuous <b>Safety Factor :</b> 4:1 (Burst Pressure 60bar) <b>Temporary Elongation :</b> <=1.5% at 15bar (225PSI) <b>Permanent Elongation :</b> <=0.5% after Hydrostatic Test <b>Tolerance On Length :</b> +2/-1% <b>Marking :</b> T64D/E/F 15 BAR (225 PSI) DOCK HOSE EN 1765/L15 - dia mm - Qg/yyyy - LOT N°

**Packing :** PE transparent film + Flange Protection

**Notes:** For longer lengths please contact us

**Approvals :** DNV GL Prototype Type Approval

ID (mm)	ID (Inch)	NOMINAL WEIGHT Kg/m	WP (bar)	WP (psi)	Vac. %	MBR (mm)	AVAILABLE LENGTH
100	4"	7,5	15	225	100	600	Up to 12,25m / 40 ft
150	6"	13,4	15	225	100	900	Up to 12,25m / 40 ft
200	8"	18,1	15	225	100	1200	Up to 12,25m / 40 ft
250	10"	24,7	15	225	100	1500	Up to 12,25m / 40 ft
300	12"	31,4	15	225	100	1800	Up to 12,25m / 40 ft





# Hose Type T-60J

According to EN 1762:2003 / SD/M (NBR)

Prod. Code: 607

## HOSE TECHNICAL DATA SHEET

LPG Suction & Delivery Extra Heavy Duty Smooth Bore Hose for LPG Fuel & Oil Transfer with Up To 55% max Aromatic Content in OnShore & OffShore Applications.

Working Pressure 25 bar (375PSI)

Specification EN 1762:2003 Type SD/M

	<b>Main Lining Inner Tube :</b> SPECIALLY NBR COMPOUNDED RUBBER LPG RESISTANT
	<b>Reinforcements :</b> HIGH TENSILE TEXTILE CORDS
	<b>Body Helical Wire :</b> EMBEDDED STEEL HELIX WIRE
	<b>Holding Ply :</b> HIGH TENSILE TEXTILE CORDS
	<b>Cover :</b> BLACK CR - ABRASION, OZONE, SALT WATER AND HYDROCARBON RESISTANT
	<b>Fitting :</b> Built-In nipples with Flange ASME B16.5 Class 150lb. W.N. R.F. or F.F., Screwed on Customer Requirement
	<b>Temperature Range :</b> -30° +93°C / -24°+200°F
	<b>Lengths :</b> Any Length up to 12.2 m / 40feet
	<b>Electrically :</b> Continuous or Discontinuous
	<b>Safety Factor :</b> 4:1 (Burst Pressure 100bar)
<b>Temporary Elongation :</b> <=2.5% at 25bar (375PSI) <=4,0% at 37,5 bar	
<b>Permanent Elongation :</b> <=0.5% after Hydrostatic Test	
<b>Tolerance On Length :</b> +2/-1%	
<b>Marking :</b> T60J AA 25 BAR (375 PSI) DOCK HOSE EN 1765/S15 - dia mm - Qq/yyyy - LOT N°	

**Packing :** PE transparent film + Flange Protection

**Notes:**

**Approvals :** DNV GL Prototype Type Approval

ID (mm)	ID (Inch)	NOMINAL WEIGHT (Kg/m)	WP (bar)	WP (psi)	Vac. (%)	MBR (mm)	AVAILABLE LENGTH
100	4"	15,0	25	375	100	400	Up to 12,25m / 40 ft
150	6"	26,0	25	375	100	600	Up to 12,25m / 40 ft
200	8"	37,0	25	375	100	800	Up to 12,25m / 40 ft
250	10"	52,0	25	375	100	1000	Up to 12,25m / 40 ft
300	12"	67,0	25	375	100	1200	Up to 12,25m / 40 ft