

DESMET - Ballestra							SKETCHES MATERIAL LIST							PROJ:		1E35		REV:		0		13/04/2010	
PUMA5			13/04/2010 11.22.10											DOC:		1E35-65-020							
DESMET - Ballestra							SLS - SECT. 77							Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm	
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch								
696	300	0	mm	4,78		mm	,00	0,50	m	109	Pipe ASME B36.10 PL E.R.W. API 5L Gr.B		18,80										
728	900	0	mm	6,0		mm	,00	4,00	m	109	Pipe SB-ATI-PT003/0 PL Welded Fe 410-1 KW - UNI 5869		537,39										
153	300	0	mm			mm	,00	1,00	NR	109	Flange Blind EN 1092-1 Type 05 PN 6 EN1092-1 B1-Ra Forged ASTM A 105	1933											
239	900	0	mm			mm	,00	3,00	NR	109	Flange Slip-On SB-ATI-PF001/0 * SB-ATI-PF001(125÷250AARH) From Plate Fe 510-C UNI 7070	1917											
262	300	0	mm			mm	,00	1,00	NR	109	Flange Slip-On EN 1092-1 Type 01 PN 6 EN1092-1 B1-Ra Forged ASTM A 105	1933											
1917	M12	0	mm			mm	55,00	72,00	NR	109	Stud Bolt + 2 Nuts SB-ATI-PV008B/0 ASME B18.2.1 UNC/2.2 Tab.9 ASTM A 193 B7 / A 194 Gr.2H		5,76										
1933	M20	0	mm			mm	100,00	12,00	NR	109	Stud Bolt + 2 Nuts SB-ATI-PV008B/0 ASME B18.2.1 UNC/2.2 Tab.9 ASTM A 193 B7 / A 194 Gr.2H		4,92										
274	900	0	mm			mm	,00	3,00	NR	109	Gasket SB-ATI-PV009/1 * SB-ATI-PF001(125÷250AARH) _ A9D FLAT-RING												
361	300	0	mm			mm	,00	1,00	NR	109	Gasket SB-ATI-PV009/1 PN 6 EN1092-1 B1-Ra _ B2D FLAT												
M Erection												Total Kg:		566,87									
SX2	SLS - SECT. 77 -DUCT					77004 - 0					SL1		1 / 1		TOTAL Kg:		566,87						

N. 1 manhole DN500 Std.46144 HV_77.2 77Y11	Plant	SX2 SLS - SECT. 77 -DUCT	Piping Class	109	Welding specification	SB-ATI-SP006/0 SB-ATI-SP007/0
	Line	77004 - 0	Fluid		System	
	Dang. fluid type		Coating		De pres	Op tem
	Area		Sketch Sht	1 / 1	Isometric code	Page 1
	Zones					

DESMET - Ballestra								SKETCHES MATERIAL LIST						PROJ:		1E35		REV:		0		13/04/2010	
PUMA5				13/04/2010 11.22.10										DOC:		1E35-65-020							
DESMET - Ballestra								SLS - SECT. 77						Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm	
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch								
701	25	0	mm	3,38		mm	,00	1,00	m	109	Pipe ASME B36.10 PL sch.40 Seamless API 5L Gr.B		2,50										
728	900	0	mm	6,0		mm	,00	9,50	m	109	Pipe SB-ATI-PT003/0 PL Welded Fe 410-1 KW - UNI 5869		1.276,30										
239	900	0	mm			mm	,00	2,00	NR	109	Flange Slip-On SB-ATI-PF001/0 * SB-ATI-PF001(125÷250AARH) From Plate Fe 510-C UNI 7070	1917											
1540	900	0	mm	6,0		mm	,00	1,00	NR	109	90° Miter SB-ATI-PC003/0 BE Welded Fe 410-1 KW - UNI 5869 R=1.5 D		303,60										
480	25	0	mm			mm	,00	4,00	NR	109	Coupling SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 105		1,20										
1917	M12	0	mm			mm	55,00	48,00	NR	109	Stud Bolt + 2 Nuts SB-ATI-PV008B/0 ASME B18.2.1 UNC/2.2 Tab.9 ASTM A 193 B7 / A 194 Gr.2H		3,84										
274	900	0	mm			mm	,00	2,00	NR	109	Gasket SB-ATI-PV009/1 * SB-ATI-PF001(125÷250AARH) _ A9D FLAT-RING												
M Erection												Total Kg:		1587,45									
SX2	SLS - SECT. 77 -DUCT				77005 - 0				SL1		1 / 1		TOTAL Kg:		1587,45								

N. 1 manhole DN500 Std.46144 TI_77.4 TET_77.3 TET_77.2 TET_77.1 HV_77.1 77Y10 77Y8	Plant	SX2 SLS - SECT. 77 -DUCT		Piping Class	109		Welding specification		SB-ATI-SP006/0 SB-ATI-SP007/0	
	Line	77005 - 0		Fluid			System			
	Dang. fluid type			Coating			De pres			
	Area			Sketch Sht	1 / 1		Isometric code			
	Zones						Op tem			
									Page	1

DESMET - Ballestra								SKETCHES MATERIAL LIST						PROJ:		1E35		REV:		0		13/04/2010				
PUMA5				13/04/2010 11.22.10										DOC:		1E35-65-020										
DESMET - Ballestra								SLS - SECT. 77						Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm				
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component										Gen. Bolt	Weight (Kg)		As.bly	Branch	
701	25	0	mm	3,38		mm	,00	0,20	m	109	Pipe ASME B36.10 PL sch.40 Seamless API 5L Gr.B											0,50				
728	900	0	mm	6,0		mm	,00	3,50	m	109	Pipe SB-ATI-PT003/0 PL Welded Fe 410-1 KW - UNI 5869											470,22				
1476	900	0	mm			mm	,00	1,00	NR	109	Valve Butterfly SB-ATI-VB005/0 FLG * SB-ATI-PF001(125÷250AARH) Cast ASTM A 216 Gr. WCB B 61										1917					
1502	8	0	mm			mm	,00	1,00	NR	109	Valve Plug SB-ATI-VM001/0 THRD-F NPT PN 16 Forged ASTM A 182 Gr. F316 M 53											0,20				
239	900	0	mm			mm	,00	4,00	NR	109	Flange Slip-On SB-ATI-PF001/0 * SB-ATI-PF001(125÷250AARH) From Plate Fe 510-C UNI 7070										1917					
480	25	0	mm			mm	,00	1,00	NR	109	Coupling SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 105											0,30				
1917	M12	0	mm			mm	55,00	96,00	NR	109	Stud Bolt + 2 Nuts SB-ATI-PV008B/0 ASME B18.2.1 UNC/2.2 Tab.9 ASTM A 193 B7 / A 194 Gr.2H											7,68				
274	900	0	mm			mm	,00	4,00	NR	109	Gasket SB-ATI-PV009/1 * SB-ATI-PF001(125÷250AARH) _ A9D FLAT-RING															
M Erection																Total Kg:		478,9								
SX2	SLS - SECT. 77 -DUCT					77006 - 0					SL1					1 / 1					TOTAL Kg:		478,9			

N. 1 manhole DN500 Std.46144 TET_77.10 77Y22 WIRE NET MESH 2,54 x ø 1mm - C.s. GALVANIZED = mq 1,00	Plant	SX2 SLS - SECT. 77 -DUCT	Piping Class	109	Welding specification	SB-ATI-SP006/0 SB-ATI-SP007/0
	Line	77006 - 0	Fluid		System	
	Dang. fluid type		Coating		De pres	Op tem
	Area		Sketch Sht	1 / 1	Isometric code	Page 1
	Zones					

DESMET - Ballestra								SKETCHES MATERIAL LIST					PROJ:		1E35		REV:		0		13/04/2010			
PUMA5				13/04/2010 11.22.10									DOC:		1E35-65-020									
DESMET - Ballestra								SLS - SECT. 77					Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm			
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component					Gen. Bolt	Weight (Kg)		As.bly	Branch				
728	900	0	mm	6,0		mm	,00	2,50	m	109	Pipe SB-ATI-PT003/0 PL Welded Fe 410-1 KW - UNI 5869						335,87							
1502	8	0	mm			mm	,00	1,00	NR	109	Valve Plug SB-ATI-VM001/0 THRD-F NPT PN 16 Forged ASTM A 182 Gr. F316 M 53						0,20							
M Erection															Total Kg:		336,07							
SX2	SLS - SECT. 77 -DUCT					77007 - 0					SL1					1 / 1					TOTAL Kg:		336,07	

77Y7	Plant SX2 SLS - SECT. 77 -DUCT Line 77007 - 0 Dang. fluid type Area Zones	Piping Class 109 Fluid Coating Sketch Sht 1 / 1	Welding specification SB-ATI-SP006/0 SB-ATI-SP007/0 System De pres Isometric code	Op tem Page 1
77Y9				

DESMET - Ballestra								SKETCHES MATERIAL LIST							PROJ:	1E35	REV:	0	13/04/2010				
PUMA5			13/04/2010 11.22.11												DOC:	1E35-65-020							
DESMET - Ballestra								SLS - SECT. 77							Size: mm		Thk: mm	Temp: °C		Pres: BAR		Corr: mm	
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch								
713	25	0	mm	3,38		mm	,00	0,20	m	164	Pipe ASME B36.19 PL sch.40S Seamless ASTM A 312 TP304		0,51										
762	300	0	mm	3,0		mm	,00	0,50	m	164	Pipe SB-ATI-PT005/0 PL Welded ASTM A 240 Gr. TP304		12,11										
777	1100	0	mm	4,0		mm	,00	13,50	m	164	Pipe SB-ATI-PT005/0 PL Welded ASTM A 240 Gr. TP304		1.512,29										
1502	8	0	mm			mm	,00	1,00	NR	164	Valve Plug SB-ATI-VM001/0 THRD-F NPT PN 16 Forged ASTM A 182 Gr. F316 M 53		0,20										
158	300	0	mm			mm	,00	1,00	NR	164	Flange Lap-Joint SB-ATI-PF012/0 * SB-ATI-PF012 FF Smooth From Plate Fe 360 B - UNI 7070	1943											
173	1100	0	mm			mm	,00	1,00	NR	164	Flange Lap-Joint SB-ATI-PF012/0 * SB-ATI-PF012 FF Smooth From Plate Fe 360 B - UNI 7070												
1872	300	0	mm			mm	,00	1,00	NR	164	Flange Blind + Disk SB-ATI-PF006/0 * SB-ATI-PF006(125÷250AARH) From Plate Fe 360 B - UNI 7070 - Galv. + DISK A240 TP304												
1524	1100	0	mm	4,0		mm	,00	2,00	NR	164	90° Miter SB-ATI-PC003/0 BE Welded ASTM A 240 Gr. TP304 R=1.5 D		592,62										
473	25	0	mm			mm	,00	1,00	NR	164	Coupling SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 182 Gr. F304		0,31										
529	300	0	mm	3,0		mm	,00	1,00	NR	164	Stub-End SB-ATI-PF009/0 BE * From Plate ASTM A 240 Gr. TP304												
544	1100	0	mm	4,0		mm	,00	1,00	NR	164	Stub-End SB-ATI-PF009/0 BE * From Plate ASTM A 240 Gr. TP304												
1943	M10	0	mm			mm	35,00	4,00	NR	164	Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740		0,16										
1955	M16	0	mm			mm	40,00	16,00	NR	164	Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740		2,56										
315	300	0	mm			mm	,00	1,00	NR	164	Gasket SB-ATI-PV009/1 * SB-ATI-PF012 FF Smooth _ A9C												
330	1100	0	mm			mm	,00	1,00	NR	164	Gasket SB-ATI-PV009/1 * SB-ATI-PF012 FF Smooth _ A9C												
M Erection												Total Kg:		2120,76									
SX2	SLS - SECT. 77 -DUCT				77011 - 0				SL1		1 / 1		TOTAL Kg:		2120,76								

77Y6
TI_77.B

Plant SX2 SLS - SECT. 77 -DUCT

Line 77011 - 0
Dang. fluid type
Area
Zones

Piping Class 164

Fluid
Coating
Sketch Sht 1 / 1

Welding specification SB-ATI-SP006/0 SB-ATI-SP007/0

System
De pres
Isometric code

Op tem

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DESMET - Ballestra							SLS - SECT. 77							Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm	
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch								
711	15	0	mm	2,77		mm	,00	6,00	m	164	Pipe ASME B36.19 PL sch.40S Seamless ASTM A 312 TP304		7,75										
777	1100	0	mm	4,0		mm	,00	18,50	m	164	Pipe SB-ATI-PT005/0 PL Welded ASTM A 240 Gr. TP304		2.072,39										
1502	8	0	mm			mm	,00	2,00	NR	164	Valve Plug SB-ATI-VM001/0 THRD-F NPT PN 16 Forged ASTM A 182 Gr. F316 M 53		0,41										
173	1100	0	mm			mm	,00	1,00	NR	164	Flange Lap-Joint SB-ATI-PF012/0 * SB-ATI-PF012 FF Smooth From Plate Fe 360 B - UNI 7070												
984	1300	1100	mm	4,0	4,0	mm	,00	1,00	NR	164	Reducer Concentric SB-ATI-PR005/0 BE Welded ASTM A 240 Gr. TP304												
1524	1100	0	mm	4,0		mm	,00	3,00	NR	164	90° Miter SB-ATI-PC003/0 BE Welded ASTM A 240 Gr. TP304 R=1.5 D		888,93										
544	1100	0	mm	4,0		mm	,00	1,00	NR	164	Stub-End SB-ATI-PF009/0 BE * From Plate ASTM A 240 Gr. TP304												
1731	15	8	mm			mm	,00	1,00	NR	164	Coupling Reducing SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 182 Gr. F304		0,03										
1955	M16	0	mm			mm	40,00	16,00	NR	164	Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740		2,56										
330	1100	0	mm			mm	,00	1,00	NR	164	Gasket SB-ATI-PV009/1 * SB-ATI-PF012 FF Smooth _ A9C												
M Erection												Total Kg:		2972,07									
SX2	SLS - SECT. 77 -DUCT				77012 - 0				SL1		1 / 1				TOTAL Kg:		2972,07						

	Plant	SX2 SLS - SECT. 77 -DUCT	Piping Class	164	Welding specification	SB-ATI-SP006/0 SB-ATI-SP007/0
	Line	77012 - 0	Fluid		System	
	Dang. fluid type		Coating		De pres	Op tem
	Area		Sketch Sht	1 / 1	Isometric code	Page 1
	Zones					

DESMET - Ballestra		SKETCHES MATERIAL LIST	PROJ:	1E35	REV:	0	13/04/2010
PUMA5	13/04/2010 11.22.11		DOC:	1E35-65-020			

DESMET - Ballestra				SLS - SECT. 77				Size: mm	Thk: mm	Temp: °C	Pres: BAR	Corr: mm
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Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch
743	500	0	mm	3,0		mm	,00	4,50	m	124	Pipe SB-ATI-PT002/0 PL Welded Fe 360 B - UNI 7070		168,12		
213	500	0	mm			mm	,00	2,00	NR	124	Flange Slip-On SB-ATI-PF001/0 * SB-ATI-PF001(125÷250AARH) From Plate Fe 360 B - UNI 7070	1942			
1555	500	0	mm	3,0		mm	,00	2,00	NR	124	90° Miter SB-ATI-PC003/0 BE Welded Fe 360 B - UNI 7070 R=1.5 D		90,00		
1942	M10	0	mm			mm	30,00	24,00	NR	124	Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740		0,96		
296	500	0	mm			mm	,00	2,00	NR	124	Gasket SB-ATI-PV009/1 * SB-ATI-PF001(125÷250AARH) _ A9C FLAT-RING				

M Erection												Total Kg:	259,08
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SX2	SLS - SECT. 77 -DUCT			77013 - 0			SL1			1 / 1			TOTAL Kg:	259,08
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WIRE NET- MESH 2,54x ø1mm - C.s. GALVANIZED = mq. 0,6 HV_77.7	Plant	SX2 SLS - SECT. 77 -DUCT	Piping Class	124	Welding specification	SB-ATI-SP006/0 SB-ATI-SP007/0
	Line	77013 - 0	Fluid		System	
	Dang. fluid type		Coating		De pres	Op tem
	Area		Sketch Sht	1 / 1	Isometric code	Page 1
	Zones					

DESMET - Ballestra								SKETCHES MATERIAL LIST						PROJ:		1E35		REV:		0		13/04/2010	
PUMA5				13/04/2010 11.22.11										DOC:		1E35-65-020							
DESMET - Ballestra								SLS - SECT. 77						Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm	
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch								
754	1100	0	mm	4,0		mm	,00	8,50	m	124	Pipe SB-ATI-PT002/0 PL Welded Fe 360 B - UNI 7070		933,18										
1502	8	0	mm			mm	,00	1,00	NR	124	Valve Plug SB-ATI-VM001/0 THRD-F NPT PN 16 Forged ASTM A 182 Gr. F316 M 53		0,20										
1566	1100	0	mm	4,0		mm	,00	2,00	NR	124	90° Miter SB-ATI-PC003/0 BE Welded Fe 360 B - UNI 7070 R=1.5 D		580,80										
476	8	0	mm			mm	,00	1,00	NR	124	Coupling SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 105		0,06										
M Erection												Total Kg:		1514,25									
SX2	SLS - SECT. 77 -DUCT					77014 - 0					SL1		1 / 1		TOTAL Kg:		1514,25						

77Y5 N. 1 manhole DN500 Std.46144	Plant	SX2 SLS - SECT. 77 -DUCT	Piping Class	124	Welding specification	SB-ATI-SP006/0 SB-ATI-SP007/0
	Line	77014 - 0	Fluid		System	
	Dang. fluid type		Coating		De pres	Op tem
	Area		Sketch Sht	1 / 1	Isometric code	Page 1
	Zones					

DESMET - Ballestra								SKETCHES MATERIAL LIST							PROJ:		1E35		REV:		0		13/04/2010			
PUMA5				13/04/2010 11.22.11											DOC:		1E35-65-020									
DESMET - Ballestra								SLS - SECT. 77							Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm			
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component							Gen. Bolt	Weight (Kg)		As.bly	Branch				
754	1100	0	mm	4,0		mm	,00	0,60	m	124	Pipe SB-ATI-PT002/0 PL Welded Fe 360 B - UNI 7070								65,87							
M Erection																	Total Kg:		65,87							
SX2	SLS - SECT. 77 -DUCT					77015 - 0					SL1					1 / 1					TOTAL Kg:		65,87			

77Y4	Plant	SX2 SLS - SECT. 77 -DUCT	Piping Class	124	Welding specification	SB-ATI-SP006/0 SB-ATI-SP007/0
77Y21	Line	77015 - 0	Fluid		System	
	Dang. fluid type		Coating		De pres	Op tem
	Area		Sketch Sht	1 / 1	Isometric code	Page 1
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DESMET - Ballestra							SKETCHES MATERIAL LIST							PROJ:		1E35		REV:		0		13/04/2010	
PUMA5				13/04/2010 11.22.11										DOC:		1E35-65-020							
DESMET - Ballestra							SLS - SECT. 77							Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm	
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch								
768	600	0	mm	3,0		mm	,00	0,50	m	164	Pipe SB-ATI-PT005/0 PL Welded ASTM A 240 Gr. TP304		22,89										
164	600	0	mm			mm	,00	1,00	NR	164	Flange Lap-Joint SB-ATI-PF012/0 * SB-ATI-PF012 FF Smooth From Plate Fe 360 B - UNI 7070	1951											
535	600	0	mm	3,0		mm	,00	1,00	NR	164	Stub-End SB-ATI-PF009/0 BE * From Plate ASTM A 240 Gr. TP304												
1950	M12	0	mm			mm	35,00	8,00	NR	164	Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740		0,56										
1951	M12	0	mm			mm	40,00	8,00	NR	164	Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740		0,64										
321	600	0	mm			mm	,00	1,00	NR	164	Gasket SB-ATI-PV009/1 * SB-ATI-PF012 FF Smooth _ A9C												
M Erection													Total Kg:		24,09								
SX2	SLS - SECT. 77 -DUCT						77018 - 0				SL1		1 / 1		TOTAL Kg:		24,09						

77Y12	Plant	SX2 SLS - SECT. 77 -DUCT				Piping Class	164				Welding specification	SB-ATI-SP006/0 SB-ATI-SP007/0					
	Line	77018 - 0				Fluid					System						
	Dang. fluid type					Coating					De pres						
	Area					Sketch Sht	1 / 1				Isometric code						
	Zones																

DESMET - Ballestra								SKETCHES MATERIAL LIST								PROJ:		1E35		REV:		0		13/04/2010	
PUMA5				13/04/2010 11.22.11												DOC:		1E35-65-020							
DESMET - Ballestra								SLS - SECT. 77								Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm	
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch										
742	450	0	mm	3,0		mm	,00	5,00	m	124	Pipe SB-ATI-PT002/0 PL Welded Fe 360 B - UNI 7070		168,01												
1502	8	0	mm			mm	,00	1,00	NR	124	Valve Plug SB-ATI-VM001/0 THRD-F NPT PN 16 Forged ASTM A 182 Gr. F316 M 53		0,20												
1554	450	0	mm	3,0		mm	,00	2,00	NR	124	90° Miter SB-ATI-PC003/0 BE Welded Fe 360 B - UNI 7070 R=1.5 D		71,40												
476	8	0	mm			mm	,00	1,00	NR	124	Coupling SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 105		0,06												
M Erection												Total Kg:		239,67											
SX2	SLS - SECT. 77 -DUCT				77022 - 0				SL1		1 / 1		TOTAL Kg:		239,67										

N. 1 HAND-HOLE DN350 Std.40259
77Y28

Plant SX2 SLS - SECT. 77 -DUCT

Line 77022 - 0

Dang. fluid type

Area

Zones

Piping Class 124

Fluid

Coating

Sketch Sht 1 / 1

Welding specification SB-ATI-SP006/0 SB-ATI-SP007/0

System

De pres

Isometric code

Op tem

DESMET - Ballestra								SKETCHES MATERIAL LIST						PROJ:		1E35		REV:		0		13/04/2010	
PUMA5				13/04/2010 11.22.12										DOC:		1E35-65-020							
DESMET - Ballestra								SLS - SECT. 77						Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm	
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch								
767	550	0	mm	3,0		mm	,00	18,50	m	164	Pipe SB-ATI-PT005/0 PL Welded ASTM A 240 Gr. TP304		776,17										
163	550	0	mm			mm	,00	2,00	NR	164	Flange Lap-Joint SB-ATI-PF012/0 * SB-ATI-PF012 FF Smooth From Plate Fe 360 B - UNI 7070	1951											
534	550	0	mm	3,0		mm	,00	2,00	NR	164	Stub-End SB-ATI-PF009/0 BE * From Plate ASTM A 240 Gr. TP304												
1950	M12	0	mm			mm	35,00	16,00	NR	164	Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740		1,12										
1951	M12	0	mm			mm	40,00	16,00	NR	164	Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740		1,28										
320	550	0	mm			mm	,00	2,00	NR	164	Gasket SB-ATI-PV009/1 * SB-ATI-PF012 FF Smooth _ A9C												
M Erection												Total Kg:		778,57									
SX2	SLS - SECT. 77 -DUCT						77023 - 0				SL1		1 / 1		TOTAL Kg:		778,57						

	Plant	SX2 SLS - SECT. 77 -DUCT				Piping Class	164				Welding specification	SB-ATI-SP006/0 SB-ATI-SP007/0					
	Line	77023 - 0				Fluid					System						
	Dang. fluid type					Coating					De pres						
	Area					Sketch Sht	1 / 1				Isometric code						
	Zones																
Page 1																	

DESMET - Ballestra							SKETCHES MATERIAL LIST							PROJ:		1E35		REV:		0		13/04/2010	
PUMA5			13/04/2010 11.22.12											DOC:		1E35-65-020							
DESMET - Ballestra							SLS - SECT. 77							Size: mm		Thk: mm		Temp: °C		Pres: BAR		Corr: mm	
Mark	S1	S2		T1	T2		Len mm	Qty	Um	Pip. class	Component	Gen. Bolt	Weight (Kg)	As.bly	Branch								
728	900	0	mm	6,0		mm	,00	5,00	m	109	Pipe SB-ATI-PT003/0 PL Welded Fe 410-1 KW - UNI 5869		671,74										
239	900	0	mm			mm	,00	2,00	NR	109	Flange Slip-On SB-ATI-PF001/0 * SB-ATI-PF001(125÷250AARH) From Plate Fe 510-C UNI 7070	1917											
1358	900	0	mm			mm	,00	1,00	NR	109	Blind & Spacer SB-ATI-PA001/0 WAFER * FF (125÷250 AARH) From Plate Fe 410-1 KW - UNI 5869	1919											
1540	900	0	mm	6,0		mm	,00	2,00	NR	109	90° Miter SB-ATI-PC003/0 BE Welded Fe 410-1 KW - UNI 5869 R=1.5 D		607,20										
1917	M12	0	mm			mm	55,00	24,00	NR	109	Stud Bolt + 2 Nuts SB-ATI-PV008B/0 ASME B18.2.1 UNC/2.2 Tab.9 ASTM A 193 B7 / A 194 Gr.2H		1,92										
1919	M12	0	mm			mm	70,00	24,00	NR	109	Stud Bolt + 2 Nuts SB-ATI-PV008B/0 ASME B18.2.1 UNC/2.2 Tab.9 ASTM A 193 B7 / A 194 Gr.2H		2,40										
274	900	0	mm			mm	,00	3,00	NR	109	Gasket SB-ATI-PV009/1 * SB-ATI-PF001(125÷250AARH) _ A9D FLAT-RING												
M Erection												Total Kg:		1283,26									
SX2	SLS - SECT. 77 -DUCT				77028 - 0				SL1		1 / 1		TOTAL Kg:		1283,26								

	Plant SX2 SLS - SECT. 77 -DUCT	Piping Class 109	Welding specification SB-ATI-SP006/0 SB-ATI-SP007/0
	Line 77028 - 0	Fluid	System
	Dang. fluid type	Coating	De pres
	Area	Sketch Sht 1 / 1	Isometric code
	Zones		Op tem
			Page 1