

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 13.59.11		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 13.59.11
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0101 / CARBON STEEL PIPE	1010	1E35.65.021	0

Mark	S1	S2	T1.	T2	Len. mm	P.L.	U.m	Take Off	Surplus	ACTUAL Manual	Tot Qty	Tot. W. (Kg)	PREVIOUS Qty	NEED Quantity	Weight (Kg)
Pipe ASME B36.10 PL E.R.W. API 5L Gr.B															
696	mm	300	0	mm	4,78	0	P2	m	,50		,50	18,80		,50	18,80
TOTAL FOR COMPONENT (Kg)												18,80			
									Total for negative movement -				Total for positive movement +		

Pipe ASME B36.10 PL sch.40 Seamless API 5L Gr.B															
701	mm	25	0	mm	3,38	0	P2	m	1,20		1,20	3,00		1,20	3,00
TOTAL FOR COMPONENT (Kg)												3,00			
									Total for negative movement -				Total for positive movement +		

Pipe SB-ATI-PT003/0 PL Welded Fe 410-1 KW - UNI 5869															
728	mm	900	0	mm	6,0	0	P2	m	24,50	2,00	26,50	3.560,21		26,50	3.560,21
TOTAL FOR COMPONENT (Kg)												3.560,21			
									Total for negative movement -				Total for positive movement +		

Pipe SB-ATI-PT002/0 PL Welded Fe 360 B - UNI 7070															
742	mm	450	0	mm	3,0	0	P2	m	5,00		5,00	168,01		5,00	168,01
743	mm	500	0	mm	3,0	0	P2	m	4,50		4,50	168,12		4,50	168,12
754	mm	1100	0	mm	4,0	0	P2	m	9,10	1,00	10,10	1.108,84		10,10	1.108,84
TOTAL FOR COMPONENT (Kg)												1.444,97			
									Total for negative movement -				Total for positive movement +		
TOTAL MR (Kg)												5.026,99			
									Total for negative movement -				Total for positive movement +		

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 13.59.35		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 13.59.35
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0102 / STAINLESS STEEL PIPE	1020	1E35.65.021	0

Len.									ACTUAL				PREVIOUS	NEED				
Mark	S1	S2		T1.	T2	mm	P.L.	U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)		
Pipe ASME B36.19 PL sch.40S Seamless ASTM A 312 TP304																		
711	mm	15	0	mm	2,77	0	P2	m	6,00	1,00		7,00	9,04		7,00	9,04		
713	mm	25	0	mm	3,38	0	P2	m	,20			,20	,51		,20	,51		
		TOTAL FOR COMPONENT (Kg)											9,55			9,55		
									Total for negative movement -					Total for positive movement +				9,55

Pipe SB-ATI-PT005/0 PL Welded ASTM A 240 Gr. TP304																
762	mm	300	0	mm	3,0	0	P2	m	,50			,50	12,11		,50	12,11
767	mm	550	0	mm	3,0	0	P2	m	18,50	2,00		20,50	860,08		20,50	860,08
768	mm	600	0	mm	3,0	0	P2	m	,50			,50	22,89		,50	22,89
777	mm	1100	0	mm	4,0	0	P2	m	32,00	2,00		34,00	3.808,72		34,00	3.808,72
TOTAL FOR COMPONENT (Kg)												4.703,80				4.703,80
									Total for negative movement -				Total for positive movement +			4.703,80
TOTAL MR (Kg)												4.713,35				4.713,35
									Total for negative movement -				Total for positive movement +			4.713,35

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 13.59.56		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 13.59.56
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0201 / CARBON STEEL FORGED FITTINGS	1040	1E35.65.021	0

Mark	S1	S2	T1.	T2	Len.		P.L. U.m	Take Off	Surplus	ACTUAL		Tot Qty	Tot. W. (Kg)	PREVIOUS	NEED	
					mm	P.L.				Qty	Quantity			Weight (Kg)		
Coupling SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 105																
476	mm	8	0	mm		0	P2 NR	2,00				2,00	,12		2,00	,12
480	mm	25	0	mm		0	P2 NR	5,00	1,00			6,00	1,80		6,00	1,80
		TOTAL FOR COMPONENT (Kg)									1,92				1,92	
								Total for negative movement -				Total for positive movement +			1,92	
		TOTAL MR (Kg)									1,92				1,92	
								Total for negative movement -				Total for positive movement +			1,92	

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 14.00.15		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 14.00.15
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0202 / STAINLESS STEEL FORGED FITTINGS	1050	1E35.65.021	0

Mark	S1	S2	Len.				P.L.	U.m	Take Off	Surplus	ACTUAL		Tot Qty	Tot. W. (Kg)	PREVIOUS	NEED	
			T1.	T2	mm						Manual				Qty	Quantity	Weight (Kg)
Coupling SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 182 Gr. F304																	
473	mm	25	0	mm	0	P2	NR		1,00				1,00	,31		1,00	,31
		TOTAL FOR COMPONENT (Kg)												,31			,31
									Total for negative movement -						Total for positive movement +		

Coupling Reducing SB-ATI-PR008/0 THRD-F NPT 3000# Forged ASTM A 182 Gr. F304																	
1731	mm	15	8	mm	0	P2	NR		1,00				1,00	,03		1,00	,03
TOTAL FOR COMPONENT (Kg)														,03			
									Total for negative movement -						Total for positive movement +		
TOTAL MR (Kg)														,34			
									Total for negative movement -						Total for positive movement +		

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 14.00.57		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 14.00.57
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0301 / CARBON STEEL BW FITTINGS	1070	1E35.65.021	0

Mark	S1	S2	Len.					Take Off	Surplus	ACTUAL			PREVIOUS Qty	NEED		
			T1.	T2	mm	P.L.	U.m			Manual	Tot Qty	Tot. W. (Kg)		Quantity	Weight (Kg)	
90° Miter SB-ATI-PC003/0 BE Welded Fe 410-1 KW - UNI 5869 R=1.5 D																
1540	mm	900	0	mm	6,0	0	P2	NR	3,00			3,00	910,80		3,00	910,80
		TOTAL FOR COMPONENT (Kg)										910,80				910,80
									Total for negative movement -				Total for positive movement +			910,80

90° Miter SB-ATI-PC003/0 BE Welded Fe 360 B - UNI 7070 R=1.5 D																	
1554	mm	450	0	mm	3,0	0	P2	NR	2,00			2,00	71,40		2,00	71,40	
1555	mm	500	0	mm	3,0	0	P2	NR	2,00			2,00	90,00		2,00	90,00	
1566	mm	1100	0	mm	4,0	0	P2	NR	2,00			2,00	580,80		2,00	580,80	
				TOTAL FOR COMPONENT (Kg)									742,20				742,20
									Total for negative movement -					Total for positive movement +			
				TOTAL MR (Kg)									1.653,00				1.653,00
									Total for negative movement -					Total for positive movement +			

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 14.01.17		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 14.01.17
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0302 / STAINLESS STEEL BW FITTINGS	1080	1E35.65.021	0

Mark	S1	S2	T1.	T2	Len. mm	P.L.	U.m	Take Off	Surplus	ACTUAL Manual	Tot Qty	Tot. W. (Kg)	PREVIOUS Qty	NEED Quantity	Weight (Kg)
Reducer Concentric SB-ATI-PR005/0 BE Welded ASTM A 240 Gr. TP304															
984	mm	1300	1100	mm	4,0	4,0	0	P2	NR	1,00		1,00		1,00	
TOTAL FOR COMPONENT (Kg)															
										Total for negative movement -			Total for positive movement +		

90° Miter SB-ATI-PC003/0 BE Welded ASTM A 240 Gr. TP304 R=1.5 D															
1524	mm	1100	0	mm	4,0		0	P2	NR	5,00		5,00	1.481,56	5,00	1.481,56
TOTAL FOR COMPONENT (Kg)												1.481,56			1.481,56
										Total for negative movement -			Total for positive movement +		1.481,56

Stub-End SB-ATI-PF009/0 BE * From Plate ASTM A 240 Gr. TP304															
529	mm	300	0	mm	3,0		0	P2	NR	1,00		1,00		1,00	
534	mm	550	0	mm	3,0		0	P2	NR	2,00		2,00		2,00	
535	mm	600	0	mm	3,0		0	P2	NR	1,00		1,00		1,00	
544	mm	1100	0	mm	4,0		0	P2	NR	2,00		2,00		2,00	
TOTAL FOR COMPONENT (Kg)															
										Total for negative movement -			Total for positive movement +		
TOTAL MR (Kg)												1.481,56			1.481,56
										Total for negative movement -			Total for positive movement +		1.481,56

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 14.01.51		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 14.01.51
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0401 / CARBON STEEL FLANGES	1090	1E35.65.021	0

Mark	S1	S2	T1.	T2	Len. mm	P.L.	U.m	Take Off	Surplus	ACTUAL Manual	Tot Qty	Tot. W. (Kg)	PREVIOUS Qty	NEED Quantity	Weight (Kg)
Flange Blind EN 1092-1 Type 05 PN 6 EN1092-1 B1-Ra Forged ASTM A 105															
153	mm	300	0	mm	0	P2	NR	1,00			1,00			1,00	
TOTAL FOR COMPONENT (Kg)															
								Total for negative movement -					Total for positive movement +		

Flange Lap-Joint SB-ATI-PF012/0 * SB-ATI-PF012 FF Smooth From Plate Fe 360 B - UNI 7070

158	mm	300	0	mm	0	P2	NR	1,00			1,00			1,00	
163	mm	550	0	mm	0	P2	NR	2,00			2,00			2,00	
164	mm	600	0	mm	0	P2	NR	1,00			1,00			1,00	
173	mm	1100	0	mm	0	P2	NR	2,00			2,00			2,00	
TOTAL FOR COMPONENT (Kg)															
								Total for negative movement -					Total for positive movement +		

Flange Slip-On SB-ATI-PF001/0 * SB-ATI-PF001(125÷250AARH) From Plate Fe 360 B - UNI 7070

213	mm	500	0	mm	0	P2	NR	2,00			2,00			2,00	
TOTAL FOR COMPONENT (Kg)															
								Total for negative movement -					Total for positive movement +		

Flange Slip-On SB-ATI-PF001/0 * SB-ATI-PF001(125÷250AARH) From Plate Fe 510-C UNI 7070

239	mm	900	0	mm	0	P2	NR	11,00			11,00			11,00	
TOTAL FOR COMPONENT (Kg)															
								Total for negative movement -					Total for positive movement +		

Flange Slip-On EN 1092-1 Type 01 PN 6 EN1092-1 B1-Ra Forged ASTM A 105

262	mm	300	0	mm	0	P2	NR	1,00			1,00			1,00	
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PUMA5	Material Request - Summary (1)	12/03/2010 14.01.51
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0401 / CARBON STEEL FLANGES	1090	1E35.65.021	0

Mark	S1	S2	T1.	T2	Len. mm	P.L. U.m	Take Off	Surplus	ACTUAL Manual	Tot Qty	Tot. W. (Kg)	PREVIOUS Qty	NEED Quantity	Weight (Kg)
TOTAL FOR COMPONENT (Kg)														
							Total for negative movement -					Total for positive movement +		
TOTAL MR (Kg)														
							Total for negative movement -					Total for positive movement +		

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 14.03.10		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 14.03.10
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0405 / GALVANIZED CARBON STEEL FLANGES	1110	1E35.65.021	0

Mark	S1	S2	Len.				P.L.	U.m	ACTUAL				PREVIOUS Qty	NEED		
			T1.	T2	mm				Take Off	Surplus	Manual	Tot Qty		Tot. W. (Kg)	Quantity	Weight (Kg)
Flange Blind + Disk SB-ATI-PF006/0 * SB-ATI-PF006(125÷250AARH) From Plate Fe 360 B - UNI 7070 - Galv. + DISK A240 TP304																
1872	mm	300	0	mm		0	P2	NR	1,00				1,00		1,00	
		TOTAL FOR COMPONENT (Kg)														
									Total for negative movement -					Total for positive movement +		
		TOTAL MR (Kg)														
									Total for negative movement -					Total for positive movement +		

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 14.03.41		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 14.03.41
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0601 / BOLTS	1130	1E35.65.021	0

Mark	S1	S2	T1.	T2	Len. mm	P.L.	U.m	Take Off	Surplus	ACTUAL Manual	Tot Qty	Tot. W. (Kg)	PREVIOUS Qty	NEED Quantity	Weight (Kg)
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															
1917	mm	M12	0	mm	55	P2	NR	240,00	12,00		252,00	20,16		252,00	20,16
1919	mm	M12	0	mm	70	P2	NR	24,00	4,00		28,00	2,80		28,00	2,80
1933	mm	M20	0	mm	100	P2	NR	12,00	2,00		14,00	5,74		14,00	5,74
												28,70			28,70
								Total for negative movement -					Total for positive movement +		28,70

Machine Bolt + 1 Nut SB-ATI-PV008A/0 - UNI 5727 + UNI 5592 4.6 UNI 3740 + 4A UNI 3740

1942	mm	M10	0	mm	30	P2	NR	24,00	5,00		29,00	1,16		29,00	1,16
1943	mm	M10	0	mm	35	P2	NR	4,00	1,00		5,00	,20		5,00	,20
1950	mm	M12	0	mm	35	P2	NR	24,00	5,00		29,00	2,03		29,00	2,03
1951	mm	M12	0	mm	40	P2	NR	24,00	5,00		29,00	2,32		29,00	2,32
1955	mm	M16	0	mm	40	P2	NR	32,00	6,00		38,00	6,08		38,00	6,08
												11,79			11,79
								Total for negative movement -					Total for positive movement +		11,79
												40,49			40,49
								Total for negative movement -					Total for positive movement +		40,49

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 14.04.02		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 14.04.02
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0701 / GASKETS	1140	1E35.65.021	0

Mark	S1	S2	T1.	T2	Len. mm	P.L.	U.m	Take Off	Surplus	ACTUAL Manual	Tot Qty	Tot. W. (Kg)	PREVIOUS Qty	NEED Quantity	Weight (Kg)
Gasket SB-ATI-PV009/1 * SB-ATI-PF001(125÷250AARH) _ A9D FLAT-RING															
274	mm	900	0	mm	0	P2	NR	12,00	6,00		18,00			18,00	
TOTAL FOR COMPONENT (Kg)															
								Total for negative movement -					Total for positive movement +		

Gasket SB-ATI-PV009/1 * SB-ATI-PF001(125÷250AARH) _ A9C FLAT-RING															
296	mm	500	0	mm	0	P2	NR	2,00	2,00		4,00			4,00	
TOTAL FOR COMPONENT (Kg)															
								Total for negative movement -					Total for positive movement +		

Gasket SB-ATI-PV009/1 * SB-ATI-PF012 FF Smooth _ A9C															
315	mm	300	0	mm	0	P2	NR	1,00	1,00		2,00			2,00	
320	mm	550	0	mm	0	P2	NR	2,00	2,00		4,00			4,00	
321	mm	600	0	mm	0	P2	NR	1,00	1,00		2,00			2,00	
330	mm	1100	0	mm	0	P2	NR	2,00	2,00		4,00			4,00	
TOTAL FOR COMPONENT (Kg)															
								Total for negative movement -					Total for positive movement +		

Gasket SB-ATI-PV009/1 PN 6 EN1092-1 B1-Ra _ B2D FLAT															
361	mm	300	0	mm	0	P2	NR	1,00	1,00		2,00			2,00	
TOTAL FOR COMPONENT (Kg)															
								Total for negative movement -					Total for positive movement +		
TOTAL MR (Kg)															
								Total for negative movement -					Total for positive movement +		

DESMET - Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	12/03/2010
PUMA5	12/03/2010 14.04.24		DOC:	1E35.65.021			

PUMA5	Material Request - Summary (1)	12/03/2010 14.04.24
1E35 - SLS - SECT. 77		

SubProject	Category of Good	MR ID	MR Number	MR Rev
C21 / 1E35.65.021	0801 / BLIND & SPACER	1150	1E35.65.021	0

Mark	S1	S2	T1.	T2	Len.		Take Off	Surplus	ACTUAL		Tot Qty	Tot. W. (Kg)	PREVIOUS	NEED		
					mm	P.L. U.m			Manual	Qty			Quantity	Weight (Kg)		
Blind & Spacer SB-ATI-PA001/0 WAFER * FF (125÷250 AARH) From Plate Fe 410-1 KW - UNI 5869																
1358	mm	900	0	mm		0	P2	NR	1,00			1,00			1,00	
		TOTAL FOR COMPONENT (Kg)														
								Total for negative movement -				Total for positive movement +				
		TOTAL MR (Kg)														
Total for negative movement -									Total for positive movement +							