

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 10.52.56		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.52.56
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0101 / CARBON STEEL PIPE	1010	1E35-65-1106	1

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 Seamless API 5L GR. B															
1431	In	1/4	0		mm	2,24	0	p4	m		,60		,38	,60	
1433	In	1/2	0		mm	2,77	0	p4	m		918,90	92,00	1.010,90	1.279,55	953,50
1434	In	3/4	0		mm	2,87	0	p4	m		160,00	16,00	176,00	296,83	176,00
1435	In	1	0		mm	3,38	0	p4	m		169,00	17,00	186,00	465,41	173,40
1437	In	1+1/2	0		mm	3,68	0	p4	m		332,90	33,00	365,90	1.481,61	319,90
1438	In	2	0		mm	3,91	0	p4	m		275,50	14,00	289,50	1.574,06	260,50
TOTAL FOR COMPONENT (Kg)												5.097,83			448,12
											Total for negative movement -		Total for positive movement +		448,12

Pipe ASME B36.10 PL E.R.W. API 5L GR. B

1452	In	2+1/2	0		mm	3,18	0	p4	m		81,60	8,00	89,60	490,58	120,40
1453	In	3	0		mm	3,18	0	p4	m		195,50	10,00	205,50	1.381,38	148,50
1454	In	4	0		mm	3,18	0	p4	m		189,50	9,00	198,50	1.729,71	197,00
1455	In	5	0		mm	3,18	0	p4	m		1,00		1,00	10,83	1,00
1457	In	6	0		mm	3,96	0	p4	m		64,00	3,00	67,00	1.075,24	65,50
1459	In	8	0		mm	4,78	0	p4	m		103,00	3,00	106,00	2.677,87	119,20
TOTAL FOR COMPONENT (Kg)												7.365,61			-81,81
											Total for negative movement -	502,11	Total for positive movement +		420,30
TOTAL MR (Kg)												12.463,45			366,32
											Total for negative movement -	502,11	Total for positive movement +		868,42

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 10.53.58		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.53.58
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0102 / STAINLESS STEEL PIPE	1020	1E35-65-1106	1

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 Seamless ASTM A 312 TP 304															
1504	In	1/2	0	mm	2,77	0	p4	m	.60			.60	.77	.60	
		TOTAL FOR COMPONENT (Kg)										.77			
									Total for negative movement -				Total for positive movement +		

Pipe ASME B36.19 PL Seamless ASTM A 312 TP 316																
1520	In	1/2	0	mm	2,77	0	p4	m	29,60	3,00		32,60	42,10	22,60	10,00	12,92
1521	In	3/4	0	mm	2,87	0	p4	m	12,50	2,00		14,50	24,95	21,00	-6,50	-11,19
				TOTAL FOR COMPONENT (Kg)									67,06			1,73
									Total for negative movement		-	11,19	Total for positive movement		+	12,92

Pipe ASME B36.19 PL E.R.W. ASTM A 312 TP 304																
1527	In	3	0	mm	2,11	0	p4	m	1,00			1,00	4,61	1,00		
1530	In	6	0	mm	2,77	0	p4	m	2,00			2,00	23,07	7,00	-5,00	-57,69
1531	In	8	0	mm	2,77	0	p4	m	6,50	1,00		7,50	113,08	8,00	-,50	-7,54
1532	In	10	0	mm	3,4	0	p4	m	12,00	1,00		13,00	299,84	13,00		
												440,61				-65,23
									Total for negative movement -			65,23	Total for positive movement +			

Pipe ASME B36.19 PL E.R.W. ASTM A 312 TP 316																		
1539	In	2+1/2	0	mm	2,11	0	p4	m	137,00	4,00		141,00	530,68	46,50	94,50	355,67		
1540	In	3	0	mm	2,11	0	p4	m	60,00	2,00		62,00	285,69	21,00	41,00	188,92		
1541	In	4	0	mm	2,11	0	p4	m	62,50	3,00		65,50	390,14	11,00	54,50	324,62		
1543	In	6	0	mm	2,77	0	p4	m	101,00	3,00		104,00	1.199,87	48,00	56,00	646,08		
				TOTAL FOR COMPONENT (Kg)									2.406,38				1.515,30	
									Total for negative movement -					Total for positive movement +				1.515,30

PUMA5	Material Request - Summary (1)	15/11/2010 10.53.58
1E35 - SULPHUREX GH/F		

SubProject		Category of Good										MR ID	MR Number	MR Rev			
P96 / 1E35-65-1106		0102 / STAINLESS STEEL PIPE										1020	1E35-65-1106	1			
Mark	S1	S2	T1.	T2	Len.		Take Off	Surplus	ACTUAL			PREVIOUS Qty	NEED				
					mm	P.L. U.m			Manual	Tot Qty	Tot. W. (Kg)		Quantity	Weight (Kg)			
					TOTAL MR (Kg)							2.914,81			1.451,80		
								Total for negative movement -				76,41	Total for positive movement +				1.528,21

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 10.54.35		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.54.35
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0105 / GALVANIZED CARBON STEEL PIPE	1030	1E35-65-1106	1

Mark	S1	S2	T1.	T2	Len.				Take Off	Surplus	ACTUAL			PREVIOUS Qty	NEED	
					mm	P.L.	U.m	Manual			Tot Qty	Tot. W. (Kg)	Quantity		Weight (Kg)	
Pipe ASME B36.10 THRD-M NPT Seamless API 5L GR. B Galvanized																
1493	In	1/2	0	mm	2,77	0	p4	m	261,00	26,00		287,00	363,27	304,00	-17,00	-21,52
1495	In	1	0	mm	3,38	0	p4	m	110,20	11,00		121,20	303,27	136,20	-15,00	-37,53
1497	In	1+1/2	0	mm	3,68	0	p4	m	20,50	2,00		22,50	91,11	22,00	,50	2,02
1498	In	2	0	mm	3,91	0	p4	m	68,00	7,00		75,00	407,79	61,50	13,50	73,40
1500	In	3	0	mm	5,49	0	p4	m	34,00	3,00		37,00	417,82	58,00	-21,00	-237,14
		TOTAL FOR COMPONENT (Kg)											1.583,25			-220,76
									Total for negative movement -				296,19	Total for positive movement +		75,43
		TOTAL MR (Kg)											1.583,25			-220,76
									Total for negative movement -				296,19	Total for positive movement +		75,43

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 10.55.08		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.55.08
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0201 / CARBON STEEL FORGED FITTING	1040	1E35-65-1106	1

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)				
Tee Reducing TA 50.6/1 SW-F 3000# Forged ASTM A 105																			
2797	In	3/4	1/2		mm		0	p4	NR		26,00	5,00		31,00	11,47	31,00			
		TOTAL FOR COMPONENT (Kg)											11,47						
										Total for negative movement			-		Total for positive movement			+	

Tee Straight TA 50.6/1 SW-F 3000# Forged ASTM A 105															
4687	In	1/2	0	mm	0	p4	NR	61,00	6,00		67,00	18,76	68,00	-1,00	-28
TOTAL FOR COMPONENT (Kg)											18,76				-28
								Total for negative movement -				.28	Total for positive movement +		

Reducing Insert M/F TA 50.7/2 THRD-M NPT x THRD-F 3000# Forged ASTM A 105																	
925	In	1	1/2	mm	0	p4	NR	4,00	1,00		5,00	,95	2,00	3,00	,57		
TOTAL FOR COMPONENT (Kg)											,95				,57		
								Total for negative movement			-		Total for positive movement			+	,57

Reducing Insert M/F TA 50.6/1 SW-F x PL 3000# Forged ASTM A 105 TYPE 12																										
1011	In	1/2	1/4	mm	2,77	2,24	0	p4	NR	2,00			2,00	,12	2,00											
TOTAL FOR COMPONENT (Kg)																		,12								
										Total for negative movement -										Total for positive movement +						

Coupling TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105															
1056	In	1/2	0	mm	0	p4	NR	16,00	3,00		19,00	2,28	19,00		
TOTAL FOR COMPONENT (Kg)												2,28			
								Total for negative movement -					Total for positive movement +		

Coupling TA 50.6/1 SW-F 3000# Forged ASTM A 105															
1091	In	1/2	0	mm	0	p4	NR	2,00			2,00	,28	2,00		

PUMA5	Material Request - Summary (1)	15/11/2010 10.55.08
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0201 / CARBON STEEL FORGED FITTING	1040	1E35-65-1106	1

Mark	S1	S2	Len.					ACTUAL					PREVIOUS Qty	NEED			
			T1.	T2	mm	P.L.	U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)		Quantity	Weight (Kg)		
				TOTAL FOR COMPONENT (Kg)										,28			
									Total for negative movement -					Total for positive movement +			

Coupling Half TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105

1124	In	1/2	0	mm	0	p4	NR	6,00	1,00		7,00	,42	10,00	-3,00	-,18	
1126	In	1	0	mm	0	p4	NR	6,00	1,00		7,00	1,05	8,00	-1,00	-,15	
				TOTAL FOR COMPONENT (Kg)								1,47				-,33
					Total for negative movement -							,33	Total for positive movement +			

Union TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105

1256	In	1	0	mm	0	p4	NR	2,00			2,00	1,30	2,00		
1258	In	1+1/2	0	mm	0	p4	NR	1,00			1,00	1,26	1,00		
1259	In	2	0	mm	0	p4	NR	4,00	1,00		5,00	10,05	5,00		
				TOTAL FOR COMPONENT (Kg)								12,61			
					Total for negative movement -								Total for positive movement +		

Union TA 50.6/1 SW-F 3000# Forged ASTM A 105

1289	In	1/2	0	mm	0	p4	NR	28,00	4,00		32,00	12,16	30,00	2,00	,76	
TOTAL FOR COMPONENT (Kg)												12,16				,76
								Total for negative movement -					Total for positive movement +			

Coupling Reducing TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105

4398	In	1/2	1/4	mm	0	p4	NR	24,00	2,00		26,00	,78	26,00		
4401	In	1	1/2	mm	0	p4	NR	1,00			1,00	,08		1,00	,08
				TOTAL FOR COMPONENT (Kg)								,86			,08
					Total for negative movement -								Total for positive movement +		,08

Coupling Reducing TA 50.6/1 SW-F 3000# Forged ASTM A 105

4447	In	1/2	1/4	mm	0	p4	NR	4,00	1,00		5,00	,15	5,00		
4449	In	3/4	1/2	mm	0	p4	NR	20,00	4,00		24,00	,72	24,00		

PUMA5	Material Request - Summary (1)	15/11/2010 10.55.08
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0201 / CARBON STEEL FORGED FITTING	1040	1E35-65-1106	1

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)	
		TOTAL FOR COMPONENT (Kg)											,87			
								Total for negative movement -						Total for positive movement +		

Cap TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105

4546	In	1/2	0	mm	0	p4	NR	4,00	1,00		5,00	,60	5,00			
4547	In	3/4	0	mm	0	p4	NR	6,00	1,00		7,00	1,33	7,00			
4548	In	1	0	mm	0	p4	NR	3,00	1,00		4,00	1,00	5,00	-1,00	-,25	
4550	In	1+1/2	0	mm	0	p4	NR	11,00	2,00		13,00	9,75	13,00			
4551	In	2	0	mm	0	p4	NR	2,00			2,00	3,20	2,00			
TOTAL FOR COMPONENT (Kg)												15,88				-,25
								Total for negative movement -				.25	Total for positive movement +			
TOTAL MR (Kg)												77,71				,55
								Total for negative movement -				.86	Total for positive movement +			

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	0	15/11/2010
PUMA5	15/11/2010 10.55.56		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.55.56
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0202 / STAINLESS STEEL FORGED FITTINGS	1050	1E35-65-1106	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)
45° Elbow TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 182 GR. F316															
79	In	3/4	0		mm		0	p4	NR		1,00			1,00	,52
TOTAL FOR COMPONENT (Kg)												,52			,52
											Total for negative movement -		Total for positive movement +		,52

Tee Straight TA 50.6/1 SW-F 3000# Forged ASTM A 182 GR. F316															
4695	In	1/2	0		mm		0	p4	NR		6,00	1,00		7,00	2,00
TOTAL FOR COMPONENT (Kg)												2,00			2,00
											Total for negative movement -		Total for positive movement +		2,00

Union TA 50.6/1 SW-F 3000# Forged ASTM A 182 GR. F316															
1297	In	1/2	0		mm		0	p4	NR		3,00			3,00	1,16
TOTAL FOR COMPONENT (Kg)												1,16			1,16
											Total for negative movement -		Total for positive movement +		1,16
TOTAL MR (Kg)												3,68			3,68
											Total for negative movement -		Total for positive movement +		3,68

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 10.56.37		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.56.37
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0205 / GALVANIZED CARBON STEEL FORGED FITTINGS	1060	1E35-65-1106	1

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)
45° Elbow TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105 Galvanized														
84	In	1/2	0		mm	0 p4 NR	39,00	8,00		47,00	15,04	47,00		
86	In	1	0		mm	0 p4 NR						2,00	-2,00	-1,70
89	In	2	0		mm	0 p4 NR	1,00			1,00	3,00		1,00	3,00
TOTAL FOR COMPONENT (Kg)											18,04			
							Total for negative movement -				1,70	Total for positive movement +		

90° Elbow TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105 Galvanized														
252	In	1/2	0		mm	0 p4 NR	169,00	17,00		186,00	74,40	189,00	-3,00	-1,20
254	In	1	0		mm	0 p4 NR	24,00	4,00		28,00	30,80	29,00	-1,00	-1,10
256	In	1+1/2	0		mm	0 p4 NR	4,00	1,00		5,00	12,00	3,00	2,00	4,80
257	In	2	0		mm	0 p4 NR	5,00	1,00		6,00	19,80	10,00	-4,00	-13,20
259	In	3	0		mm	0 p4 NR	1,00			1,00	9,00	8,00	-7,00	-63,00
TOTAL FOR COMPONENT (Kg)											146,00			
							Total for negative movement -				78,50	Total for positive movement +		

Tee Reducing TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105 Galvanized														
2765	In	1	1/2		mm	0 p4 NR	32,00	3,00		35,00	19,95	29,00	6,00	3,42
2770	In	1+1/2	1/2		mm	0 p4 NR	8,00	1,00		9,00	11,52	9,00		
2774	In	2	3/4		mm	0 p4 NR	18,00	3,00		21,00	37,80		21,00	37,80
2775	In	2	1		mm	0 p4 NR	2,00			2,00	3,60	5,00	-3,00	-5,40
2782	In	3	1		mm	0 p4 NR	11,00	2,00		13,00	36,40	1,00	12,00	33,60
2784	In	3	1+1/2		mm	0 p4 NR	1,00			1,00	2,80	1,00		
2785	In	3	2		mm	0 p4 NR						1,00	-1,00	-2,80
TOTAL FOR COMPONENT (Kg)											112,07			
							Total for negative movement -				8,20	Total for positive movement +		

PUMA5	Material Request - Summary (1)	15/11/2010 10.56.37
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0205 / GALVANIZED CARBON STEEL FORGED FITTINGS	1060	1E35-65-1106	1

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)
Tee Straight TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105 Galvanized															
4673	In	1/2	0		mm	0	p4 NR	6,00	1,00		7,00	1,96	11,00	-4,00	-1,12
4675	In	1	0		mm	0	p4 NR	3,00	1,00		4,00	2,28	4,00		
4678	In	2	0		mm	0	p4 NR	4,00	1,00		5,00	9,00	1,00	4,00	7,20
4680	In	3	0		mm	0	p4 NR	1,00			1,00	2,60	1,00		
TOTAL FOR COMPONENT (Kg)												15,84			6,08
												Total for negative movement - 1,12	Total for positive movement +		7,20

Reducing Insert M/F TA 50.7/2 THRD-M NPT x THRD-F 3000# Forged ASTM A 105 Galvanized

974	In	3/4	1/2		mm	0	p4 NR	18,00	4,00		22,00	2,42		22,00	2,42
976	In	1	1/2		mm	0	p4 NR	10,00	2,00		12,00	2,28	4,00	8,00	1,52
986	In	2	1		mm	0	p4 NR	1,00			1,00	,60		1,00	,60
988	In	2	1+1/2		mm	0	p4 NR	1,00			1,00	,90		1,00	,90
TOTAL FOR COMPONENT (Kg)												6,20			5,44
												Total for negative movement -	Total for positive movement +		5,44

Union TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105 Galvanized

1275	In	1/2	0		mm	0	p4 NR	61,00	9,00		70,00	21,00	70,00		
1277	In	1	0		mm	0	p4 NR	3,00	1,00		4,00	2,60	4,00		
1279	In	1+1/2	0		mm	0	p4 NR	1,00			1,00	1,26		1,00	1,26
1280	In	2	0		mm	0	p4 NR						1,00	-1,00	-2,01
TOTAL FOR COMPONENT (Kg)												24,86			-,75
												Total for negative movement - 2,01	Total for positive movement +		1,26

Coupling Reducing TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105 Galvanized

4431	In	2	1		mm	0	p4 NR						1,00	-1,00	-,10
4436	In	3	1		mm	0	p4 NR						1,00	-1,00	-,16
4439	In	3	2		mm	0	p4 NR	1,00			1,00	,16	2,00	-1,00	-,16

PUMA5	Material Request - Summary (1)	15/11/2010 10.56.37
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0205 / GALVANIZED CARBON STEEL FORGED FITTINGS	1060	1E35-65-1106	1

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)			
		TOTAL FOR COMPONENT (Kg)											,16			-42		
								Total for negative movement -					,42	Total for positive movement +				

Cap TA 50.7/2 THRD-F NPT 3000# Forged ASTM A 105 Galvanized

4567	In	1/2	0	mm	0	p4	NR	1,00				1,00	,12	1,00		
4569	In	1	0	mm	0	p4	NR	7,00	1,00			8,00	2,00	8,00		
4571	In	1+1/2	0	mm	0	p4	NR	1,00				1,00	,75	1,00		
4572	In	2	0	mm	0	p4	NR	3,00				3,00	4,80	3,00		
4574	In	3	0	mm	0	p4	NR	2,00				2,00	6,00	2,00		
TOTAL FOR COMPONENT (Kg)												13,67				
								Total for negative movement -						Total for positive movement +		
TOTAL MR (Kg)												336,84				4,57
								Total for negative movement -				91,95		Total for positive movement +		

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 10.57.10		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.57.10
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0301 / CARBON STEEL BW FITTINGS	1070	1E35-65-1106	1

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)				
45° Elbow Long Radius ASME B16.9 BE E.R.W. ASTM A 234 GR. WPB																			
128	In	2+1/2	0	mm	3,18	0	p4 NR						5,00	-5,00	-1,91				
129	In	3	0	mm	3,18	0	p4 NR	6,00	1,00		7,00	4,23	2,00	5,00	3,02				
130	In	4	0	mm	3,18	0	p4 NR	4,00	1,00		5,00	5,09	12,00	-7,00	-7,12				
133	In	6	0	mm	3,96	0	p4 NR	1,00			1,00	2,85	1,00						
135	In	8	0	mm	4,78	0	p4 NR	4,00			4,00	26,00	4,00						
		TOTAL FOR COMPONENT (Kg)											38,17				-6,01		
								Total for negative movement -					9,03	Total for positive movement +					3,02

45° Elbow Long Radius ASME B16.9 BE Wrought S ASTM A 234 GR. WPB																	
156	In	1	0	mm	3,38	0	p4 NR	7,00	1,00		8,00	,54	8,00				
158	In	1+1/2	0	mm	3,68	0	p4 NR	6,00	1,00		7,00	1,29	2,00	5,00	,92		
159	In	2	0	mm	3,91	0	p4 NR	11,00	2,00		13,00	4,07	14,00	-1,00	-,31		
				TOTAL FOR COMPONENT (Kg)								5,90				,61	
								Total for negative movement -				,31	Total for positive movement +				,92

90° Elbow Long Radius ASME B16.9 BE E.R.W. ASTM A 234 GR. WPB																
296	In	2+1/2	0	mm	3,18	0	p4 NR	7,00	1,00		8,00	6,36	10,00	-2,00	-1,59	
297	In	3	0	mm	3,18	0	p4 NR	32,00	3,00		35,00	41,18	27,00	8,00	9,41	
298	In	4	0	mm	3,18	0	p4 NR	40,00	4,00		44,00	90,95	34,00	10,00	20,67	
301	In	6	0	mm	3,96	0	p4 NR	18,00	3,00		21,00	118,92	22,00	-1,00	-5,66	
303	In	8	0	mm	4,78	0	p4 NR	37,00	4,00		41,00	489,95	44,00	-3,00	-35,85	
				TOTAL FOR COMPONENT (Kg)								747,36				
								Total for negative movement -				43,10	Total for positive movement +			
													30,08			

PUMA5	Material Request - Summary (1)	15/11/2010 10.57.10
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0301 / CARBON STEEL BW FITTINGS	1070	1E35-65-1106	1

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)
90° Elbow Long Radius ASME B16.9 BE Wrought S ASTM A 234 GR. WPB															
323	In	3/4	0	mm	2,87	0	p4 NR	24,00	5,00		29,00	2,50	29,00		
324	In	1	0	mm	3,38	0	p4 NR	70,00	7,00		77,00	10,41	87,00	-10,00	-1,35
326	In	1+1/2	0	mm	3,68	0	p4 NR	52,00	3,00		55,00	20,24	56,00	-1,00	-,37
327	In	2	0	mm	3,91	0	p4 NR	60,00	6,00		66,00	43,87	64,00	2,00	1,33
TOTAL FOR COMPONENT (Kg)												77,02			
												Total for negative movement - 1,72	Total for positive movement + 1,33		

Reducer Concentric ASME B16.9 BE E.R.W. ASTM A 234 GR. WPB

6084	In	3	1	mm	3,18	3,38	0 p4 NR	1,00			1,00	,57		1,00	,57
1644	In	3	1+1/4	mm	3,18	3,56	0 p4 NR	1,00			1,00	,57		1,00	,57
1646	In	3	2	mm	3,18	3,91	0 p4 NR	2,00			2,00	1,14	1,00	1,00	,57
1647	In	3	2+1/2	mm	3,18	3,18	0 p4 NR	1,00			1,00	,57		1,00	,57
1650	In	4	2+1/2	mm	3,18	3,18	0 p4 NR	4,00	1,00		5,00	4,29	3,00	2,00	1,72
1651	In	4	3	mm	3,18	3,18	0 p4 NR						2,00	-2,00	-1,72
1662	In	6	4	mm	3,96	3,18	0 p4 NR	3,00			3,00	6,53	3,00		
1666	In	8	4	mm	4,78	3,18	0 p4 NR	4,00			4,00	15,30	3,00	1,00	3,82
1668	In	8	5	mm	4,78	3,18	0 p4 NR						1,00	-1,00	-3,82
1671	In	8	6	mm	4,78	3,96	0 p4 NR	4,00			4,00	15,30		4,00	15,30
TOTAL FOR COMPONENT (Kg)												44,28			
												Total for negative movement - 5,54	Total for positive movement + 23,13		

Reducer Concentric ASME B16.9 BE Wrought S ASTM A 234 GR. WPB

1748	In	3/4	1/2	mm	2,87	2,77	0 p4 NR	2,00			2,00	,11	2,00		
1749	In	1	1/2	mm	3,38	2,77	0 p4 NR	8,00	2,00		10,00	1,35	7,00	3,00	,41
1754	In	1+1/2	1/2	mm	3,68	2,77	0 p4 NR	1,00			1,00	,26	1,00		
1756	In	1+1/2	1	mm	3,68	3,38	0 p4 NR	5,00	1,00		6,00	1,55	3,00	3,00	,77
1759	In	2	1	mm	3,91	3,38	0 p4 NR	2,00			2,00	,86		2,00	,86
1761	In	2	1+1/2	mm	3,91	3,68	0 p4 NR	4,00	1,00		5,00	2,15	3,00	2,00	,86

PUMA5	Material Request - Summary (1)	15/11/2010 10.57.10
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0301 / CARBON STEEL BW FITTINGS	1070	1E35-65-1106	1

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)												6,28			2,90
								Total for negative movement -					Total for positive movement +		2,90

Reducer Eccentric ASME B16.9 BE E.R.W. ASTM A 234 GR. WPB

5775	In	2+1/2	1+1/2	mm	3,18	3,68	0	p4	NR		2,00	,95		2,00	,95
2072	In	3	2	mm	3,18	3,91	0	p4	NR		1,00	,57		1,00	,57
2073	In	3	2+1/2	mm	3,18	3,18	0	p4	NR		1,00	,57	1,00		
2075	In	4	2+1/2	mm	3,18	3,18	0	p4	NR				1,00	-1,00	-86
2086	In	6	3	mm	3,96	3,18	0	p4	NR		1,00	2,18		1,00	2,18
2091	In	8	4	mm	4,78	3,18	0	p4	NR				1,00	-1,00	-3,82
2093	In	8	5	mm	4,78	3,18	0	p4	NR		4,00	15,30	3,00	1,00	3,82
2096	In	8	6	mm	4,78	3,96	0	p4	NR				3,00	-3,00	-11,47
TOTAL FOR COMPONENT (Kg)												19,57			-8,63
								Total for negative movement -				16,15	Total for positive movement +		7,53

Cap ASME B16.9 BE Seamless ASTM A 234 GR. WPB

4457	In	1+1/2	0	mm	3,68		0	p4	NR		1,00	,18	1,00		
4458	In	2	0	mm	3,91		0	p4	NR		3,00	,94	3,00		
4459	In	2+1/2	0	mm	3,18		0	p4	NR		6,00	2,23	7,00		
4460	In	3	0	mm	3,18		0	p4	NR		1,00	,41	1,00		
4461	In	4	0	mm	3,18		0	p4	NR		1,00	,86	1,00		
TOTAL FOR COMPONENT (Kg)												4,62			
								Total for negative movement -					Total for positive movement +		
TOTAL MR (Kg)												943,20			-6,96
								Total for negative movement -				75,86	Total for positive movement +		68,91

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 10.57.48		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.57.48
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0302 / STAINLESS STEEL BW FITTINGS	1080	1E35-65-1106	1

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)	
45° Elbow Long Radius ASME B16.9 BE Wrought S ASTM A 403 GR. WP316																
165	In	3/4	0	mm	2,87	0	p4 NR	2,00			2,00	,06		2,00	,06	
		TOTAL FOR COMPONENT (Kg)										,06				
								Total for negative movement -					Total for positive movement +			

45° Elbow Long Radius ASME B16.9 BE Wrought W ASTM A 403 GR. WP316																
183	In	2+1/2	0	mm	2,11	0	p4 NR	2,00				2,00	,52	2,00		
185	In	4	0	mm	2,11	0	p4 NR	4,00				4,00	2,76		4,00	2,76
187	In	6	0	mm	2,77	0	p4 NR	4,00				4,00	8,14	4,00		
				TOTAL FOR COMPONENT (Kg)								11,41				2,76
								Total for negative movement -						Total for positive movement +		2,76

90° Elbow Long Radius ASME B16.9 BE Wrought S ASTM A 403 GR. WP316																
333	In	3/4	0	mm	2,87	0	p4 NR	7,00	1,00		8,00	,70	14,00	-6,00	-,53	
TOTAL FOR COMPONENT (Kg)												,70				-,53
								Total for negative movement -				-,53	Total for positive movement +			

90° Elbow Long Radius ASME B16.9 BE Wrought W ASTM A 403 GR. WP304																
342	In	6	0	mm	2,77	0	p4 NR	2,00			2,00	8,08	3,00	-1,00	-4,04	
343	In	8	0	mm	2,77	0	p4 NR	3,00			3,00	21,20	2,00	1,00	7,07	
TOTAL FOR COMPONENT (Kg)								29,28								3,02
								Total for negative movement -				4,04	Total for positive movement +			

90° Elbow Long Radius ASME B16.9 BE Wrought W ASTM A 403 GR. WP316															
351	In	2+1/2	0	mm	2,11	0	p4 NR	20,00	2,00		22,00	11,84	10,00	12,00	6,46
352	In	3	0	mm	2,11	0	p4 NR	9,00	1,00		10,00	7,97	4,00	6,00	4,78

PUMA5	Material Request - Summary (1)	15/11/2010 10.57.48
1E35 - SULPHUREX GH/F		

SubProject		Category of Good										MR ID	MR Number	MR Rev			
P96 / 1E35-65-1106		0302 / STAINLESS STEEL BW FITTINGS										1080	1E35-65-1106	1			
Mark		S1	S2	T1.	T2	Len.		P.L.	U.m	Take Off	Surplus	ACTUAL		PREVIOUS Qty	NEED		
						mm	P.L.					Manual	Tot Qty		Tot. W. (Kg)	Quantity	Weight (Kg)
353	In	4	0	mm	2,11		0	p4	NR	10,00			10,00	13,99	4,00	6,00	8,40
355	In	6	0	mm	2,77		0	p4	NR	17,00	1,00		18,00	72,75	11,00	7,00	28,29
			TOTAL FOR COMPONENT (Kg)										106,55				47,93
										Total for negative movement -				Total for positive movement +			47,93
Reducer Concentric ASME B16.9 BE Wrought S ASTM A 403 GR. WP316																	
1776	In	3/4	1/2	mm	2,87	2,77	0	p4	NR	3,00			3,00	,18		3,00	,18
			TOTAL FOR COMPONENT (Kg)										,18				,18
										Total for negative movement -				Total for positive movement +			,18
Reducer Concentric ASME B16.9 BE Wrought W ASTM A 403 GR. WP304																	
1806	In	8	6	mm	2,77	2,77	0	p4	NR	2,00			2,00	4,52		2,00	4,52
			TOTAL FOR COMPONENT (Kg)										4,52				4,52
										Total for negative movement -				Total for positive movement +			4,52
Reducer Eccentric ASME B16.9 BE Wrought W ASTM A 403 GR. WP304																	
2231	In	8	6	mm	2,77	2,77	0	p4	NR					2,00	-2,00		-4,52
			TOTAL FOR COMPONENT (Kg)														-4,52
										Total for negative movement -			4,52	Total for positive movement +			
Stub-End MSS SP-43 FLG x BE Wrought S ASTM A 403 GR. WP304 Type A																	
1207	In	1/2	0	mm	2,77		0	p4	NR	2,00			2,00	,17	2,00		
			TOTAL FOR COMPONENT (Kg)										,17				
										Total for negative movement -				Total for positive movement +			
Stub-End MSS SP-43 FLG x BE Wrought S ASTM A 403 GR. WP316 Type A																	
1213	In	1/2	0	mm	2,77		0	p4	NR	19,00	2,00		21,00	1,78	7,00	14,00	1,19
1214	In	3/4	0	mm	2,87		0	p4	NR	10,00	2,00		12,00	1,23	17,00	-5,00	-5,11
			TOTAL FOR COMPONENT (Kg)										3,01				,67
										Total for negative movement -			,51	Total for positive movement +			1,19

PUMA5	Material Request - Summary (1)	15/11/2010 10.57.48
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0302 / STAINLESS STEEL BW FITTINGS	1080	1E35-65-1106	1

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)
Stub-End MSS SP-43 FLG x BE Wrought W ASTM A 403 GR. WP304 Type A															
1220	In	3	0	mm	2,11	0	p4 NR	1,00			1,00	,40	1,00		
1223	In	6	0	mm	2,77	0	p4 NR	2,00			2,00	2,66	2,00		
1224	In	8	0	mm	2,77	0	p4 NR	4,00			4,00	8,03	4,00		
1225	In	10	0	mm	3,4	0	p4 NR	4,00			4,00	14,57	6,00	-2,00	-7,29
TOTAL FOR COMPONENT (Kg)												25,65			
												Total for negative movement - 7,29	Total for positive movement +		

Stub-End MSS SP-43 FLG x BE Wrought W ASTM A 403 GR. WP316 Type A															
1232	In	2+1/2	0	mm	2,11	0	p4 NR	11,00	1,00		12,00	3,88	11,00	1,00	,32
1233	In	3	0	mm	2,11	0	p4 NR	4,00			4,00	1,60	4,00		
1234	In	4	0	mm	2,11	0	p4 NR	17,00	1,00		18,00	11,24	8,00	10,00	6,24
1236	In	6	0	mm	2,77	0	p4 NR	7,00	1,00		8,00	10,63	9,00	-1,00	-1,33
TOTAL FOR COMPONENT (Kg)												27,34			
												Total for negative movement - 1,33	Total for positive movement + 6,57		
TOTAL MR (Kg)												208,88			
												Total for negative movement - 18,22	Total for positive movement + 70,26		

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 10.58.23		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.58.23
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0401 / CARBON STEEL FLANGES	1090	1E35-65-1106	1

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)
Flange Blind ASME B16.5 150 LB RF (125÷250 AARH) Forged ASTM A 105															
403	In	1+1/2	0		mm		0 p4 NR	1,00			1,00	1,60		1,00	1,60
		TOTAL FOR COMPONENT (Kg)										1,60			1,60
								Total for negative movement -					Total for positive movement +		

Flange Slip-On ASME B16.5 150 LB RF (125÷250 AARH) Forged ASTM A 105																
465	In	1/2	0	mm	0	p4	NR	23,00	2,00		25,00	10,00	21,00	4,00	1,60	
466	In	3/4	0	mm	0	p4	NR	2,00			2,00	1,40	2,00			
467	In	1	0	mm	0	p4	NR	27,00	3,00		30,00	24,00	27,00	3,00	2,40	
469	In	1+1/2	0	mm	0	p4	NR	14,00	1,00		15,00	21,00	14,00	1,00	1,40	
470	In	2	0	mm	0	p4	NR	24,00	2,00		26,00	57,20	33,00	-7,00	-15,40	
472	In	3	0	mm	0	p4	NR	18,00	1,00		19,00	77,90	22,00	-3,00	-12,30	
473	In	4	0	mm	0	p4	NR	11,00	1,00		12,00	67,20	16,00	-4,00	-22,40	
475	In	6	0	mm	0	p4	NR	15,00	2,00		17,00	127,50	18,00	-1,00	-7,50	
476	In	8	0	mm	0	p4	NR	28,00	1,00		29,00	365,40	30,00	-1,00	-12,60	
				TOTAL FOR COMPONENT (Kg)								751,60				-64,80
								Total for negative movement -				70,20		Total for positive movement +		5,40

Flange Slip-On x Wafer ASME B16.5 150 LB FF (125÷250 AARH) Forged ASTM A 105																
4728	In	4	0	mm	0	p4	NR	6,00	1,00		7,00	39,20	7,00			
TOTAL FOR COMPONENT (Kg)																
												39,20				
								Total for negative movement -					Total for positive movement +			
TOTAL MR (Kg)																
												792,40				-63,20
								Total for negative movement -				70,20	Total for positive movement +			

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 10.59.01		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 10.59.01
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0405 / GALVANIZED CARBON STEEL FLANGES	1110	1E35-65-1106	1

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)
Flange ASME B16.5 THRD-F NPT 150 LB RF (125÷250 AARH) Forged ASTM A 105 Galvanized															
390	In	1/2	0		mm		0 p4 NR	2,00			2,00	,80	2,00		
		TOTAL FOR COMPONENT (Kg)										,80			
								Total for negative movement -					Total for positive movement +		

Flange Lap-Joint ASME B16.5 150 LB Flat Face Smooth Forged ASTM A 105 Galvanized

446	In	1/2	0	mm	0	p4	NR	21,00	2,00		23,00	9,20	9,00	14,00	5,60	
447	In	3/4	0	mm	0	p4	NR	10,00	2,00		12,00	8,40	17,00	-5,00	-3,50	
452	In	2+1/2	0	mm	0	p4	NR	11,00	1,00		12,00	43,20	11,00	1,00	3,60	
453	In	3	0	mm	0	p4	NR	5,00			5,00	20,50	5,00			
454	In	4	0	mm	0	p4	NR	17,00	2,00		19,00	106,40	9,00	10,00	56,00	
456	In	6	0	mm	0	p4	NR	9,00	1,00		10,00	75,00	11,00	-1,00	-7,50	
457	In	8	0	mm	0	p4	NR	4,00			4,00	50,40	4,00			
458	In	10	0	mm	0	p4	NR	4,00			4,00	74,00	6,00	-2,00	-37,00	
				TOTAL FOR COMPONENT (Kg)								387,10				17,20
								Total for negative movement -				48,00		Total for positive movement +		65,20
				TOTAL MR (Kg)								387,90				17,20
								Total for negative movement -				48,00		Total for positive movement +		65,20

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 11.05.21		DOC:	1E35.65.1106			

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)
Stud Bolt + 2 Nuts TA 50.48B/28 ASME B18.2.1 UNC/2.2 TAB. 9 ASTM A 193 B7/ASTM A 194 GR.2H														
5191	In	1/2	0	mm	65	p4 NR	70,00	4,00		74,00	8,14	67,00	7,00	,77
5192	In	1/2	0	mm	70	p4 NR	102,00	5,00		107,00	11,77	97,00	10,00	1,10
5193	In	1/2	0	mm	75	p4 NR	56,00	3,00		59,00	7,08	55,00	4,00	,48
5199	In	5/8	0	mm	85	p4 NR	82,00	4,00		86,00	18,06	99,00	-13,00	-2,73
5201	In	5/8	0	mm	95	p4 NR	114,00	6,00		120,00	27,60	136,00	-16,00	-3,68
5204	In	5/8	0	mm	110	p4 NR	20,00	2,00		22,00	5,50	22,00		
5209	In	5/8	0	mm	140	p4 NR	16,00	2,00		18,00	5,22	18,00		
5210	In	5/8	0	mm	145	p4 NR	24,00	1,00		25,00	7,50	25,00		
5214	In	3/4	0	mm	100	p4 NR	36,00	2,00		38,00	31,92	34,00	4,00	3,36
5216	In	3/4	0	mm	110	p4 NR	168,00	8,00		176,00	154,88	168,00	8,00	7,04
5223	In	3/4	0	mm	155	p4 NR	48,00	2,00		50,00	53,00	59,00	-9,00	-9,54
5225	In	3/4	0	mm	170	p4 NR	32,00	5,00		37,00	41,44	37,00		
		TOTAL FOR COMPONENT (Kg)									372,11			-3,20
							Total for negative movement -				15,95	Total for positive movement +		12,75

Stud Bolt + 2 Nuts TA 50.48B/28 ASME B18.2.1 UNC/2.2 TAB. 9 ASTM A 193 B7/A194 2H Galvanized

5125	In	1/2	0	mm	65	p4	NR	24,00	2,00		26,00	2,86	26,00		
5127	In	1/2	0	mm	75	p4	NR	118,00	6,00		124,00	14,88	57,00	67,00	8,04
5136	In	5/8	0	mm	100	p4	NR	40,00	4,00		44,00	10,12	35,00	9,00	2,07
5137	In	5/8	0	mm	105	p4	NR	16,00	1,00		17,00	4,08	17,00		
5138	In	5/8	0	mm	110	p4	NR	136,00	7,00		143,00	35,75	67,00	76,00	19,00
5146	In	3/4	0	mm	110	p4	NR	-8,00	-2,00		-10,00	-8,80		-10,00	-8,80
5147	In	3/4	0	mm	115	p4	NR	96,00	5,00		101,00	90,90	84,00	17,00	15,30
5150	In	3/4	0	mm	130	p4	NR	24,00	4,00		28,00	26,88	28,00		
5155	In	3/4	0	mm	170	p4	NR	8,00	2,00		10,00	11,20	10,00		

PUMA5	Material Request - Summary (1)	15/11/2010 11.05.21
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0601 / BOLTS	1130	1E35-65-1106	1

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)
5158	In	7/8	0		mm		140 p4 NR	84,00	4,00		88,00	56,32	76,00	12,00	7,68
				TOTAL FOR COMPONENT (Kg)								244,19			43,29
								Total for negative movement -				8,80	Total for positive movement +		

Screws for valves ASME B 18.2.1 /UNC ASTM A 193 B7

5374	In	1/2	0	mm	35	p4	NR	24,00	4,00		28,00	2,24	28,00				
5376	In	5/8	0	mm	40	p4	NR	96,00	5,00		101,00	15,15	101,00				
5377	In	5/8	0	mm	45	p4	NR	16,00	2,00		18,00	2,88	18,00				
5379	In	3/4	0	mm	50	p4	NR	32,00	5,00		37,00	24,05	37,00				
				TOTAL FOR COMPONENT (Kg)								44,32					
								Total for negative movement -					Total for positive movement +				

Screws for valves ASME B 18.2.1 /UNC ASTM A 193 B7 Galvanized

5381	In	1/2	0	mm	30	p4	NR	48,00	2,00		50,00	4,00	50,00		
5384	In	5/8	0	mm	40	p4	NR	32,00	2,00		34,00	5,10	17,00	17,00	2,55
				TOTAL FOR COMPONENT (Kg)								9,10			2,55
					Total for negative movement -								Total for positive movement +		2,55
				TOTAL MR (Kg)								669,72			42,64
					Total for negative movement -							24,75	Total for positive movement +		67,39

Ballestra		Material Request - Summary (1)	PROJ:	1E35	REV:	1	15/11/2010
PUMA5	15/11/2010 11.06.19		DOC:	1E35.65.1106			

PUMA5	Material Request - Summary (1)	15/11/2010 11.06.19
1E35 - SULPHUREX GH/F		

SubProject	Category of Good	MR ID	MR Number	MR Rev
P96 / 1E35-65-1106	0701 / GASKET	1140	1E35-65-1106	1

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)	
Gasket TA 50.5/31 150 LB RF (125÷250 AARH) _ B5C																
659	In	1/2	0		mm		0 p4 NR	16,00	5,00		21,00		19,00	2,00		
660	In	3/4	0		mm		0 p4 NR	2,00	1,00		3,00		3,00			
661	In	1	0		mm		0 p4 NR	27,00	8,00		35,00		36,00	-1,00		
663	In	1+1/2	0		mm		0 p4 NR	9,00	4,00		13,00		12,00	1,00		
664	In	2	0		mm		0 p4 NR	6,00	3,00		9,00		9,00			
666	In	3	0		mm		0 p4 NR	9,00	3,00		12,00		14,00	-2,00		
667	In	4	0		mm		0 p4 NR	4,00	2,00		6,00		6,00			
		TOTAL FOR COMPONENT (Kg)														
								Total for negative movement -						Total for positive movement +		

PUMA5	Material Request - Summary (1)	15/11/2010 11.06.19
1E35 - SULPHUREX GH/F		

SubProject		Category of Good										MR ID	MR Number	MR Rev		
P96 / 1E35-65-1106		0701 / GASKET										1140	1E35-65-1106	1		
Mark	S1	S2	T1.	T2	Len.		Take Off	Surplus	ACTUAL		Tot Qty	Tot. W. (Kg)	PREVIOUS Qty	NEED		
					mm	P.L. U.m			Manual	Quantity				Weight (Kg)		
717	In	3	0	mm		0	p4 NR	4,00	2,00		6,00		6,00			
718	In	4	0	mm		0	p4 NR	17,00	8,00		25,00		12,00	13,00		
720	In	6	0	mm		0	p4 NR	12,00	6,00		18,00		15,00	3,00		
721	In	8	0	mm		0	p4 NR	4,00	2,00		6,00		6,00			
722	In	10	0	mm		0	p4 NR	8,00	5,00		13,00		10,00	3,00		
		TOTAL FOR COMPONENT (Kg)														
								Total for negative movement -					Total for positive movement +			
		TOTAL MR (Kg)														
								Total for negative movement -					Total for positive movement +			