DI	ESMET	Γ - Bal	llestra	ı					M	laterial Req	uest - Sumi	mary (1)		PROJ: 2F	11	REV: 1	23/07/2012
PUMA5			23/07/2	2012 13.44.0	00					_				DOC: 2F	11-65-103	•	•
]	PUMA5	i				1			M	Iaterial Reques	st - Summary (1)		2	23/07/2012 13.44.00
										2F11 -	SABIZ 8000 kg		,	,		l	
SubProject				Category	of Good										MR ID MI	R Number	MR Rev
P03 / 2F11-65-103				0101 / CAF	RBON S	TEEL	PIPE								1010 2F	1-65-103	1
							Len.					ACTUAL			PREVIOUS	NE	ED
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 B36.10 l	PL E.R.	W. API	5L Gr	В													
899	In	2+1/	2 0	mm	3,18		0	P1	m	,40			,40	2,19	,40		
900	In	3	0	mm	3,18		0	P1	m	223,50	11,00		234,50	1.576,32	233,00	1,50	10,08
901	In	4	0	mm	3,18		0	P1	m	138,00	7,00		145,00	1.263,52	109,00	36,00	313,70
902	In	5	0	mm	3,18		0	P1	m	4,40			4,40	47,66	4,40		
904	In	6	0	mm	3,96		0	P1	m	82,00	8,00		90,00	1.444,36	90,00		
				TOTAL	FOR C	OMP	ONEN	Τ (Кσ)					4.334,04			323,78
								- (8		7	Total for negati	ve movement	-	То	tal for positive n	novement +	323,78
Pipe ASME B36.10 l	PL sch.4	0 Sean	nless A	PI 5L Gr.B													
929	In	1/4	0	mm	2,24		0	P1	m	2,20			2,20	1,39	2,20		
931	In	1/2	0	mm	2,77		0	P1	m	891,10	89,00		980,10	1.240,56	974,10	6,00	7,59
932	In	3/4	0	mm	2,87		0	P1	m	175,00	18,00		193,00	325,50	193,00		
933	In	1	0	mm	3,38		0	P1	m	272,10	27,00		299,10	748,41	275,10	24,00	60,05
934	In	1+1	4 0	mm	3,56		0	P1	m	,40			,40	1,36	,40		
935	In	1+1	2 0	mm	3,68		0	P1	m	195,40	20,00		215,40	872,20	199,40	16,00	64,79
936	In	2	0	mm	3,91		0	P1	m	411,40	21,00		432,40	2.351,03	424,40	8,00	43,50
				TOTAL	FOR C	OMP	ONEN	Т (Ко)					5.540,45			175,93
				101111			C11 2 11	- (**5	,	7	Total for negati	ve movement	-	То	tal for positive n	novement +	175,93
						тот	'AT B#	D (V-						9.874,49			499,72
						101	`AL M	r (rz	3)	To	otal for negative	e movement -		То	tal for positive m	novement +	499,72

DE	ESMET	Γ - Bal	llest	ra					N	Iaterial Re	quest - Sur	nmary (1)		PROJ: 2F	11	REV: 1	23/07/2012
PUMA5		2	23/0	7/2012 13.47.2	6						•			DOC: 2F	11-65-103	<u>l</u>	
		I	PUM	A5								Material Req	uest - Summary	(1)		2	23/07/2012 13.47.26
								•		2F11	- SABIZ 8000	kg/h				II.	
SubProject				Category o	f Good										MR ID MI	R Number	MR Rev
P03 / 2F11-65-103				0102 / STA		STEE	EL PIP	E							1020 2F	11-65-103	1
							Len.					ACTUAL			PREVIOUS	NE	ED
Mark		S1	S	2	T1.	T2	mm	P.L. U	J.m	Take Off	Surplus	Manu	al Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
Pipe ASME B36.19 F	PL sch.4	10S Sea	mles	ss ASTM A 312	2 TP304												
939	In	1/2	0	mm	2,77		0	P1	m	1,00			1,00	1,29	1,00		
941	In	1	0	mm	3,38		0	P1	m	34,00	3,00		37,00	94,47	27,00	10,00	25,53
				ТОТАІ	FOP C	OMP	ONEN	JT (Ka	-)					95,76			25,53
				TOTAL	TORC	P316			5)		Total for nega	tive movemen	t -	To	tal for positive n	novement +	25,53
Pipe ASME B36.19 F	PL sch.4	10S Sea	mles	ss ASTM A 312	2 TP316												
947	In	1/2	0	mm	2,77		0	P1	m	22,90	2,00		24,90	32,16	24,90		
948	In	3/4	0	mm	2,87		0	P1	m	2,00			2,00	3,44	2,00		
949	In	1	0	mm	3,38		0	P1	m	8,00	1,00		9,00	22,98	9,00		
952	In	2	0	mm	3,91		0	P1	m	69,00	3,00		72,00		-	15,00	83,22
				TOTAL	FOR C	OMP	ONEN	NT (Kg	2)					458,02			83,22
				_					9/		Total for nega	tive movemen	t -	To	otal for positive n	novement +	83,22
Pipe ASME B36.19 F	PL sch.5	S E.R.	W. A	ASTM A 312 TI	P304												
954	In	3	0	mm	2,11		0	P1	m	,50			,50	2,30	,50		
955	In	4	0	mm	2,11		0	P1	m	25,50	3,00		28,50	169,76	33,50	-5,00	-29,78
957	In	6	0	mm	2,77		0	P1	m	19,00	2,00		21,00	242,28			
958	In	8	0	mm	2,77		0	P1	m	6,00	1,00		7,00	,			
				TOTAL	FOR C	OMP	ONEN	NT (Kg	2)					519,89			-29,78
									,		Total for nega	tive movemen	t -	29,78 To	tal for positive n	novement +	
Pipe ASME B36.19 F	PL sch.5	S E.R.	W . <i>A</i>	ASTM A 312 TI	P316												
967	In	3	0	mm	2,11		0	P1	m	1,00			1,00	4,61	1,00		
968	In	4	0		2,11		0	P1	m	2,00			2,00	,	2,00		
969	In	5	0	mm	2,77		0	P1	m	,90			,90	8,69	,40	,50	4,83

]	PUMA	.5						N	Material Reque	st - Summary (1)			23/07/2012 13.47.26
									2F11 -	SABIZ 8000 k	g/h					
SubProject				Category	of Good									MR ID M	IR Number	MR Rev
P03 / 2F11-65-103				0102 / STA	INLESS	STEE	EL PIP	Έ						1020 2	F11-65-103	1
							Len.				ACTUAL			PREVIOUS	N	EED
Mark		S1	S2		T1.	T2	mm	P.L. U.n	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
970	In	6	0	mm	2,77		0	P1 m	12,50	1,00		13,50	155,75	13,50)	
				TOTAL	FOR C	'ОМР	ONEN	NT (Kø)					180,96			4,83
				101111		, O.1, 11	01121	(11g)		Total for negat	ive movement	-	То	tal for positive	movement +	4,83
						тот	'AT N	IR (Kg)					1.254,63			83,79
						101	AL IV	in (ng)	T	otal for negativ	e movement	- 2	29,78 To	tal for positive	movement +	113,58

DE	ESMET	- Ba	llesti	ra			Ŋ	Material Re	quest - Sum	mary (1)		PROJ: 2F	11	REV: 1	23/07/2012
PUMA5			23/07	7/2012 13.47.5	53							DOC: 2F	11-65-103		•
			PUM	A5					1	Material Reques	st - Summary ((1)			23/07/2012 13.47.53
								2F11	- SABIZ 8000 k	g/h					
SubProject				Category	of Good								MR ID M	R Number	MR Rev
P03 / 2F11-65-103				0105 / GAI	LVANIZ	ZED CARBON	STEEL	PIPE					1030 2F	11-65-103	1
						Len.				ACTUAL			PREVIOUS	NI	EED
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 B36.10+	Couplin	g ASN	ME 30	000# THRD-M	I NPT s	ch.40 Seamless	API 5I	GR. B Galvaniz	red						
980	In	1/2	0	mm	2,77	0 I	P1 m	290,00	29,00		319,00	403,77	319,00		
981	In	3/4	0	mm	2,87	0 I	P1 m	,50			,50	,84	,50		
982	In	1	0	mm	3,38	0 I	21 m	138,20	14,00		152,20	380,83	150,20	2,00	5,00
984	In	1+1	/2 0	mm	3,68	0 I	P1 m	66,00	7,00		73,00	295,59	64,00	9,00	36,44
985	In	2	0	mm	3,91	0 I	P1 m	70,00	7,00		77,00	418,66	84,00	-7,00	-38,06
986	In	2+1	/2 0	mm	5,16	0 I	P1 m	12,00	1,00		13,00	112,22	13,00		
				тотат	FOD (COMPONENT	(V a)					1.611,93			3,39
				TOTAL	FOR	OWIFONENT	(Kg)		Total for negat	ive movement	- 3	38,06 To	otal for positive i	movement +	41,45
						TOTAL MD	(V a)					1.611,93			3,39
						TOTAL MR	(K g)	7	Total for negativ	ve movement -	. 3	38,06 To	tal for positive r	novement +	41,45

ESMET	ր - Bal	lestra				N	Aaterial Req	uest - Sumr	nary (1)		PROJ: 2F	11	REV: 1	23/07/2012
	2	23/07/2	2012 13.49.03				_		•		DOC: 2F	11-65-103	•	•
	P	UMA5						M	aterial Reques	st - Summary (1)			23/07/2012 13.49.03
							2F11 - S			•	,		ı.	
			0 •		FORC	ED FITTI	NGS							MR Rev
	S1	S2	T1.	T2	Len. mm	P.L. U.m	Take Off	Surplus	ACTUAL Manual	Tot Qty	Tot. W. (Kg)	PREVIOUS Qty	NI Quantity	EED Weight (Kg)
PR007/0	SW-F	3000#	Forged ASTM A 10	5										
In	1/2	0	mm		0	P1 NR	7,00	1,00		8,00	1,44	8,00		
			TOTAL FOR (СОМР	ONEN	JT (Kg)					1,44			
						. 8/	Т	otal for negativ	e movement	-	То	tal for positive n	novement +	
PR008/0	THRD	F NP	T 3000# Forged AS	TM A 1	105									
In	1/2	0	mm		0	P1 NR	5,00	1,00		6,00	2,40	6,00		
In	1+1/	2 0	mm		0	P1 NR	4,00	1,00		5,00	12,00	5,00		
			TOTAL FOR (СОМР	ONEN	T (Kg)								
							Т	otal for negativ	e movement	-	То	tal for positive n	novement +	
PR007/0	SW-F	3000#	Forged ASTM A 10	5										
In	1/2	0	mm		0	P1 NR	309,00	31,00		340,00			5,00	1,25
In	3/4	0	mm		0	P1 NR	16,00	3,00		19,00				
			TOTAL FOR (COMP	ONEN	VT (Kg)								1,25
							1	otal for negativ	e movement	-	То	tal for positive n	novement +	1,25
ΓI-PR00	7/0 SW	-F 300	0# Forged ASTM A	105										
In	3/4	1/2	mm		0	P1 NR	16,00	3,00		19,00		19,00		
			TOTAL FOR (COMP	ONEN	VT (Kg)	Т	otal for negativ	e movement	-	То	tal for positive n	novement +	
-PR008/	0 THRI	D-F N	PT 3000# Forged A	STM A	105	<u> </u>							'	
			_			P1 NR	1,00			1.00	.57	1,00		
				COMP			-,50			2,00				
	TOTAL FOR COMPONENT						Т	otal for negativ	e movement	-	То	tal for positive n	novement +	
	PR007/0 In PR008/0 In In PR007/0 In In In	S1 PR007/0 SW-F 3 In 1/2 In 1/2 In 1/2 In 1/2 In 3/4 FI-PR007/0 SW In 3/4	S1 S2 PR007/0 SW-F 3000# In 1/2 0 In 1+1/2 0 In 1/2 0 In 3/4 0 TI-PR007/0 SW-F 3000# In 3/4 1/2 -PR008/0 THRD-F N	S1 S2 T1.	23/07/2012 13.49.03	23/07/2012 13.49.03 PUMA5 Category of Good 0201 / CARBON STEEL FOR COMPONEN CARBON SW-F 3000# Forged ASTM A 105 CARBON STEEL FOR COMPONEN CARBON SW-F 3000# Forged ASTM A 105 CARBON SW-F 3000# Forged ASTM A 105	23/07/2012 13.49.03 PUMA5 Category of Good 0201 / CARBON STEEL FORGED FITTI Len. Len. T2 mm P.L. U.m PR007/0 SW-F 3000# Forged ASTM A 105 In 1/2 0 mm 0 P1 NR TOTAL FOR COMPONENT (Kg) PR008/0 THRD-F NPT 3000# Forged ASTM A 105 In 1/2 0 mm 0 P1 NR In 1+1/2 0 mm 0 P1 NR TOTAL FOR COMPONENT (Kg) PR007/0 SW-F 3000# Forged ASTM A 105 In 1/2 0 mm 0 P1 NR In 3/4 0 mm 0 P1 NR TOTAL FOR COMPONENT (Kg) PR007/0 SW-F 3000# Forged ASTM A 105 In 3/4 0 mm 0 P1 NR TOTAL FOR COMPONENT (Kg) PR007/0 SW-F 3000# Forged ASTM A 105 In 3/4 1/2 mm 0 P1 NR TOTAL FOR COMPONENT (Kg) PR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# Forged ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# FORGED ASTM A 105 TOTAL FOR COMPONENT (Kg) PPR008/0 THRD-F NPT 3000# FORGED A	23/07/2012 13.49.03	23/07/2012 13.49.03	PUMA5	PUMA5	PUMAS Material Request - Summary (1) STILL SABIZ 8000 kg/h	PUMAS PUMA	PUMAS

		P	UMA:	5						-		aterial Request	- Summary (1)	-		23/07/2012 13.49.
										2F11 - S	SABIZ 8000 kg/	h					
SubProject P03 / 2F11-65-103				Category o			L FO	RGE	ED FITTI	NGS					MR ID MI 1040 2F1	R Number 11-65-103	MR Rev
							Le	n.				ACTUAL			PREVIOUS		EED
Mark		S1	S2		T1.	T2	m	m l	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
Tee Straight SB-ATI-	PR007/	0 SW-F	3000	# Forged AS	ТМ А	105											
2576	In	1/2	0	mm				0	P1 NR	79,00	12,00		91,00		91,00		
				TOTAL	ΕΩD	COM	DON'	ENT	Γ (Κα)	<u> </u>	U.	<u>"</u>					
				IOIAL	FOR	COM	ON.	ICIN I	I (Kg)	To	otal for negativ	e movement -		To	otal for positive n	novement +	
Reducing Insert M/F	SB-ATI	-PR007	/0 SV	V-F x PL 300	0# For	ged AS	TM	A 10	05 TYPE	11							<u></u>
613	In	1/2	1/4			2,24			P1 NR	1.00			1,00	,06	1,00		
618	In	3/4	1/2			2,77			P1 NR	2,00			2,00	,22	,		
									D (TZ)				,	,28			
				TOTAL	FOR	COM	PON.	ENT	I (Kg)	Te	otal for negativ	e movement -		To	tal for positive n	novement +	
Coupling SB-ATI-PR	2008/0 T	HRD-F	NP7	Γ 3000# Forg	ed AS	ГМ А	105										
667	In	1/2		mm				0	P1 NR	7.00	1.00		8.00	,96	8,00		
						~~-				. ,	7.5		-,	,96			
				TOTAL	FOR	COM	PON.	ENT	I (Kg)	Te	otal for negativ	e movement -		To	tal for positive n	novement +	
Coupling SB-ATI-PR	2007/0.5	W-F 30	000# I	Forged ASTM	f Δ 10 ⁴	5											
695	In	1/2		mm	17110.	5		0	P1 NR	6,00	1,00		7,00	,98	7,00		
073	111	1/2	Ť							0,00	1,00		7,00	,98	,		
				TOTAL	FOR	COM	PON	ENT	Γ (Kg)	Т	otal for negativ	e movement -			tal for positive n	novement +	
G 1' H 16 GD 45	EL DD 00	0 (0 7711	DD E	NDT 2000#		1 4 0777		105							Total Postation		
Coupling Half SB-A7					rorgeo	u ASTI			D1	- 00			= ^ -				
709	In	1/2		mm					P1 NR P1 NR	6,00	1,00		7,00	,42			
711	In	1	0	mm				U	PI NK	2,00			2,00	,30			
				TOTAL	FOR	COM	PON	ENT	Γ (Kg)	т.	otal for negativ	o movement			otal for positive n	novomont !	
										10	otai ioi negativ	e movement -		10	nai ioi positive II	iovement +	
Union SB-ATI-PR00	8/0 THF	RD-F N	PT 30	000# Forged	ASTM	A 105				·							
821	In	1/2	0	mm				0	P1 NR	2,00			2,00	,60	2,00		

		I	PUMA5							aterial Reques	t - Summary (1)			23/07/2012 13.49.
								2F11 - S	ABIZ 8000 kg	/h					
SubProject				Category of C	Good								MR ID MI	R Number	MR Rev
P03 / 2F11-65-103				0201 / CARB	ON ST	EEL FOR	GED FITTIN	IGS					1040 2F	11-65-103	1
						Len.				ACTUAL			PREVIOUS	NI	EED
Mark		S1	S2		T1.	T2 mm	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
823	In	1	0	mm		0	P1 NR	1,00			1,00	,65	1,00		
825	In	1+1/	2 0	mm		0	P1 NR	2,00			2,00	2,52	2,00		
826	In	2	0	mm		0	P1 NR	2,00			2,00	4,02	2,00		
				TOTAL F	OR CO	MPONE	NT (Kø)					7,79			
				TOTALL		or (E	(119)	To	otal for negativ	e movement	-	To	tal for positive n	novement +	
Union SB-ATI-PR00	07/0 SW-	F 3000)# Forg	ed ASTM A 10	05										
849	In	1/2	0	mm		0	P1 NR	17,00	3,00		20,00	7,60	20,00		
				TOTAL F	OD CC	MDONE	NT (Va)	,		,		7,60	1		
				TOTAL F	OK CC	DMPONE	N1 (Kg)	To	otal for negativ	e movement	-	To	tal for positive n	novement +	
Coupling Reducing	SB-ATI-l	PR008/	0 THR	D-F NPT 300	0# Forg	ed ASTM	A 105				<u> </u>				
2260	In	1/2	1/4	mm		0	P1 NR	83,00	12,00		95,00	2,85	95,00		
		3/4	1/2	mm		0	P1 NR	32,00	6,00		38,00	1,14	38,00		
2265	In	3/4		******		U	1 1 111	32,00	-,		36,00	1,1 .	,		
2265	In	3/4			OD CC			32,00	-,		38,00	3,99	2 3,0 3		
2265	In	3/4		TOTAL F	OR CC			· · · · · · · · · · · · · · · · · · ·	otal for negativ	ve movement	-	3,99	tal for positive n	novement +	
				TOTAL F		OMPONE		· · · · · · · · · · · · · · · · · · ·	·	ve movement	-	3,99	,	novement +	
Coupling Reducing 2384			/0 SW-	TOTAL F		OMPONE M A 105		· · · · · · · · · · · · · · · · · · ·	·	ve movement	4,00	3,99	,	novement +	
Coupling Reducing	SB-ATI-	PR007/	/0 SW-	TOTAL FO	d ASTN	OMPONE M A 105	NT (Kg)	To	otal for negativ	ve movement	-	3,99 To	tal for positive n	novement +	
Coupling Reducing	SB-ATI-	PR007/	/0 SW-	TOTAL FO	d ASTN	OMPONE M A 105	NT (Kg)	3,00	otal for negative	ve movement	4,00	3,99 To ,12 ,12	tal for positive n		
Coupling Reducing 2384	SB-ATI-I	PR007/ 1/2	/0 SW-1	TOTAL FO	d ASTM	M A 105 0 0 0 0 0 0 0 0 0 0 0 0	NT (Kg)	3,00	otal for negative		4,00	3,99 To ,12 ,12	tal for positive n		
Coupling Reducing	SB-ATI-I	PR007/ 1/2	/0 SW-1	TOTAL FO	d ASTM	MPONE A A 105 0 0 0 0 0 0 0 0 0 0 0 0	NT (Kg)	3,00	otal for negative		4,00	3,99 To ,12 ,12	tal for positive n		
Coupling Reducing 2384 Cap SB-ATI-PR008	SB-ATI-I In /0 THRE	PR007/ 1/2 -F NP	70 SW-1 1/4 PT 3000	TOTAL FO	d ASTM	0 A 105 0 DMPONE	NT (Kg) P1 NR NT (Kg)	3,00 To	1,00		4,00	3,99 To ,12 ,12 To	tal for positive n 4,00 tal for positive n		
Coupling Reducing 2384 Cap SB-ATI-PR008.2480	SB-ATI-I In /0 THRD	PR007/ 1/2 D-F NP 1/2	/0 SW-1/4	TOTAL FO F 3000# Forgeo mm TOTAL FO # Forged ASTI mm	d ASTM	0 A A 105 O O O O O O O O O O O O O O O O O O O	P1 NR NT (Kg) P1 NR	3,00 To	1,00 otal for negative		4,00	3,99 To ,12 ,12 ,12 ,48	4,00		
Coupling Reducing 2384 Cap SB-ATI-PR008. 2480 2481	SB-ATI- In /0 THRE In In	PR007/ 1/2 D-F NP 1/2 3/4	70 SW-1 1/4 2T 3000 0 0	TOTAL FOR TOTAL FOR TOTAL FOR TOTAL FOR THE FORMER ASTER THE TOTAL FOR THE FORMER ASTER THE TOTAL FOR THE TOTAL FO	d ASTM	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P1 NR NT (Kg) P1 NR P1 NR P1 NR	3,00 To	1,00 otal for negative		- 4,00 - 4,00 5,00	3,99 To ,12 ,12 ,12 ,12 ,48 ,95	4,00 tal for positive n 4,00 4,00 5,00		

		P	UMA	5			N	Material Request	t - Summary ((1)			23/07/2012 13.49.03
						2F11	- SABIZ 8000 kg	g/h					
SubProject				Category of Good							MR ID 1	MR Number	MR Rev
P03 / 2F11-65-103				0201 / CARBON ST	TEEL FORGED F	ITTINGS					1040 2	2F11-65-103	1
					Len.			ACTUAL			PREVIOUS	N	EED
Mark		S1	S2	T1.	T2 mm P.L. U	U.m Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
				TOTAL FOR CO	OMPONENT (K	a)				8,63			
				TOTALTOR	OMI OMEMI (II)	5/	Total for negat	ive movement -	-	To	otal for positive	e movement +	
Cap SB-ATI-PR007	/0 SW-F	3000#	Forge	d ASTM A 105									
2508	In	1/2	0	mm	0 P1	NR 2,00			2,00	,24	2,00	0	
				TOTAL FOR CO	OMPONENT (K	m)				,24			
				TOTAL FOR CO	OMI OMEMI (K	5)	Total for negat	ive movement -	-	To	otal for positive	e movement +	
				·	TOTAL MD (II					138,80			1,25
					TOTAL MR (K	O,	Total for negativ	ve movement -		То	tal for positive	movement +	1,25

D	ESMET	- Bal	lestr	a			Material Req	uest - Sum	mary (1)		PROJ: 2F	11	REV: 0	18/05/2012
PUMA5		1	18/05	/2012 11.20.28			•	•	•		DOC: 2F	11-65-103	•	•
		I	PUMA	5				1	Material Reques	st - Summary (1)		1	8/05/2012 11.20.28
						ı	2F11 -	SABIZ 8000 k		,	<i>'</i>		l l	
SubProject P03 / 2F11-65-103				Category of Good		FORGED F	ITTINGS						IR Number F11-65-103	MR Rev
Mark		S1	S2	T1.	Le T2 m	n. m P.L. U.n	n Take Off	Surplus	ACTUAL Manual	Tot Qty	Tot. W. (Kg)	PREVIOUS Qty	NE Quantity	ED Weight (Kg)
45° Elbow SB-ATI-I	PR007/0	SW-F	3000#	Forged ASTM A 18	82 Gr. F316	,						1		J
84	In	1/2	0	mm		0 P1 NF	3,00			3,00	,55		3,00	,55
				TOTAL FOR	COMPON	ENT (Kø)					,55			,55
				TOTALTON	001/11 01 (Livi (iig)		Total for negat	ive movement	-	To	tal for positive	movement +	,55
90° Elbow SB-ATI-I	PR007/0	SW-F	3000#	Forged ASTM A 1	82 Gr. F31 <i>6</i>	5								
197	In	1/2	0	mm		0 P1 NF	R 10,00	2,00		12,00	3,06		12,00	3,06
				TOTAL FOR	COMPON	ENT (Kg)					3,06			3,06
						. 0	Ţ.	Total for negat	ive movement	-	To	tal for positive	movement +	3,06
Tee Straight SB-ATI	-PR007/	0 SW-I	3000	O# Forged ASTM A	182 Gr. F3	16								
2580	In	1/2	0	mm		0 P1 NF	3,00			3,00			3,00	
				TOTAL FOR	COMPON	ENT (Kg)								
-								Total for negat	ive movement	-	To	tal for positive	movement +	
Coupling SB-ATI-Pl	R008/0 T	HRD-I	F NP	Γ 3000# Forged AS	гм А 182 (Gr. F316								
675	In	1/2	0	mm		0 P1 NF	1,00			1,00	,12		1,00	,12
				TOTAL FOR	COMPON	ENT (Kg)					,12			,12
								Total for negat	ive movement	-	To	tal for positive	movement +	,12
Coupling SB-ATI-Pl	R007/0 S	SW-F 30	000#	Forged ASTM A 182	2 Gr. F316									
699	In	1/2	0	mm		0 P1 NF	1,00			1,00	,14		1,00	,14
				TOTAL FOR	COMPON	ENT (Kg)					,14			,14
								Total for negat	ive movement	-	To	tal for positive	movement +	,14
Union SB-ATI-PR00	07/0 SW	-F 3000	# For	ged ASTM A 182 G	r. F316									
852	In	1/2	0	mm		0 P1 NF	5,00	1,00		6,00	2,33		6,00	2,33

]	PUM	1 5			M	aterial Request	Summary (1)			18/05/2012 11.20.28
					2F11 - SA	ABIZ 8000 kg/	h					
SubProject			Category of Good							MR ID M	IR Number	MR Rev
P03 / 2F11-65-103			0202 / STAINLESS STEEL FORC	GED FIT	TTINGS					1050 21	F11-65-103	0
			Len.				ACTUAL			PREVIOUS	N	EED
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	`(K ø)					2,33			2,33
			TOTAL TOR COM ONLY	(IIg)	То	otal for negativ	e movement -		To	tal for positive	movement +	2,33
			TOTAL MR	R (Kg)					6,20			6,20
			TOTAL MA	(**6)	Tota	al for negative	movement -		То	tal for positive	movement +	6,20

DE	SMET	ր - Bal	lestra			N	Aaterial Requ	uest - Sumn	nary (1)		PROJ: 2F	11	REV: 1	23/07/2012
PUMA5		2	23/07/20	12 13.49.44			_				DOC: 2F	11-65-103	•	•
		P	UMA5					Ma	terial Request	- Summary (1)			23/07/2012 13.49.44
							2F11 - S	SABIZ 8000 kg/l	1					
SubProject			(Category of Go	ood							MR ID MI	R Number	MR Rev
P03 / 2F11-65-103			(0205 / GALVA	NIZED CARBO	N STEEL	FORGED FITTING	GS				1060 2F	11-65-103	1
					Len.				ACTUAL			PREVIOUS	NE	EED
Mark		S1	S2	T	1. T2 mm	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
45° Elbow SB-ATI-Pl	R008/0	THRD	F NPT	3000# Forged A	ASTM A 105 G	alvanized								
66	In	1/2	0	mm	0	P1 NR	1,00			1,00	,32	1,00		
68	In	1	0	mm	0	P1 NR	3,00	1,00		4,00	3,40	4,00		
71	In	2	0	mm	0	P1 NR	1,00			1,00	3,00	1,00		
				TOTAL FOI	R COMPONE	NT (Kø)					6,72			
				TOTALLO	a com oraz	(119)	T	otal for negative	e movement -		То	tal for positive n	novement +	
90° Elbow SB-ATI-Pl	R008/0	THRD	-F NPT	3000# Forged A	ASTM A 105 G	alvanized								
179	In	1/2	0	mm	0	P1 NR	173,00	17,00		190,00	76,00	190,00		
181	In	1	0	mm	0	P1 NR	31,00	6,00		37,00	40,70	34,00	3,00	3,30
183	In	1+1/	2 0	mm	0	P1 NR	5,00	1,00		6,00	14,40	6,00		
184	In	2	0	mm	0	P1 NR	6,00	1,00		7,00	23,10		-3,00	-9,90
				TOTAL FOI	R COMPONE	NT (Kg)					154,20			-6,60
							T	otal for negative	e movement -		9,90 To	tal for positive n	novement +	3,30
Tee Reducing SB-AT	I-PR00	8/0 THI	RD-F N	PT 3000# Forge	ed ASTM A 105	5 Galvaniz	ed							
1738	In	1	1/2	mm	0	P1 NR	35,00	7,00		42,00		42,00		
1743	In	1+1/	2 1/2	mm	0	P1 NR	8,00	1,00		9,00		9,00		
1745	In	1+1/	2 1	mm	0	P1 NR	1,00			1,00		1,00		
1748	In	2	1	mm	0	P1 NR	6,00	1,00		7,00		7,00		
1750	In	2	1+1/2	mm	0	P1 NR	1,00			1,00		1,00		
				TOTAL FOI	R COMPONE	NT (Kg)								
						\ 0/	T	otal for negative	e movement -		То	tal for positive n	novement +	
Tee Straight SB-ATI-	PR008/	0 THRI	D-F NP	T 3000# Forged	ASTM A 105	Galvanized	1							
2562	In	1/2	0	mm	0	P1 NR	11,00	2,00		13,00	3,64	13,00		
2302	111	1/4	U	111111	0	1 1 111	11,00	2,00		13,00	3,04	13,00		

		P	UMA5							Material Reques	t - Summary (1)			23/07/2012 13.49.44
								2F11 - S	SABIZ 8000 k	g/h					
SubProject P03 / 2F11-65-10	03			Category of Goo 0205 / GALVAN		ARBO	N STEEL	FORGED FITTING	GS				MR ID MI 1060 2F	R Number 11-65-103	MR Rev
						Len.				ACTUAL			PREVIOUS	N	EED
Mark		S1	S2	T1.	T2	mm	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
2564	In	1	0	mm		0	P1 NR	4,00	1,00		5,00	2,85	5,00		
2566	In	1+1/2	2 0	mm		0	P1 NR	1,00			1,00		1,00		
2567	In	2	0	mm		0	P1 NR	2,00			2,00		2,00		
2568	In	2+1/2	2 0	mm		0	P1 NR	1,00			1,00		1,00		
				TOTAL FOR	COMP	ONEN	Т (Ка)					6,49			
				TOTALTOR	COMI	OILLI	I (IIg)	Te	otal for negat	ive movement	-	To	tal for positive n	novement +	
Reducing Insert I	M/F SB-ATI	-PR008	/0 THF	D-M NPT x TH	RD-F 30	000# Fo	rged AST	M A 105 Galvaniz	ed						
538	In	1/2	3/8	mm		0	P1 NR	1,00			1,00	,06	1,00		
544	In	1	1/2	mm		0	P1 NR	3,00	1,00		4,00	,76			
545	In	1	3/4	mm		0	P1 NR	2,00			2,00	,38	2,00		
561	In	2	1	mm		0	P1 NR	6,00	1,00		7,00	4,20	7,00		
				TOTAL FOR	COMP	ONEN	T (Ka)		<u>'</u>	,		5,40			
				TOTAL FOR	COMI	ONEN	I (Kg)	Te	otal for negat	ive movement	-	To	tal for positive n	novement +	
Coupling SB-AT	T-PR008/0 T	HRD-F	NPT:	3000# Forged AS	TM A 10	05 Galv	anized								
681	In	1/2	0	mm		0	P1 NR	4,00	1,00		5,00	,60	5,00		
				TOTAL FOR	COMP	ONEN	T (IZ-)		<u>'</u>			,60			
				TOTAL FOR	COMP	UNEN	I (Kg)	To	otal for negat	ive movement	-	То	tal for positive n	novement +	
Plug Hex. SB-A7	ΓΙ-PR008/0	ΓHRD-I	M NPI	3000# Forged A	STM A	105 Ga	lvanized								
767	In	1	0	mm		0	P1 NR	1,00			1,00	,35	1,00		
770	In	2	0	mm		0	P1 NR	1,00			1,00	1,50			
				TOTAL FOR	COMP	ONEN	T (Va)	•	<u>\</u>			1,85			
				TOTAL FOR	COMIT	ONEN	I (Kg)	T	otal for negat	ive movement	-	То	tal for positive n	novement +	
Union SB-ATI-P	R008/0 THI	RD-F N	PT 300	0# Forged ASTM	I A 105	Galvan	ized								
835	In	1/2	0	mm		0	P1 NR	44,00	9,00		53,00	15,90	53,00		
837	In	1	0	mm		0	P1 NR	4,00	1,00		5,00	3,25	5,00		
840	In	2	0	mm		0	P1 NR	2,00			2,00	4,02	2,00		

		P	UMA5						Material Request	- Summary (1)			23/07/2012 13.49.44
							2F11 - S	SABIZ 8000 k	g/h					
SubProject				Category of Goo	d							MR ID M	R Number	MR Rev
P03 / 2F11-65-103	3			0205 / GALVANI	ZED CARBO	ON STEEL	FORGED FITTIN	GS				1060 2F	11-65-103	1
					Len				ACTUAL			PREVIOUS	NI	EED
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	COMPONE	NT (Kg)					23,17			
						. (8)	Т	otal for negat	ive movement -		To	tal for positive r	novement +	
Coupling Reducin	ng SB-ATI-l	PR008/0) THRI	D-F NPT 3000# F	orged ASTM	I A 105 Gal	vanized							
2349	In	2+1/2	2 1/2	mm	C	P1 NR	1,00			1,00	,13	1,00		
2351	In	2+1/2	2 1	mm	C	P1 NR	1,00			1,00	,13	1,00		
2354	In	2+1/2	2 2	mm	C	P1 NR	2,00			2,00	,26	2,00		
				TOTAL FOR	COMPONE	NT (Kg)					,52			
						(8)	T	otal for negat	ive movement -		To	otal for positive r	novement +	
Cap SB-ATI-PR0	08/0 THRE	-F NP	Γ 3000#	Forged ASTM A	105 Galvani	ized								
2494	In	1/2	0	mm	C	P1 NR	2,00			2,00	,24	2,00		
2496	In	1	0	mm	C	P1 NR	6,00	1,00		7,00	1,75	7,00		
2498	In	1+1/2	2 0	mm	C	P1 NR	3,00			3,00	2,25	3,00		
2499	In	2	0	mm	C	P1 NR	1,00			1,00	1,60	1,00		
				TOTAL FOR	COMPONE	NT (Kg)					5,84			
						. (8)	Τ	otal for negat	ive movement -		To	otal for positive r	novement +	
					TOTAL	MR (Kg)					204,79			-6,60
					TOTAL	(116)	To	tal for negativ	e movement -		9,90 To	tal for positive n	novement +	3,30

D	ESMET	r - Bal	llest	ra			ľ	Material Rec	quest - Sumi	mary (1)		PROJ: 2F	11	REV: 1	23/07/2012
PUMA5			23/0′	7/2012 13.50.2	24				-	•		DOC: 2F	11-65-103	•	•
		1	PUM.	A5					M	aterial Reque	st - Summary (1)		2	3/07/2012 13.50.24
								2F11 -	SABIZ 8000 kg			,		II.	
SubProject				Category	of Good								MR ID MI	R Number	MR Rev
P03 / 2F11-65-103				0301 / CAI	RBON S	TEEL BW	FITTINGS						1070 2F	11-65-103	1
						Len.				ACTUAL			PREVIOUS	NE	ED
Mark		S1	S2	2	T1.	T2 mm	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
45° Elbow Long Ra	dius ASN	1E B16	5.9 B	E E.R.W. AST	M A 23	4 Gr. WPB									
86	In	3	0	mm	3,18	0	P1 NR	7,00	1,00		8,00	4,83	7,00	1,00	,60
87	In	4	0	mm	3,18	0	P1 NR	2,00			2,00	2,04	2,00		
90	In	6	0	mm	3,96	0	P1 NR	2,00			2,00	5,70	2,00		
				TOTAL	FOR C	OMPONE	ΝΤ (Κσ)					12,57			,60
				TOTAL	TORC		ivi (ivg)		Total for negativ	ve movement	-	То	tal for positive n	novement +	,60
45° Elbow Long Ra	dius ASN	1E B16	5.9 B	E sch.40 Wrou	ight S A	STM A 234	Gr. WPB								
116	In	1	0	mm	3,38	0	P1 NR	6,00	1,00		7,00	,47	10,00	-3,00	-,20
118	In	1+1/	/2 0	mm	3,68	0	P1 NR	4,00	1,00		5,00	,92	1,00	4,00	,74
119	In	2	0	mm	3,91	0	P1 NR	10,00	2,00		12,00	3,75	12,00		
				TOTAL	FOR C	COMPONE	ΝΤ (Κσ)					5,15			,53
				101111	TORC	OMI ONE	ivi (iig)	,	Total for negativ	ve movement	-	, <mark>20</mark> To	tal for positive n	novement +	,74
90° Elbow Long Ra	dius ASN	1E B16	5.9 B	E E.R.W. AST	M A 23	4 Gr. WPB									
199	In	3	0	mm	3,18	0	P1 NR	46,00	7,00		53,00	62,36	53,00		
200	In	4	0	mm	3,18	0	P1 NR	44,00	7,00		51,00	105,42	43,00	8,00	16,54
201	In	5	0	mm	3,18	0	P1 NR	1,00			1,00	3,15	1,00		
203	In	6	0	mm	3,96	0	P1 NR	34,00	5,00		39,00	220,85	39,00		
				тотат	FOR (COMPONE	NT (Ka)					391,77			16,54
				IOIAL	TOR	OMI ONE	ivi (ivg)		Total for negativ	ve movement	-	То	tal for positive n	novement +	16,54
90° Elbow Long Ra	dius ASM	1E B16	5.9 B	E sch.40 Wrou	ight S A	STM A 234	Gr. WPB								
229	In	1	0	mm	3,38	0	P1 NR	83,00	12,00		95,00	12,84	85,00	10,00	1,35
231	In	1+1/	/2 0	mm	3,68	0	P1 NR	45,00	7,00		52,00	19,14	52,00		
232	In	2	0	mm	3,91	0	P1 NR	60,00	6,00		66,00	43,87	65,00	1,00	,66

		F	PUMA5							I	Material Reques	t - Summary (1)			23/07/2012 13.50.24
									2F11 - S	ABIZ 8000 k	g/h				_	
SubProject			C	ategory o	of Good	d								MR ID M	R Number	MR Rev
P03 / 2F11-65-103			0	301 / CAF	RBON	STEEL	BW I	FITTINGS						1070 2F	11-65-103	1
							Len.				ACTUAL			PREVIOUS	N	EED
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	СОМР	ONE	NT (Kø)					75,85			2,02
				101/112	TOR	COM	01112	(IXg)	To	otal for negat	ive movement	-	То	tal for positive n	novement +	2,02
Reducer Concentric A	SME I	316.9 B	E E.R.W	. ASTM A	A 234 C	ir. WPB										
1011	In	3	2	mm	3,18	3,91	0	P1 NR	2,00			2,00	1,14	2,00		
1015	In	4	2+1/2	mm	3,18	3,18	0	P1 NR	2,00			2,00	1,72	2,00		
1016	In	4	3	mm	3,18	3,18	0	P1 NR	1,00			1,00	,86	1,00		
1021	In	5	3	mm	3,18	3,18	0	P1 NR	1,00			1,00	1,40	1,00		
1026	In	6	3	mm	3,96	3,18	0	P1 NR	1,00			1,00	2,18			
				TOTAL	FOR	COMP	ONE	NT (Kg)					7,30			
				101111		001,11	0112	(1-8)	Te	otal for negat	ive movement	-	То	tal for positive n		
Reducer Concentric A	ASME I	316.9 B	E sch.40	Wrought	S AST	M A 23	4 Gr.	WPB								
1079	In	1	1/2	mm	3,38	2,77	0	P1 NR	5,00	1,00		6,00	,81	6,00		
1084	In	1+1/	2 1/2	mm	3,68	2,77	0	P1 NR	2,00			2,00	,52	2,00		
1086	In	1+1/	2 1	mm	3,68	3,38	0	P1 NR	2,00			2,00	,52	2,00		
1090	In	2	1+1/4	mm	3,91	3,56	0	P1 NR	2,00			2,00	,86	2,00		
1091	In	2	1+1/2	mm	3,91	3,68	0	P1 NR	2,00			2,00	,86	2,00		
				TOTAL	FOR	СОМР	ONE	NT (Kø)					3,56			
				101.11	TOR	001/11	0112	(118)	To	otal for negat	ive movement	-	То	tal for positive n	novement +	
Reducer Eccentric AS	SME B	16.9 BE	E.R.W.	ASTM A	234 Gr	. WPB										
1236	In	3	2	mm	3,18	3,91	0	P1 NR	2,00			2,00	1,14	2,00		
1253	In	6	5	mm	3,96	3,18	0	P1 NR	2,00			2,00	4,36	2,00		
				ТОТАТ	EOD	COMP	ONIE	NITE (IZ.)		<u> </u>			5,50			
				TOTAL	FOR	COMP	UNE	NI (Kg)	To	otal for negat	ive movement	-	То	tal for positive n	novement +	
Reducer Eccentric AS	SME B	16.9 BE	sch.40 V	Vrought S	ASTM	I A 234	Gr. V	VPB								
1373	In	1+1/		Ü	3.68			P1 NR	4.00	1.00		5,00	1,29	5.00		
	111	1 1 1/		111111	2,00	3,30	0	11 1110	1,00	1,00		5,00	1,27	5,00		

		I	PUMA	5						M	aterial Request	t - Summary (1)			23/07/2012 13.50.24
									2F11 - S	SABIZ 8000 kg	'h					
SubProject				Category o	of Good									MR ID M	R Number	MR Rev
P03 / 2F11-65-103				0301 / CAF	RBON S	TEEL	BW F	FITTINGS						1070 2H	F11-65-103	1
							Len.				ACTUAL			PREVIOUS	N	EED
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 C	OMP	ONE	NT (Kg)					1,29			
				TOTAL	TORC	OMI	ONE	(Kg)	T	otal for negativ	e movement	-	To	tal for positive	movement +	
Cap ASME B16.9 I	BE sch.40	Seaml	ess A	STM A 234 C	Gr. WPB			<u>.</u>								
2416	In	1	0	mm	3,38		0	P1 NR	6,00	1,00		7,00	,71	7,00		
2418	In	1+1/	2 0	mm	3,68		0	P1 NR	3,00			3,00	,55	3,00		
2419	In	2	0	mm	3,91		0	P1 NR	11,00	2,00		13,00	4,07	13,00		
2421	In	3	0	mm	3,18		0	P1 NR	1,00			1,00	,41	1,00		
				TOTAL	FOR C	ОМР	ONE	NT (Kø)					5,74			
				TOTAL	TORC	OM	OTTE	(IIg)	T	otal for negativ	e movement -	-	To	tal for positive	movement +	
						mor		D (V)					508,73			19,69
						10	TAL N	MR (Kg)	Tot	tal for negative	movement -		,20 To	tal for positive	movement +	19,89

D	ESME	Γ - Bal	llestra	a			N	Material Requ	uest - Sum	mary (1)		PROJ: 2F	11	REV: 1	23/07/2012
PUMA5		1	23/07/	2012 13.51.0	00			_		-		DOC: 2F	11-65-103		
		·	PUMA	5					N	Material Request	- Summary (1)			23/07/2012 13.51.00
							I	2F11 - S	SABIZ 8000 kg			,		l e	
SubProject				Category o	of Good								MR ID ME	R Number	MR Rev
P03 / 2F11-65-103				0302 / STA	INLESS	S STEEL B	W FITTING	SS					1080 2F1	1-65-103	1
						Lei	1.			ACTUAL			PREVIOUS	NI	EED
Mark		S1	S2		T1.	T2 mi	n P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
45° Elbow Long Ra	dius ASN	⁄IE В16	5.9 BE	sch.40S Wro	ought S	ASTM A 4	03 Gr. WP3	16							
125	In	3/4	0	mm	2,87		0 P1 NR	1,00			1,00	,03	1,00		
126	In	1	0	mm	3,38		0 P1 NR	2,00			2,00	,14	-		
				TOTAL	FOR C	COMPONI	ENT (Kg)					,17			
							(8)	T	otal for negat	ive movement -	•	То	tal for positive m	novement +	
45° Elbow Long Ra	dius ASN	ЛЕ В16	5.9 BE	sch.5S Wrou	ight W	ASTM A 4	03 Gr. WP30	04							
132	In	4	0	mm	2,11		0 P1 NR	1,00			1,00	,69	1,00		
134	In	6	0	mm	2,77		0 P1 NR	4,00			4,00	8,14	4,00		
				TOTAL	FOR C	COMPONI	ENT (Kg)					8,83			
								T	otal for negat	ive movement -		То	tal for positive m	novement +	
45° Elbow Long Ra	dius ASN	⁄IЕ В16	5.9 BE	sch.5S Wrou	ight W	ASTM A 4	03 Gr. WP3	16							
147	In	6	0	mm	2,77		0 P1 NR	2,00			2,00	4,07	6,00	-4,00	-8,14
				TOTAL	FOR C	COMPONI	ENT (Kg)					4,07			-8,14
							(g)	T	otal for negat	ive movement -	•	8,14 To	tal for positive m	novement +	
90° Elbow Long Ra	dius ASN	⁄IE В16	5.9 BE	sch.40S Wro	ought S	ASTM A 4	03 Gr. WP3	04							
234	In	1	0	mm	3,38		0 P1 NR	5,00	1,00		6,00	,83	5,00	1,00	,14
				TOTAL	FOR C	COMPONI	ENT (Kg)					,83			,14
							(g)	T	otal for negat	ive movement -		То	tal for positive m	novement +	,14
90° Elbow Long Ra	dius ASN	⁄IЕ В16	5.9 BE	sch.40S Wro	ought S	ASTM A 4	03 Gr. WP3	16							
238	In	3/4	0	mm	2,87		0 P1 NR	2,00			2,00	,18	2,00		
239	In	1	0	mm			0 P1 NR	6,00	1,00		7,00	,97			
242	In	2	0	mm	3,91		0 P1 NR	10,00	1,00		11,00	7,46	9,00	2,00	1,36

]	PUMA5	5						1	Material Request	- Summary (1	1)			23/07/2012 13.51.00
									2F11 - S	ABIZ 8000 k	g/h					
SubProject P03 / 2F11-65-103				Category o			EL B	W FITTI	NGS					MR ID MI 1080 2F	R Number 11-65-103	MR Rev
							Len				ACTUAL			PREVIOUS		EED
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	СОМІ	ONE	NT (Kg	,				8,60			1,36
									To	otal for negat	tive movement -		То	tal for positive n	novement +	1,36
90° Elbow Long Rad	lius ASN	ME B16	5.9 BE	sch.5S Wrou	ıght W	ASTM	A 40	3 Gr. W	2304							
245	In	4	0	mm	2,11		C) P1 N	R 3,00			3,00	4,20	3,00		
247	In	6	0	mm	2,77		C) P1 N	R 2,00			2,00	8,08	2,00		
				TOTAL	FOR	СОМІ	ONE	NT (Ko	,	,	,		12,28			
				TOTAL	TOR	COM	OITE	411 (III)		otal for negat	tive movement -		То	tal for positive n	novement +	
90° Elbow Long Rad	lius ASN	ИЕ В1 <i>6</i>	5.9 BE	sch 5S Wron	ıght W	ASTM	A 40	3 Gr. W	2316							
260	In	6	0		2,77) P1 N				3,00	12,13	1,00	2,00	8,08
									,		l .	,	12,13	-	•	8,08
				TOTAL	FOR	COMI	ONE	NT (Kg		otal for negat	tive movement -		То	tal for positive n	8,08	
Reducer Concentric	ASME I	B16.9 F	BE sch.	40S Wrough	nt S AS	TM A	103 G	r. WP31	 5			<u>2 - </u>	<u></u>			
1108	In	3/4	1/2	_		2,77) P1 N				1,00	,06	1,00		
1109	In	1	1/2			2,77) P1 N				2,00	,28	,		
-				тоты	EOD	COM	ONE	NIT (IZ -					,33			
				TOTAL	FUK	COMI	UNE	MI (Kg		otal for negat	tive movement -		То	tal for positive n	novement +	
Reducer Concentric	ASME I	R169 F	RE sch	5S Wrought	WAS	TM A 4	.03 G	r WP30								
1142	In	8	4	C		2,11) P1 N				1,00	2,26	1,00		
1144	In	8	6			2,77) P1 N	· · · · ·			1,00	2,26		1,00	2,26
									,			1,00	4,52	-	1,00	2,26
				TOTAL FOR COMPONENT (Kg)				NT (Kg		otal for negat	tive movement -		То	tal for positive n	novement +	2,26
Reducer Concentric	ASME I	B16.9 F	RE sch	5S Wrought	W AS	TM A 4	.03 G	r. WP31								
1191	In	6	5 5	•		2,77) P1 N				3,00	4,66	3,00		
11/1	111	- 0							,			3,00	4,66			
				TOTAL	FOR	COMI	ONE	NT (Kg		ntal for negat	tive movement -			tal for positive n	novement ±	
									10	rai ioi negat	ave movement -		10	tai ioi positive ii	iovement +	2/4

		I	PUMA5	1								aterial Request	- Summary (1)		2	23/07/2012 13.51.0
										2F11 - S	SABIZ 8000 kg	<u>/h</u>					
SubProject				Category o	of Goo	d									MR ID M	R Number	MR Rev
P03 / 2F11-65-103				0302 / STA	INLES	SS ST	EEL B	W FIT	ΓINGS						1080 2F	11-65-103	1
							Len					ACTUAL			PREVIOUS	NE	ED
Mark		S1	S2		T1.	T	2 mn	P.L.	U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
Reducer Eccentric AS	SME B1	16.9 BE	sch.5	S Wrought W	V AST	M A 4	103 Gr.	WP30	4								
1431	In	8	6	mm	2,77	2,7	7 () P1	NR						1,00	-1,00	-2,2
				TOTAL	EOD	COM	IDONE	NT (K	(a)	,	<u> </u>						-2,2
				IOIAL	FOR	COM	IFONE	ani (B	·g)	Т	Total for negativ	e movement -		2,26 To	tal for positive n	novement +	
Stub-End MSS SP-43	BE scl	h.40S V	Vrough	t S ASTM A	403 C	ir. WI	2304 T	vpe A									
774	In	1/2	0		2,77) P1	NR	2,00			2,00	,17	2,00		
776	In	1	0		3,38		() P1	NR	4,00	1,00		5,00	,81	3,00	2,00	,3
				ТОТАТ	EOD	COM	DONE	NIT (I	(a)					,98			,3
				TOTAL	FOR	COM	IPONE	NI (B	Lg)	Т	otal for negativ	e movement -		То	tal for positive n	novement +	,3
Stub-End MSS SP-43	BE sel	h 40S V	Vrough	t S ASTM A	403 6	ir WI	P316 Tv	vne A									
780	In	1/2	0		2,77) P1	NR	8,00	1,00		9,00	,76	9,00		
781	In	3/4	0	mm) P1		7.00	1,00		8,00	,82			
782	In	1	0	mm) P1		15,00	2,00		17,00	2,76			
785	In	2	0	mm	3,91		() P1	NR	11,00	1,00		12,00	5,75	10,00	2,00	,9
				TOTAL	FOR	COM	IPONE	NT (K	(a)			·		10,08			,9
				TOTAL	TOK	COM	ii Oivi	411 (1	rg)	Т	otal for negativ	e movement -		То	tal for positive n	novement +	,90
Stub-End MSS SP-43	BE sel	h.5S W	rought	W ASTM A	403 G	ir. WF	2304 Tv	ne A						<u> </u>			
787	In	3	0		2,11		•) P1	NR	1,00			1,00	,40	1,00		
788	In	4	0	mm) P1		5,00			5,00	3,12		1,00	,6
790	In	6	0	mm			() P1	NR	4,00			4,00	5,31	6,00	-2,00	-2,6
791	In	8	0	mm	2,77		() P1	NR	4,00			4,00	8,03	4,00		
				TOTAL	FOR	COM	PONE	NT (E	(g)					16,86			-2,0
				IOIAL	FUK	COIVI	II ONE	411 (E	g)	Т	otal for negativ	ve movement -		2,66 To	tal for positive n	novement +	,6
Stub-End MSS SP-43	BE scl	h.5S W	rought	W ASTM A	403 G	ir. WF	2316 Tv	ре А	1								
800	In	3	0		2,11		-) P1	NR	1,00			1,00	,40	1,00		
	111			111111	-,1				- 1-1	1,00			1,00	,40	1,50		

]	PUMA	5]	Material Reque	est - Summary (1)			23/07/2012 13.51.01
									2F11 -	SABIZ 8000 k	g/h					
SubProject				Category	of Good									MR ID M	IR Number	MR Rev
P03 / 2F11-65-103				0302 / STA	AINLESS	STEE	LBW	FITTING	S					1080 21	F11-65-103	1
							Len.				ACTUAL			PREVIOUS	N	EED
Mark		S1	S2		T1.	T2	mm	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
801	In	4	0	mm	2,11		0	P1 NR	2,00			2,00	1,25	2,00		
803	In	6	0	mm	2,77		0	P1 NR	6,00			6,00	7,97	6,00		
				ТОТАІ	FOR C	'OMPC	NEN	VT (Ka)					9,62			
		TOTAL FOR COMPONENT							•	Fotal for negat	tive movement	-	То	tal for positive	movement +	
						тот	AT N	MD (Kg)					93,97			,69
		TOTAL FOR COMPONENT						ik (kg)	T	otal for negati	ve movement	- 1	3,06 To	tal for positive	movement +	13,75

DI	ESMET	r - Bal	lest	ra			N	Iaterial Requ	uest - Sumr	nary (1)		PROJ: 2F	11	REV: 1	23/07/2012
PUMA5		2	23/0′	7/2012 13.51.45				-				DOC: 2F	11-65-103	•	•
		I	PUM	A5	-				М	aterial Reques	st - Summary (1)			23/07/2012 13.51.45
							•	2F11 - S	SABIZ 8000 kg/	h				•	
SubProject				Category of Goo	od								MR ID MI	R Number	MR Rev
P03 / 2F11-65-103				0401 / CARBON	N STEEL	FLAN	IGES						1090 2F	11-65-103	1
						Len.				ACTUAL			PREVIOUS	NE	EED
Mark		S1	S2	2 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 1	50 LB	RF (125÷250 AARH) Fo	orged AS	гм А	105								
285	In	3	0	mm		0	P1 NR	1,00			1,00	5,00	1,00		
				TOTAL FOR	сомр	ONEN	JT (K σ)					5,00			
				TOTALTOR	COM	OIVE	(I (IIg)	T	otal for negativ	e movement	-	То	tal for positive n	novement +	
Flange Slip-On ASM	E B16.5	5 150 L	B RI	F (125÷250 AARH)	Forged A	STM	A 105								
325	In	1/2	0	mm		0	P1 NR	20,00	3,00		23,00	9,20	23,00		
326	In	3/4	0	mm		0	P1 NR	2,00			2,00	1,40	2,00		
327	In	1	0	mm		0	P1 NR	27,00	4,00		31,00	24,80	30,00	1,00	,80
329	In	1+1/	2 0	mm		0	P1 NR	8,00	1,00		9,00	12,60	9,00		
330	In	2	0	mm		0	P1 NR	21,00	2,00		23,00	50,60	20,00	3,00	6,60
332	In	3	0	mm		0	P1 NR	23,00	2,00		25,00	102,50	26,00	-1,00	-4,10
333	In	4	0	mm		0	P1 NR	24,00	2,00		26,00	145,60	25,00	1,00	5,60
335	In	6	0	mm		0	P1 NR	27,00	3,00		30,00	225,00	30,00		
				TOTAL FOR	R COMP	ONEN	NT (Kg)					571,70			8,90
							, 0,	Т	otal for negativ	e movement	-	4,10 To	tal for positive n	novement +	13,00
					тол	DAT 3	(D (V -)					576,70			8,90
					101	AL N	IR (Kg)	То	tal for negative	movement -		4,10 Tot	tal for positive n	novement +	13,00

Di	ESMET	Γ - Bal	lestra	a			N	Material Reg	quest - Sumi	mary (1)		PROJ: 2F	11	REV: 1	23/07/2012
PUMA5		2	23/07/	2012 13.52.12								DOC: 2F	11-65-103		_
		I	PUMA	5					M	laterial Reques	st - Summary (1)		2	23/07/2012 13.52.12
								2F11 -	SABIZ 8000 kg	/h				•	
SubProject				Category of Goo	od								MR ID M	R Number	MR Rev
P03 / 2F11-65-103				0405 / GALVAN	IZED CA	ARBO	N STEEL	FLANGES					1110 2F	11-65-103	1
						Len.				ACTUAL			PREVIOUS	NE	ED
Mark		S1	S2	T1	. T2	mm	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
Flange Lap-Joint AS	ME B16	5.5 150	LB Fl	at Face Smooth For	rged AST	M A	105 Galva	nized							
306	In	1/2	0	mm		0	P1 NR	10,00	2,00		12,00	4,80	12,00		
307	In	3/4	0	mm		0	P1 NR	7,00	1,00		8,00	5,60	8,00		
308	In	1	0	mm		0	P1 NR	19,00	3,00		22,00	17,60	21,00	1,00	,80
311	In	2	0	mm		0	P1 NR	11,00	1,00		12,00	26,40	10,00	2,00	4,40
313	In	3	0	mm		0	P1 NR	2,00			2,00	8,20	2,00		
314	In	4	0	mm		0	P1 NR	7,00	1,00		8,00	44,80	7,00	1,00	5,60
316	In	6	0	mm		0	P1 NR	10,00	1,00		11,00	82,50	13,00	-2,00	-15,00
317	In	8	0	mm		0	P1 NR	4,00			4,00	50,40			
				TOTAL FOR	COMP	ONE	NT (Kg)					240,30			-4,20
							\ 0 /	-	Total for negativ	ve movement	- 1	.5,00 To	tal for positive n	novement +	10,80
Flange Blind + Disk	ASME I	B16.5 -	SB-A	TI-PF007/0 (DISK) 150 LB	RF (125÷250 A	ARH) Forged FL	G: ASTM A 105	Galvanized - D	OISK: A240 TYI	PE 316			
2807	In	6	0	mm		0	P1 NR	1,00			1,00	,89		1,00	,89
				TOTAL FOR	COMP	ONE	NT (Kg)					,89			,89
				TOTAL FOR	COMI	OIVE	(IIg)		Total for negati	ve movement	-	To	tal for positive n	novement +	,89
					тот	'AT N	MR (Kg)					241,19			-3,31
					101	AL N	in (ng)	T	otal for negative	e movement -	. 1	.5,00 To	tal for positive n	novement +	11,69

D	ESMET	ր - Bal	lestra	ı		ľ	Material Requ	uest - Sumi	mary (1)		PROJ: 2F	11	REV: 1	23/07/2012
PUMA5		- 2	23/07/2	2012 13.52.44			_				DOC: 2F	11-65-103	•	•
		I	PUMA5	-				M	laterial Request	- Summary (1)		2	3/07/2012 13.52.44
						ı	2F11 - S	SABIZ 8000 kg			,		·	
SubProject				Category of Goo	i							MR ID MI	R Number	MR Rev
P03 / 2F11-65-103				0601 / BOLTS								1130 2F	11-65-103	1
					Len.				ACTUAL			PREVIOUS	NE	ED
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 S	SB-ATI-I	V008E	3/0 AS	ME B18.2.1 UNC/2	2.2 Tab.9 ASTN	M A 193	B7 / A 194 Gr.2H							
2830	In	1/2	0	mm	65	P1 NR	80,00	8,00		88,00	9,68	88,00		
2831	In	1/2	0	mm	70	P1 NR	92,00	9,00		101,00	11,11	95,00	6,00	,66
2832	In	1/2	0	mm	75	P1 NR	24,00	4,00		28,00	3,36	37,00	-9,00	-1,08
2838	In	5/8	0	mm	85	P1 NR	48,00	7,00		55,00	11,55	46,00	9,00	1,89
2840	In	5/8	0	mm	95	P1 NR	110,00	6,00		116,00	26,68	107,00	9,00	2,07
2843	In	5/8	0	mm	110	P1 NR	20,00	4,00		24,00	6,00	24,00		
2848	In	5/8	0	mm	145	P1 NR	20,00	4,00		24,00	7,20	24,00		
2849	In	5/8	0	mm	150	P1 NR	48,00	7,00		55,00	17,05	55,00		
2850	In	3/4	0	mm	100	P1 NR	128,00	6,00		134,00	112,56	134,00		
2854	In	3/4	0	mm	120	P1 NR	8,00	2,00		10,00	9,20	10,00		
2858	In	3/4	0	mm	160	P1 NR	56,00	6,00		62,00	66,96	62,00		
				TOTAL FOR	COMPONEN	T (Kg)					281,35			3,54
						- (8)	T	otal for negativ	ve movement -	•	1,08 To	tal for positive n	novement +	4,62
Stud Bolt + 2 Nuts S	SB-ATI-I	V008E	3/0 AS	ME B18.2.1 UNC/2	2.2 Tab.9 ASTN	M A 193	B7 / A 194 2H Gal	vanized						
2909	In	1/2	0	mm	75	P1 NR	54,00	5,00		59,00	7,08	59,00		
2910	In	1/2	0	mm	80	P1 NR	50,00	8,00		58,00	6,96	53,00	5,00	,60
2921	In	5/8	0	mm	95	P1 NR	14,00	3,00		17,00	3,91	12,00	5,00	1,15
2923	In	5/8	0	mm	105	P1 NR	6,00	1,00		7,00	1,68	7,00		
2924	In	5/8	0	mm	110	P1 NR	32,00	5,00		37,00	9,25	28,00	9,00	2,25
2932	In	5/8	0	mm	150	P1 NR	8,00	2,00		10,00	3,10	10,00		
2995	In	5/8	0	mm	170	P1 NR	8,00	2,00		10,00	3,30	10,00		
2933	In	3/4	0	mm	115	P1 NR	84,00	8,00		92,00	82,80	106,00	-14,00	-12,60
2935	In	3/4	0	mm	130	P1 NR	16,00	3,00		19,00	18,24	19,00		
2940	In	3/4	0	mm	170	P1 NR	16,00	3,00		19,00	21,28	19,00		

		P	UMA5					N	Iaterial Reques	st - Summary (1)			23/07/2012 13.52.44
							2F11 -	SABIZ 8000 kg	/h					
SubProject				Category of Good								MR ID M	R Number	MR Rev
P03 / 2F11-65-103				0601 / BOLTS								1130 2F	11-65-103	1
					Len				ACTUAL			PREVIOUS	NE	EED
Mark		S1	S2	T1.	T2 mm	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
2941	In	3/4	0	mm	205	P1 NR	8,00	2,00		10,00	12,60	10,00		
				TOTAL FOR C	OMPONE	NT (Kø)					170,20			-8,60
				TOTALLION	01/11 01 (2	ivi (iig)	-	Fotal for negati	ve movement	- 1	2,60 To	tal for positive r	novement +	4,00
Screws for valves A	SME B 1	8.2.1/U	NC AS	TM A 193 B7										
2970	In	1/2	0	mm	30	P1 NR	32,00	5,00		37,00	2,96	37,00		
2971	In	1/2	0	mm	35	P1 NR	16,00	3,00		19,00	1,52	19,00		
2974	In	5/8	0	mm	40	P1 NR	28,00	4,00		32,00	4,80	28,00	4,00	,60
2975	In	5/8	0	mm	45	P1 NR	16,00	3,00		19,00	3,04	10,00	9,00	1,44
2978	In	3/4	0	mm	50	P1 NR	16,00	3,00		19,00	12,16	19,00		
				TOTAL FOR C	OMPONE	NT (Kø)					24,48			2,04
				TOTALTON	01/11 01/12	iti (iig)	, .	Fotal for negati	ve movement	-	То	tal for positive r	novement +	2,04
Screws for valves A	SME B 1	8.2.1/U	NC AS	TM A 193 B7 Galv	anized									
2981	In	1/2	0	mm	30	P1 NR	40,00	6,00		46,00	3,68	37,00	9,00	,72
2982	In	1/2	0	mm	35	P1 NR						10,00	-10,00	-,80
2984	In	5/8	0	mm	40	P1 NR	36,00	5,00		41,00	6,15	37,00	4,00	,60
2985	In	5/8	0	mm	45	P1 NR	36,00	5,00		41,00	6,56	10,00	31,00	4,96
2986	In	5/8	0	mm	50	P1 NR						28,00	-28,00	-4,48
				TOTAL FOR C	OMPONE	NT (Kg)					16,39			1,00
						. 8/		Fotal for negati	ve movement	-	5,28 To	tal for positive r	novement +	6,28
					TOTAL 1	MD (Kg)					492,42			-2,02
						viik (ikg)	T	otal for negative	e movement -	- 1	8,96 To	tal for positive n	novement +	16,94

DH	lestra	a	Material Request - Summary (1)						PROJ: 2F	711	REV: 1	23/07/2012			
PUMA5	23/07/2012 13.53.06							·	•	•		DOC: 2F	F11-65-103		•
	PUMA5								M		2	3/07/2012 13.53.06			
							I	2F11 -	SABIZ 8000 kg		, , ,	,		<u> </u>	
SubProject				Category of Good									MR ID ME	R Number	MR Rev
P03 / 2F11-65-103				0701 / GASKETS									1140 2F1	1-65-103	1
						Len.				ACTUAL			PREVIOUS	NE	ED
Mark		S1	S2	T1.	T2	mm	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
Gasket SB-ATI-PV00	09/5 150	LB RI	F (125	÷250 AARH) _ B5C											
371	In	1/2	0	mm		0	P1 NR	4,00	4,00		8,00		8,00		
373	In	1	0	mm		0	P1 NR	8,00	5,00		13,00		13,00		
375	In	1+1/	2 0	mm		0	P1 NR	6,00	4,00		10,00		13,00	-3,00	
376	In	2	0	mm		0	P1 NR	6,00	4,00		10,00		10,00		
378	In	3	0	mm		0	P1 NR	12,00	6,00		18,00		18,00		
379	In	4	0	mm		0	P1 NR	5,00	5,00		10,00		10,00		
				TOTAL FOR C	ОМР	ONEN	IT (Kg)								
									Fotal for negativ	ve movement	-	Total for positive movement +			
Gasket SB-ATI-PV00	09/5 150	LB RI	F (125	÷250 AARH) _ B5B											
399	In	1/2	0	mm		0	P1 NR	2,00	2,00		4,00		4,00		
401	In	1	0	mm		0	P1 NR	4,00	4,00		8,00		6,00	2,00	
403	In	1+1/	2 0	mm		0	P1 NR	4,00	4,00		8,00		8,00		
404	In	2	0	mm		0	P1 NR	18,00	9,00		27,00		24,00	3,00	
406	In	3	0	mm		0	P1 NR	6,00	4,00		10,00		10,00		
407	In	4	0	mm		0	P1 NR	9,00	5,00		14,00		13,00	1,00	
409	In	6	0	mm		0	P1 NR	21,00	10,00		31,00		31,00		
				TOTAL FOR C	OMP	ONEN	T (Kg)								
							Total for negative movement -					otal for positive m			
Gasket SB-ATI-PV00	09/5 150	LB RI	F (125	÷250 AARH) _ B5F											
418	In	1/2	0	mm		0	P1 NR	10,00	6,00		16,00		16,00		
419	In	3/4	0	mm		0	P1 NR	7,00	4,00		11,00		11,00		
420	In	1	0	mm		0	P1 NR	20,00	10,00		30,00		29,00	1,00	
423	In	2	0	mm		0	P1 NR	11,00	6,00		17,00		16,00	1,00	

PUMA5								Material Request - Summary (1)							23/07/2012 13.53.07
								2F11 - S	SABIZ 8000 kg/	h					
SubProject				Category of Good									MR ID MI	R Number	MR Rev
P03 / 2F11-65-103				0701 / GASKETS									1140 2F	1-65-103	1
						Len.				ACTUAL			PREVIOUS	NE	ED
Mark		S1	S2	T1.	T2	mm	P.L. U.m	Take Off	Surplus	Manual	Tot Qty	Tot. W. (Kg)	Qty	Quantity	Weight (Kg)
425	In	3	0	mm		0	P1 NR	3,00	3,00		6,00		6,00		
426	In	4	0	mm		0	P1 NR	9,00	5,00		14,00		13,00	1,00	
428	In	6	0	mm		0	P1 NR	12,00	6,00		18,00		21,00	-3,00	
429	In	8	0	mm		0	P1 NR	4,00	4,00		8,00		8,00		
				TOTAL FOR C	ОМР	ONE	NT (Kg)	т	otal for negativ		otal for positive n				
Gasket Spiral Wound	l SB-AT	T-PV00	09/5 15	50 LB RF (125÷250 A	ARH) _ G5	N INNER		otal for negativ	e movement -		10	otal for positive in	iovenient + [
2816	In	1/2	0	mm		0	P1 NR	14,00	7,00		21,00		21,00		
2817	In	3/4	0	mm		0	P1 NR	2,00	2,00		4,00		4,00		
2818	In	1	0	mm		0	P1 NR	15,00	8,00		23,00		23,00		
				TOTAL FOR C	OMP	ONE	NT (Kg)				Г				
								Т	otal for negativ	e movement -	otal for positive movement +				
					тол	DAT 3	(W)								
					101	AL N	IR (Kg)	То	tal for negative	movement -		To	otal for positive m	ovement +	