



System Bezeichnung	Pos	Stck	Benennung	Breite	Laenge	Abmessung	Norm	Material	Bemerkung	kg/Stck	kg/Anz.
AS_T1_ANTRIEB_TYP_D250MOD_EMG	1	1	Stellantrieb / actuator						MHPSE supply	64.00	64.0
AS_T11_U200_VORNE	11	1	U-Stahl / steel channel 200	1300.0				S235JRG2		32.13	32.1
AS_T12_U200_RECHTS	12	1	U-Stahl / steel channel 200	2637.0				S235JRG2		64.22	64.2
AS_T13_U200_LINKS	13	1	U-Stahl / steel channel 200	2637.0				S235JRG2		64.20	64.2
AS_T14_STOPFBUCHSENTEIL_OBEN	14	1	Blech / plate 100	72.5	1178.0			S235JRG2		51.14	51.1
AS_T15_STOPFBUCHSENTEIL_UNTEN	15	1	Blech / plate 100	102.5	1178.0			S235JRG2		78.22	78.2
AS_T16_FUEHRUNGSSCHIENE_SEITE	16	2	Flachstahl / flat bar 60 x 30	1090.0				S235JRG2		14.86	29.7
AS_T17_FUEHRUNGSSCHIENE_VORNE	17	2	Flachstahl / flat bar 60 x 30	1150.0				S235JRG2		15.70	31.4
AS_T18_AUFLAGER_ABDECKBL	18	2	Flachstahl / flat bar 100 x 10	1150.0				S235JRG2		8.94	17.9
AS_T19_AUFL_ABDECKBL_VORNE	19	2	Flachstahl / flat bar 30 x 6	1150.0				S235JRG2		1.60	3.2
AS_T20_BLECH_10X25X14	20	2	Blech / plate 10	14.0	25.0			S235JRG2		0.03	0.1
AS_T21_BLECH_8X100X120	21	2	Blech 8 bearb. auf / plate 8 machined to 5.5	100.0	120.0			S235JRG2		0.25	0.5
AS_T22_HALTER_FLAGER	22	1	Flachstahl / flat bar 80 x 20	1150.0				S235JRG2		14.41	14.4
AS_T23_KOPFBL_75X200	23	2	Blech / plate 10	75.0	200.0			S235JRG2		1.13	2.3
AS_T24_RD22X7	24	10	Rundstahl / round steel d = 22		7.0			S235JRG2		0.01	0.1
AS_T25_RD30X10	25	12	Rundstahl / round steel d = 30		10.0			S235JRG2		0.04	0.5
AS_T31_HOHLPROFIL_200X120X10	31	1	Hohlprofil / hollow profile 200 x 120 x 10	1300.0			DIN EN 10210-2	S235JRG2		58.74	58.7
AS_T32_ROHR_76X5	32	1	Rohr / tube 76.1 x 5	130.0			DIN EN 10220	S255GT		1.14	1.1
AS_T33_FL_60X10	33	2	Flach / flat bar 60 x 10		1120.0			S235JRG2		5.23	10.5
AS_T34_BL20X215X330	34	1	Blech / plate 25	215.0	330.0			S235JRG2		8.77	8.8
AS_T35_FL_70X10X75	35	2	Flach / flat bar 70 x 10		75.0			S235JRG2		0.41	0.8
AS_T36_FL_70X10X175	36	2	Flach / flat bar 70 x 10		175.0			S235JRG2		0.96	1.9
AS_T41_ABDECKBL_HINTEN	41	2	Blech / plate 2	1300.0	987.0			US1203		20.08	40.2
AS_T42_ABDECKBL_VORN	42	2	Blech / plate 2	1300.0	455.0			US1203		9.23	18.5
AS_T51_SCHIEBERPLATTE	51	1	Blech / plate 25	1140.0	1545.0			1.4301		276.31	276.3
AS_T52_SPINDELHALTER	52	2	Flachstahl / flat bar 100 x 30		90.0			S235JRG2		1.66	3.3
AS_T53_SPINDELMUTTER	53	1	Spindelmutter / spindle nut TR 52 x 24 (P8)-LH					PAN-ALMBx130		2.11	2.1
AS_T54_DIN127_FEDERRING_A16	54	40	Federring / spring washer A16				DIN 127	F-St Feuerverz.		0.01	0.4
AS_T55_SKT_SCHR_M16X40	55	12	Sechskantschr. / hex. head screw M16x40		40.0		DIN EN ISO 4017	8.8 Feuerverz.		1.00	1.2
AS_T61_FLANSHLAGERSEHAUESE	61	1	Flanschlägergehäuse / two-bolt flanged					Fabr. INA	Typ PCJ30-N	1.29	1.3
AS_T62_SPINDEL_TR52X8	62	1	Rundstahl / round steel d = 60		1557.0			C45		24.74	24.7
AS_T63_DIN127_FEDERRING_A10	63	14	Federring / spring washer A 10				DIN 127	F-St Feuerverz.		0.00	0.0
AS_T64_SKT_SCHR_M10X45	64	2	Sechskantschr. / hex. head screw M10 x 45		45.0		DIN EN ISO 4017	8.8 Feuerverz.		0.04	0.1
AS_T65_SKT_MU_M10	65	2	Sechskantmutter / hex. nut M10				DIN EN ISO 4032	8 Feuerverz.		0.01	0.0
AS_T71_STOPFB_FLACH60X15	71	2	Flach / flat bar 60 x 15		1145.0			S235JRG2		8.06	16.1
AS_T72_STOPFB_FLACH45X15	72	2	Flach / flat bar 45 x 15		1145.0			S235JRG2		5.94	11.9
AS_T73_SKT_MU_M12_MIT_BUND	73	16	Skt-Mutter mit Bund / collar nut M12				DIN 6331	8 Feuerverz.		0.04	0.6
AS_T74_DIN938_STIFTSCHRUB_M12X70	74	16	Stiftschrb.M12x70, Gew.b muß 45mm sein!				ähnlich DIN 938	5.6 Feuerverz.		0.07	1.1
AS_T75_PACKUNG_LANG	75	8	Packung / gland packing 20 x 20		1156			Fabr. Kempchen	K81	0.69	5.5
AS_T76_PACKUNG_KURZ	76	8	Packung / gland packing 20 x 20		1156			Fabr. Kempchen	K81	0.02	0.2
AS_T77_STOPFB_FLACH55X15	77	2	Flach / flat bar 55 x 15		63.0			S235JRG2		0.36	0.7
AS_T78_DIN912_ZSCHRB_M8X20	78	8	Zylinderschr. / cylinder head screw M8 x 20		20.0		DIN EN ISO 4782	10.9 Feuerverz.		0.02	0.1
AS_T81_KURVENROLLE_KR30	81	10	Kurvenrolle inkl.Nippel / cam roller incl. nipple				KR30 PPA	Fabr. SKF		0.10	1.0
AS_T82_SKT_MU_M12X1_5_FLACH	82	10	Flache Skt-Mutter / flat hex. nut M12 x 1,5				DIN EN ISO 8675	8.8 Feuerverz.		0.01	0.1
AS_T91_AUFLAGELEISTEN	91	2	Flachstahl / flat bar 30 x 20		1140.0			S235JRG2		4.92	9.8
AS_T92_INCONELBLECH_SEITE	92	2	Inconell 625 - Blech / plate 0.3	80.0	1131.6			2.4856		0.20	0.4
AS_T93_INCONELBLECH_VORNE	93	2	Inconell 625 - Blech / plate 0.3	80.0	1131.6			2.4856		0.20	0.4
AS_T94_INCONELBLECH_HINTEN	94	1	Inconell 625 - Blech / plate 0.3	80.0	1089.0			2.4856		0.20	0.2
AS_T95_KLEMMLEISTE_SEITE	95	2	Flachstahl / flat bar 50 x 25		1088.0			S235JRG2		9.02	18.1
AS_T96_KLEMMLEISTE_VORNE	96	2	Flachstahl / flat bar 50 x 25		1088.0			S235JRG2		9.02	18.1
AS_T97_STOPFDECKELDICHTUNG	97	2	Dichtung / sealring 3 x	100.0	220.0			Fabr.Kempchen	Rivatherm-Super	0.01	0.0
AS_T98_STOPFBUCHESENDECKEL	98	2	Flachstahl / flat bar 100 x 10		220.0			S235JRG2		1.68	3.4
AS_T99_DIN127_FEDERRING_A12	99	22	Federring / spring washer A12				DIN 127	F-St Feuerverz.		0.00	0.1
AS_T100_SKT_SCHR_M12X40	100	12	Skt.-Schraube / hex. head screw M12 x 40		40.0		DIN EN ISO 4017	8.8 Feuerverz.		0.06	0.7
AS_T101_SKT_MU_M16	101	4	Skt.-Mutter / hex nut M16				DIN EN ISO 4032	8 Feuerverz.		0.04	0.1
AS_T102_SKT_SCHR_M16X35	102	28	Skt.-Schraube / hex. head screw M16 x 35		35.0		DIN EN ISO 4017	8.8 Feuerverz.		0.09	2.6
AS_T103_DISTANZSCHEIBE	103	1	Blech / plate 10...Da.48/DL25	44.0	44.0			S235JRG2		0.11	0.1
AS_T104_DINI_KEGELSTIFT_8X40	104	2	Kegelstift / taper pin - A - 8 x 40				DIN EN 22339	St Feuerverz.		0.02	0.0
AS_T105_PASSFEDER_10X8X45	105	1	Passfeder / fitted key - A - 10 x 8 x 45				DIN 6885	C45		0.03	0.0
AS_T106_SKT_SCHR_M10X25	106	12	Skt.-Schraube / hex. screw M10 x 25		25.0		DIN EN ISO 4017	8.8 Feuerverz.		0.03	0.3
AS_T107_DIN936_KRONENMUTTER_M24	107	1	Kronenmutter / hex. slotted nut M24				DIN 935	5 Feuerverz.		0.14	0.1
AS_T108_SPLINT_5X50	108	1	Splint / split-pin 5 x 50				DIN EN ISO1234	St Feuerverz.		0.01	0.0
AS_T109_DIN127_FEDERRING_A12	109	56	Federring / spring washer A12				DIN 127	F-St Feuerverz.		0.00	0.2
AS_T110_SKT_SCHR_M12X35	110	44	Skt.-Schraube / hex. head screw M12 x 35		35.0		DIN EN ISO 4017	8.8 Feuerverz.		0.05	2.1
AS_T111_DIN34_U_SCHEIBE_14	111	44	U-Scheibe / washer 14				DIN 434	St Feuerverz.		0.02	0.8
AS_T112_SKT_MU_M12	112	44	Skt.-Mutter / hex nut M12				DIN EN ISO 4032	8 Feuerverz.		0.02	1.0
AS_T113_DICHTSCHRNR	113	1	Dichtschnur / sealingcord e=8	22000.0			Typ SR551	AL/MS umkloppelt		1.10	1.1
AS_T114_SKT_SCHR_M12X16	114	56	Skt.-Schraube / hex. screw M12 x 16		16.0		DIN EN ISO 4017	8.8 Feuerverz.		0.03	1.7
AS_ABTRIEBSBUCHSE	115	1	Anbauteil Stellantrieb / attachment actuator						MHPSE supply	1.36	1.4
AS_T200_FABRIKSCHILD_HPES448	200	1	Maschinen-Fabrik Schild / nameplate				HPES 448	AC-AMG5(Si)	MHPSE supply	0.09	0.1
AS_T201_HALTEBL_F_TYPENSCHILD	201	1	Blech / plate 3	150.0	200.0			S235JRG2		0.70	0.7
AS_T202_DIN660_HRD_NIET_3X10	202	4	Niet / rivet - 5 x 10				DIN 660	AL99.5		0.00	0.0
AS_ANBAU_ANTR_TYP_D250MOD_EMG289	289	1	Anbauteil Stellantrieb / attachment actuator				type AB18	div.	MHPSE supply	7.82	7.8
AS_KON_BL	300	2	Blech / plate 5	50.0	101.8		DIN EN 10029	S235JRG2		0.13	0.3
NAHRUNGSMITTELEINITIATOR	301	2	Naehrungsschalter / proximity switch					div.	MHPSE supply	0.20	0.4
AS_KON_SCHR_ISO4017	302	4	Skt.-Schraube / hex. head screw M8 x 25		25.0		EN ISO 4017	8.8 Feuerverz.		0.02	0.1
AS_KON_SCH_ISO7089	303	4	U-Scheibe / washer 8,4				EN ISO 7089	St Feuerverz.		0.00	0.0
AS_KON_MU_ISO4032	304	4	Skt.-Mutter / hex nut M8				EN ISO 4032	8 Feuerverz.		0.01	0.0

Gesamtgewicht der BG 1013.6kg

Maße ohne Toleranzangaben nach ISO 2768-mK
 untoleranced dimensions acc. to ISO 2768-mK

Richtlinien, Vorschriften und DIN-Normen zur Fertigung entsprechend HPE-S 771
 Manufacturing guidelines, instructions and DIN Standards complying with HPE-S 771

Hierzu gehören folgende Zeichnungen:	Referenzzeichnungen:
shut-off gate valve 1150x1150	N-100170-M-006-IG04-00002
-assembly section-	
shut-off gate valve 1150x1150	N-100170-M-006-IG04-00003
-housing-	
shut-off gate valve 1150x1150	N-100170-M-006-IG04-00004
-component drawing-	

- Funktions- und Maßkontrolle / function and dimension check**
- 1 Spindel mit "Molykote 1151" einstreichen / spindle coated with "Molykote 1151"
 - 2 Kurvenrolle und Flanschlager Kontrolle auf Fettfüllung / curved roller and flange bearing check on grease filling
 - 3 Antrieb Kontrolle auf Oelfüllung / drive control oil filling
 - 4 Schieberplatte nicht gestrichen, nach Funktionsprobe eingefettet / gate plate not coated, after function run greased
 - 5 Maßkontrolle der Flansch und Hauptabmessungen / dimension check of the flange and main measures
 - 6 Probelauf / test run

AA	00	12/21/2017	first issue								
REV. NO.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROV.						
<p>PTOLEMAIS UNIT V 660 MW POWER PLANT CONTRACT DMKT - 11 09 5052</p> <p>PUBLIC POWER CORPORATION S.A.</p> <p>TERNA S.A. 85 MESOGEION AVE., 115 26 ATHENS, GREECE Tel.: +30 210 69 68 000, Fax: +30 210 69 68 099 e-mail: terna@terna.gr</p> <p>CONTRACTOR</p> <p>SUBCONTRACTOR: MITSUBISHI HITACHI POWER SYSTEMS EUROPE N-100170-M-006-IG04-00001-00</p> <p>TITLE: Shop drawing shut-off gate valve assembly</p> <p>SCALE: 1:5 DRAWING NO. 4311-M-006-IG04-00001 SHEET 01 of 03 REV. NO. 00</p> <p>THIS DRAWING SHALL NOT BE DUPLICATED, TRANSFERRED NOR REVISED WITHOUT OUR PRIOR WRITTEN APPROVAL. IT SHALL NOT BE MADE AVAILABLE TO THIRD PARTIES ANY AND ALL RIGHTS IN ACCORDANCE WITH THE GERMAN LAW ON COPYRIGHT (URRG) AND GERMAN ACT AGAINST UNFAIR PRACTICES (UWG) SHALL REMAIN UNAFFECTED.</p>											

