



NOTE:
APPLY TORQUE TO BOLTS AS FORESEEN BY STANDARD CODES AND MARK THE POSITION AFTER TIGHTENING

Item	Code	Description	Qty	Material	Mass
15	ISO 7089 - 60	Plain washers	12	200HV Galv.	0,487 kg
14	ISO 7089 - 16	Plain washers	264	200HV Galv.	0,012 kg
13	ISO 4032 - M60	Hexagon nuts	12	Cl. 8 Galv.	1,704 kg
12	ISO 4032 - M16	Hexagon nuts	96	Cl. 8 Galv.	0,039 kg
11	ISO 4017 - M16 x 45	Hexagon head screws	72	Cl. 8,8 Galv.	0,108 kg
10	ISO 4014 - M16 x 80	Hexagon head bolt	96	Cl. 8 Galv.	0,162 kg
9	7122-000-09-00	Counterweights Pin1	8	Welded construction steel S355J0 EN10027	16,985 kg
8	7122-000-08-00	Counterweights Pin	4	Welded construction steel S355J0 EN10027	13,434 kg
7	7122-000-07-00	Counterweight Mass 2	2	Construction steel S355J0 EN10027	241,811 kg
6	7122-000-06-00	Counterweight Mass 1	4	Construction steel S355J0 EN10027	665,858 kg
5	7122-000-05-00	Counterweight pipe 1	2	Construction steel S355J0 EN10027	84,083 kg
4	7122-000-04-00	Counterweight pipe 2	2	Construction steel S355J0 EN10027	59,468 kg
3	7122-000-03-00	Counterweight pipe 3	2	Construction steel S355J0 EN10027	103,431 kg
2	7122-000-02-00	Counterweight Mass R.	1	Construction steel S355J0 EN10027	778,737 kg
1	7122-000-01-00	Counterweight Mass L.	1	Construction steel S355J0 EN10027	778,737 kg

		EIE GROUP via Torino 151A - Mestre Venezia - 30172 - ITALY tel. +39 041 5317906 - www.eie.it			
ASTRI mini-array - CTA Small Size Telescope prototypes		Comessa/Job no.: G0113			
Material:	Surface:	Tolerances according to: ISO 2768-1-m ISO 2768-2-k	Roughness:	Naming: Electro Mechanics Optical Support Structure Counterweights Assembly	
Status:	Mass: 5442,27 kg	Date: 04/05/2018	Scale: 1:10	Drawing N. 7122-000-00-00	
Designed: 04/05/2018	Checked: 10/05/2018	Approved: 11/05/2018	Name: NAN	Author: ABU	Scale: GPM
Drawing size: A1			Sheet: 1/1		
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Filename: Counterweights iam					