



Total weight of ASC13 inner thermal bar assembly:

- 2x P24 Thermal bar assy: 226 gr
- 1x P3 Thermal bar assy: 109 gr
- 2x P24 thermal bridge: 94 gr
- 8x Flex connector: 54 gr
- 24x fasteners: 45 gr

Total: 528 gr per array

13 kg for all the inner thermal bar assemblies

Fastener #	To be applied torque (Ncm)	Locking mechanism
#03 (M3)	50 Ncm	Vibratile
#05 (M3)	50 Ncm	Self Locking
#06 (M3)	80 Ncm	Vibratile
#07 (M4)	120 Ncm	Vibratile

11	4	Evaporator tube	CRES316L	Ø3mm x 0.2 mm
10		Deleted		
09		Deleted		
08		Deleted		
07	6	M4 bolt	CRES316	M4x20
06	6	M3 bolt	CRES316	M3x16
05	4	Thermal flex connector assy		ASD14
04		Deleted		
03	2	P234 Thermal bridge assy		ASM05
02	1	P3 Thermal bar assy		AMS11144A2
01	2	P24 Thermal bar assy		AMS11145A2
	24	P234 Thermal bar assy		ASC13

PART NO.	REV.	TITLE	MATERIAL	SIZE/NOTE	I.D. NO./NORM

Project: AMS-Silicon Tracker	
Title: Inner thermal bar array	
Scale: 1:2	Drawn: B. Verloot
Date: 3-10-2000	Dim. in mm

NIKHEF	
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http://www.nikhef.nl/pub/departments/trackers/trackers/asc13c-eps