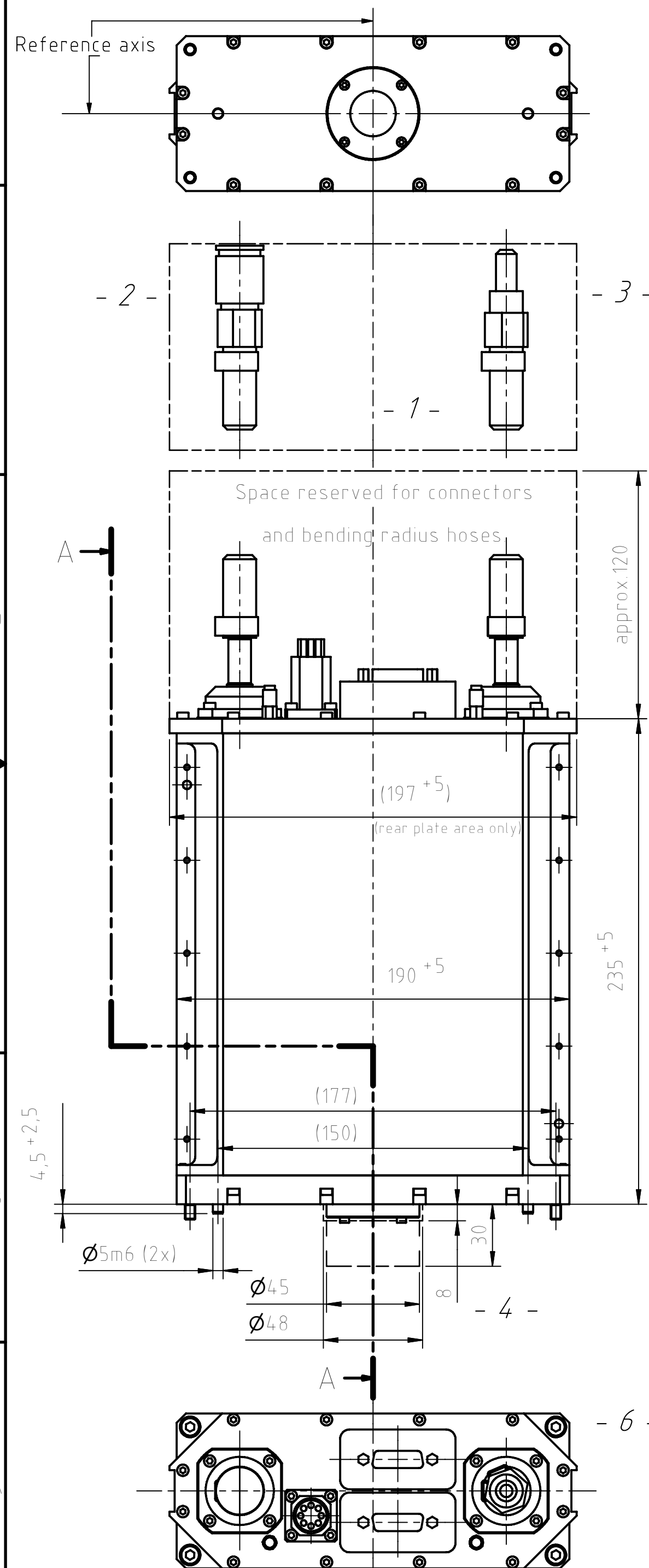
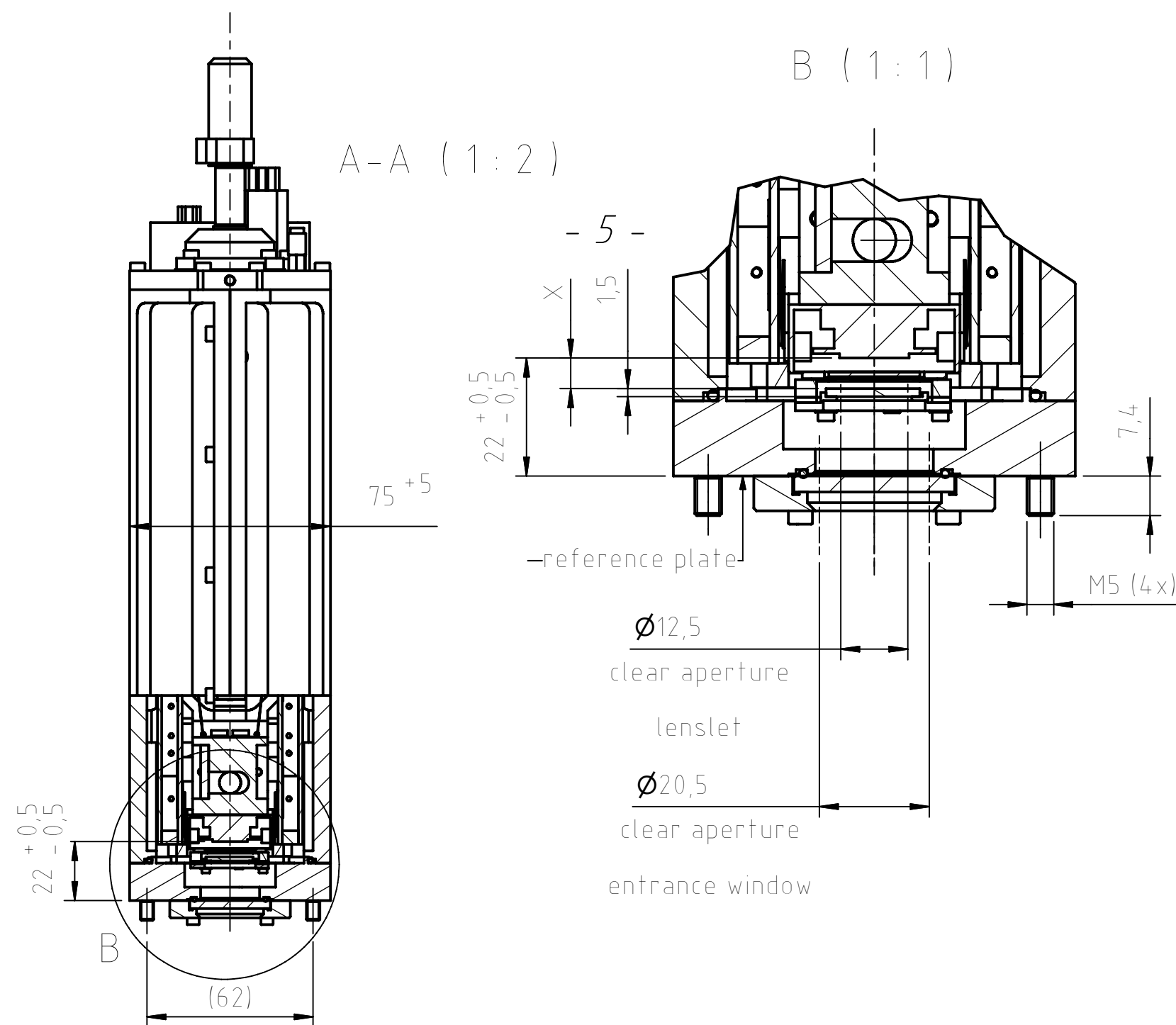
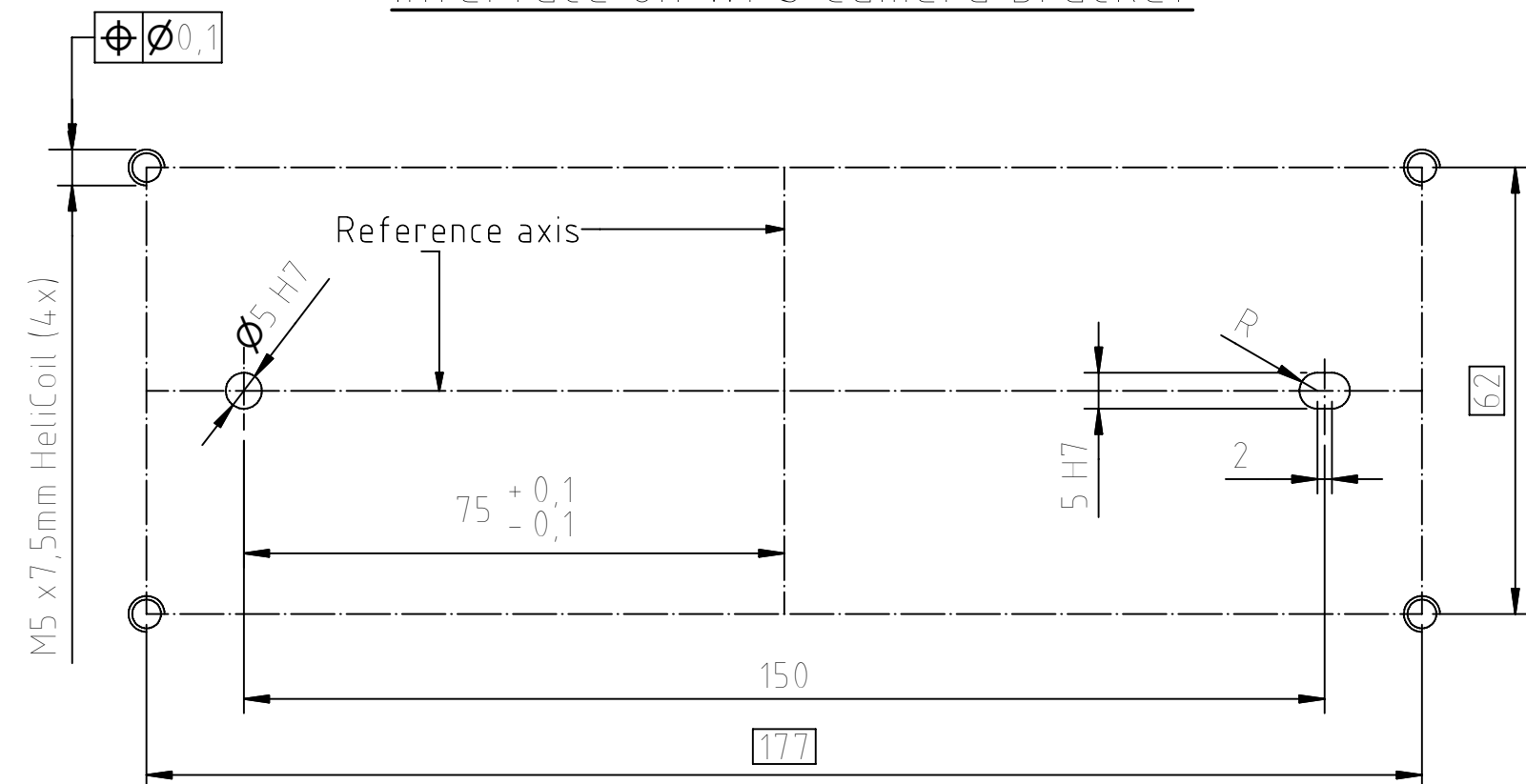


WFS Camera Head space requirements



Interface on WFS Camera bracket



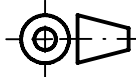
Tolerances:

- parallelity lenslet / CCD ±1,2°
- distance lenslet / CCD ± 0,1mm
- parallelity reference plate / lenslet ±3arcmin

Attention:

- 1 -
space for connectors defined by cooling distribution design
hose -, cable length defined by application (customised)
- 2 -
cooling fluid in (connector type Rectus serie 25KB TF09 RVX)
- 3 -
cooling fluid return (connector type Rectus serie 25SB TF09 RVX)
- 4 -
space reserved for entrance window and objective
- 5 -
different WFS Camera Heads are feasible (see table)
- 6 -
observe necessary access to screws for WFS Camera Head installation

GRAAL LGS WFS	GRAAL MCM WFS	GRAAL TT-NGS WFS	GALACSI LGS WFS	GALACSI TT-NGS WFS	SPHERE	Remarks
4,79mm	4,79mm	no lenslet	4,79mm	no lenslet	TBD	Lenslet distance X to CCD surface
1,5mm	1,5mm	1,5mm	1,5mm	1,5mm	1,5mm	Lenslet substrate thickness
22+/-0,5 mm	22+/-0,5 mm	22+/-0,5 mm	22+/-0,5 mm	22+/-0,5 mm	22+/-0,5 mm	CCD surface reference plate distance
Entrance window	Entrance window	Objective	Entrance window	TBD	TBD	

Filename: VLT-ESO-14850-0-131000.idw					Part Revision Number : 2		
Material:	Surface:		Edges:		Roughness: Ra	Weight: (Kg.) 3.5 kg	
	VLT PROJECT	General Tolerances(mm)		Scale:	Project/Product Item: GRAAL		WP
		DIN ISO 2768 T1m/T2K		1:2			
			Date:	Name:	Description: LGS-WFS Camera Head Interface definition sheet 1 (applicable for all WFS Camera Head designs) assembly sheet 2		
	Drawn: 30.01.2007		rconzelm				
	Designed: 30.01.2007		rconzelm				
	Checked:						
	Status:						
			Drawing Number:				Sheet of Sheets 1 / 1
			VLT-DWG-ESO-14850-0-131000				
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