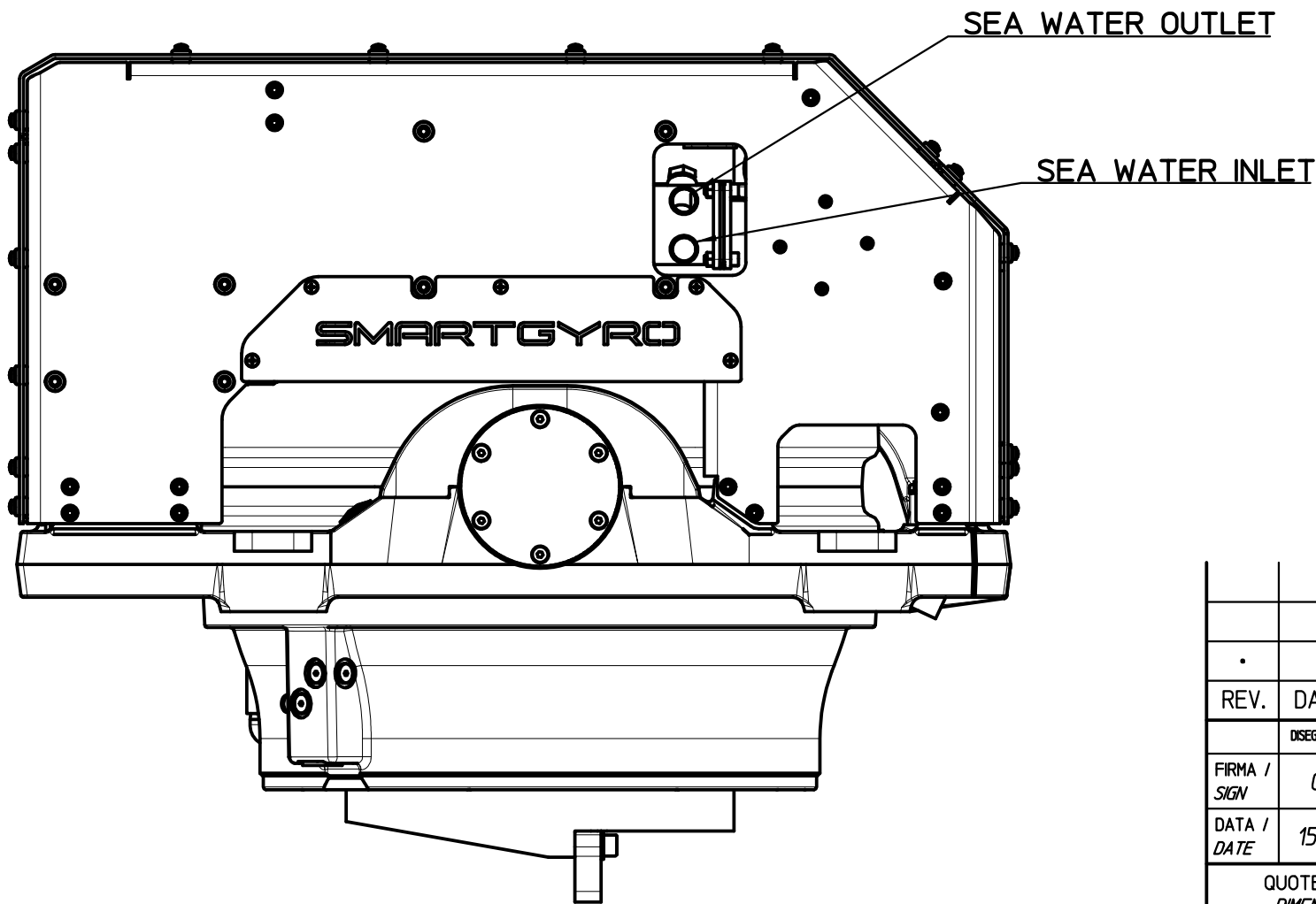
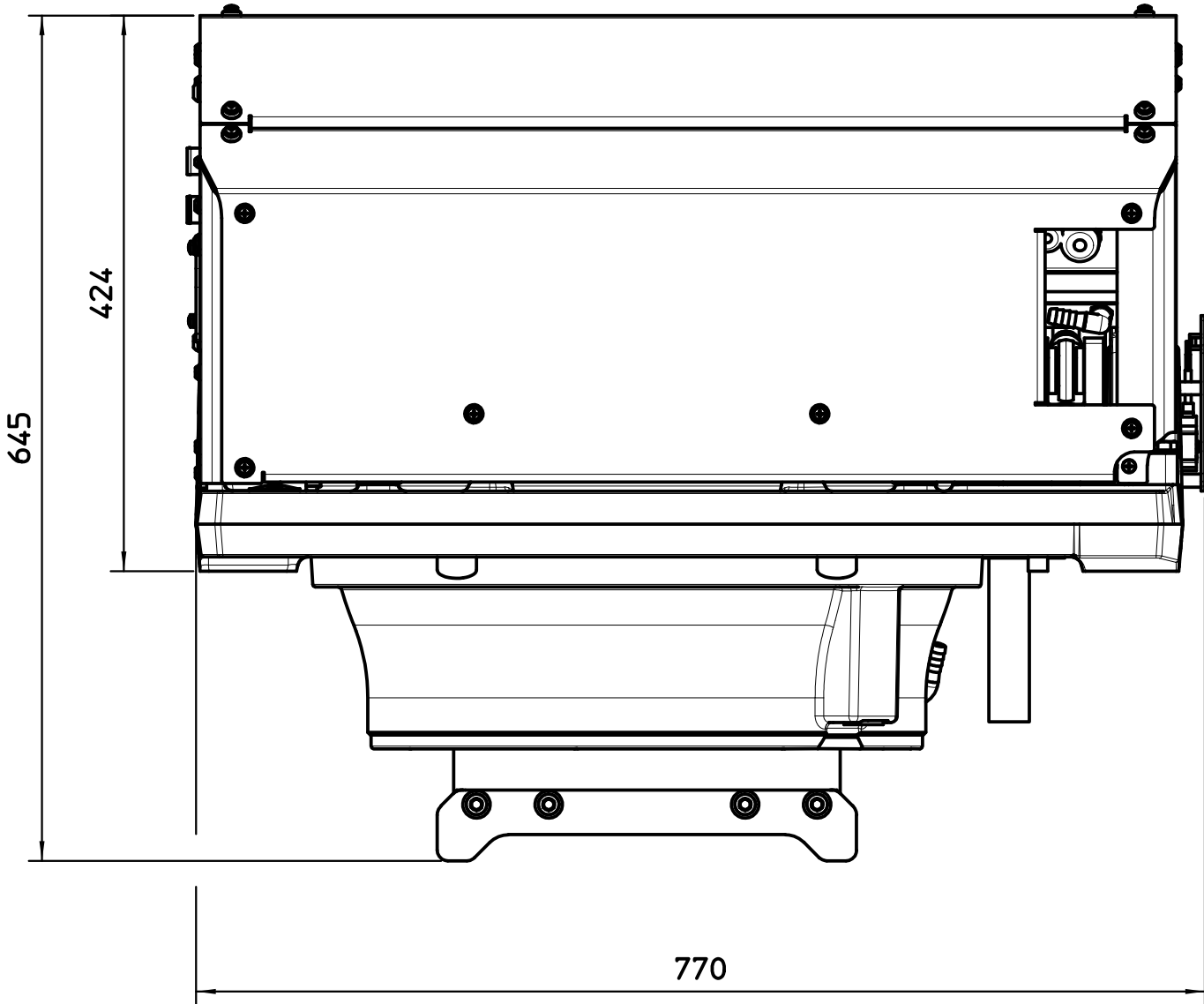
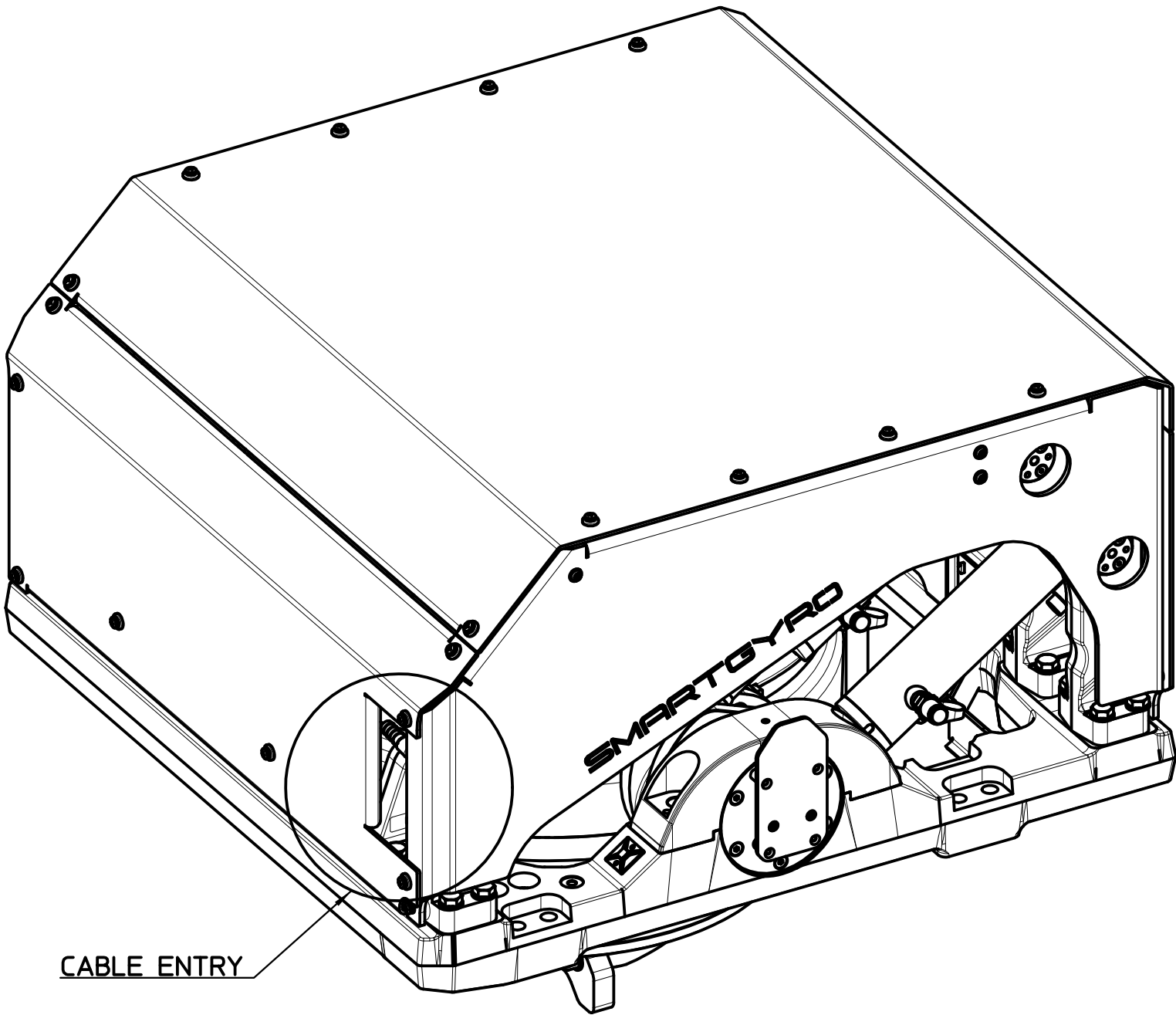
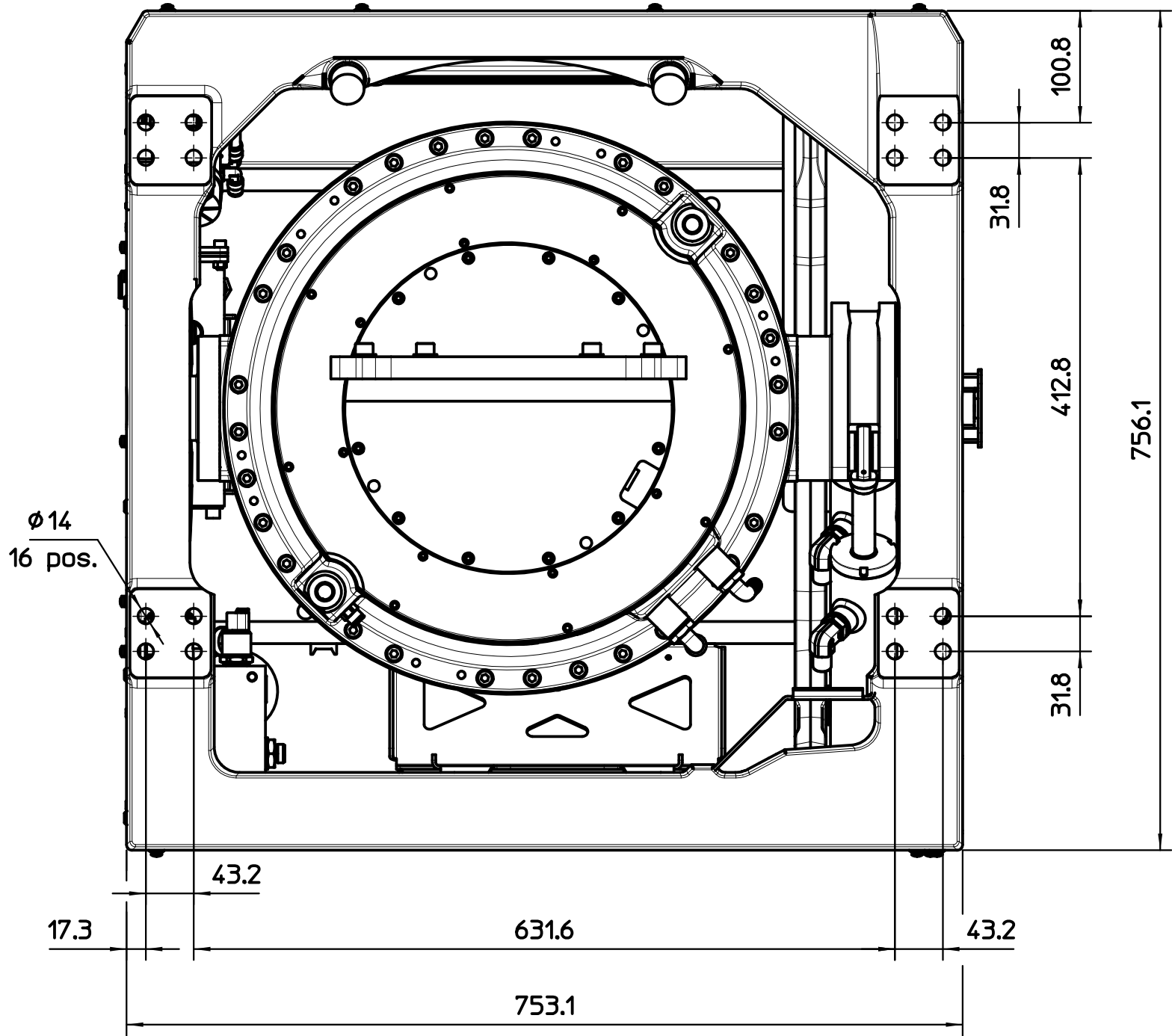
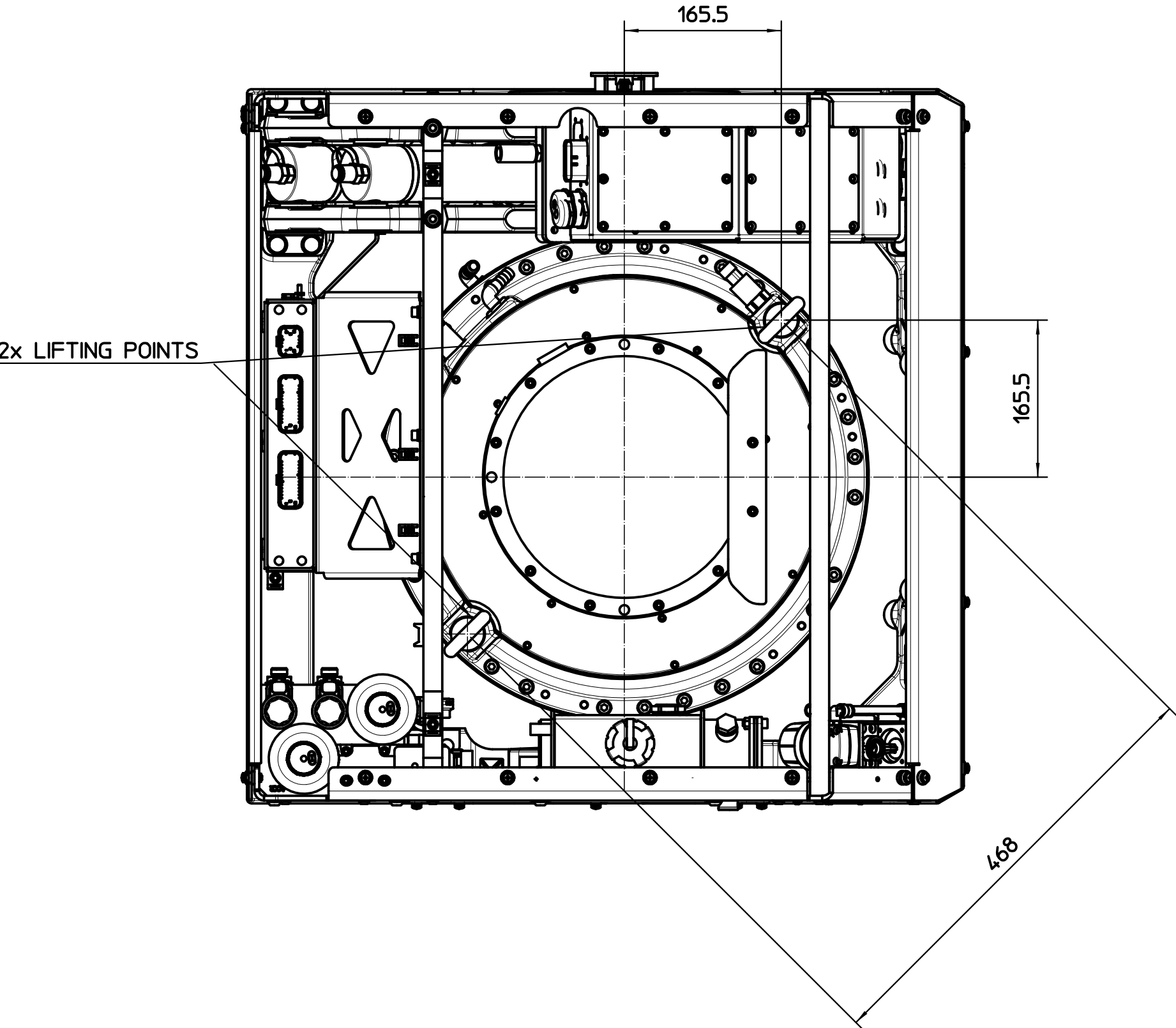


SG20 OUTLINE

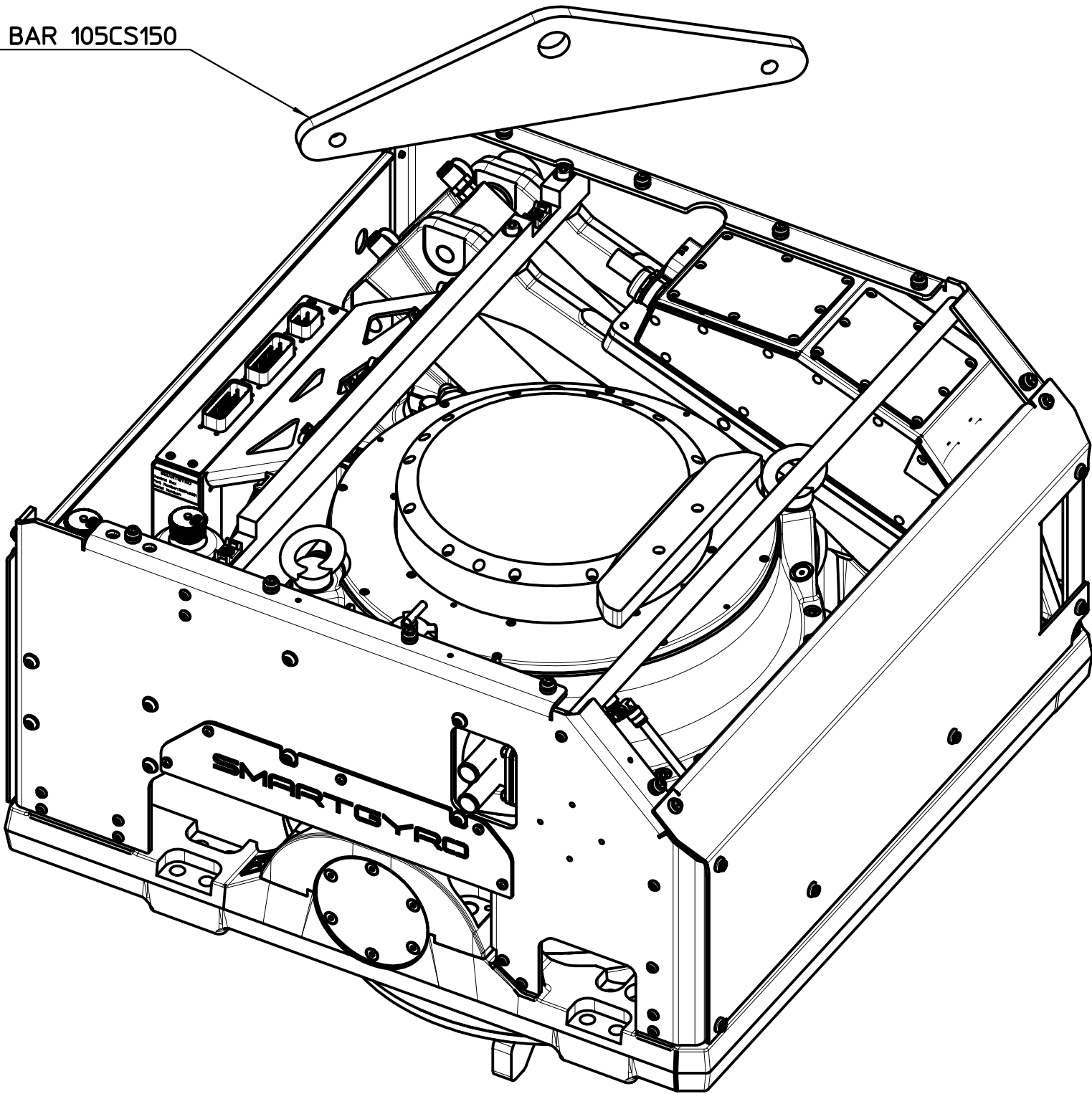


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		DISEGNATO / DRAWN BY	VERIFICATO / CHECKED BY	APPROVATO / APPROVED BY	MATERIALE / MATERIAL		
FIRMA / SIGN	GIANNINI	SALUTARI	.	.	TRATTAMENTO TERMICO / HEAT TREATMENT		
DATA / DATE	15/09/2021	15/09/2021	.	.	RIVESTIMENTO SUPERFICIALE / SURFACE TREATMENT		
QUOTE SENZA INDICAZIONE DI TOLLERANZA DIMENSIONS WITHOUT TOLERANCE INDICATIONS					DENOMINAZIONE / DESCRIPTION		
ISO 2768-mK					A2		
SMUSSI NON QUOTATI / NOT DIMENSIONED CHAMFER : 0.3x45° RAGGI NON QUOTATI / NOT DIMENSIONED RADII : 0.3					SG20 INSTALLATION DETAILS		
RIPRODUZIONE E/O DIFFUSIONE VIETATA REPRODUCTION AND/OR DISCLOSURE IS FORBIDDEN					DISEGNO NR. / DRAWING NR.	FOGLIO / SHEET	PESO / WEIGHT
					102ID400	1 / 5	SCALA / SCALE 1 : 5

SG20 GYRO LIFTING



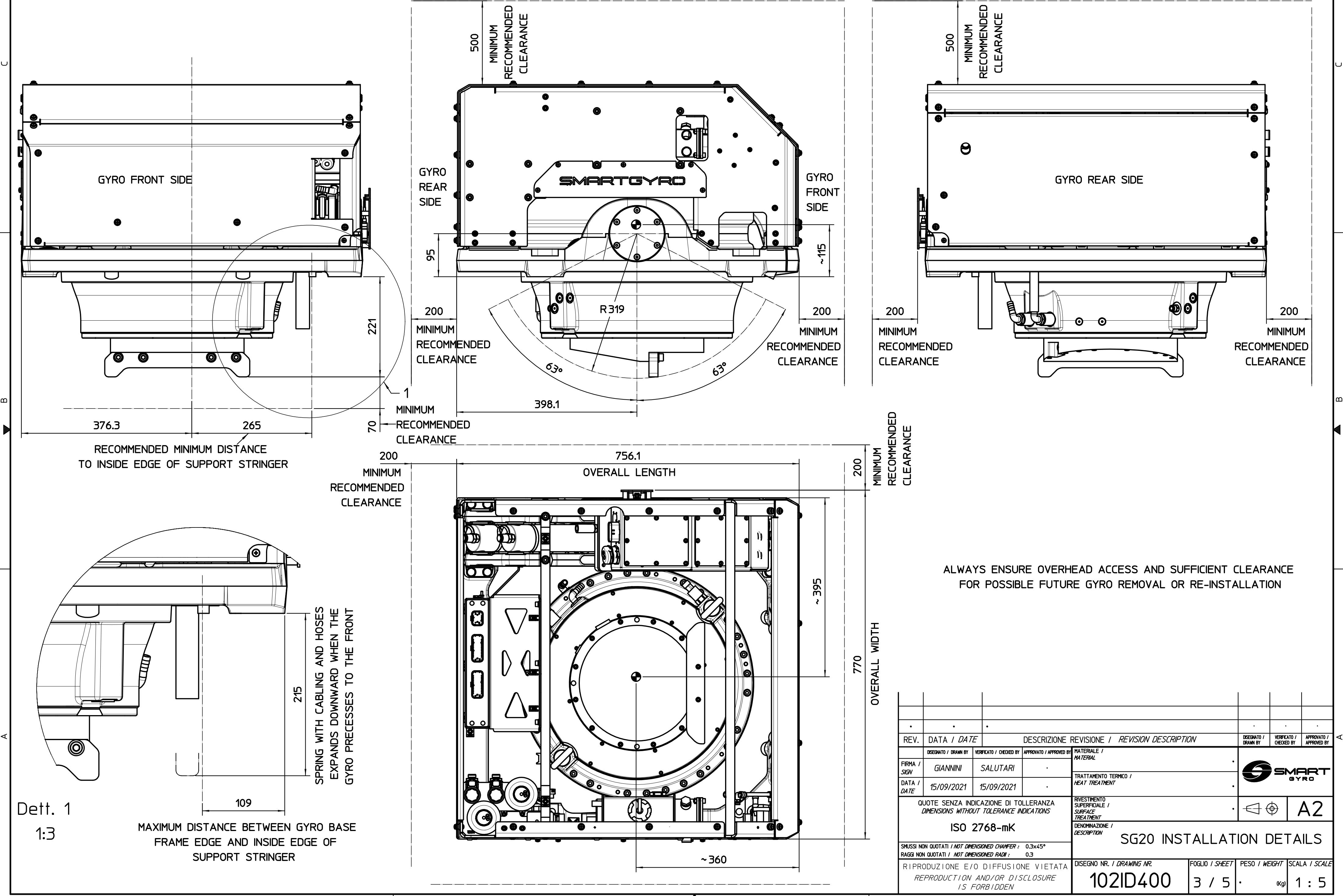
SPREADER BAR 105CS150



- NOTES:
- SG20 assembly weight: 495 Kg
 - For vertical lifting use spreader bar 105CS150 or similar tool.
 - Ensure to use the eyebolts for gyro lifting and that lifting straps/chains remain vertical during operation.
 - The eyebolts are placed at 180° on the same circumference.

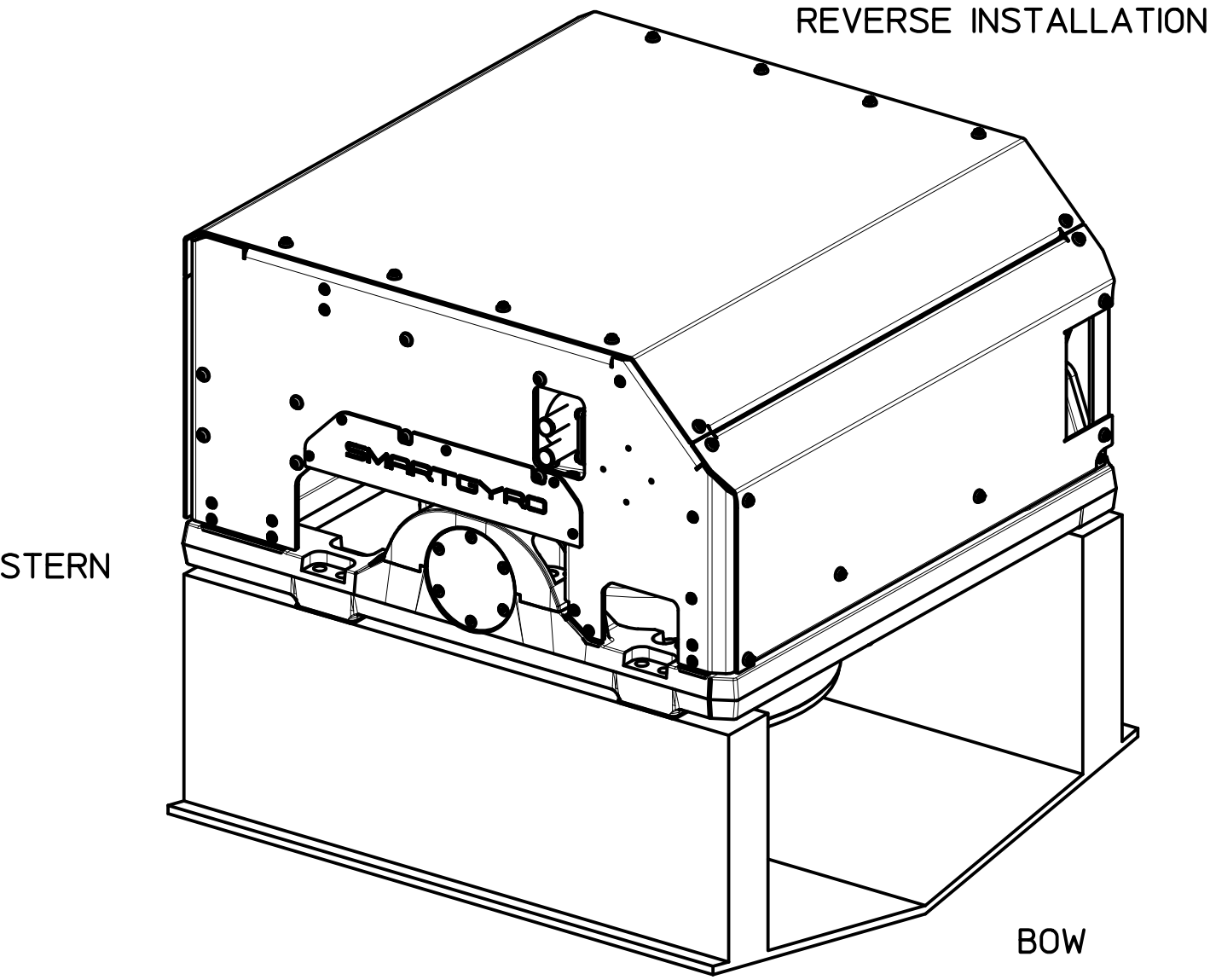
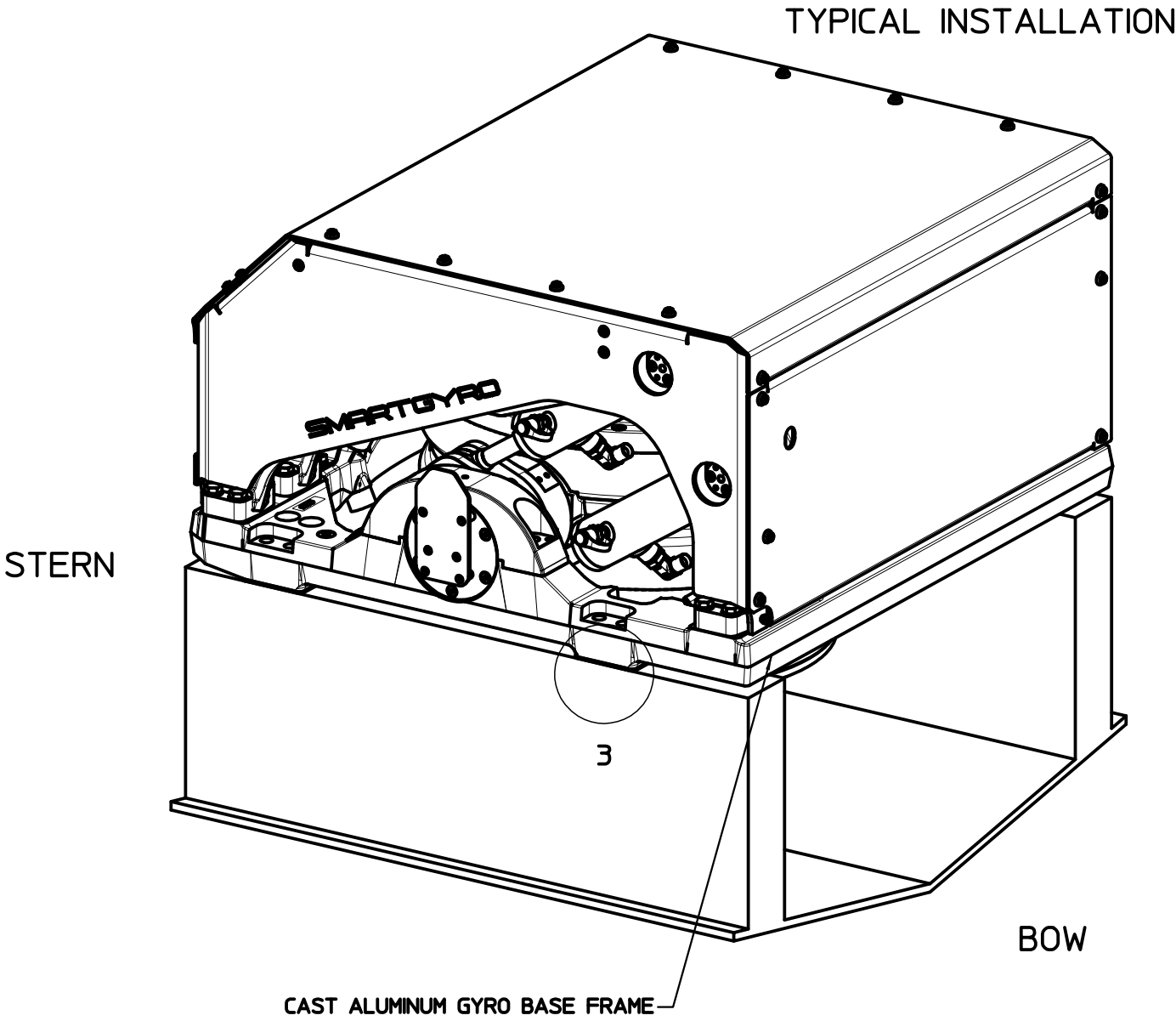
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	DISEGNATO / DRAWN BY	VERIFICATO / CHECKED BY	APPROVATO / APPROVED BY	MATERIALE / MATERIAL TRATTAMENTO TERMICO / HEAT TREATMENT RIVESTIMENTO SUPERFICIALE / SURFACE TREATMENT DENOMINAZIONE / DESCRIPTION SG20 INSTALLATION DETAILS				
FIRMA / SIGN	GIANNINI	SALUTARI	.					
DATA / DATE	15/09/2021	15/09/2021	.					
QUOTE SENZA INDICAZIONE DI TOLLERANZA DIMENSIONS WITHOUT TOLERANCE INDICATIONS				A2				
ISO 2768-mK								
SMUSSI NON QUOTATI / NOT DIMENSIONED CHAMFER : 0.3x45° RAGGI NON QUOTATI / NOT DIMENSIONED RADI : 0.3								
RIPRODUZIONE E/O DIFFUSIONE VIETATA REPRODUCTION AND/OR DISCLOSURE IS FORBIDDEN				DISEGNO NR. / DRAWING NR. FOGLIO / SHEET PESO / WEIGHT SCALA / SCALE				
				102ID400 2 / 5 (Kg) 1 : 5				

SG20 RECOMMENDED CLEARANCES

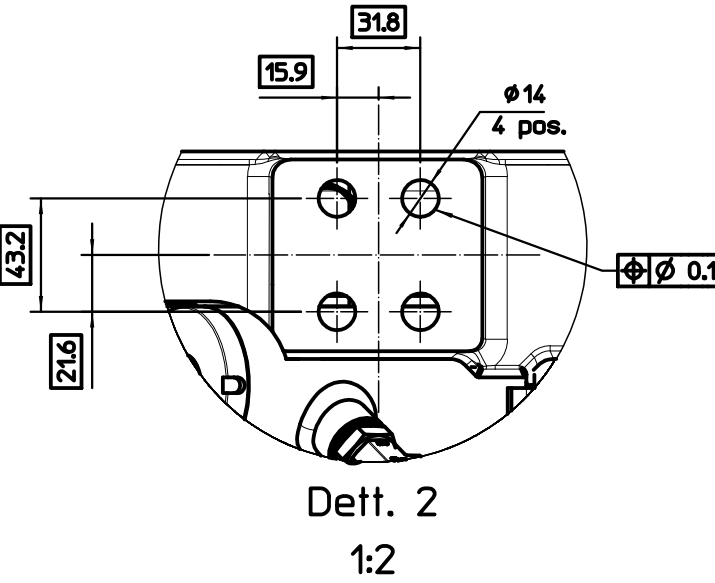
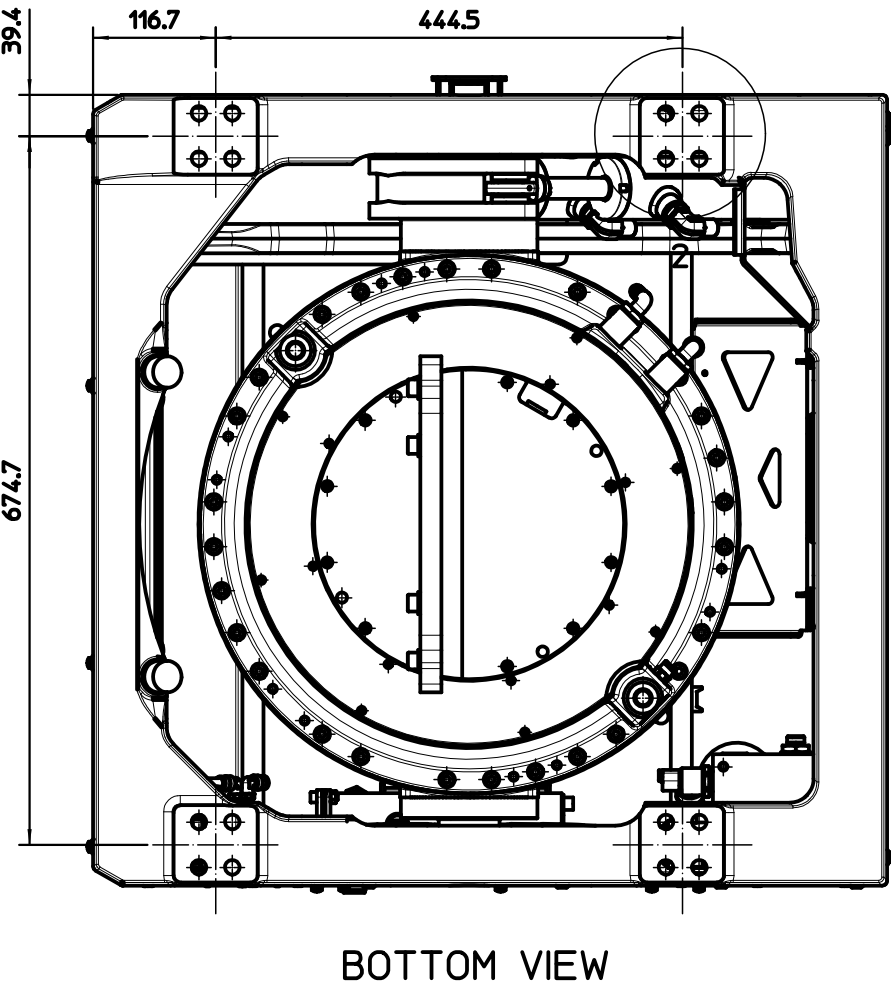


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FIRMA / SIGN	GIANNINI	SALUTARI		TRATTAMENTO TECNICO / HEAT TREATMENT	
DATA / DATE	15/09/2021	15/09/2021		RIVESTIMENTO SUPERFICIALE / SURFACE TREATMENT	
QUOTE SENZA INDICAZIONE DI TOLLERANZA DIMENSIONS WITHOUT TOLERANCE INDICATIONS				DENOMINAZIONE / DESCRIPTION	A2
ISO 2768-mK				SG20 INSTALLATION DETAILS	
SMUSSI NON QUOTATI / NOT DIMENSIONED CHAMFER : 0.3x45° RAGGI NON QUOTATI / NOT DIMENSIONED RADI : 0.3				DISEGNO NR. / DRAWING NR.	FOGLIO / SHEET
RIPRODUZIONE E/O DIFFUSIONE VIETATA REPRODUCTION AND/OR DISCLOSURE IS FORBIDDEN				102ID400	3 / 5
				PESO / WEIGHT	SCALA / SCALE
				(Kg)	1 : 5

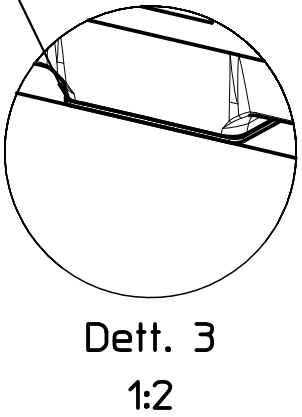
SG20 INSTALLATION MODES



EXTERNAL QUOTES REFERENCED
TO THE BASE FRAME



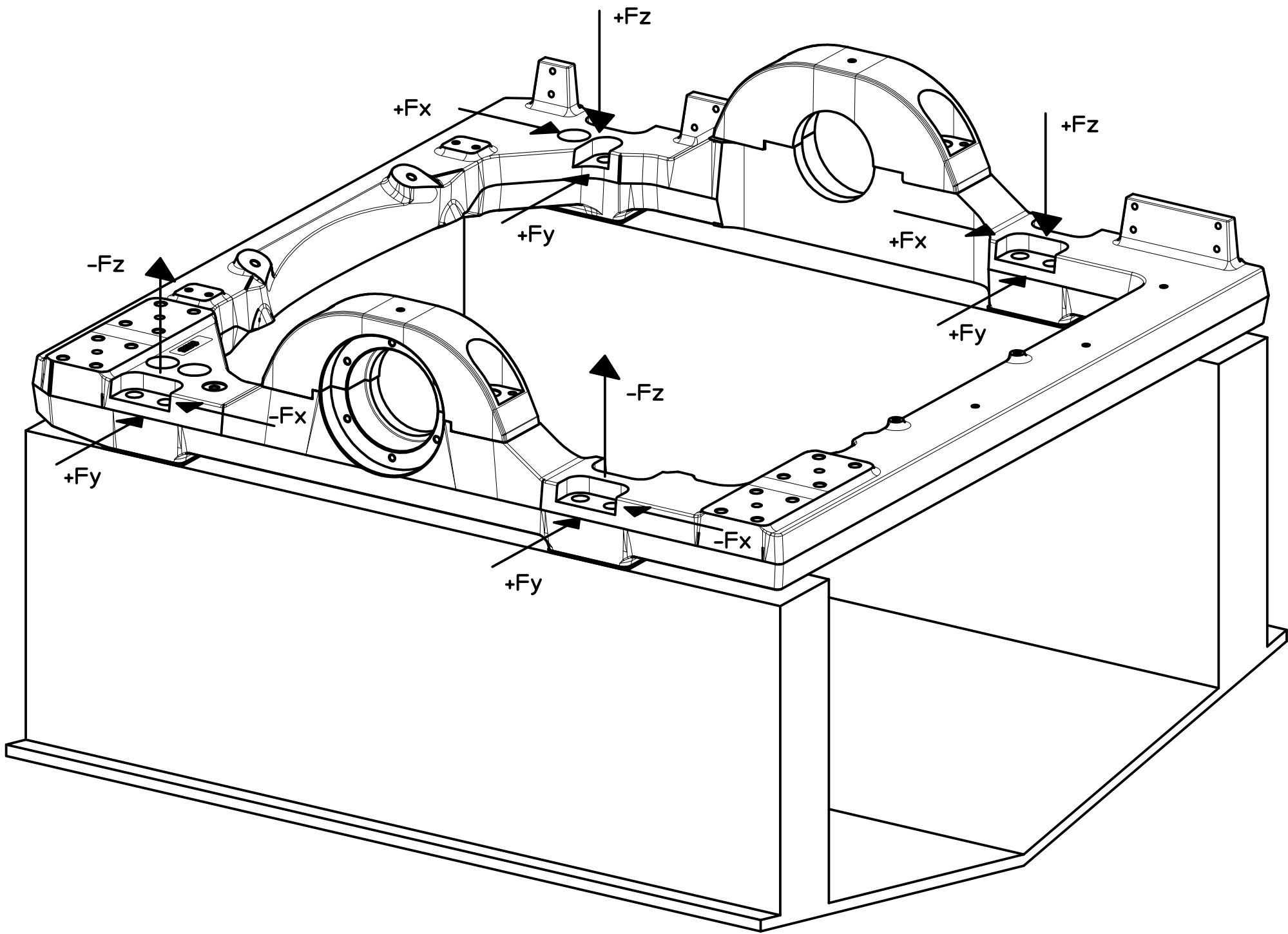
In case of dissimilar metals between gyro
base frame and supporting structure use
isolation gaskets 102CS083



- SG20 gyro may be mounted in both typical and reverse installation modes, depending on the best accessibility for maintenance and service.
- In case of reverse installation refer to installation manual MSG20 for software setting on control display.
- For the correct positioning of the mounting holes on the supporting structure use the installation kit 102AS099 and follow installation manual MSG20.
- For gyro fixing to the supporting structure use the provided bolts M12 and washers.
- Recommended torque for fixing bolts is 88 Nm

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DATA / DATE	15/09/2021	15/09/2021			
QUOTE SENZA INDICAZIONE DI TOLLERANZA DIMENSIONS WITHOUT TOLERANCE INDICATIONS			INVESTIMENTO SUPERFICIALE / SURFACE TREATMENT		
ISO 2768-mK			A1		
RIPRODUZIONE E/O DIFFUSIONE VIETATA REPRODUCTION AND/OR DISCLOSURE IS FORBIDDEN			SG20 INSTALLATION DETAILS		
DISEGNO NR. / DRAWING NR.			FOLIO / SHEET	PESO / WEIGHT	SCALA / SCALE
102ID400			4 / 5	kg	1 : 5

SG20 EXERTED LOADS ON HULL STRUCTURE



- The SG20 gyro generates moments and forces to the hull structure in roll, pitch and yaw directions.
- Their resulting combined effect can be expressed as forces applied at each of the four mounting points as detailed below.

Fx = 10200 N
Fy = 2000 N
Fz = 17000 N

- These forces should be considered as acting simultaneously, fully reversing and applied in a cyclic way that repeats endlessly.

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FIRMA / SIGN	GIANNINI	SALUTARI	.	TRATTAMENTO TERMICO / HEAT TREATMENT				
DATA / DATE	15/09/2021	15/09/2021	.					
QUOTE SENZA INDICAZIONE DI TOLLERANZA DIMENSIONS WITHOUT TOLERANCE INDICATIONS				RIVESTIMENTO SUPERFICIALE / SURFACE TREATMENT				A2
ISO 2768-mK				DENOMINAZIONE / DESCRIPTION				
SMUSSI NON QUOTATI / NOT DIMENSIONED CHAMFER : 0.3x45° RAGGI NON QUOTATI / NOT DIMENSIONED RADII : 0.3				SG20 INSTALLATION DETAILS				
RIPRODUZIONE E/O DIFFUSIONE VIETATA REPRODUCTION AND/OR DISCLOSURE IS FORBIDDEN				DISEGNO NR. / DRAWING NR.		FOGLIO / SHEET	PESO / WEIGHT	SCALA / SCALE
				102ID400		5 / 5	(Kg)	1 : 4