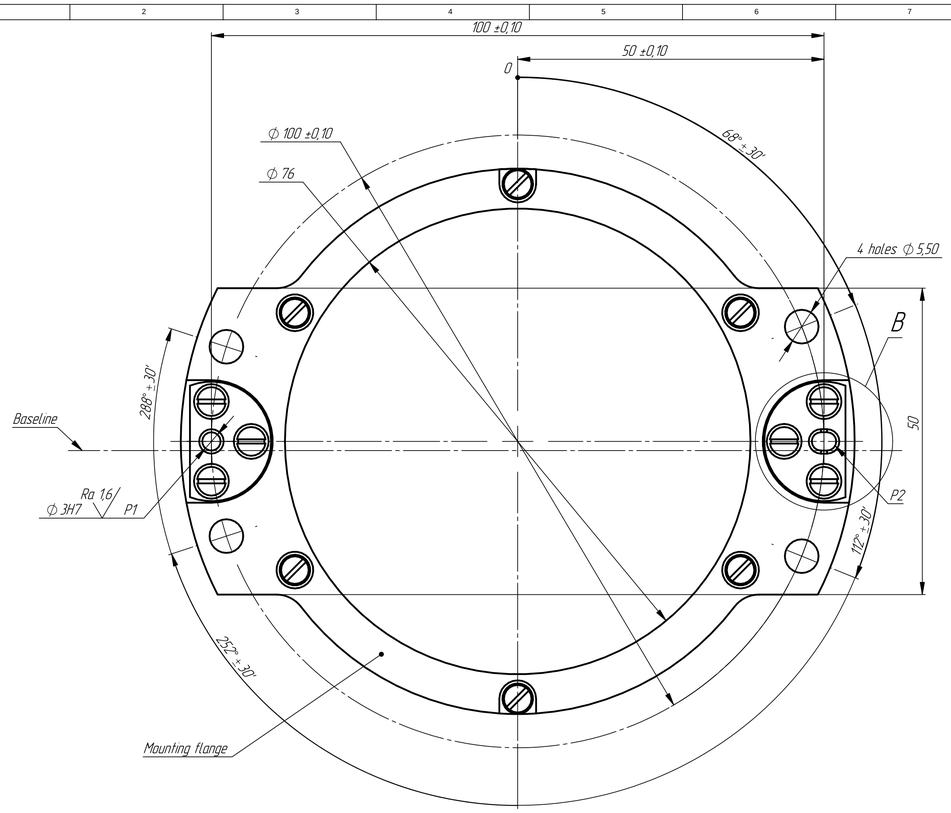
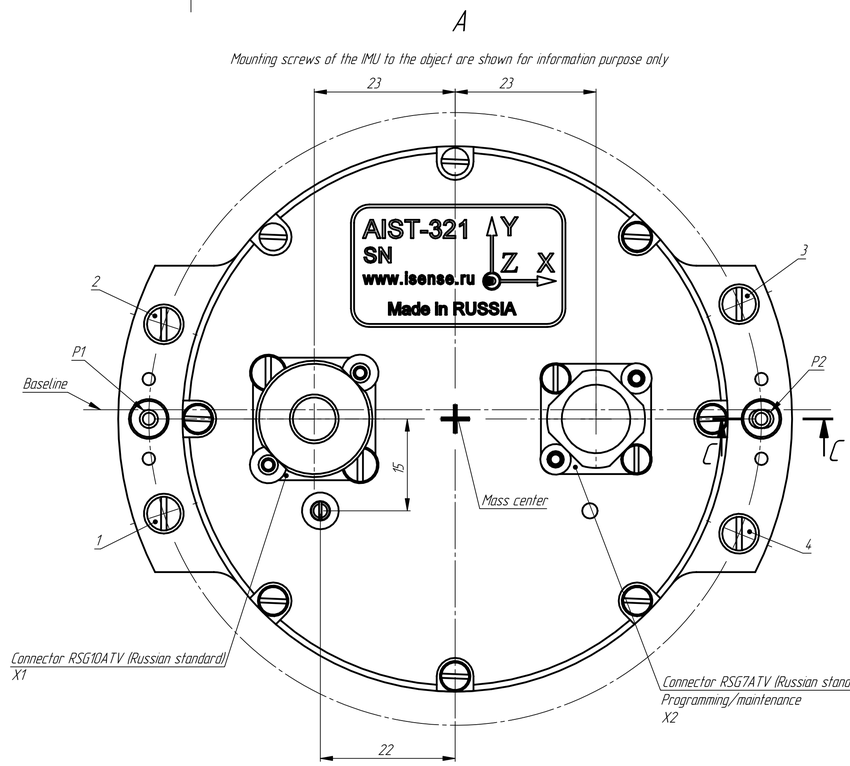
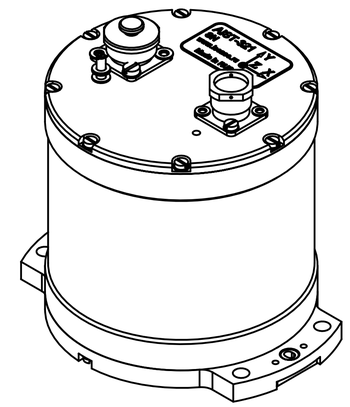
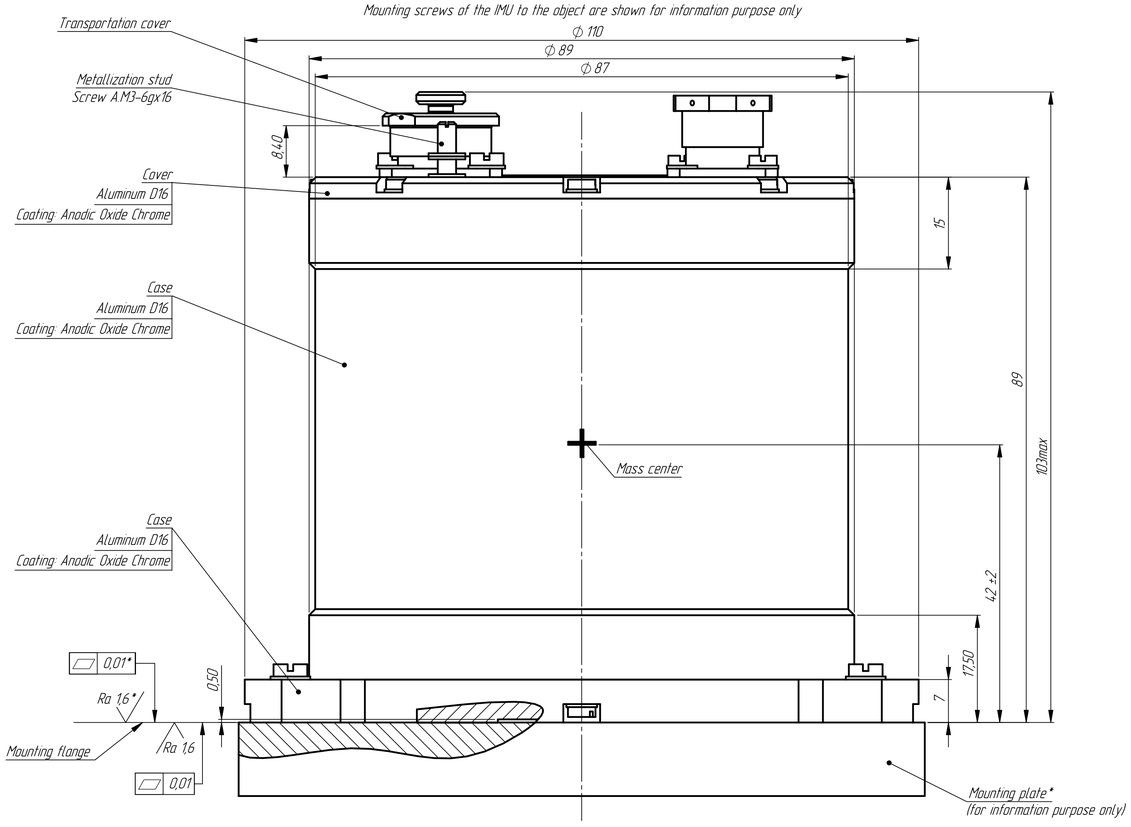
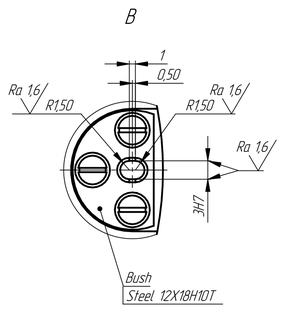


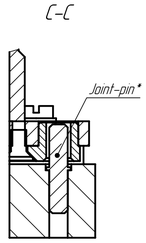


Scale 1:1









1. * Requirements are maintained by the user.
2. X,Y, Z are positive axes directions.
3. Coordinate system XYZ is formed by two planes, i.e. one is mounting plane and the other is the plane perpendicular to it that passes through inner surfaces of the slots P1 and P2 (along the baseline). Basing of the IMU on the object is done via joint-pins. It is possible to use non slipping-out joint-pins (look at B-B).
4. Mass center is shown for information purpose. Allowable center mass deviation from X and Y axes is less than 1 mm.
5. The IMU must be mounted onto the object via plate (aluminum D16 plate recommended) of dimension not less than 112x90x13 mm. In the middle of the plate it is allowed to have a hole of diameter less than 70 mm. The mounting plate must have good thermal contact with the IMU and should be able to take out not less than 5W of heat energy from the IMU if the mounting plate temperature is 55C. The contact area of the IMU and the mounting plate should be covered with a lubricant of thickness not less that 0.02...0.05 mm. The lubricant is not included in the IMU package.
6. Before the IMU installation, the IMU must be held at least for 2 hours at the object temperature or on the object but without mounting with screws and joint-pins. Mounting shall be done using screws M5x20 made of high quality steel. Screws tightening must be done in the following order: 1, 2, 3 and then 4, (shown on the drawing) in several steps. The first tightening force applied shall be within 0.8...1 Nm, followed by stepping up by 1 Nm. The final tightening shall be done by applying a force not less that 3...3.5 Nm. The mounting screws are not included in the IMU package.
7. Metallization of the IMU is done via metallization stud shown on the drawing.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:	FINISH:				DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING
						REVISION
	NAME	SIGNATURE	DATE			TITLE:
DRAWN						
CHK'D						
APPV'D						
MFG						
Q.A						
				MATERIAL:		DWG NO. A1
				WEIGHT:		SCALE: 2:1 SHEET 1 OF 1