

TECHNICAL SPECIFICATION

Supply of a telescopic lifting system for manipulator SK 187

In order to ensure automated monitoring of the reactor pressure vessel, it is necessary to supply a telescopic lifting system for manipulator SK 187. This system enables vertical motion of a head equipped with ultrasonic probes and a video camera for visual inspection in room 5ΓA301. The system motion will be performed through an existing connection with a drive shaft to the motor reduction drive.

1. Scope of supply

1.1. Characteristics of a telescopic lifting system:

1.1.1. The telescope shall be made exclusively of austenitic steel;

1.1.2. It shall consist of at least 5 sections;

1.1.3. Telescope stroke: no less than 4,800mm;

1.1.4. Upper and lower limit switches;

1.1.5. Maximum external dimensions:

- Diameter: 320mm;

- Height: 1,900mm.

1.1.6. The openings for installation of the SK187 manipulator telescope are shown in Diagram 1;

1.1.7. The connection between the manipulator reduction drive and telescope shall be at a height of 950 – 1050mm, measured from the lower part of the telescope.

1.1.8. The telescopic lifting system shall allow for continuous vertical scanning for a period of 4 days, with a load of 100kg.

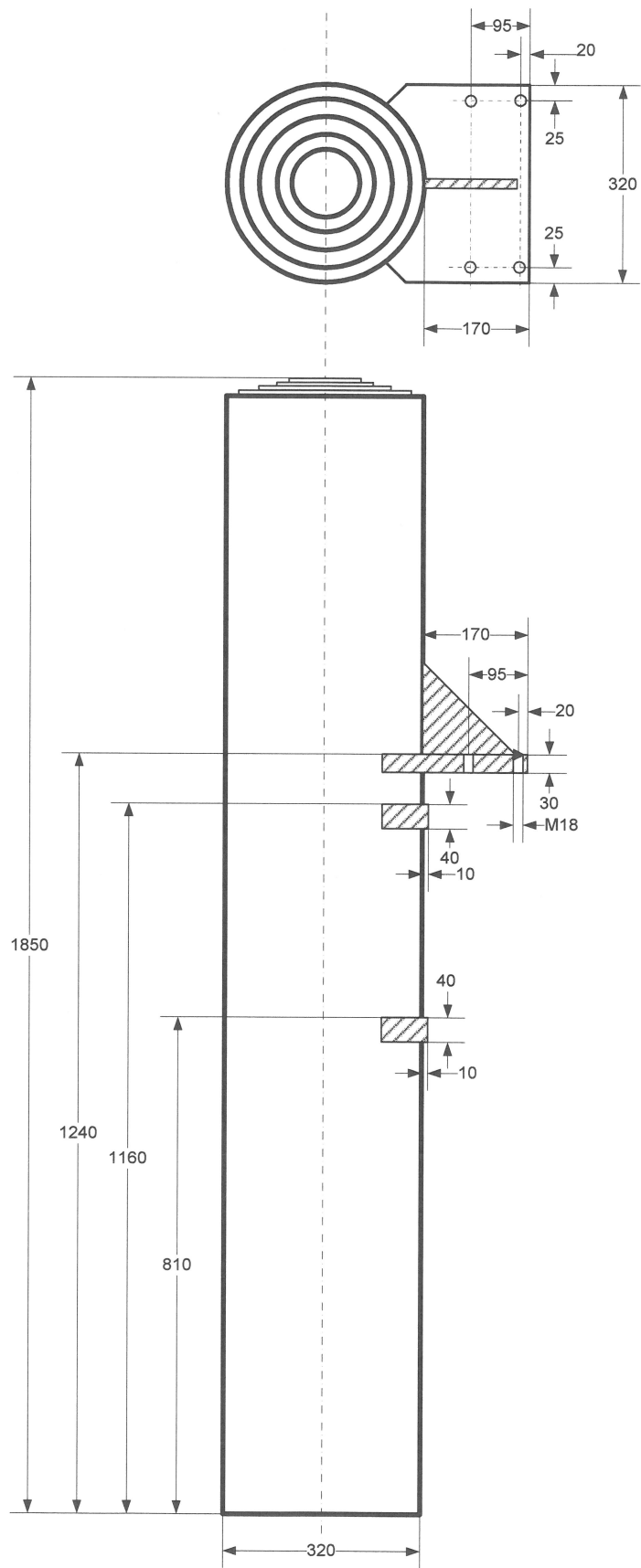


Схема 1.