

The invention relates to machine-building and can be used for decrease of stresses in parts of flange joints of pipelines being sealed with plastic metal gaskets and decrease of mass of those at preservation of tightness, for instance in aviation and rocket-space engineering. Tightening of flanges is carried out by technological fastening parts, one gives time for keeping during 16-25 hours, one installs regular fastening parts to openings placed between openings for technological ones, with tightening regular fixation parts, after that one unscrews technological ones. Screws or bolts that are screwed to threaded openings in flanges, or bolts (screws) and nuts can be used as fastening parts. The technical result is in that at nominal pressures of 0.5-1.5 KPa and internal diameters of pipelines of 20-400 mm use of the method makes it possible to decrease five times torque for tightening regular fastening parts compared to technological ones, ten and more times decrease leakage through split joint and two-three times decrease time required for tightening fastening parts. Substantial decrease of loads at operation makes it possible to decrease dimensions and mass of flanges and fastening parts.