

The invention relates to the field of machine-building and can be used for setting kneading and mixing elements in motion. A reducer for the kneading machines and mixers comprises a body, in which a driving shaft is arranged. It is provided with a gear immovably fixed thereon which contacts an intermediate gear arranged on a rotary shaft. Also the reducer comprises kneading or mixing elements and a rotary gear which contacts the intermediate gear through the rotary shaft. According to the invention, the reducer is supplemented with a gear bushing which is fixed on a driving shaft and contacts the rotary gear and the body in such a manner as to allow carrying out rotary movement of the body around the gear bushing. In doing so the number of teeth on the rotary gear is not divisible by the number of teeth on the gear bushing. The reducer comprises at least one additional rotary shaft with the rotary and intermediate gears arranged thereon. The invention provides excluding areas of congestion of a mixture being mixed, increasing the productivity, reliability, life of the reducer and reducing overall sizes thereof.