

The invention relates to the mechanical engineering, namely to the cyclic mixers and may be used for preparation of dry, semidry, mortar and concrete mixes.

The mixer contains a body with mixing members, made in the form of bars, radially arranged in staggered order onto a rotatable shaft. At the ends of one or several bars from each longitudinal row there are fixed scrapers in such an order and such an amount that their projections on any line parallel to the axis of the shaft are overlapped, the total length thereof is greater than the inner length of the body, the slope of the scrapers about the axis of the shaft is greater by 45° . The scrapers from the body right half are placed in left-side helical lines, and those from the left half – in right-side helical lines and each next scraper has a shift towards the center of the body about the previous one equal to the long pitch of the bars cross rows. Onto the shaft, next to the lateral walls of the body there are additionally fixed radial diametrically opposite scrapers inclined as the scrapers on the bars. The distance from the scrapers fixed onto the bars up to the body cylindrical surface and the distance from the radial scrapers up to the body lateral walls does not exceed 1...3 mm, and the distance between the ends of the bars without scrapers and the body cylindrical surface is greater than the maximal dimension of the mixing particles.

The result of the invention is increasing the clearing zone of the mixer body inner surface.

Claims: 1

Fig.: 3