

A lifter for fastening an end plate of a drum mill made in the form of a beam of an elastic material, preferably wear-resistant rubber, with metal reinforcement for installation of fasteners, a beam comprises a base with a straight section. The metal reinforcement comprises a profile of U-shaped cross section and a strip. The profile is made of sheet metal of thickness of 5 ... 10 mm or channel bars and is located above the strip. The profile height  $d$  is within 20 ... 30 mm, and the strip is made of sheet metal of thickness 5 ... 10 mm and comprises holes, in which the sleeves with internal thread are fastened which are mounted at an angle  $\alpha_2$ , which is in the range of  $0^\circ$  ...  $15^\circ$ , with possibility of their coincidence with the axes of holes in the end cover of the drum mill. The distance  $L_2$  between the axes of sleeves is equal to the distance between the axes of holes in the end cover of the drum mill. The strip has edges bent in the plane perpendicular to the length of the metal reinforcement at an angle of  $0^\circ$  ...  $15^\circ$ . The distance  $h$  between the lower surface of strip and the straight section of the basis of lifter is in the range of 6 ... 10 mm and the width  $G$  of strip is 0.6 ... 0.85  $A$ . The height  $H$  of lifter is made in accordance with the ratio  $H = H_1 \cdot D_c$ .