

ABSTRACT**LIFT DRIVE FOR A RAIL-GUIDED CLIMBING SYSTEM**

The invention relates to a lift drive for a rail-guided climbing system (10), which can be used, in particular, as a climbing formwork, climbing frame, climbing protective wall
5 and/or a climbing working platform. The lift drive comprises climbing shoes (32, 34, 36, 38) that can be arranged on a building (1) in a fixed manner, at least one climbing rail (18) which is guided by the climbing shoes (32, 34, 36, 38) and which can be integrated into a frame unit (11) or secured to the frame unit (11), and a climbing lift rail (24) which can be moved relative to the climbing rail (18) and is guided by the climbing rail (18), wherein the climbing
10 rail (18) and the climbing lift rail (24) can each be mounted in at least one of the climbing shoes (32, 34, 36, 38) in one direction and removed in a direction opposite said direction, and they can be moved in relation to the at least one of the climbing shoes (32, 34, 36, 38). The lift drive also comprises a lift device (26) which is fixed to the climbing rail (18) at one end and to the climbing lift rail (24) at the other end in such a way that a length (3, 4, 5) of a stroke of the
15 lift device (26) corresponds to a movement (3'; 3', 4'; 5', 5'') of the climbing rail (24) relative to the climbing rail (18), and wherein the length (4) of the stroke when the climbing lift rail (24) is mounted is sufficient to mount the climbing rail (18) such that it is offset by a mounting distance (20) of the climbing rail (18).

Figure 5