

The invention relates to a teat rubber for a substantially undeformable milking cup sleeve (40) for forming a two-chambered milking cup, by means of which milk is extracted from a teat in a suction milking process through a milking vacuum during a suctioning stroke and the teat is massaged during a relief stroke, wherein the teat rubber comprises a head part (12) that is substantially rotationally symmetrical relative to its longitudinal axis and a shaft part (14) that is connected to the head part (12) by means of a transitional part (22), wherein the shaft part (14) is flexible, it surrounds the teat and reacts to the alternating changes in pressure during the suctioning and relief strokes by changing its form. The head part (12) is embodied as an annular tube (16), which forms an insertion hole (18) for the teat (Z), and which ensures sealing relative to the milking vacuum and the best possible grip of the teat rubber to the teat without excessively contracting the teat both during the suctioning and the relief strokes. The annular tube (16) is configured in such a way that an annular hollow space (3) is defined by the teat, the transitional part (22) and the annular tube (16) once the teat is introduced into the shaft part (14). The diameter inside the annular tube (16) is smaller during the suctioning stroke than the diameter inside the area of the shaft part (14) provided for the teat. The annular tube (16) is so flexible that its inner diameter can be enlarged radially outward during introduction of the teat and its axial length can be changed.