

Title (en)
PLUNGER BUFFER

Title (de)
HÜLSENPUFFER

Title (fr)
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Publication
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Application
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Abstract (en)
[origin: WO2005115818A1] The invention relates to a plunger buffer that comprises first and second guide elements in the form of a buffer housing (10) and a plunger (20). The aim of the invention is to allow a significant length reduction for the controlled deformation of the buffer housing in the event of overload and at the same time a sufficiently large overlap in the normal operation (compression until full plunger displacement is attained). For this purpose, at least one (20) of the two guide elements (10, 20; 10, 50) consists of two or more elongate sections (22, 24; 52, 54) disposed one after the other. The elongate sections (22, 24; 52, 54), in the area of their adjacent faces, are interlinked by one or more predetermined breaking point(s) (23; 53) each and have different cross-sectional dimensions. When a defined impact force (triggering force) onto the buffer housing (1) is exceeded, the predetermined breaking point(s) (23; 53) tear(s) off and the elongate sections (22, 24; 52, 54) are telescoped into each other.

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