

**Line guide device and modular end fastenings with flexible
envelope for clean room applications**

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ABSTRACT

The invention relates to a line guide device (1) comprising a
displaceable flexible envelope (2) with duct-like sheaths (7) for
10 lines (8) and end fastening devices (20) in each case comprising
two clamping plates (210) with major faces (22) for exerting a
clamping force and with in each case a retaining portion (211) for
strain relief elements. The retaining portion retains the strain
relief elements on the respective clamping plate against
15 displacement in the longitudinal direction and, according to the
invention, forms a profile cross-section (220) with undercut
(221). The strain relief elements (23A... 23G) each have at least
one connection portion (230) which, for form-fitting engagement
behind the undercut, corresponds to the profile cross-section
20 (220) of the retaining portion in order also to retain the strain
relief element (23A... 23G) on the clamping plate (210) in the
direction perpendicular to the major face (22).

The invention further relates to a variant of the end fastening
device comprising two plate connectors (240A; 240B) for holding
25 the clamping plates (210) together in each case on a lateral end
portion (214), in each case with two opposing clip portions (242)
for form-fitting interaction with an end region (214).

(Fig. 2B)

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