

Positive experiences with the LINNEMANN FLY clamp connection

As a manufacturer of, among other things, standardised tube connections, e.g. in accordance with DIN 32676, and self-developed tube connections, LINNEMANN, who have been active as a company in Tübingen for 25 years, are constantly gathering reference values from the use of these two product series. The latest evaluation has confirmed the following main advantages of the FLY clamp connections:



1. Longer service lives for the connections due to the defined pressure on the seal. Premature cracking and brittling are ruled out because the sealing end position in the block connection only deforms the D-shaped seal up to max. 20%. An important safety criterion for gaseous or liquid media in high vacuum or pressure processes.



2. Lower material fatigue due to rigid block clamp connection. Pressure surges of the medium, temperature fluctuations or tensions in the pipeline system act neither on the seal nor on the end faces because the block closure ensures a permanently stable connection.

3. Optimised operation and improved maintenance behaviour due to stable cross-section of the joints. When closing the DIN connections, the clamp seals are pressed beyond the end faces into the flow channel. This results, on the one hand, in eddy currents in the medium which lead to deposits in the flow shadow and allow bacteria nests to form. On the other hand, the constricted cross-section prevents reliable cleaning, e.g. in mulching, which reinforces the described effect.

In the TUEV-tested FLY clamp connections, the seals inserted into the groove ensure accurate forced centring and are constructed such that they do not protrude into the flow channel. This has proven to be an advantage in the main areas of application in the chemical, semiconductor, cosmetic, pharmaceuticals, food and beverages industries and also for abrasive bulk materials.

Details of the FLY clamping connections can be found under www.linnemann-online.de where graphics and product descriptions, structure and use are given in more detail.