For some years **plastic spiral wraps, hose beads** and other accessories have been increasingly fitted on reel or deck hoses of aircraft refuelling vehicles.

They are intended to assist in gliding the hose over the airport apron, prevent excess abrasion of the hose cover, and to enhance visibility of the hose during operation.

Most of the accessories available on the market have not been specifically developed for the use on the airfield.

This situation has prompted the Energy Institute to release the standard **EI 1522 'Minimum Requirements for Aviation Fuelling Hose Accessories'**.

Tests have shown that most of the currently marketed hose beads and spiral wraps do not fulfill the new EI 1522 requirements, i. e.

- flame test as defined by ISO 1825
- impact damage test (100x fall of a filled hose assembly from 2 mtr height)
- no losable small fastening components such as screws, nuts or cable-ties
- certified by the manufacturer that the accessory cannot generate incendive discharges (based on IEC 60079-32-2).

In addition, a daily visual test of the hose is required by JIG and other guidelines. Spiral wraps often cover a large part of the hose, preventing early recognition of hose weaknesses or damage.

ELAFLEX have developed 'BD' Hose Beads for their aircraft refuelling hoses DN 38, 50 and 63.

- fulfillment of all EI 1522 requirements
- notably improve handling as they reduce friction against the ground
- protection against hose abrasion
- highly break resistant
- contain no bolts or nuts, can be easily assembled and disassembled (required by JIG for the 6-month inspections)
- are suitable for use on hose reels.

BD 38, weight ~0,12 kg, available soon

BD 50, weight ~0,18 kg, available from stock

BD 63, weight ~0,23 kg, available from stock

For further details or the assembling / disassembling manual please contact the Elaflex sales team.

Hose Beads Type **BD**, size 50 / 63

Easy assembling

Easy disassembling

Application Photos BD 50 / Reel Hose HD 50 C / VHD 50 C