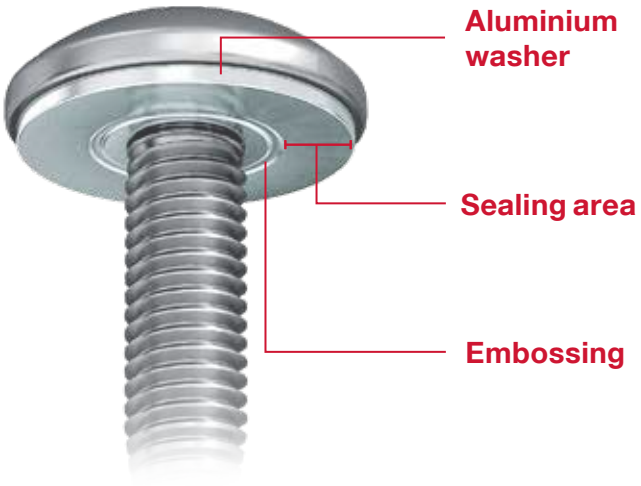
EJOT FDS®

Flow-drill screw assembly with additional sealing function

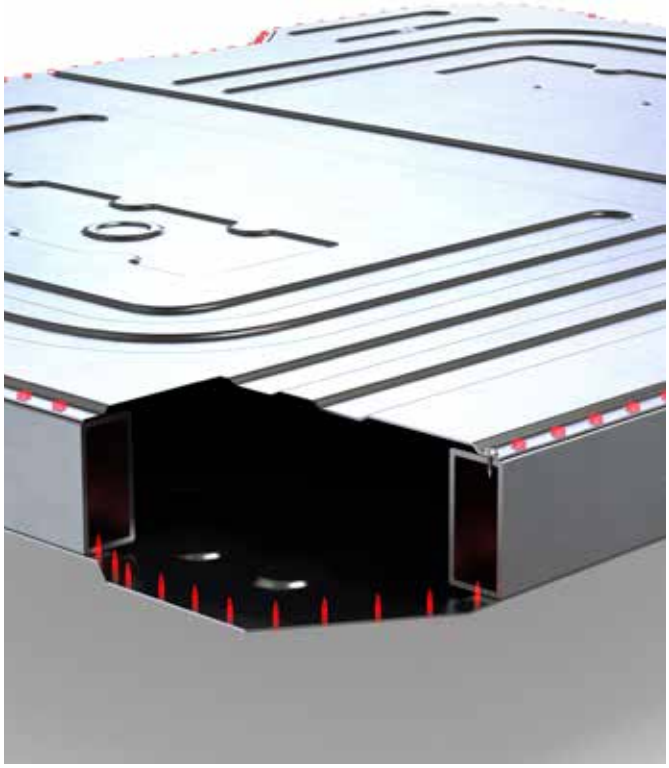
A pre-assembled embossed aluminium sealing washer, ensures an under-head seal of this special version of the FDS® screw. Current applications can be found in e-mobility in the area of the battery box fastening, where the sealing washer prevents water from entering. The waterproofing function (1 m water column / 24 h) is achieved by the sealing surface of the aluminium washer. Pre-drilling of the clamping part is necessary for this application.

The diameter of the underside of the washer is smaller in size than the clamping part hole and is therefore outside of the sealing area. Due to the manufacturing process, the sealing washer has to be 1 mm smaller than the head diameter. The embossing guarantees the rotation of the washer and makes it captive.



Joining Process

Application example battery box



Sealing Function

For more information please contact the EJOT Hotline, phone +49 2751 529-123, e-mail hotline@ejot.com

05.19/PDF12.22 Subject to technical changes.

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