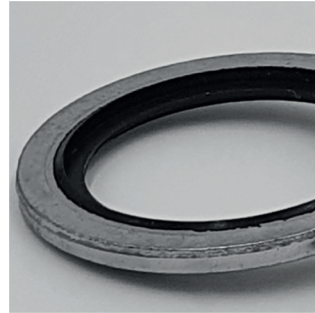


**NT**  
**K+D AG**

Plastics & sealing technology  
3D printing



## Screw Seals

The inexpensive "Dowty seal" solution for all screw and bolt types

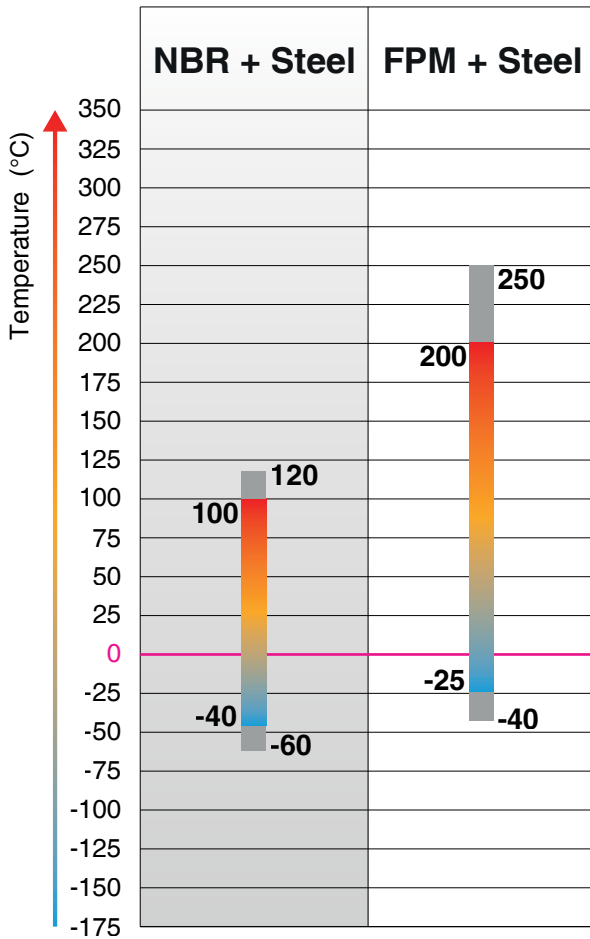


**Introduction**

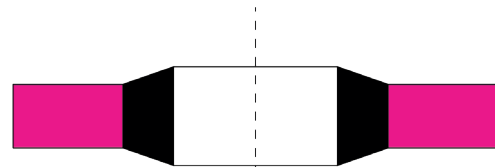
In order to achieve the desired sealing effect in bolted/screwed connections, bonded seals (also known as bonded washers, bolt seals, screw seals, Dowty seals or Usit rings) are widely used. This type of static seal, used like a washer, consists of a stainless-steel ring with a specially profiled ring of elastomer bonded to its inner surface. If desired, the elastomeric ring can be equipped with an additional sealing lip that extends towards the centre of the ring.

The sealing effect is achieved by tightening the bolt or screw. As the bonded seal's internal elastomeric ring is compressed beneath the head of the bolt/screw, it achieves a reliable seal and is held firmly in place

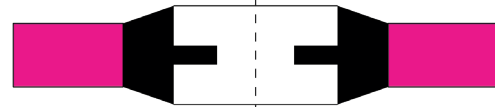
**Material operating temperatures**



**Overview of types**



BS-10



BS-11  
with sealing lip