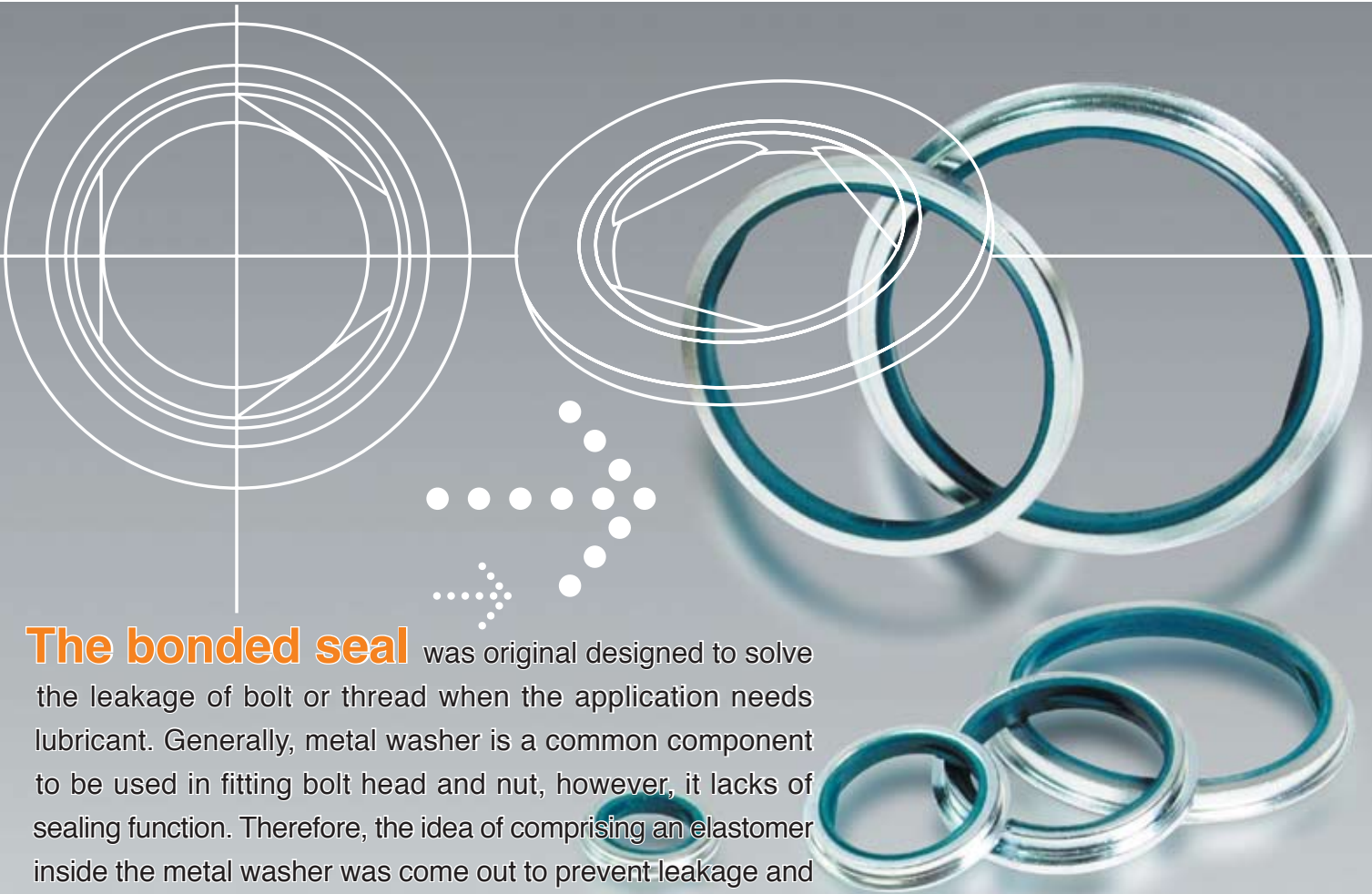
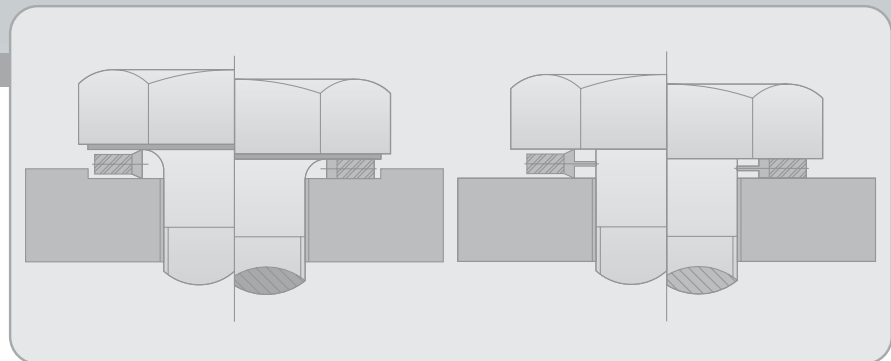


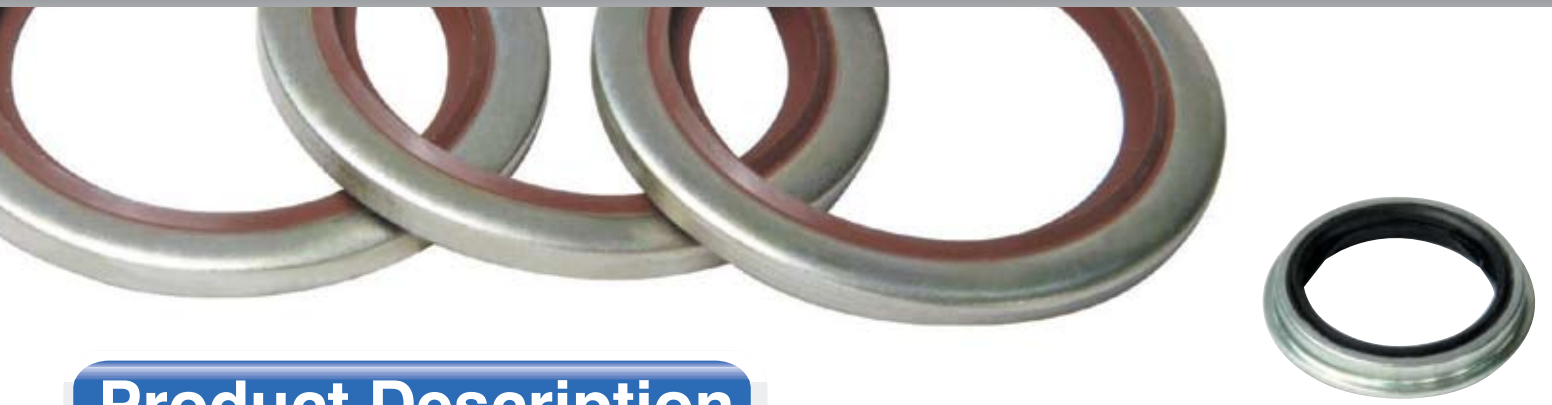
# Product Information

## NAK BONDED SEAL



**The bonded seal** was originally designed to solve the leakage of bolt or thread when the application needs lubricant. Generally, metal washer is a common component to be used in fitting bolt head and nut, however, it lacks of sealing function. Therefore, the idea of comprising an elastomer inside the metal washer was come out to prevent leakage and meet the lubricant application.





## Product Description

**NAK BONDED SEAL** was originally designed to withstand high pressures, and it is being substituted for copper type washers in higher pressure system. The NAK Bonded Seal comprises a metal washer and an elastomeric ring bonded inside the diameter. The metal washer prevents over-compression and limits deformation of the elastomeric ring; the elastomer prevents lubricant leakage internally and avoids water or the pollutant invasion from outside environment.

### Advantages of NAK Bonded Seal

- Provides efficient cost to solve the sealing of bolt/thread
- Can be used in various applications, i.e.: threaded bolt, studs and clearance holes
- Available in different temperature ranges
- Reliable to suit for high and low-pressure sealing
- Metal washer prevents the elastomer from over compression and deformation
- Available to suit for all thread sizes
- Easy to assemble
- Available to self-centralizing
- Ability to pre-assemble

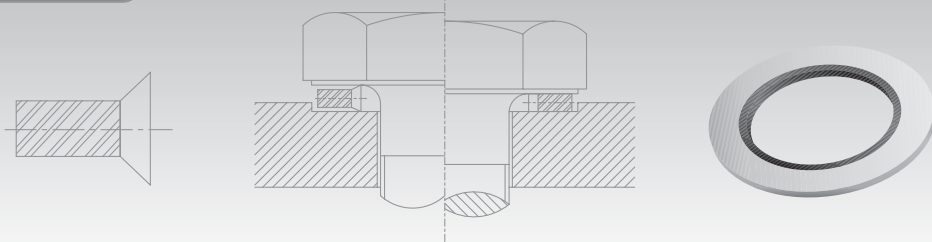


## Technical Information

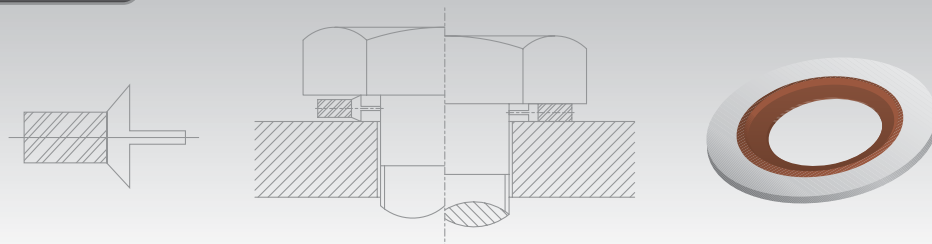
The **bonded seal** is an elastomeric sealing ring that vulcanized on the edge of a metal washer. The metal washer could control the optimum deformation of the elastomeric sealing ring and eliminate the possibility of over-compression and extrusion.

**NAK** has standard and self-centering types of bonded seal, and other customized designs are also available. The standard types are commonly used to seal blot or thread clearance in most engineering applications. A wide range of different sizes is available. The self-centering type has the characteristics of easy and accurate placement.

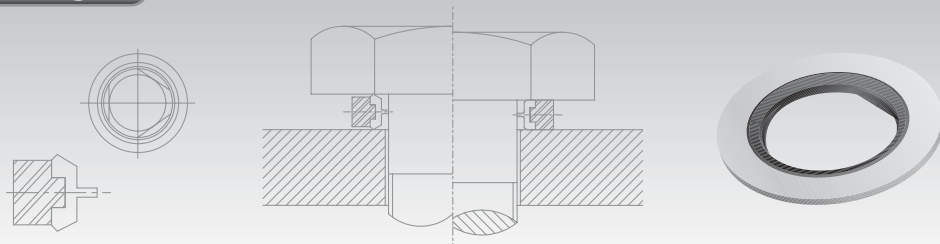
WS



WS1



KDS1



KDS3

