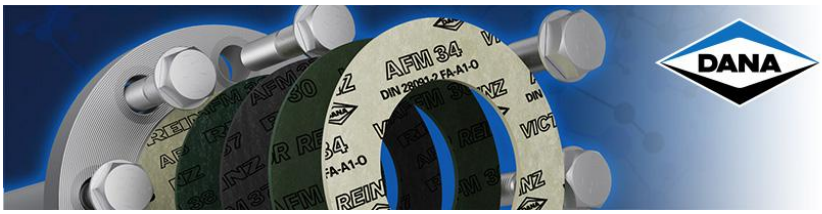
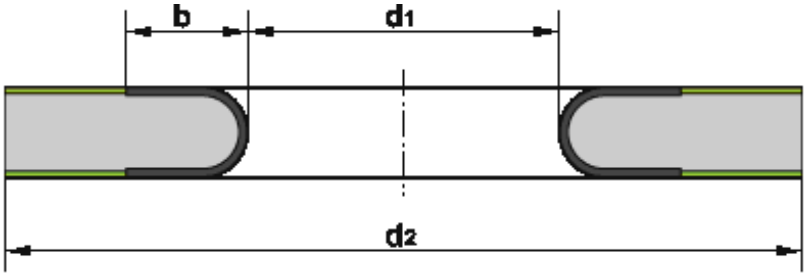


AFM 34 CO ME: Flat gaskets with stainless steel inner bead, blow- out resistant

for welding neck flange with raised face, dimension based on DIN EN 1514-1 and DIN EN 12560-1 or ASME B 16.21

Technical Data Sheet 941
Edition: 11/2018, supersedes all prior editions.
Please see the latest issue under www.reinz- industrial.com



Gasket design

The basis is the proven gasket material AFM 34 (see also Technical Datasheet No. 334), which is covered with a new coating (CO) to optimize the surface adaptation.The metal inner bead of 0.10- mm- thick stainless steel 1.4571 is manufactured using a special beading process.

Properties

- maximum gas seal even at low surface pressures
- optimal prerequisites for the calculation of flange joints under EN 1591-1 to maintain sealing class under VDI 2290
- low load absorption of the inner bead (optimized surface pressure distribution)
- blow- out proof
- high chemical resistance

Inner bead

- Stainless steel 1.4571; 0.10 mm
- ≤ DN 400 seamlessly finished; > DN 400 welded

Approvals

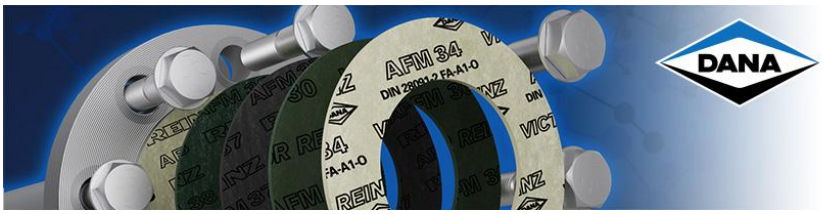
Technical Guidelines on Air Quality Control (TA Luft)
High- quality gasket

DIN- DVGW (gasket material AFM 34)
under DIN 3535, Part 6 FA

DIN 30653 (formerly VP 401)
Gaskets with higher thermal resistance (HTB)

Fire Safe
acc. to API 6FB

Germanischer Lloyd (DNV GL)
Approved for shipbuilding



AFM 34 CO ME

Sealing parameters

Characteristics acc. to EN 13555 are available on request.

The data quoted above are valid for the material "as delivered" without any additional treatment. In view of the countless possible installation and operating conditions, definitive conclusions cannot be drawn for all applications regarding the behaviour in a sealed joint. Therefore, we do not give any warranty for technical data, as they do not represent assured characteristics. If you have any doubt, please contact us and specify the exact operating conditions.

Form of delivery

Gaskets Based on DIN EN 1514-1(Form IBC) and DIN EN 12560-1 (Form IBC) or ASME B 16.21.

Deviating inner diameter (43mm) for DN 32 PN 63 from DIN EN 1514-1 (41mm).

Deviating inner diameter (92mm) for DN 80 PN 10-40 from DIN EN 1514-1 (89mm).

For orders, please provide the following information:
AFM 34 CO ME / dimension standard / nominal diameter / nominal pressure / thickness

Other dimensions as agreed.

Nominal thickness 2.0 mm

Tolerances:

- Thickness: DIN 28091-1
- Diameters d_1 and d_2:
  DIN ISO 2768-1 tolerance class v
- Lateral length b:

DN 10 to DN 20 (NPS ½ to ¾):	2.5±0.3
DN 25 to DN 65 (NPS 1 to 2½):	3.5±0.4
DN 80 to DN 150 (NPS 3 to 6):	4.0±0.4
DN 200 (NPS 8):	5.0±0.5
DN 250 (NPS 10):	5.5±0.5
DN 300 to DN 400 (NPS 12 to 16):	6.0±0.6
DN 450 to DN 500 (NPS 18 to 20):	6.5±0.6
From DN 600 (NPS 24):	7.5±0.7