

# CORRUGATED METAL GASKETS.

Product Name	Corrugated metal gasket with graphite layer	Corrugated metal gasket with graphite layer, partially covered
Product name	WS 1.4571/3803	WS 1.4571/3803
Product image		
Profile No.	WD10 	WD12 
Features	<p>Consists of a corrugated stainless steel carrier [1.4671] with graphite foil layer. The corrugated ring leads to a high compression of the non-metallic material at the peaks, a low diffusion cross-section, an increase in blow-out resistance and an improvement in stability and handling. This sealing system already shows a great tightness at low surface pressures and has a great elasticity and compensating ability. It is used for flanges with raised face/male and female flanges, for larger diameters in device construction as well as for special flange connections.</p> <p>Complies with TA Luft and VDI 2290<sup>1</sup>.</p>	<p>Consists of a corrugated stainless steel carrier [1.4671] partially covered with graphite foil layer. The corrugated ring leads to a high compression of the non-metallic material at the peaks, a low diffusion cross-section, an increase in blow-out resistance and an improvement in stability and handling. The sealing surface is reduced if only partially utilised and therefore results in an increase of the specific surface pressure. This design is to be preferred to the IDT profile WD10 for low bolt forces and for gaskets with larger widths.</p> <p>Complies with TA Luft and VDI 2290<sup>1</sup>.</p>





## OPERATIONAL DATA

Pressure	Max. 160 bar	Max. 160 bar
Temperature	-200 °C to 550 °C <sup>3</sup>	-200 °C to 550 °C <sup>3</sup>

## APPROVALS

TA Luft 2002 [VDI 2440/2200]	<b>X</b>	<b>X</b>
BAM oxygen	Graphite	Graphite
BAM EO/PO [Ethylene-/Propylene oxide]	<b>X</b>	<b>X</b>
DVGW [DIN 3535-6]	<b>X</b>	
KTW-guideline		
Fire Safe Test	<b>X</b>	<b>X</b>
FDA		
EG 1935/2004		
Blow-out resistance	<b>X</b>	<b>X</b>
Germanischer Lloyd		
Features	TRD 401	

<sup>1</sup>Complies with VDI 2290 only in combination with a leakage certificate as per EN 1591-1 | <sup>3</sup> upward of 450°C please consult the manufacturer

Product Name	Corrugated metal gasket with graphite layer and inner eyelet	Corrugated metal gasket with graphite layer and inner eyelet, partially covered
Product name	WS 1.4571/3803 IB	WS 1.4571/3803 IB
Product image		
Profile No.	WD20 	WD24 
Features	<p>Consists of a corrugated stainless steel carrier [1.4671] with graphite foil layer and stainless steel inner eyelet. The corrugated ring leads to a high compression of the non-metallic material at the peaks, a low diffusion cross-section, an increase in blow-out resistance and an improvement in stability and handling. This sealing system already shows a great tightness at low surface pressures and has a great elasticity and compensating ability. The inner eyelet promotes diffusion reduction.</p> <p>Complies with TA Luft and VDI 2290<sup>1</sup>.</p>	<p>Consists of a corrugated stainless steel carrier [1.4671] partially covered with a graphite foil layer and stainless steel inner eyelet. The sealing surface is reduced if only partially utilised and therefore results in an increase of the specific surface pressure. This design is to be preferred to the IDT profile WD20 for low bolt forces and for gaskets with larger widths. The inner eyelet promotes diffusion reduction.</p> <p>Complies with TA Luft and VDI 2290<sup>1</sup>.</p>

**OPERATIONAL DATA**

Pressure	Max. 160 bar	Max. 160 bar
Temperature	-200 °C to 550 °C <sup>3</sup>	-200 °C to 550 °C <sup>3</sup>

**APPROVALS**

TA Luft 2002 [VDI 2440/2200]	<b>X</b>	<b>X</b>
BAM oxygen	Graphite	Graphite
BAM EO/PO [Ethylene-/Propylene oxide]	<b>X</b>	<b>X</b>
DVGW [DIN 3535-6]		
KTW-guideline		
Fire Safe Test	<b>X</b>	<b>X</b>
FDA		
EG 1935/2004		
Blow-out resistance		
Germanischer Lloyd		
Features		

<sup>1</sup> Complies with VDI 2290 only in combination with a leakage certificate as per EN 1591-1 | <sup>3</sup> upward of 450°C please consult the manufacturer