OCELL RINGS

OC-JS-01 · TECHNICAL & CUSTOM

SPIRAL-WOUND GASKETS

Metal / graphite composite sealing for flanges



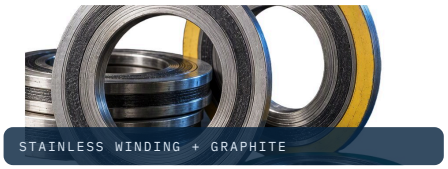
KEY FIGURES	EN 1514-2	ASME B16.20	Class 150 → 2500

OVERVIEW

DEFINITION

A spiral-wound gasket is a composite metal gasket: a strip of stainless steel wound into a spiral, alternating with a filler of flexible graphite or PTFE. That construction gives it the resilience of a soft gasket and the mechanical strength of metal.

It is designed for flanges under high pressure and wide temperature swings: steam, heat-transfer oils, gases, hydrocarbons and chemical fluids. It is a single-use gasket, replaced every time the flange is opened.



STAINLESS WINDING + GRAPHITE

SPECIFICATIONS

SUMMARY

Standards	EN 1514-2 · ASME B16.20
Sizes EN 1514-2	DN 10 → DN 1000 · PN 10 → PN 320
Sizes ASME B16.20	NPS ½" → 24" · Class 150 → 2500
Thicknesses	3.2 · 4.5 · 6.4 mm
Types	R (no ring) · CG (outer ring) · CGI (inner and outer rings)
Winding strip	Stainless 304 · 316L · 321 · 347 · Monel 400 · Nickel 200 · Titanium · Alloy 20 · Inconel 600 · Hastelloy C-276 · Incoloy 800
Filler	Flexible graphite · PTFE
Centring rings	Carbon steel · stainless steel
Temperatures	Graphite −200 to +1000 °C · PTFE −200 to +260 °C
Service	Single-use gasket, replaced each time the flange is opened

MATERIALS

MATERIAL

Stainless 304 · Stainless 316L · Graphite · PTFE · Carbon steel

ENQUIRY

SERVICE

- Technical advice on material, size and housing.
- Quotation within 24 hours.
- A reference, drawing or photo of the worn part is enough.

APPLICATIONS

- **Process piping flanges**
- **Steam and district heating**
- **Petrochemicals and chemicals**
- **Heat exchangers and valves**

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