

TECHNICAL DATA SHEET · GASKETS

Spiral Wound Gasket

SS304 / SS316 windings, graphite or PTFE filler, with inner and outer rings.

STOCKIST & SUPPLIER A spiral wound gasket is made by winding a V-shaped metal strip and a soft filler together. The winding gives resilience under changing pressure and temperature; the outer centering ring locates the gasket and limits compression.

Specification

Product	Spiral wound gasket with centering ring, with or without inner ring
Supply	Stockist and supplier — sourced from approved manufacturers; not manufactured by Teshi Group
Standard	ASME B16.20, for ASME B16.5 and ASME B16.47 flanges
Size range	NPS ½" to 24" (B16.5); NPS 26" to 60" (B16.47)
Pressure classes	Class 150 to 2500
Winding metal	SS 304, SS 316L, SS 321, SS 347, Monel, Inconel
Filler	Flexible graphite, PTFE, mica
Centering (outer) ring	Carbon steel, zinc plated or painted; stainless steel on request
Inner ring	Same alloy as the winding
Thickness	Winding 4.5 mm nominal; rings 3.0 mm nominal

Materials

Winding / filler	SS 304 + graphite (yellow ring edge, grey stripe); SS 316L + graphite (green, grey stripe); SS 316L + PTFE (green, white stripe)
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Inspection and testing

- Manufacturer's dimensional inspection to ASME B16.20.
- Verification of colour coding, marking and winding condition on receipt.
- Material certificates for winding and rings on request.

Marking, documentation and packing

Marking	Marked on the centering ring to ASME B16.20: manufacturer, size, class, winding metal, filler, ring materials and standard. Ring edge colour - coded by winding metal and filler.
Documentation	Manufacturer's certificate of conformity; material certificates on request.
Packing	Individually wrapped and packed flat on plywood boards to prevent distortion.

Typical applications

- Raised-face flanged joints in steam, hydrocarbon and process service
- Joints subject to pressure and temperature cycling

Ordering information

- Flange standard, size and class



- Winding metal and filler
- Inner ring: required or not, and material
- Outer ring material
- Quantity

Dimension charts

ASME B16.20 spiral wound gasket dimensions; ASME B16.20 ring joint gasket dimensions; ASME B16.21 non-metallic gasket dimensions — www.teshigroup.com/dimensional-standards/

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions and properties before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions.

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