

Self-Reinforced Nozzle

Heavy-wall nozzle that provides reinforcement without a separate pad.

Self-reinforced nozzles use a heavier wall than the connecting pipe to provide the required area replacement. This avoids a separate reinforcement pad, reduces weld length and is well suited to cyclic or high-pressure service.

KEY FEATURES

- Reinforcement integral to the nozzle wall
- No separate pad or saddle
- Reduced weld length and inspection burden
- Suitable for high-pressure and cyclic duty

SPECIFICATION

ITEM	VALUE
Size range	4–12 in
Pressure class	Class 300–900
Schedule	80, XXH or calculated
Reinforcement	Integral wall, no pad
Connection	Flanged, butt weld
Inspection	Dimensional, UT on request

STANDARDS AND MATERIALS

Standards: ASME Section VIII Div. 1; ASME B16.5; ASTM A106 / A182.

Materials: ASTM A106-B; ASTM A182 F316L.

ORDERING RANGE

Representative configurations. The full size, material and connection range is confirmed on the order acknowledgement.

SIZE	SCHEDULE	CONNECTION	MATERIAL	PART NUMBER
4"	80	Flanged 300	A106-B	BGI-SRN-0400-80-A106
6"	80	Flanged 300	A106-B	BGI-SRN-0600-80-A106
8"	XXH	Butt weld	A106-B	BGI-SRN-0800-XXH-A106
10"	XXH	Flanged 600	F316L	BGI-SRN-1000-XXH-F316 L

APPLICATIONS

- High-pressure vessels
- Cyclic service
- Compact equipment
- Retrofit connections

ORDERING NOTES

Confirm size, pressure class, facing or connection, material and quantity when ordering. For critical service, include the project specification, NDE requirements and documentation package. Alternative materials, coatings, tappings and special dimensions are quoted on request.

Range: Nozzles. Document reference: DS-SELF-REINFORCED-NOZZLE · Rev. 04.

Ordering and technical support

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Quotations are prepared against the released specification. Certified drawings are issued with the order.