

Hillside Nozzle

Angled penetration for connections that must follow a shell contour or flow path.

Hillside nozzles enter the shell at an angle rather than perpendicular to the surface. They are used where geometry, flow direction or internals require an inclined connection, and are supplied with a contoured saddle or pad for a proper weld fit.

KEY FEATURES

- Angled penetration to suit shell geometry
- Contoured saddle or pad for weld fit
- Common 15°, 30°, 45° and 60° orientations
- Flanged or butt-weld termination

SPECIFICATION

ITEM	VALUE
Size range	2–8 in
Angle	15°, 30°, 45°, 60°
Connection	Flanged, butt weld
Weld preparation	Contoured saddle or pad
Reinforcement	Per ASME VIII
Inspection	Dimensional, fit-up, NDE on request

STANDARDS AND MATERIALS

Standards: ASME Section VIII Div. 1; ASME B16.5; ASTM A234 / A182.

Materials: ASTM A234 WPB; ASTM A182 F316L.

ORDERING RANGE

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

SIZE	ANGLE	CONNECTION	MATERIAL	PART NUMBER
2"	45°	Flanged 150	A234 WPB	BGI-HN-0200-45-A234
3"	30°	Butt weld	A234 WPB	BGI-HN-0300-30-A234
4"	45°	Flanged 150	F316L	BGI-HN-0400-45-F316L
6"	60°	Butt weld	F316L	BGI-HN-0600-60-F316L

APPLICATIONS

- Tank and vessel inlets
- Tangential flow connections
- Retrofit penetrations
- Internals support

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-HILLSIDE-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.