VSG Graphite Pressure Seal: OD Angled Seals

Design Requirement Form

Please complete all required fields below and **email the form to VSG@egcgraphite.com**. Accurate and complete information is essential for proper design, quotation, and manufacturing of your EGC graphite pressure seal.
INCOMPLETE or INACCURATE submissions may delay or prevent order processing.

Contact Name _____

Company _____

Plant _____

Phone _____

Email _____

Valve Manufacturer _____

Valve Figure No. _____

Valve Size & Type _____

Valve Pressure Class _____ Quantity _____

Fastener Size _____ Fastener Grade _____

Fastener Quantity _____

Record all inch (in.) measurements to 0.000 and all millimeter (mm) measurements to 0.00, including trailing zeros.

A) Bonnet Neck OD _____

B) Bonnet Angle _____

C) Bonnet Neck Height _____

D) *Bonnet Major OD _____

E) Bonnet Toe Width _____

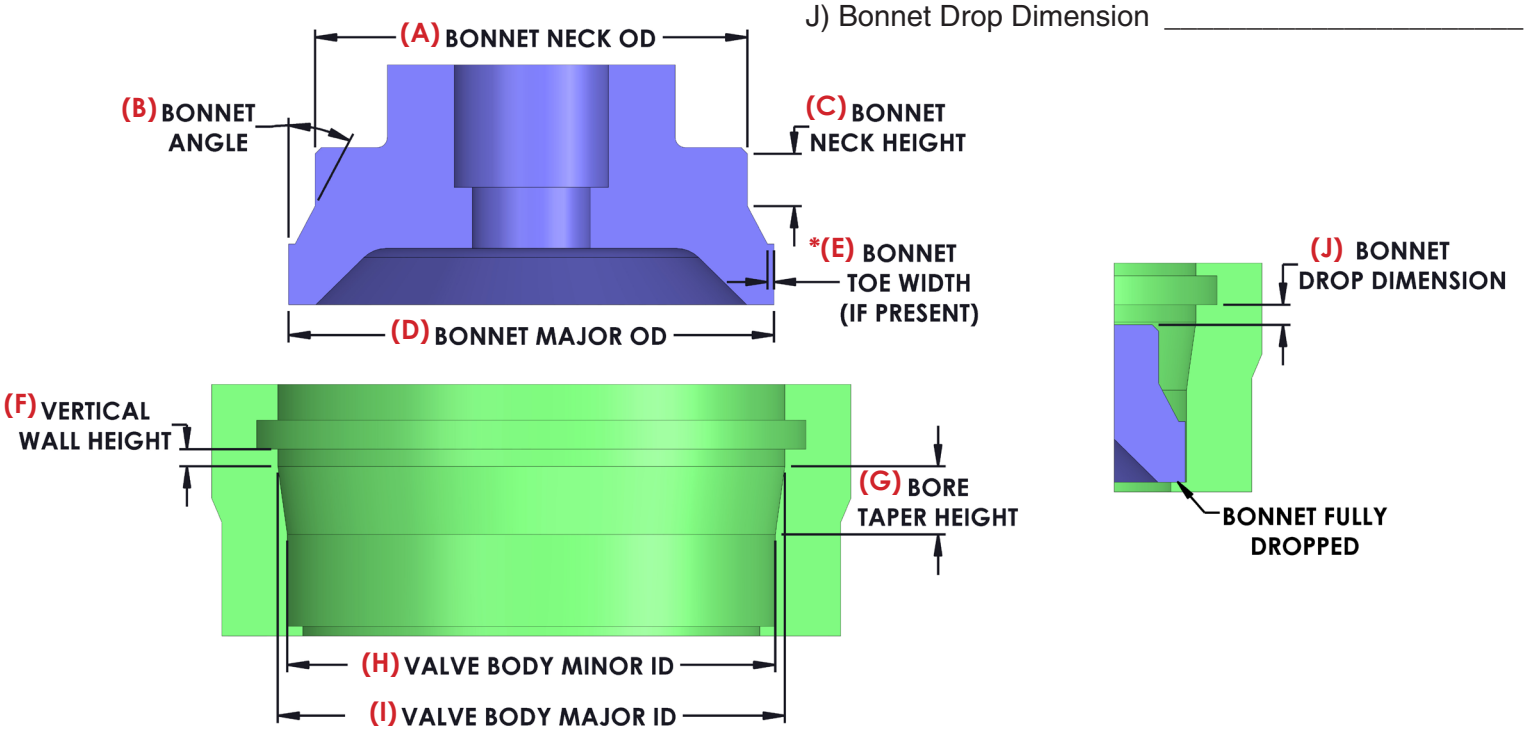
F) Vertical Wall Height _____

G) **Bore Taper Height _____

H) **Valve Body Minor ID _____

I) **Valve Body Major ID _____

J) Bonnet Drop Dimension _____



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Record all inch (in.) measurements to 0.000 and all millimeter (mm) measurements to 0.00, including trailing zeros.

A) Backing Ring OD _____

B) Backing Ring ID _____

C) Are Angles Present? _____

D) Backing Ring Thickness _____

E) Seal Top OD _____

F) Seal ID _____

G) Seal Shoulder _____

H) Seal Height _____

I) Seal Toe _____

J) Seal Bottom OD _____

K) Seal ID Angle _____

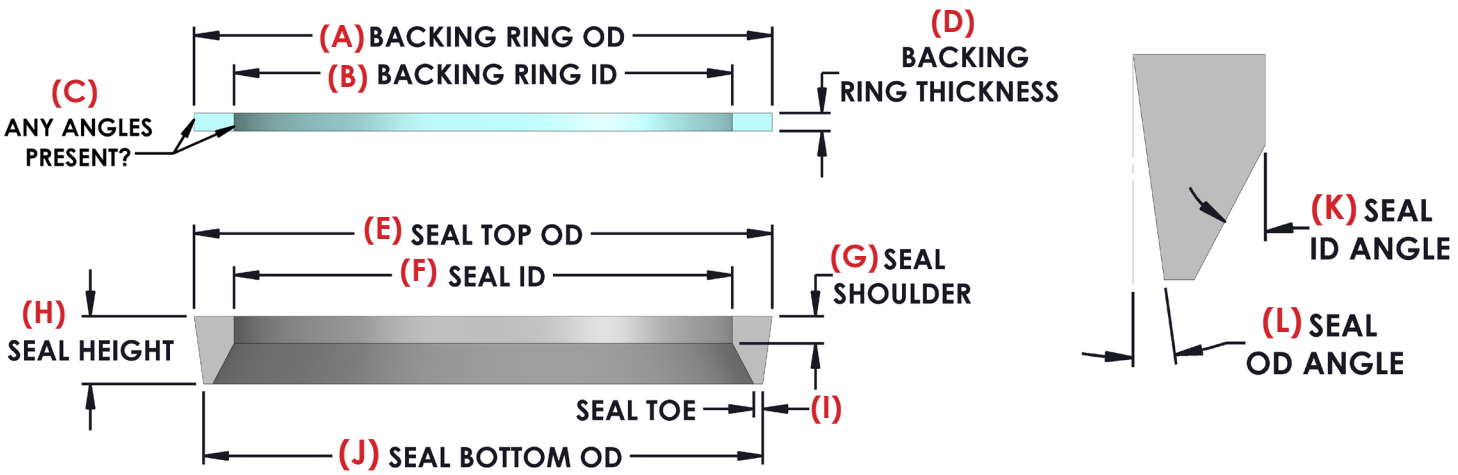
L) Seal OD Angle _____

Were dimensions taken from a new or used seal?

_____

System Operating Pressure _____

Will the valve be hydro-tested? _____



** Bonnet Toe Width: Please note any uninstalled pressure seal height restrictions. Ex: bonnet threads, jack screw plate assemblies, recess or relief cuts.*

*** Valve Body ID: Any taper, out of roundness, cuts, grooves, or other damage to the valve body ID within the seal ring area must be reported to EGC with the data sheet.*

Valve mating components related to the pressure seal ring with diametrical clearance more than .050" must be reported to EGC during design review (ex: backing rings, keeper rings, major bonnet OD, etc.)

While EGC recommends providing photos, descriptions, or sketches with the data sheet, these are required for valves with abnormal configurations or poor condition to ensure proper replacement seal ring design.

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