# Steel Gate Valves—Flanged and Butt-welding Ends, Bolted Bonnets

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Suggested revisions are invited and should be submitted to the Standards Department, API, 200 Massachusetts Avenue, Suite 1100, Washington, DC 20001, standards@api.org.

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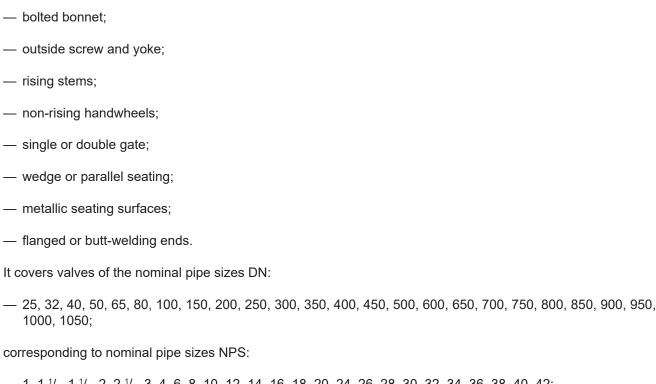
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# Steel Gate Valves—Flanged and Butt-welding Ends, Bolted Bonnets

#### 1 Scope

This standard specifies the requirements for a heavy-duty series of bolted bonnet steel gate valves for petroleum refinery and related applications where corrosion, erosion, and other service conditions would indicate a need for full port openings, heavy wall sections, and large stem diameters.

This standard sets forth the requirements for the following gate valve features:



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-1, 1 \frac{1}{4}, 1 \frac{1}{2}, 2, 2 \frac{1}{2}, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42;
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and applies to pressure class designations:

— 150, 300, 600, 900, 1500, 2500.

This edition of API 600 states values in both metric and U.S. Customary units of measurement. These systems of units are to be regarded separately. The values stated in each system are not exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems constitutes nonconformance with this standard.

#### 2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

API Standard 598, Valve Inspection and Testing

API Standard 624, Type Testing of Rising Stem Valves Equipped with Graphite Packing for Fugitive Emissions