



ANSI gate valves forged steel
bolted bonnet
threaded and socket weld ends

Class 800
1/2" - 2"

Application

Industrial plants, power stations, process engineering
refineries, oil and marine engineering, for water, steam
gas, oil and other non-aggressive media

Operating data

Pressure-temperature ratings STD to API 602

Pressure test STD to API 598 standard

Materials

ASTM A105 trim 8 (stellite 13%Cr)

Design

STD API 602, socket weld ends STD to ASME B 16.11

NPT threaded ends according to ANSI B1.20.1

Standard variants

Other materials or series on request

Standard material specifications

| No | Part name | Material |
|----|---------------|----------------|
| 1 | handw. Nut | Carbon steel |
| 2 | handweel | Carbon steel |
| 3 | yoke sleeve | AISI 416 |
| 4 | name plate | Aluminium |
| 5 | gland nuts | A194 Gr 2H |
| 6 | gland flange | A105N |
| 7 | packing gland | A479 TP316 |
| 8 | bonnet | A105N |
| 9 | gland studs | AISI 410 |
| 10 | bolts b/b | A193 B7 |
| 11 | packing gland | Graphoil |
| 12 | stem | A479 TP410 |
| 13 | gasket b/b | F316+Graphoil |
| 14 | wedge | A479 TP410 |
| 15 | seat rings | A479 TP410+St6 |
| 16 | body | A105N |

Dimensions and Weight (mm and inches)

| DN | 1/2 | 3/4 | 1 | 1 1/4 | 1' 1/2 | 2 |
|------|-----|-------|------|-------|--------|------|
| NPS | 15 | 20 | 25 | 32 | 40 | 50 |
| A | 80 | 90 | 110 | 127 | 127 | 130 |
| B | 131 | 136,5 | 161 | 189 | 212 | 226 |
| C | 78 | 78 | 100 | 120 | 140 | 140 |
| D | 10 | 14 | 18 | 24 | 31 | 36,5 |
| lift | 14 | 18 | 24,5 | 29,0 | 36 | 44 |
| Kg | 1,7 | 2,1 | 3,6 | 5,1 | 7 | 9,1 |