

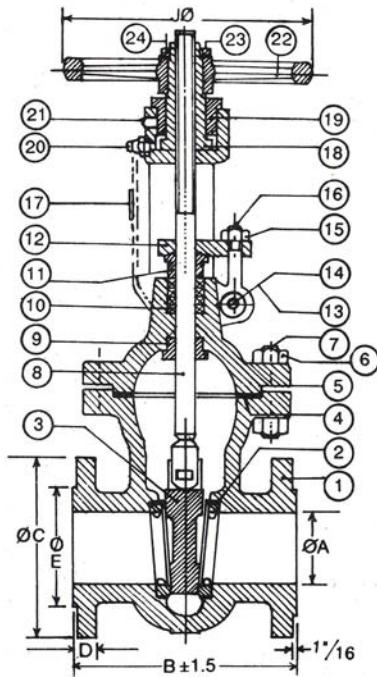
AMCO INDUSTRIAL VALVES



Gate Valve Class - 300

DATE: 13 - 06 - 07

REF: DRG. NO GTV - 300



| No | Part Name | Qty | Material Specification |
|----|-----------------|---------|--------------------------------------|
| 24 | Grub Screw | 1 | Carbon Steel |
| 23 | Handwheel Nut | 1 | Carbon Steel |
| 22 | Handwheel | 1 | Cast Iron |
| 21 | Grub Screw | 1 | Carbon Steel |
| 20 | Grease Nipple | 1 | Commercial |
| 19 | Yoke Nut | 1 | Stainless Steel AISI 410 |
| 18 | Yoke Sleeve | 1 | AL Bronze / Ni Resist |
| 17 | Name Plate | 1 | Aluminium / Brass |
| 16 | Eye Bolt | 2 | Carbon Steel ASTM A 307 Gr. B |
| 15 | Eye Bolt Nut | 2 | Carbon Steel ASTM A 307 Gr. B |
| 14 | Cross Bolt Nut | 2 | Carbon Steel |
| 13 | Cross Bolt | 2 | Carbon Steel |
| 12 | Gland Flange | 1 | Carbon Steel |
| 11 | Gland | 1 | Stainless Steel ASTM A 182 Gr. F6 |
| 10 | Gland Packing | 9 | Metallic wire reinforced asbestos |
| 9 | Back Seat Bush | 1 | Stainless Steel ASTM A 182 Gr. F6 |
| 8 | Spindle | 1 | Stainless Steel ASTM A 182 Gr. F6 |
| 7 | Bonnet Stud | As Req. | Alloy Steel ASTM A 193 B7 |
| 6 | Bonnet Stud Nut | As Req. | Carbon Steel ASTM A 194 Gr. 2H |
| 5 | Bonnet | 1 | Cast Carbon Steel ASTM A 216 Gr. WCB |
| 4 | Gasket | 1 | Spiral Wound Metallic Gasket |
| 3 | Wedge | 1 | WCB with 13% Cr. facing |
| 2 | Seat Rings | 2 | WCB with 13% Cr. facing |
| 1 | Body | 1 | Cast Carbon Steel ASTM A 216 Gr. WCB |

Primary Service Rating

| Class | Pressure | Temperature |
|-------|--|-----------------|
| 300 | 300 PSIG / 53 Kg / cm ² (g) | 850 °F (454 °C) |

Applicable Class 300 Standards : Steel Valves - ANSI B16.34 -1977 Standard Class
 Face to Face ANSI B16.10, End. Flanges ANSI B16.5
 Manufacturing Standards - BS - 1414 / API 600. Testing Standards API / 598

| | | | | | | | | | | | | |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| B | 190 | 216 | 241 | 282 | 305 | 381 | 403 | 419 | 457 | 502 | 762 | 838 |
| C | 155 | 165 | 190 | 209 | 254 | 279 | 317 | 381 | 444 | 521 | 583 | 648 |
| D | 21 | 22 | 25 | 28 | 32 | 35 | 36 | 40 | 47 | 51 | 54 | 57 |
| E | 73 | 92 | 105 | 127 | 157 | 186 | 216 | 270 | 324 | 381 | 413 | 470 |
| PCD | 114 | 127 | 149 | 168 | 200 | 235 | 270 | 380 | 387 | 451 | 514 | 572 |
| No. of Holes | 4 | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 16 | 16 | 20 | 20 |
| Hole Dia | 22 | 19 | 22 | 22 | 22 | 22 | 22 | 25 | 28 | 32 | 32 | 35 |
| J | 178 | 203 | 229 | 254 | 305 | 305 | 354 | 408 | 457 | 508 | 559 | 610 |
| Wgt. Kg | | | | | | | | | | | | |
| Qty. | | | | | | | | | | | | |

Tag No.

Code

WCB

Material

ASTM A 216

Specification

WCB

Test Pressure

Shell (Hydrostatic)

77 Kg / cm²

Seat (Hydrostatic)

53 Kg / cm²

Seat (Air)

5.5 Kg / cm²

(All Dimensions in mm)

Customer

Order No:

Job / Project

Manufactured By : **AMCO INDUSTRIAL VALVES**, ROYAPURAM, CHENNAI - 600 013, INDIA.

Due to continuous development programme, the design and data given in this leaflet are subject to change without prior notice.

REV

For Record

For Approval