

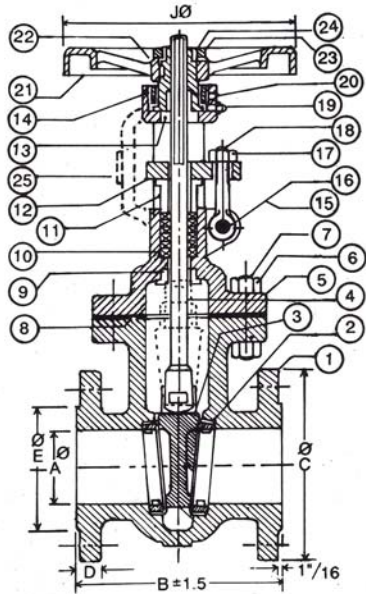
# AMCO INDUSTRIAL VALVES



Gate Valve Class - 150

DATE: 13 - 06 - 07

REF: DRG. NO GTV - 150



No	Part Name	Qty	Material Specification
25	Name Plate	1	Aluminium / Brass
24	Grub Screw	1	Carbon Steel
23	Handwheel Nut	1	Carbon Steel
22	Handwheel Key	1	Carbon Steel
21	Handwheel	1	Cast Iron
20	Grub Screw	1	Carbon Steel
19	Grease Nipple	1	Commercial
18	Eye Bolt	2	Carbon Steel ASTM A 307 Gr. B
17	Eye Bolt Nut	2	Carbon Steel ASTM A 307 Gr. B
16	Cross Bolt Nut	2	Carbon Steel
15	Cross Bolt	2	Carbon Steel
14	Yoke Bush	1	Carbon Steel
13	Yoke Sleeve	1	AL Bronze / Ni Resist
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	Gasket	1	Compressed asbestos fibre
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	Spindle	1	Stainless Steel ASTM A 182 Gr. F6
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	Temperaure
150	150 PSIG / 21 Kg / cm <sup>2</sup> (g)	500 °F (260 °C)

Applicable Class 150 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

	40	50	65	80	100	150	200	250	300	350	400
A	40	50	65	80	100	150	200	250	300	350	400
B	165	178	190	203	229	267	292	330	355	381	406
C	127	152	178	190	229	279	343	406	483	533	597
D	14	16	17	19	24	25	28	30	32	35	37
E	73	92	105	127	157	216	270	324	381	413	470
No. of Holes	4	4	4	4	8	8	8	12	12	12	16
Hole Dia	16	19	19	19	19	22	22	25	25	28	28
PCD	98	121	140	152	190	241	298	362	432	476	540
J	152	203	203	254	305	356	356	408	457	508	559
Wgt. Kg											
Qty.											

Tag No.

Code

WCB

Material

ASTM A 216

Specification

WCB

Test Pressure

Shell (Hydrostatic)

30 Kg / cm<sup>2</sup>

Seat (Hydrostatic)

21 Kg / cm<sup>2</sup>

Seat (Air)

5.5 Kg / cm<sup>2</sup>

(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

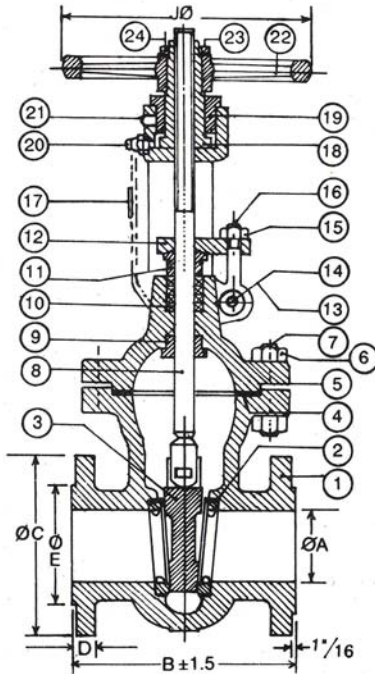
# AMCO INDUSTRIAL VALVES



Gate Valve Class - 300

DATE: 13 - 06 - 07

REF: DRG. NO GTV - 300



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
No	Part Name	Qty	Material Specification

**Primary Service Rating**

Class	Pressure	Temperature
300	300 PSIG / 53 Kg / cm <sup>2</sup> (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 / cm<sup>2</sup>

Seat (Hydrostatic) 53 Kg / cm<sup>2</sup>

Seat (Air) 5.5 Kg / cm<sup>2</sup>

(All Dimensions in mm)

Customer \_\_\_\_\_

Order No: \_\_\_\_\_

Job / Project \_\_\_\_\_

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

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