

| INCH.  | MM  | PER PC.     |
|--------|-----|-------------|
| 1/2"   | 15  | Rs. 600/-   |
| 3/4"   | 20  | Rs. 800/-   |
| 1"     | 25  | Rs. 1200/-  |
| 1 1/4" | 32  | Rs. 1800/-  |
| 1 1/2" | 40  | Rs. 2400/-  |
| 2"     | 50  | Rs. 3600/-  |
| 2 1/2" | 65  | Rs. 5400/-  |
| 3"     | 80  | Rs. 8800/-  |
| 4"     | 100 | Rs. 16000/- |
| 5"     | 125 | Rs. 32000/- |

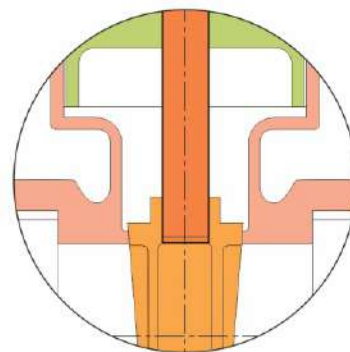
HSN CODE : 84818090



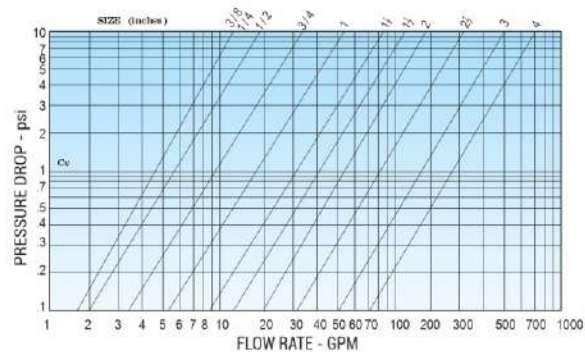
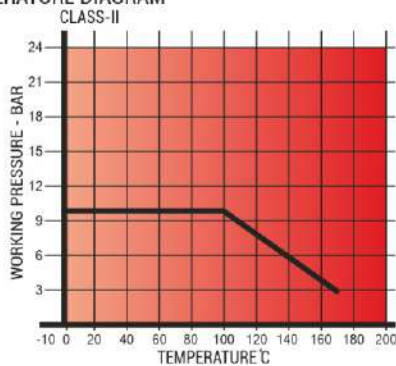
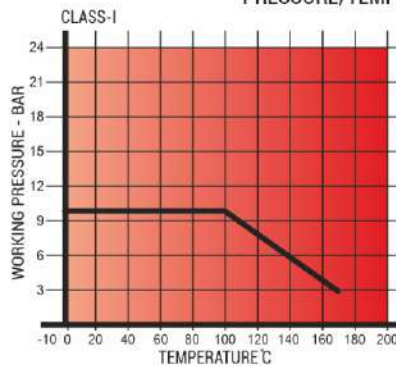
- Item Code: IS 001 & IS 007
- Pressure Rating: CL-1 & CL-2
- Testing Standard: IS 6157
- Size Range: 8mm to 100mm
- Product Standard: IS 778

## GATE VALVE

- BODY 1
- WEDGE 2
- STEM 3
- BONNET 4
- STUFFING BOX 5
- PACKING 6
- GLAND 7
- GLAND NUT 8
- HAND WHEEL 9
- WASHER 10
- SET SCREW 11



PRESSURE/TEMPERATURE DIAGRAM



## PRINCIPAL FEATURES

- Design Std.: IS:778.
- Screwed in bonnet, inside screw non-rising stem, integral seat.
- Screwed female parallel threads to IS:554.
- Heavy duty full bore long threads.
- Extra strength of stem with high tensile brass.
- Provision for repacking under pressure in the installed condition.
- Sheet metal handwheel offers better strength & convenient operation.
- Easy visual control of open / closed position marked on the handwheel / name plate
- Available with open-shut indicator & locking arrangement on request.

## END CONNECTION

- Screwed female threads IS:554 (Parallel).

## UTILISATION & SERVICE

- "SHREE" Gun Metal Gate valves are suitable for above-ground installations.
- Best suited for potable water, treated fresh water, neutral liquids, Air & some gases.

## PRESSURE RATING: CL-1 & CL-2

### TEST PRESSURE (Hydrostatic)

| CLASS - 1            |                    |
|----------------------|--------------------|
| BODY                 | SEAT               |
| 1.5 Mpa (217.5 psig) | 1.0 Mpa (145 psig) |

## WORKING PRESSURE

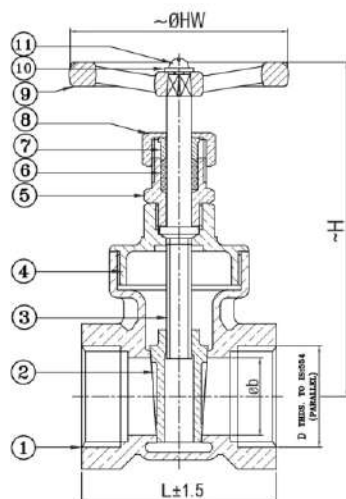
- Maximum Working Pressure: (Class-I) 10 Bar, (Class-II) 16 Bar.
- See Pressure / Temperature Diagram.

## TEMPERATURE LIMITS

- Maximum working temperature: 45°C.
- See Pressure / Temperature Diagram.

### TEST PRESSURE (Hydrostatic)

| CLASS - 2          |                    |
|--------------------|--------------------|
| BODY               | SEAT               |
| 2.4 Mpa (348 psig) | 1.6 Mpa (232 psig) |



## SUITABLE FOR WATER

### DIMENSION TABLE

| SIZE (mm)        | 8     | 10    | 15    | 20    | 25    | 32     | 40     | 50    | 65     | 80    | 100   |
|------------------|-------|-------|-------|-------|-------|--------|--------|-------|--------|-------|-------|
| L                | 50    | 50    | 60    | 60    | 70    | 80     | 90     | 100   | 105    | 125   | 160   |
| Ob               | 10    | 10    | 15    | 20    | 25    | 32     | 40     | 50    | 65     | 80    | 100   |
| D                | 1/4"  | 3/8"  | 1/2"  | 3/4"  | 1"    | 1-1/4" | 1-1/2" | 2"    | 2-1/2" | 3"    | 4"    |
| ~H               | 90    | 90    | 96    | 106   | 118   | 128    | 147    | 164   | 211    | 279   | 352   |
| ~ØHW             | 48    | 48    | 60    | 60    | 70    | 90     | 92     | 103   | 130    | 153   | 165   |
| Item Code (CL-1) | IS001 | IS001 | IS001 | IS001 | IS001 | IS001  | IS001  | IS001 | IS001  | IS001 | IS001 |
| Item Code (CL-1) | IS007 | IS007 | IS007 | IS007 | IS007 | IS007  | IS007  | IS007 | IS007  | IS007 | IS007 |

## MATERIAL SPECIFICATION

| P.NO. | NAME OF PART | MATERIAL                                                | SPECIFICATION                     |
|-------|--------------|---------------------------------------------------------|-----------------------------------|
| 1     | BODY         | LEADED TIN BRONZE                                       | IS 318 Gr. LTB2                   |
| 2     | WEDGE        | LEADED TIN BRONZE/FORGED BRASS                          | IS 318 Gr. LTB2/IS 6912 Gr. FLB   |
| 3     | STEM         | HIGH TENSILE BRASS                                      | IS 6912 Gr. FHTB1                 |
| 4     | BONNET       | LEADED TIN BRONZE/FORGED BRASS                          | IS 318 Gr. LTB2/IS 6912 Gr. FLB   |
| 5     | STUFFING BOX | LEADED TIN BRONZE/BRASS ROD                             | IS 318 Gr. LTB2/IS 6912 Gr. FHTB1 |
| 6     | PACKING      | HEMP & JUTE/ASBESTOS                                    | IS 5414/IS 4687                   |
| 7     | GLAND        | LEADED TIN BRONZE/BRASS ROD                             | IS 318 Gr. LTB2/IS 6912 Gr. FHTB1 |
| 8     | GLAND NUT    | LEADED TIN BRONZE/BRASS ROD                             | IS 318 Gr. LTB2/IS 6912 Gr. FHTB1 |
| 9     | HAND WHEEL   | CAST IRON (IS 210 Gr. FG200)/M.S.SHEET (POWDER COATING) |                                   |
| 10    | WASHER       | CARBON STEEL                                            |                                   |
| 11    | SET SCREW    | CARBON STEEL                                            | IS 1367                           |

Note: The above data is subject to change without notice due to our continuing product improvement program.