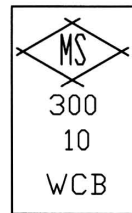


Marking(EX.)



|                                 |             |      |      |                                 |                 |
|---------------------------------|-------------|------|------|---------------------------------|-----------------|
|                                 |             |      |      | Nominal Pressure                | CLASS 300       |
|                                 |             |      |      | Test Press. of Shell            | 7.8 MPa         |
|                                 |             |      |      | Test Press. of Seat             | 5.7 MPa         |
| No.                             | DESCRIPTION | DATE | SIGN | Max. Working Temp.              | 425 °C          |
|                                 |             |      |      | Apply Medium                    | Water Steam Oil |
| Design and Manufacture Standard |             |      |      |                                 |                 |
|                                 |             |      |      | Design and Manufacture Standard | API 600         |
|                                 |             |      |      | Inspection and Test Standard    | API 598         |
|                                 |             |      |      | Face to Face Dimension          | ASME B16.10     |
|                                 |             |      |      | Flange Dimension                | ASME B16.5      |

|    |               |              |    |                 |
|----|---------------|--------------|----|-----------------|
| 26 | GREASE NIPPLE | Steel        | 1  |                 |
| 25 | SET SCREW     | A193-B7      | 1  |                 |
| 24 | LANTERN RING  | A182-F6a     | 1  |                 |
| 22 | HANDLE NUT    | CARBON S.    | 1  |                 |
| 21 | HANDWHEEL     | Ductile Iron | 1  |                 |
| 20 | SLEEVE NUT    | CARBON S.    | 1  |                 |
| 19 | SLEEVE        | A439-D2      | 1  |                 |
| 18 | BEARING       | Commercial   | 2  |                 |
| 17 | YOKE          | A216-WCB     | 1  |                 |
| 16 | NUT           | A194 2H      | 2  |                 |
| 15 | EYE BOLT      | A193 B7      | 2  |                 |
| 14 | GLAND FLANGE  | A216-WCB     | 1  |                 |
| 13 | GLAND         | A182-F6a     | 1  |                 |
| 12 | YOKE BOLT     | A193 B7      | 4  |                 |
| 11 | YOKE BOLT NUT | A194 2H      | 4  |                 |
| 10 | PACKING       | Graphite     | 1s | T#2205+2250 Wq. |
| 9  | BACK SEAT     | A182-F6a     | 1  |                 |
| 8  | BONNET        | A216-WCB     | 1  |                 |
| 7  | GASKET        | Graphite     | 1  | Spiral Wound    |
| 6  | BONNET BOLT   | A193 B7      |    |                 |
| 5  | BONNET NUT    | A194 2H      |    |                 |
| 4  | STEM          | A182-F6a     | 1  |                 |
| 3  | DISC          | A216-WCB     | 1  | Stellite Faced  |
| 2  | SEAT RING     | A105         | 2  | Stellite Faced  |
| 1  | BODY          | A216-WCB     | 1  |                 |

| PART NO.                        | PART NAME | MATERIAL | Q'TY | REMARK |
|---------------------------------|-----------|----------|------|--------|
| CAST STEEL ASME B16.5 Class 300 |           |          |      |        |
| MANUAL OPERATED GATE VALVE      |           |          |      |        |
| OUTSIDE SCREW STEM              |           |          |      |        |
| SIZE 10B-12B                    |           |          |      |        |
| SCALE                           |           |          |      |        |

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| APPROVED BY | CHECKED BY  | DRAWN BY    | DRAWING No. |
| F.Makimura  | M.Toyama    | H.Hosoi     | HCH010393   |
| MAY.16.2009 | MAY.16.2009 | MAY.16.2009 |             |


**MAKIMURA MFG CO LTD**  
 HIKONE SHIGA JAPAN

Unit: mm

| SIZE B (A) | d   | L   | ASME B16.5 Class 300 FLANGE |       |     |    |     |       | H    | W   | Weight (kg) | REMARK |
|------------|-----|-----|-----------------------------|-------|-----|----|-----|-------|------|-----|-------------|--------|
|            |     |     | D                           | C     | g   | t  | f   | n-φh  |      |     |             |        |
| 10*(250)   | 254 | 457 | 445                         | 387.5 | 324 | 48 | 1.6 | 16-29 | 1240 | 450 | 334         |        |
| 12*(300)   | 305 | 502 | 521                         | 451   | 381 | 51 | 1.6 | 16-32 | 1425 | 500 | 450         |        |