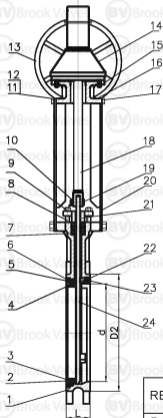
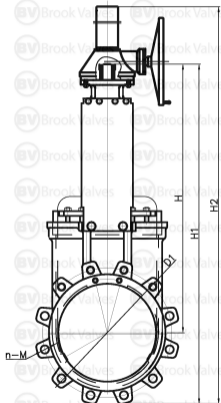


| SIZE | L | D1 | | | D2 | | | d | H | H1 | H2 | n-M * FULL LUG | | |
|------|-----|-----|-----|----------|-----|-----|----------|------|------|------|----------|----------------|-------------------|----------|
| | | T/D | T/E | ANSI 150 | T/D | T/E | ANSI 150 | | | | | TABLE D | TABLE E | ANSI 150 |
| 450 | 89 | 584 | 578 | 532 | 538 | 538 | 460 | 1184 | 1498 | 1954 | 12 - M24 | 16 - M24 | 16 - 1 1/8" - UNC | |
| 500 | 114 | 641 | 635 | 609 | 609 | 584 | 510 | 1300 | 1650 | 2130 | 16 - M24 | 16 - M24 | 20 - 1 1/8" - UNC | |
| 600 | 114 | 756 | 749 | 717 | 717 | 692 | 610 | 1510 | 1900 | 2461 | 16 - M27 | 16 - M30 | 20 - 1 1/4" - UNC | |



| NO | PART NAME | MATERIAL |
|----|---------------|--------------|
| 1 | BODY | A351 CF8M |
| 2 | SEAT | SS316+Cr |
| 3 | SEALING COVER | A351 CF8M |
| 4 | O-RING | NBR |
| 5 | O-RING | NBR |
| 6 | HEX STUD | A193 B8 |
| 7 | PACKING | PTFE |
| 8 | STUD | A193 B8 |
| 9 | HEX SCREW | A193 B8 |
| 10 | SPLIT PIN | SS304 |
| 11 | WASHER | SS304 |
| 12 | HEX SCREW | A193 B8 |
| 13 | HANDWHEEL | DUCTILE IRON |
| 14 | BEVEL GEAR | COMBINATION |
| 15 | HEX BOLT | A193 B8 |
| 16 | BEARING BLOCK | ZG25 |
| 17 | STEM NUT | A439 D2 |
| 18 | STEM | SS304 |
| 19 | ROUND PIN | SS304 |
| 20 | PLATE YOKE | SS304 |
| 21 | PACKING COVER | A351 CF8M |
| 22 | RETAINER | PTFE |
| 23 | HEX SCREW | A193 B8 |
| 24 | DISC | SS316+Cr |

| | | | |
|------------------|----------------|-------------------|-------------------|
| DESIGN & MFT | MSS SP-81 | ENDS CONNECTION | FULL LUGGED |
| PRE-TEMP. RATING | ISO 7005-1 | INSPECT & TEST | MSS SP-81-2001 |
| F-F DIMENSION | MSS SP-81-2001 | FLANGED DIMENSION | BS D/E, ASME 150# |
| MARKING | MSS-SP-25 | TEST PRESSURE | MSS SP-81 |
| PAINTING | N/A | | |

| | | | |
|--|---------------------|-------------------------------------|--|
| REV A | BROOK VALVES | | |
| DATE | MAY 2012 | BKGV - METAL RATED 10 BAR | |
| SCALE | TO FIT | | |
| 316 SS BODY & GATE LUGGED 316 SEAT KNIFE GATE VALVE | | | |