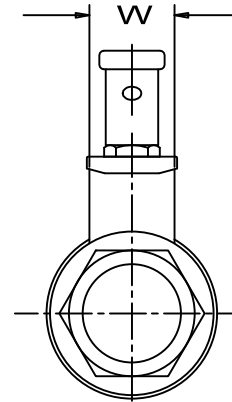
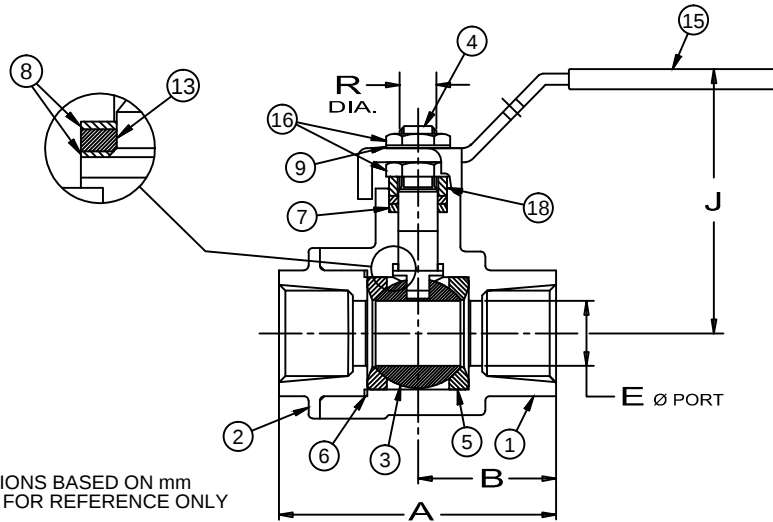
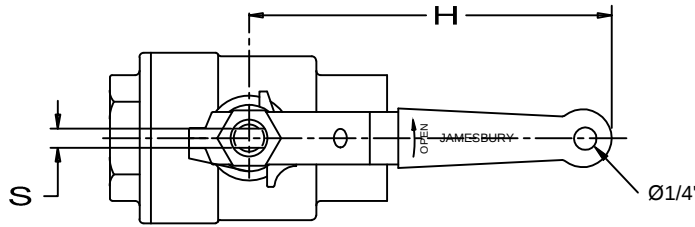


| REV | DATE    | BY | CHKD | APP'D | DATE |
|-----|---------|----|------|-------|------|
| A   | 4/10/95 |    |      | BC    | BW   |



# MATERIALS LIST:

| P/N | QTY | PART NAME         | B260J-1           | B260J-3  |
|-----|-----|-------------------|-------------------|----------|
| 1   | 1   | BODY              | A351-CF8M         | A216-WCB |
| 2   | 1   | BODY CAP          | A351-CF8M         | A216-WCB |
| 3   | 1   | BALL              | 316 SS            | 316 SS   |
| 4   | 1   | STEM              | 316 SS            | 316 SS   |
| 5   | 2   | SEAT              | PTFE/ FILLED PTFE |          |
| 6   | 1   | BODY SEAL         | PTFE              |          |
| 7   | 2   | STEM SEAL         | PTFE              | PTFE     |
| 8   | 2   | STEM BEARING      | PTFE/ FILLED PTFE |          |
| 9   | 1   | SHAKEPROOF WASHER | 304 SS            | 304 SS   |
| 13  | 1   | 2ND STEM SEAL     | GRAPHITE          |          |
| 15  | 1   | HANDLE            | 304 SS            | A283 CS  |
| 16  | 2   | STEM NUT          | 304 SS            | 304 SS   |
| 18  | 1   | COMPRESSION RING  | 304 SS            | 304 SS   |

NOTE: DIMENSIONS BASED ON mm  
INCHES FOR REFERENCE ONLY

## DIMENSIONS: INCHES/ mm

| NPS<br>DN | A      | B     | E     | J     | H     | R    | S    | W    |
|-----------|--------|-------|-------|-------|-------|------|------|------|
| 1/2"      | 2.36   | 1.18  | .50   | 2.20  | 4.00  | .31  | .18  | .75  |
| 15.0      | 60.0   | 30.08 | 12.7  | 56.0  | 101.6 | 7.87 | 4.57 | 19.0 |
| 3/4"      | 3.24   | 1.58  | .88   | 3.00  | 5.50  | .50  | .31  | .88  |
| 20.0      | 82.2   | 40.12 | 22.35 | 76.1  | 139.7 | 12.7 | 7.87 | 22.3 |
| 1"        | 3.62   | 1.81  | 1.00  | 3.13  | 5.50  | .50  | .31  | .88  |
| 25.0      | 91.9   | 45.95 | 25.4  | 79.5  | 139.7 | 12.7 | 7.87 | 22.3 |
| 1 1/4"    | 4.01   | 2.00  | 1.25  | 3.84  | 6.00  | .63  | .37  | .98  |
| 32.0      | 101.8  | 50.81 | 31.75 | 97.5  | 152.4 | 16.0 | 9.4  | 25.0 |
| 1 1/2"    | 4.57   | 2.28  | 1.50  | 4.02  | 6.00  | .63  | .37  | .98  |
| 40.0      | 116.0  | 58.01 | 38.1  | 102.0 | 152.4 | 16.0 | 9.4  | 25.0 |
| 2"        | 5.04   | 2.52  | 2.00  | 4.61  | 6.00  | .63  | .37  | .98  |
| 50.0      | 127.94 | 63.97 | 50.8  | 117.0 | 152.4 | 16.0 | 9.4  | 25.0 |

## 1/2" - 2" BALL VALVE

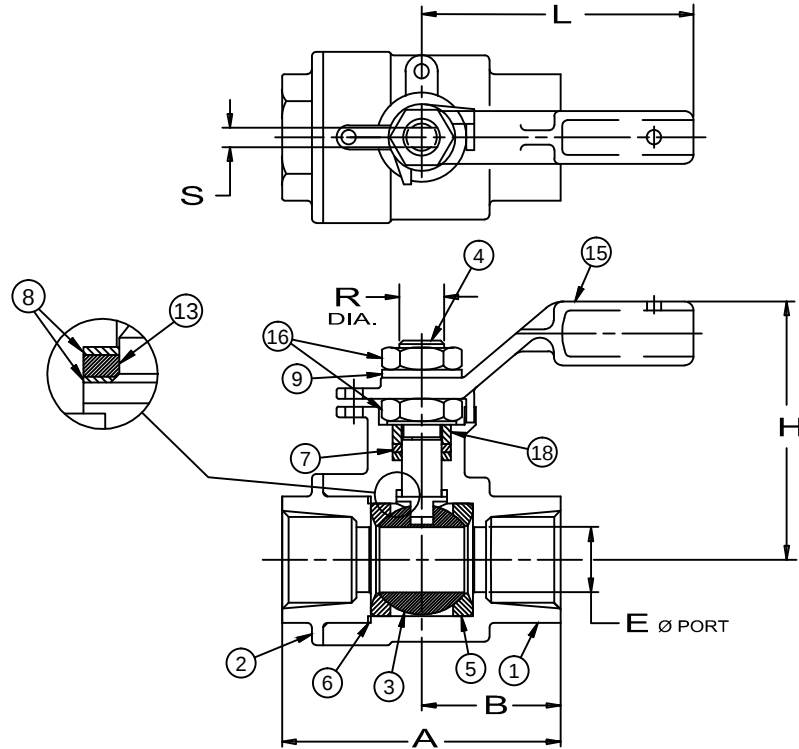


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WITH ASME Y14.2M 2003  
ANGLES = 45° FINISH = 320

| MATERIAL<br>CODE | MATERIAL<br>TYPE | MATERIAL SPECIFICATIONS | IDENT.<br>MARK  |
|------------------|------------------|-------------------------|-----------------|
|                  |                  | DO NOT SCALE DRAWING    | SCALE<br>NONE   |
|                  |                  |                         | DATE<br>4-16-94 |
|                  |                  |                         | ECB             |
|                  |                  |                         | DATE<br>4-16-94 |
|                  |                  |                         | REV<br>A        |

METSO AUTOMATION USA, INC.  
SHREWSBURY, MASSACHUSETTS

| LET | ECN   | REVISION                  | DRAWN | APPROV. | DATE   |
|-----|-------|---------------------------|-------|---------|--------|
| A   | 41035 | REDRAWN AND ADDED SHEET 2 | BC    | BW      | 1-1-10 |



### MATERIALS LIST:

| P/N | QTY | PART NAME         |
|-----|-----|-------------------|
| 1   | 1   | BODY              |
| 2   | 1   | BODY CAP          |
| 3   | 1   | BALL              |
| 4   | 1   | STEM              |
| 5   | 2   | SEAT              |
| 6   | 1   | BODY SEAL         |
| 7   | 2   | STEM SEAL         |
| 8   | 2   | STEM BEARING      |
| 9   | 1   | SHAKEPROOF WASHER |
| 13  | 1   | 2ND STEM SEAL     |
| 15  | 1   | HANDLE            |
| 16  | 2   | STEM NUT          |
| 18  | 1   | COMPRESSION RING  |

NOTE: DIMENSIONS BASED ON mm  
INCHES FOR REFERENCE ONLY

## 3" BALL VALVE

DIMENSIONS: INCHES/ mm

| NPS<br>DN | A     | B     | E     | H     | L     | R    | S    |
|-----------|-------|-------|-------|-------|-------|------|------|
| 3"        | 7.36  | 3.68  | 2.99  | 6.14  | 5.98  | 1.00 | .67  |
| 76.0      | 186.9 | 93.47 | 75.95 | 156.0 | 151.9 | 25.4 | 17.0 |

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ANSI/ASME B1.1-1989 (M)  
FINISH = 250  
ANGLES = 45°  
DO NOT SCALE DRAWING

| MATERIAL<br>CODE                                           | MATERIAL<br>TYPE     | MATERIAL SPECIFICATIONS | IDENT.<br>MARK |
|------------------------------------------------------------|----------------------|-------------------------|----------------|
| 1/2" - 3" 6FR FULL PORT<br>2 PCS BALL VALVE<br>SCREWED END | DO NOT SCALE DRAWING | SCALE<br>NONE           |                |
| TITLE:                                                     | DO NOT SCALE DRAWING | DATE<br>4/14/94         |                |
| 1/2" - 3" 6FR FULL PORT<br>2 PCS BALL VALVE<br>SCREWED END | DO NOT SCALE DRAWING | DATE<br>4/14/94         |                |
| SIZE<br>D                                                  | DWG NO.<br>S 5110    | REV<br>A                |                |

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