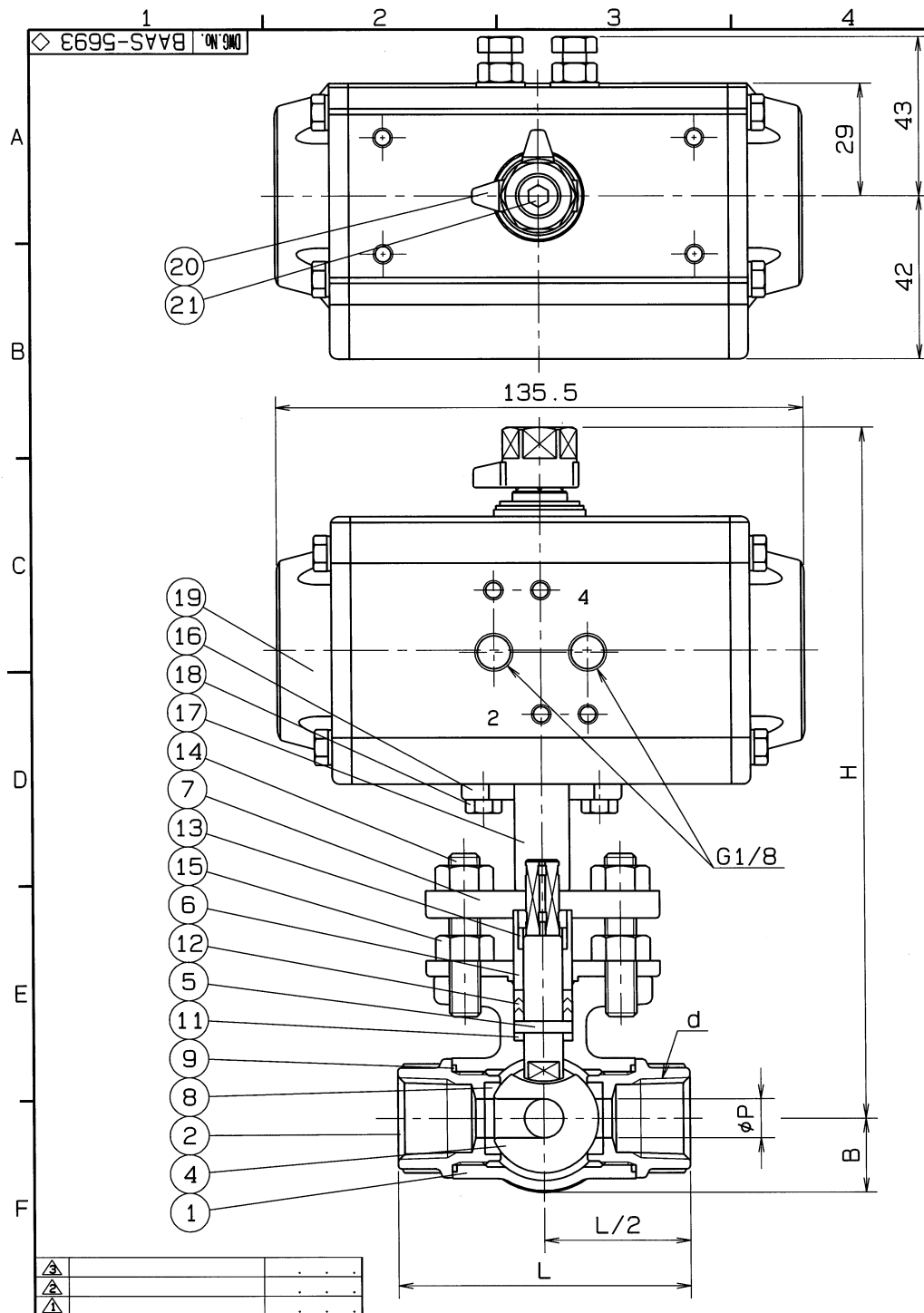
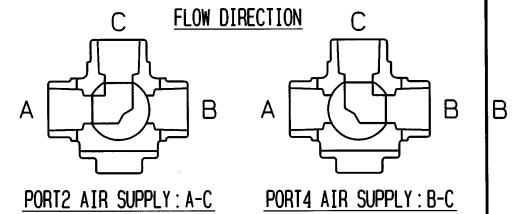




| 6    |    |    | 7            |     |    |    | 8   |               |       |
|------|----|----|--------------|-----|----|----|-----|---------------|-------|
| SIZE | P  | L  | PIPE THREADS |     | A  | B  | H   | CYLINDER SIZE | Q, TY |
|      |    |    | d            |     |    |    |     |               |       |
| 1/2  | 10 | 75 | Rc           | 1/2 | 39 | 19 | 179 | AT051UD       |       |
| 3/4  | 15 | 85 | Rc           | 3/4 | 43 | 23 | 183 | AT051UD       |       |

| SPEC.  |            | TEST PRESSURE |               |
|--------|------------|---------------|---------------|
| FLUID  | 清水         | SHELL         | HYDRO 2.1 MPa |
| PRESS. | 1.0 MPa 未満 | SEAT          | AIR 0.6 MPa   |
| TEMP.  | 常温         |               | AIR MPa       |

注) 上記の流体条件と異なる場合  
シリンダサイズが変更になる場合があります。

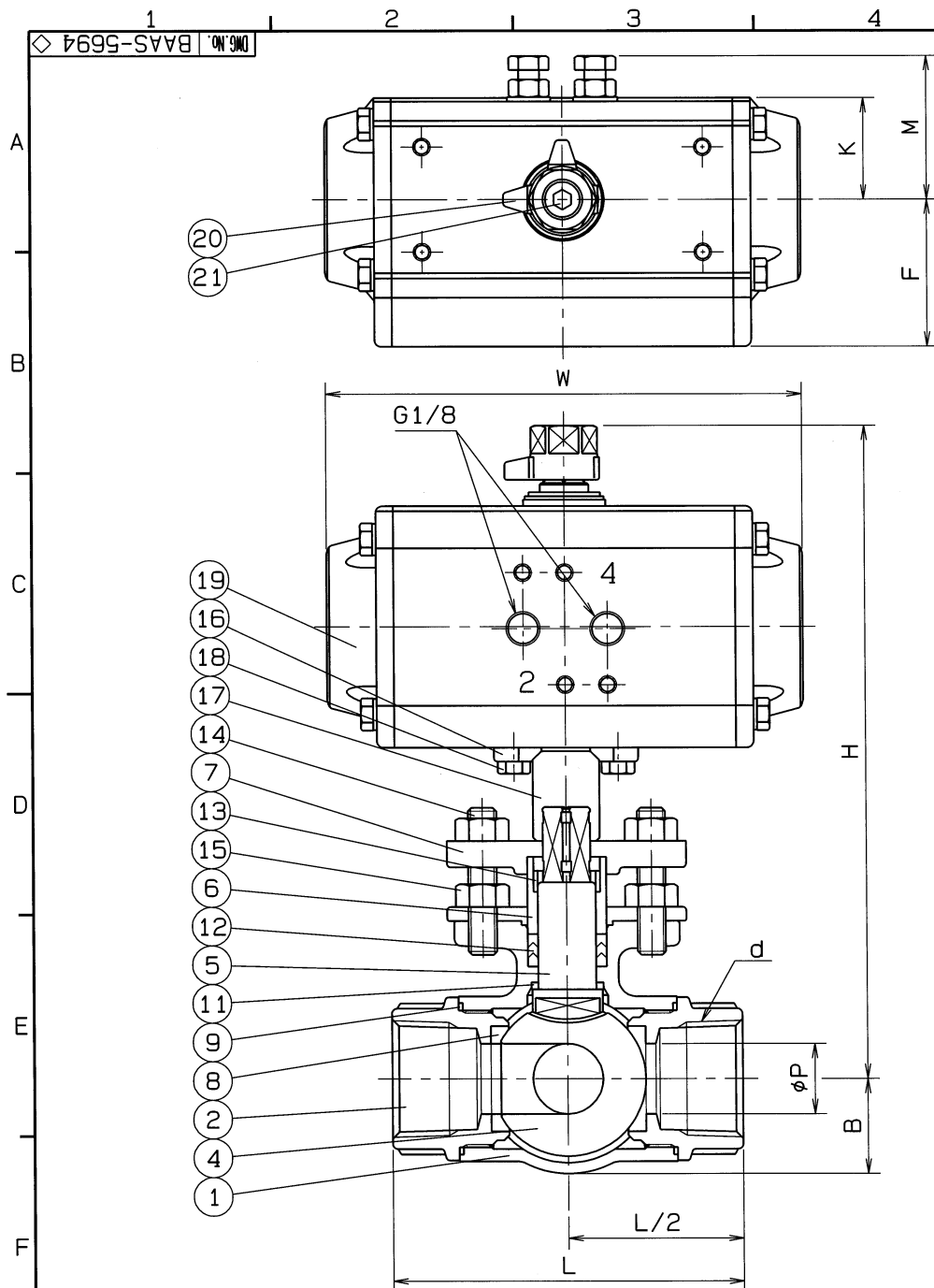


#### TORQUE CYLINDER

| TYPE            | ATUD    |                    |         |
|-----------------|---------|--------------------|---------|
| ACTION          | DOUBLE  | OPERATION PROPERTY | ON-OFF  |
| SUPPLY PRESSURE | 0.4 MPa | HAND DEVICE        | NOTHING |

PIPE THREADS CONFORM WITH 'JIS B 0203'

| No.                                                                  | NAME OF PARTS   | Q. TY       | MATERIALS  | REMARKS      |
|----------------------------------------------------------------------|-----------------|-------------|------------|--------------|
| 21                                                                   | CAP HEAD BOLT   | 1           | SUS 304    |              |
| 20                                                                   | INDICATOR       | 1           | SCS 13     |              |
| 19                                                                   | TORQUE CYLINDER | 1           |            |              |
| 18                                                                   | HEXAGON BOLT    | 4           | SUS 304    |              |
| 17                                                                   | COUPLING        | 1           | SCS 13     |              |
| 16                                                                   | BRACKET         | 1           | SCS 13     |              |
| 15                                                                   | HEXAGON NUT     | 4           | SUS 304    |              |
| 14                                                                   | GLAND BOLT      | 2           | SUS 304    |              |
| 13                                                                   | STEM BEARING    | 1           | P.T.F.E.   | GLASS FILLED |
| 12                                                                   | GLAND PACKING   | 1set        | P.T.F.E.   |              |
| 11                                                                   | THRUST BEARING  | 1           | P.T.F.E.   | GLASS FILLED |
| 10                                                                   | GASKET PACKING  | 1           | P.T.F.E.   |              |
| 9                                                                    | GASKET PACKING  | 2           | P.T.F.E.   |              |
| 8                                                                    | BALL SEAT       | 4           | P.T.F.E.   |              |
| 7                                                                    | GLAND           | 1           | SCS 13     |              |
| 6                                                                    | GLAND SLEEVE    | 1           | SUS 316    |              |
| 5                                                                    | STEM            | 1           | SUS 316    |              |
| 4                                                                    | BALL DISC       | 1           | SUS 316    |              |
| 3                                                                    | BLIND CAP       | 1           | SCS 14     |              |
| 2                                                                    | BODY CAP        | 2           | SCS 14     |              |
| 1                                                                    | BODY            | 1           | SCS 14     |              |
| NAME JIS 10K SCREWED ENDS TORQUE CYLINDER OPE. THREE WAY BALL VALVES |                 |             |            |              |
| TYPE                                                                 | N-730L-HY2      | SIZE        | 1/2, 3/4B  |              |
| ENG.No.                                                              | BAAS-5693       | APPROVED BY | H. Ogawa   |              |
| DATE                                                                 | JAN.22.2020     | CHECKED BY  | H. Ogawa   |              |
| SCALE                                                                |                 | DESIGNED BY | R. Matsuki |              |
| THIRD ANGLE PROJECTION METHOD                                        |                 | DRAWN BY    | T. Okamoto |              |
| O. N. INDUSTRIES LTD.                                                |                 |             |            |              |



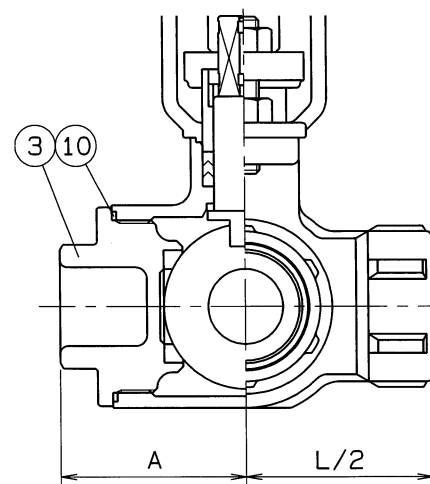
| 5     |    |     | 6            |       | 7    |      |     |       |      | 8    |    |               |       |
|-------|----|-----|--------------|-------|------|------|-----|-------|------|------|----|---------------|-------|
| SIZE  | P  | L   | PIPE THREADS |       | A    | B    | H   | W     | F    | K    | M  | CYLINDER SIZE | Q, TY |
|       |    |     | d            |       |      |      |     |       |      |      |    |               |       |
| 1     | 20 | 100 | Rc           | 1     | 49.5 | 27   | 187 | 135.5 | 42   | 29   | 43 | AT051UD       |       |
| 1 1/4 | 25 | 115 | Rc           | 1 1/4 | 57   | 33.5 | 207 | 153.5 | 48.5 | 36   | 50 | AT101UD       |       |
| 1 1/2 | 32 | 125 | Rc           | 1 1/2 | 65   | 40   | 252 | 203.5 | 50.5 | 42.5 | 60 | AT201UD       |       |
| 2     | 40 | 150 | Rc           | 2     | 76   | 44   | 258 | 203.5 | 50.5 | 42.5 | 60 | AT201UD       |       |

| SPEC.  |            | TEST PRESSURE |               |
|--------|------------|---------------|---------------|
| FLUID  | 清水         | SHELL         | HYDRO 2.1 MPa |
| PRESS. | 1.0 MPa 未満 | SEAT          | AIR 0.6 MPa   |
| TEMP.  | 常温         | AIR           | MPa           |

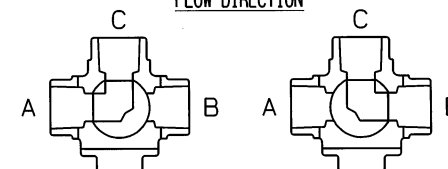
注) 上記の流体条件と異なる場合  
シリンダサイズが変更になる場合があります。

#### TORQUE CYLINDER

| TYPE            | ATUD    |                    |         |
|-----------------|---------|--------------------|---------|
| ACTION          | DOUBLE  | OPERATION PROPERTY | ON-OFF  |
| SUPPLY PRESSURE | 0.4 MPa | HAND DEVICE        | NOTHING |



#### FLOW DIRECTION



PORT2 AIR SUPPLY : A-C

PORT4 AIR SUPPLY : B-C

#### PIPE THREADS CONFORM WITH 'JIS B 0203'

|    |                 |   |          |              |
|----|-----------------|---|----------|--------------|
| 21 | CAP HEAD BOLT   | 1 | SUS 304  |              |
| 20 | INDICATOR       | 1 | SCS 13   |              |
| 19 | TORQUE CYLINDER | 1 |          |              |
| 18 | HEXAGON BOLT    | 4 | SUS 304  |              |
| 17 | COUPLING        | 1 | SCS 13   |              |
| 16 | BRACKET         | 1 | SCS 13   |              |
| 15 | HEXAGON NUT     | 4 | SUS 304  |              |
| 14 | GLAND BOLT      | 2 | SUS 304  |              |
| 13 | STEM BEARING    | 1 | P.T.F.E. | GLASS FILLED |
| 12 | GLAND PACKING   | 1 | P.T.F.E. |              |
| 11 | THRUST BEARING  | 1 | P.T.F.E. | GLASS FILLED |
| 10 | GASKET PACKING  | 1 | P.T.F.E. |              |
| 9  | GASKET PACKING  | 2 | P.T.F.E. |              |
| 8  | BALL SEAT       | 4 | P.T.F.E. |              |
| 7  | GLAND           | 1 | SCS 13   |              |
| 6  | GLAND SLEEVE    | 1 | SUS 316  |              |
| 5  | STEM            | 1 | SUS 316  |              |
| 4  | BALL DISC       | 1 | SUS 316  |              |
| 3  | BLIND CAP       | 1 | SCS 14   |              |
| 2  | BODY CAP        | 2 | SCS 14   |              |
| 1  | BODY            | 1 | SCS 14   |              |

| No.                           | NAME OF PARTS                                                   | Q. TY       | MATERIALS  | REMARKS |
|-------------------------------|-----------------------------------------------------------------|-------------|------------|---------|
| NAME                          | JIS 10K SCREWED ENDS TORQUE CYLINDER OPE. THREE WAY BALL VALVES |             |            |         |
| TYPE                          | N-730L-HY2                                                      | SIZE        | 1~2B       |         |
| ENG.No.                       | BAAS-5694                                                       | APPROVED BY | H. Ogura   |         |
| DATE                          | JAN. 22. 2020                                                   | CHECKED BY  | H. Ogura   |         |
| SCALE                         |                                                                 | DESIGNED BY | R. Matsuki |         |
| THIRD ANGLE PROJECTION METHOD |                                                                 | DRAWN BY    | T. Okamoto |         |

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