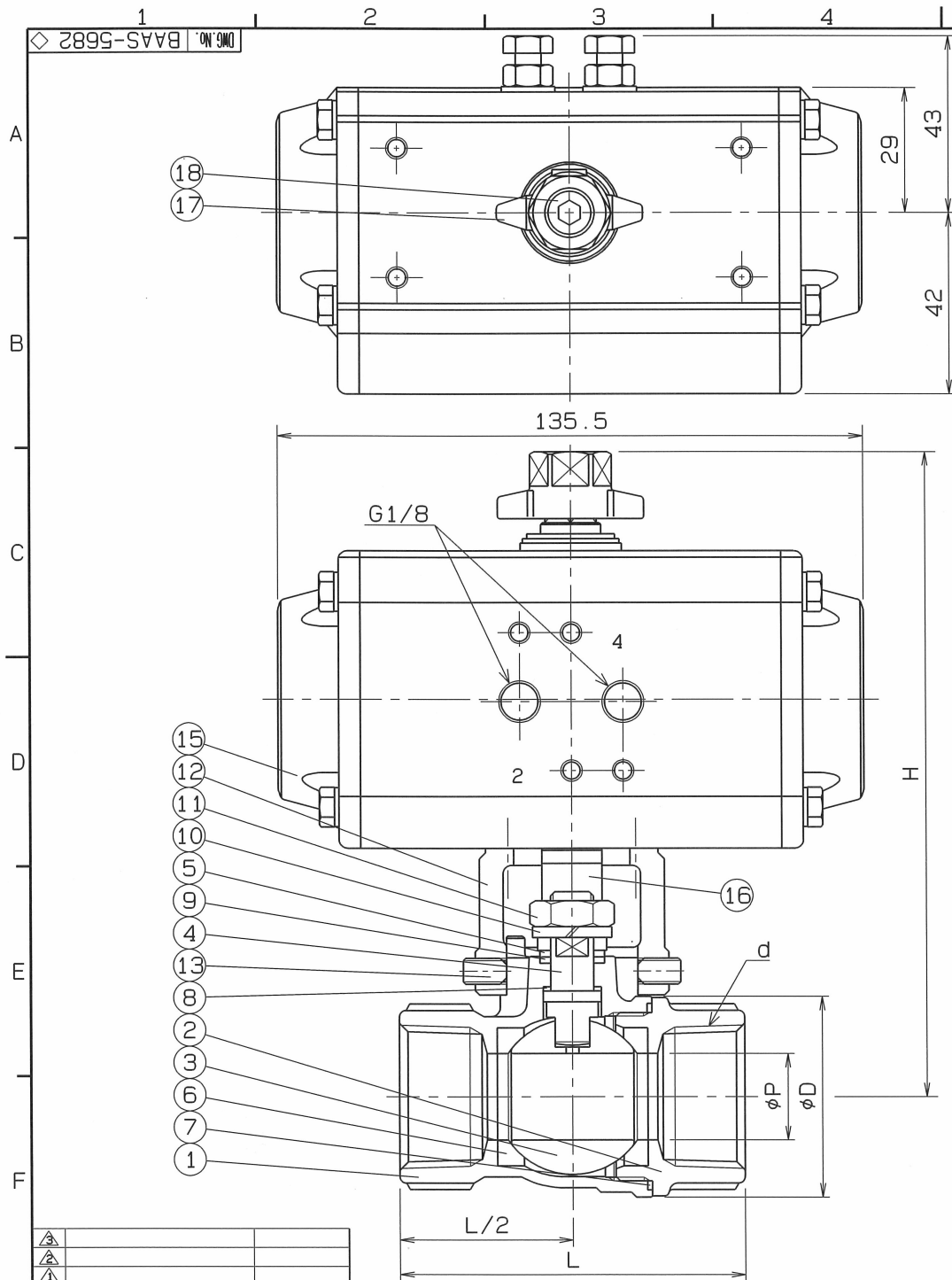




SIZE	P	L	PIPE THREADS		H	D	Q, Ty
			d				
3/8	8	55	Rc	3/8	142	27	
1/2	10	60	Rc	1/2	143	30	
3/4	15	70	Rc	3/4	147	38	
1	20	80	Rc	1	151	46.5	
1-1/4	25	90	Rc	1-1/4	156	56	

SPEC.		TEST PRESS.	
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	AT051UD		
ACTION	DOUBLE	OPERATION PROPERTY	ON-OFF
SUPPLY PRESSURE	0.4 MPa	HAND DEVICE	NOTHING

OPERATION

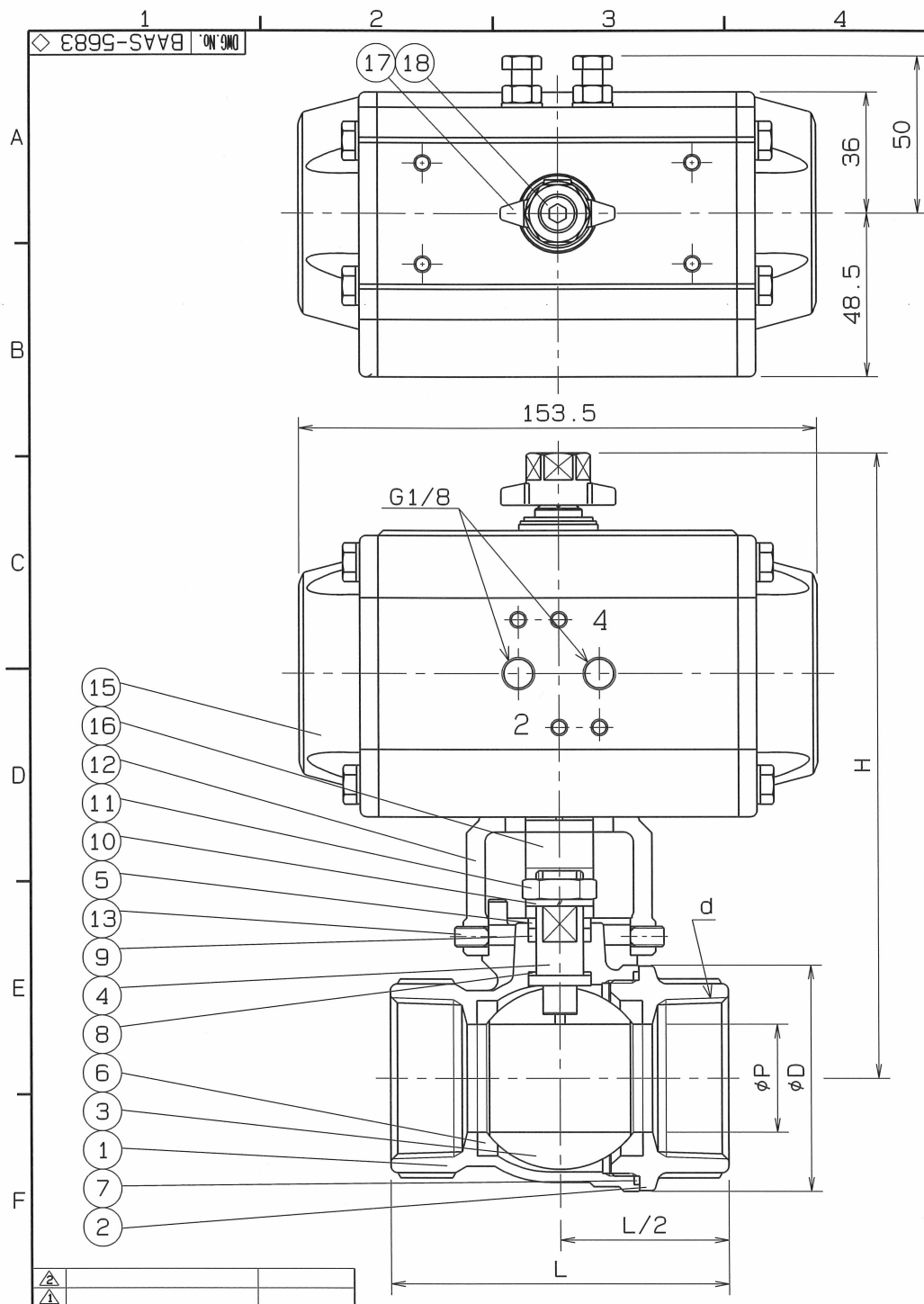
PORT2 AIR SUPPLY : LEFT TURN - VALVE OPEN
PORT4 AIR SUPPLY : RIGHT TURN - VALVE SHUT

PIPE THREADS CONFORM WITH "JIS B 0203" TAPER
No.3 3/8, 1/2B MATERIAL : SUS 304

18	CAP HEAD BOLT	1	SUS 304	
17	INDICATOR	1	SCS 13	
16	COUPLING	1	SCS 13	
15	TORQUE CYLINDER	1		
14	HEXAGON BOLT	4	SUS 304	
13	SET BOLT	4	SUS 304	
12	BRACKET	1	SCS 13	
11	HEXAGON NUT	1	SUS 304	
10	SPRING WASHER	1	SUS 304	
9	THRUST BEARING	1	P.T.F.E.	CARBON FILLED
8	THRUST PACKING	1	P.T.F.E.	CARBON FILLED
7	GASKET PACKING	1	P.T.F.E.	
6	BALL SEAT	2	P.T.F.E.	
5	GLAND	1	SUS 316	
4	STEM	1	SUS 316	
3	BALL DISC	1	SCS 14A	
2	BODY CAP	1	SCS 14	
1	BODY	1	SCS 14	

No.	NAME OF PARTS	Q.TY	MATERIALS	REMARKS
NAME JIS10K SCREWED ENDS (DOUBLE ACTION) CYLINDER OPERATED BALL VALVES				
TYPE	N-610HY2	SIZE	3/8~1-1/4B	
DMG.No.	BAAS-5682	APPROVED BY	H. Ogura	
DATE	JAN. 22. 2020	CHECKED BY	H. Ogura	
SCALE	:	DESIGNED BY	R. Matsuki	
THIRD ANGLE PROJECTION METHOD		DRAWN BY		

O. N. INDUSTRIES LTD.



7			8			
SIZE	P	L	PIPE THREADS	H	D	Q, TY
			d			
1.1/2	32	100	Rc 1.1/2	187	67	
2	40	120	Rc 2	193	80	

SPEC.		TEST PRESS.	
FLUID	清水	SHELL	WATER 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	AT101UD		
ACTION	DOUBLE	OPERATION PROPERTY	ON-OFF
SUPPLY PRESSURE	0.4 MPa	HAND DEVICE	NOTHING

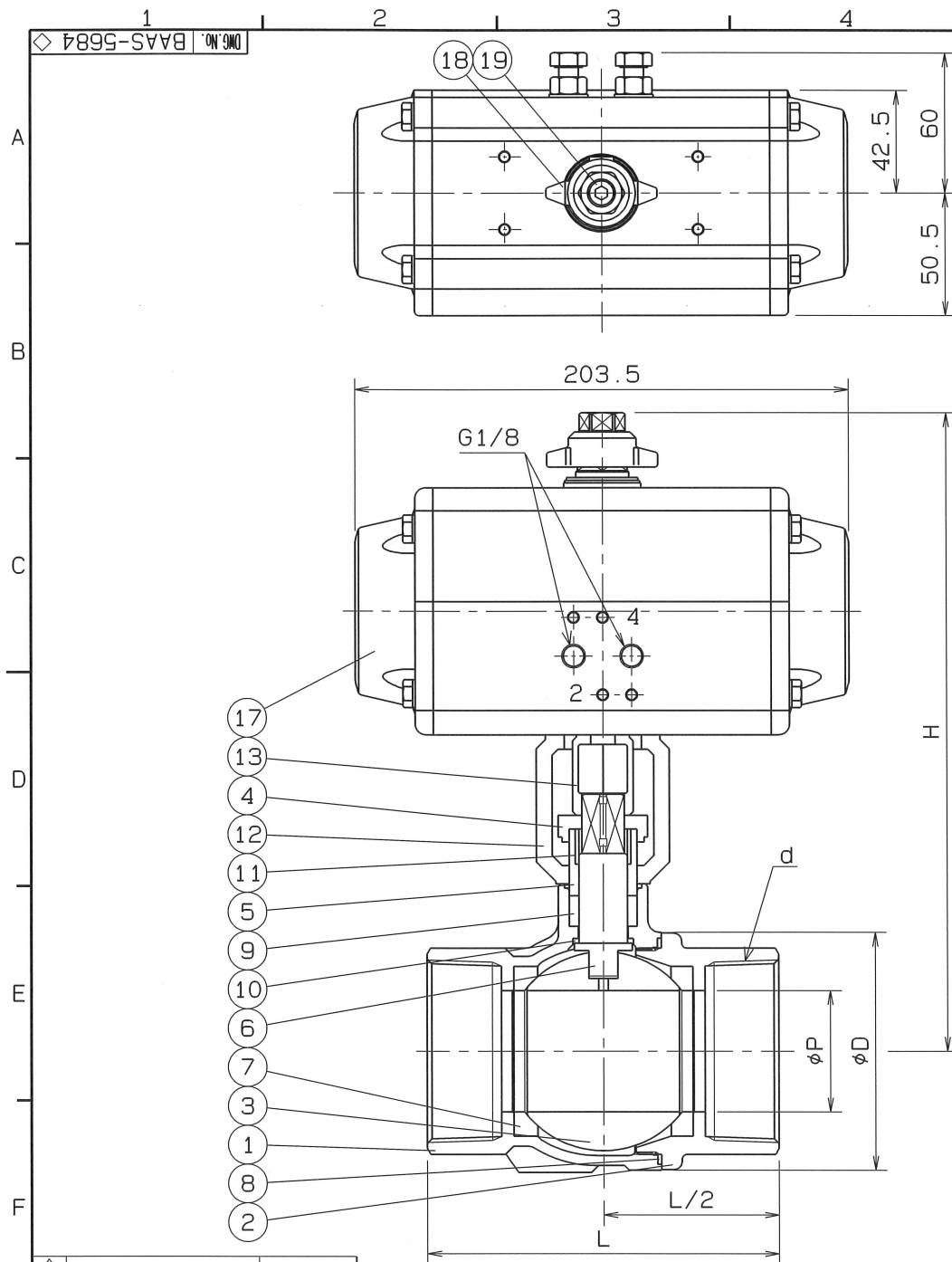
OPERATION

PORT2 AIR SUPPLY : LEFT TURN - VALVE OPEN
PORT4 AIR SUPPLY : RIGHT TURN - VALVE SHUT

PIPE THREADS CONFORM WITH "JIS B 0203" TAPER

18	CAP HEAD BOLT	1	SUS 304	
17	INDICATOR	1	SCS 13	
16	COUPLING	1	SCS 13	
15	TORQUE CYLINDER	1		
14	CAP HEAD BOLT	4	SUS 304	
13	SET BOLT	4	SUS 304	
12	BRACKET	1	SCS 13	
11	HEXAGON NUT	1	SUS 304	
10	CONICAL WASHER	2	SUS 304	
9	GLAND PACKING	1	P.T.F.E.	
8	THRUST PACKING	1	P.T.F.E.	CARBON FILLED
7	GASKET PACKING	1	P.T.F.E.	
6	BALL SEAT	2	P.T.F.E.	
5	GLAND	1	SUS 316	
4	STEM	1	SUS 316	
3	BALL DISC	1	SCS 14A	
2	BODY CAP	1	SCS 14	
1	BODY	1	SCS 14	
No.	NAME OF PARTS	Q.TY	MATERIALS	REMARKS
NAME	JIS10K SCREWED ENDS (DOUBLE ACTION) CYLINDER OPERATED BALL VALVES			
TYPE	N-610HY2	SIZE	1. 1/2, 2B	
DMG.No.	BAAS-5683 ◇	APPROVED BY	H. Ogura	
DATE	JAN.22.2020.	CHECKED BY	H. Ogura	
SCALE	:	DESIGNED BY	R. Matsuki	
THIRD ANGLE PROJECTION METHOD		DRAWN BY		

O. N. INDUSTRIES LTD.



SIZE	P	L	PIPE THREADS	H	D	S	Q, TY
			d				
2-1/2	50	145	Rc 2-1/2	263	98	85	
3	65	170	Rc 3	273	119	99	

SPEC.		TEST PRESS.	
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	AT201UD		
ACTION	DOUBLE	OPERATION PROPERTY	ON-OFF
SUPPLY PRESSURE	0.4 MPa	HAND DEVICE	NOTHING

OPERATION

PORT2 AIR SUPPLY : LEFT TURN - VALVE OPEN
PORT4 AIR SUPPLY : RIGHT TURN - VALVE SHUT

PIPE THREADS CONFORM WITH "JIS B 0203" TAPER

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

No.	NAME OF PARTS	Q.TY	MATERIALS	REMARKS
NAME JIS10K SCREWED ENDS (DOUBLE ACTION) CYLINDER OPERATED BALL VALVES				
TYPE	N-610HY2	SIZE	2-1/2, 3B	
DWG.No.	BAAS-5684	APPROVED BY	H. Ogura	
DATE	JAN. 22, 2020	CHECKED BY	H. Ogura	
SCALE	:	DESIGNED BY	R. Matsuki	
THIRD ANGLE PROJECTION METHOD		DRAWN BY		

O. N. INDUSTRIES LTD.