



WATERTIGHT SHIP DOOR W52 WITH CENTRAL LOCKING

ENTRADA Nº1/2011

N19/34.145

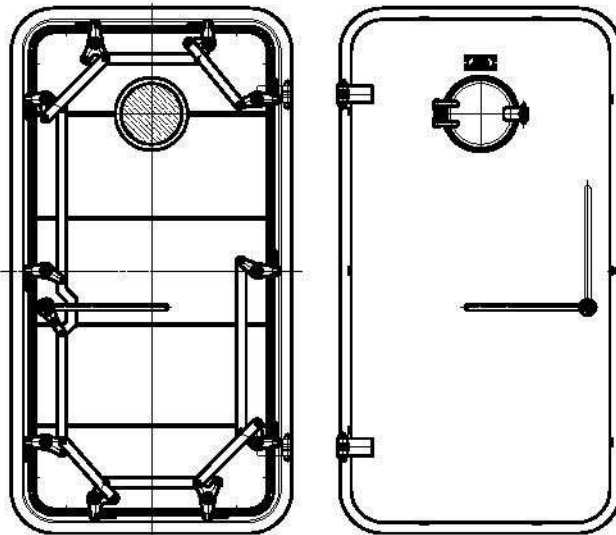
PAGE / PAGES

1 / 5

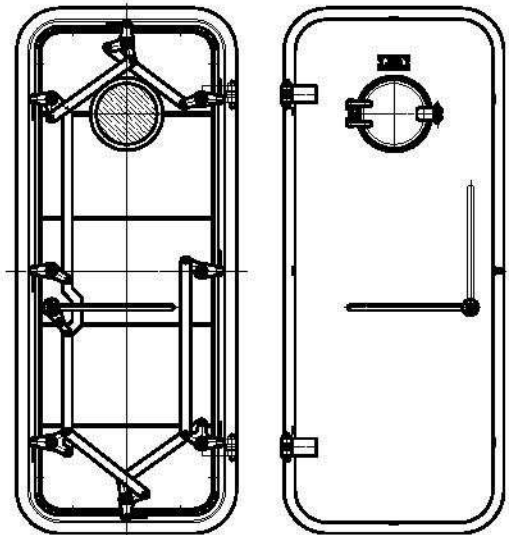
Watertight ship doors produced according to Load Line Convention 1966 and SOLAS Convention are designed to be mounted on steel or aluminium walls of the ship's superstructure. Door can withstand up to 0,79 bar (depending on size of the door) of hydrostatic pressure. Construction provides their gastightness in every execution.

TYPE HH

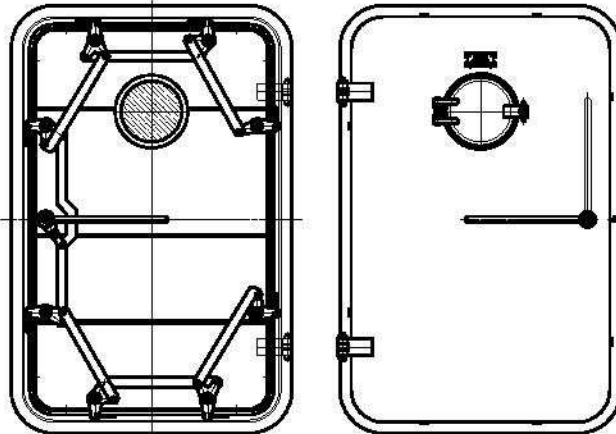
MODEL "3X2"



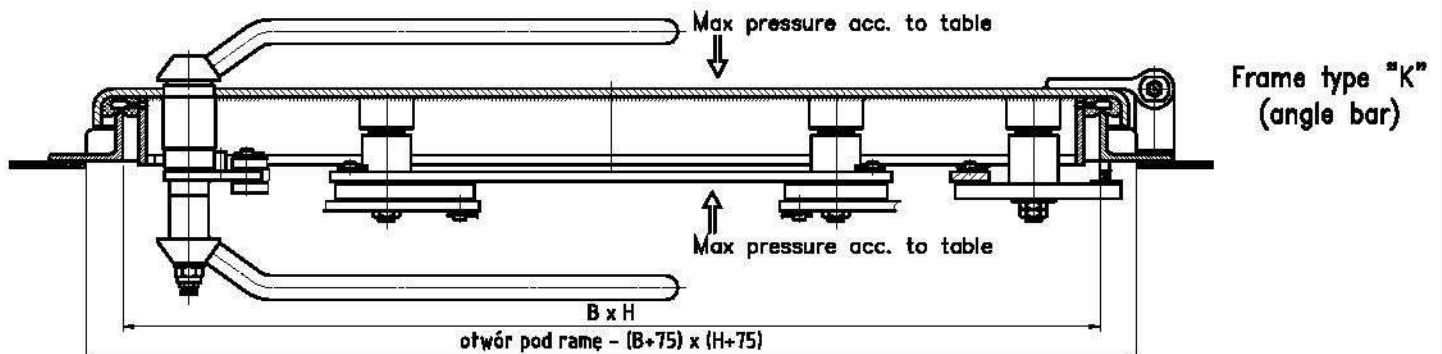
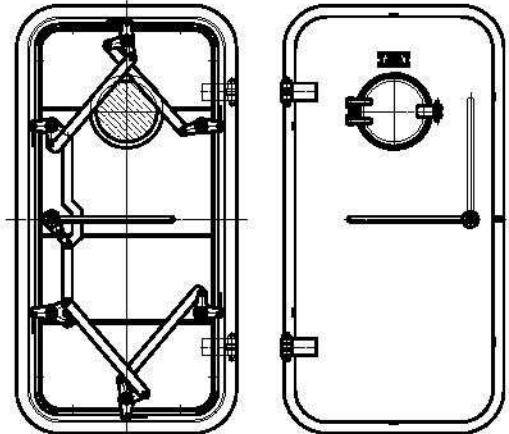
MODEL "3VIII1"



MODEL "2VIII2"



MODEL "2VI1"





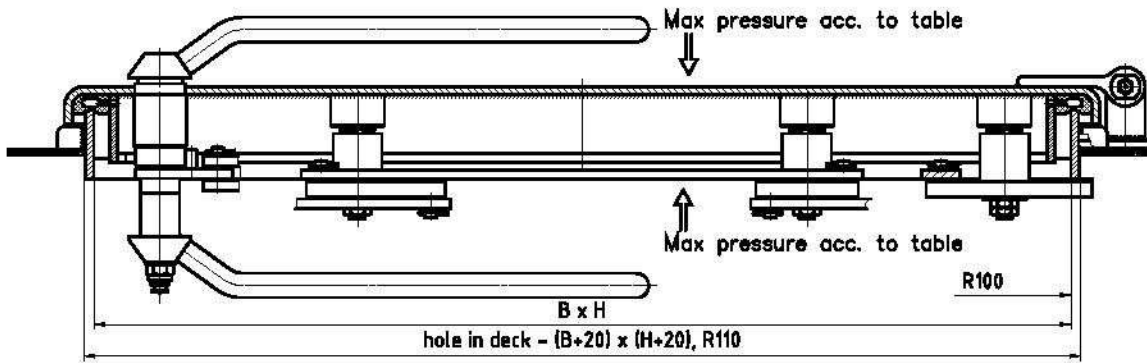
WATERTIGHT SHIP DOOR W52 WITH CENTRAL LOCKING

9/10/2011

N19/34.145

PAGE / PAGES

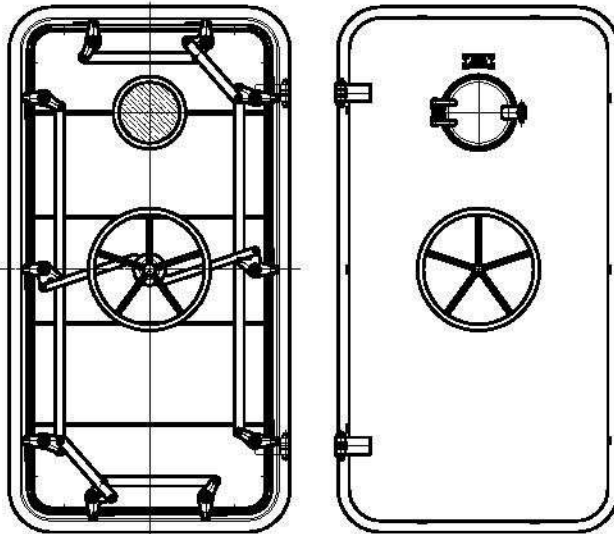
2 / 5



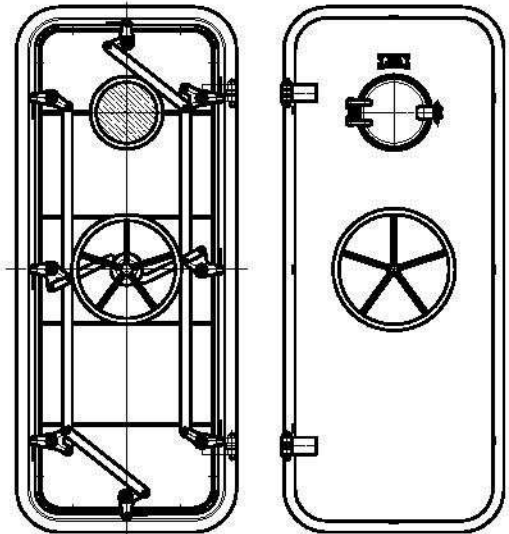
Frame type "P"
(flat bar)

TYPE WW

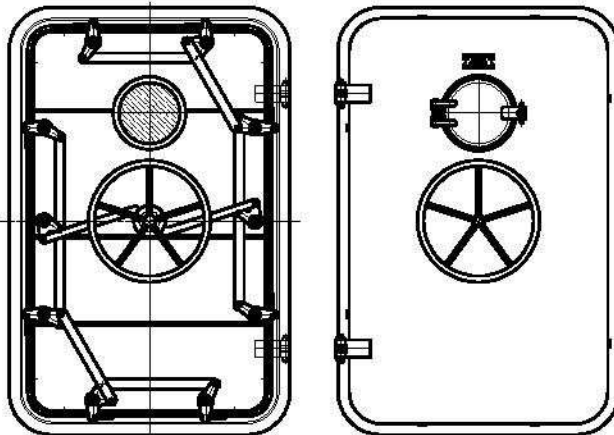
MODEL "3X2"



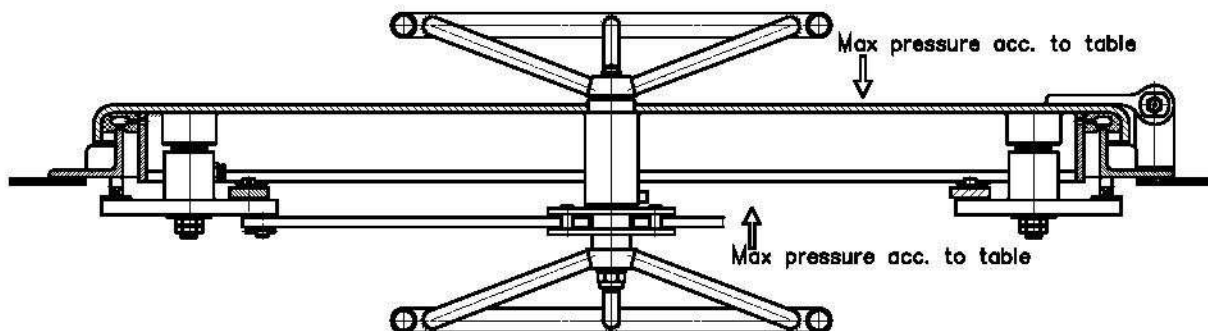
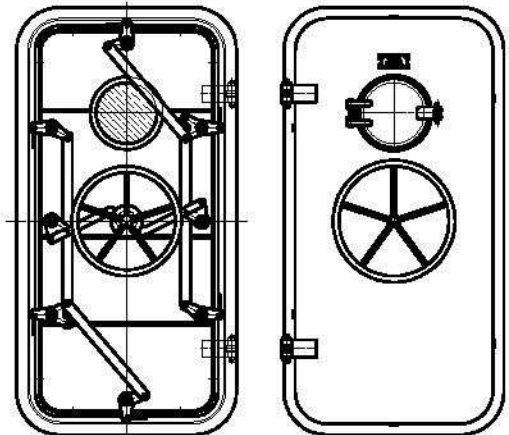
MODEL "3VIII1"



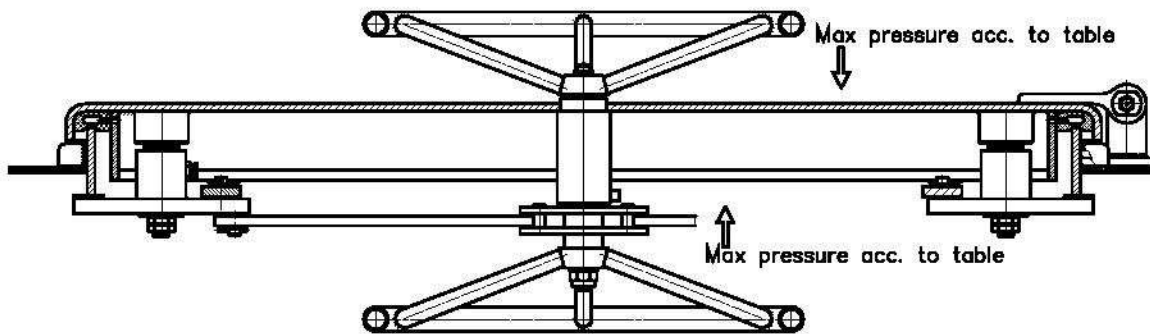
MODEL "2VIII2"



MODEL "2VI1"



Frame type "K"
(angle bar)



Frame type "P"
(flat bar)

Technical characteristic:

The leaf and the frame can be made of steel or stainless steel acc. to client's demands.

Closing mechanism elements are made of galvanized steel as standard.

All bolts of hinges and closures are made of stainless steel type 1.4571. Hinges are equipped with grease nipples M10x1 acc. to DIN 3404.

Doors are sealed with silicon cord of dimension 40x20 as standard.

Types and marking:

1. Door kind:

- L - left
- P - right



2. Degree of protection:

W52 - watertight door

3. Closing mechanism:

- HH - central locking with handle from both sides
- WW - central locking with wheel from both sides
- ROL - side closures with roll

4. Model:

- 3X2** - door equipped with 10 side closures
- 3VIII1** - door equipped with 8 side closures
- 2VIII2** - door equipped with 8 side closures
- 2VI1** - door equipped with 6 side closures

DIMENSION TO MODEL TABLE (Examples)

H height	B width / model / max permissible pressure outside and inside [BAR]								
	600	650	700	750	800	850	900	950	1000
1400	2VI1-0.65	2VI1-0.60	2VI1-0.55	2VI1-0.52	2VI1-0.47	2VIII2-0.42	2VIII2-0.37	2VIII2-0.33	2VIII2-0.30
1450	2VI1-0.72	2VI1-0.58	2VI1-0.48	2VI1-0.39	2VI1-0.33	2VIII2-0.42	2VIII2-0.37	2VIII2-0.33	2VIII2-0.30
1500	2VI1-0.72	2VI1-0.58	2VI1-0.48	2VI1-0.39	2VI1-0.33	2VIII2-0.40	2VIII2-0.35	2VIII2-0.32	2VIII2-0.29
1550	2VI1-0.72	2VI1-0.58	2VI1-0.48	2VI1-0.39	2VI1-0.33	2VIII2-0.38	2VIII2-0.34	2VIII2-0.30	2VIII2-0.27
1600	2VI1-0.72	2VI1-0.58	2VI1-0.48	2VI1-0.39	2VI1-0.33	2VIII2-0.36	2VIII2-0.32	2VIII2-0.29	2VIII2-0.26
1650	3VIII1-0.79	3VIII1-0.67	3VIII1-0.58	3VIII1-0.50	3VIII1-0.44	3X2-0.39	3X2-0.35	3X2-0.31	3X2-0.28
1700	3VIII1-0.79	3VIII1-0.67	3VIII1-0.58	3VIII1-0.50	3VIII1-0.44	3X2-0.39	3X2-0.35	3X2-0.31	3X2-0.28
1750	3VIII1-0.79	3VIII1-0.67	3VIII1-0.58	3VIII1-0.50	3VIII1-0.44	3X2-0.39	3X2-0.35	3X2-0.31	3X2-0.28
1800	3VIII1-0.79	3VIII1-0.67	3VIII1-0.58	3VIII1-0.50	3VIII1-0.44	3X2-0.39	3X2-0.35	3X2-0.31	3X2-0.28
1850	3VIII1-0.79	3VIII1-0.67	3VIII1-0.58	3VIII1-0.50	3VIII1-0.44	3X2-0.39	3X2-0.35	3X2-0.31	3X2-0.28
1900	3VIII1-0.79	3VIII1-0.67	3VIII1-0.58	3VIII1-0.50	3VIII1-0.44	3X2-0.39	3X2-0.35	3X2-0.31	3X2-0.28
1950	3VIII1-0.79	3VIII1-0.67	3VIII1-0.58	3VIII1-0.50	3VIII1-0.44	3X2-0.39	3X2-0.35	3X2-0.31	3X2-0.28
2000	3VIII1-0.79	3VIII1-0.67	3VIII1-0.58	3VIII1-0.50	3VIII1-0.44	3X2-0.39	3X2-0.35	3X2-0.31	3X2-0.28



WATERTIGHT SHIP DOOR W52 WITH CENTRAL LOCKING

EDITION n°1/2016

N19/34.145

PAGE / PAGES 4 / 5

5. Leaf material:

- S355 - door leaf made of steel S355J2+N
- S355ZN - door leaf made of galvanized steel S355J2+N
- 1.4571 - door leaf made of stainless steel 1.4571

6. Leaf stiffening:

- l - door leaf stiffened by flat bars

7. Frame discriminant:

7.1. Frame material:

- S355 - door frame made of steel S355J2+N
- 1.4571 - door frame made of stainless steel 1.4571

7.2. Frame type:

- K - door frame made of angle bar
- P - door frame made of flat bar

7.3. Frame mounting:

- no discriminant - door frame welded to the ship's wall
- p - door frame screwed to the ship's wall

8. Frame shape:

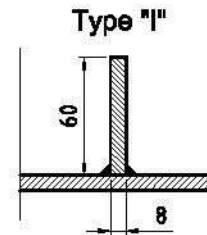
- R100 - door frame with corners of radius 100 mm

9. Dimension - H x B x s

10. Equipment:

- B - porthole with cover (not available in A-0 class)
 - lz50/60 - masking frame 60 mm with 50 mm isolation
 - lz50/131 - masking frame 131 mm with 50 mm isolation (locking mechanism covered)
 - lz0131 - masking frame 131 mm without isolation (locking mechanism covered)
 - Z0 - eye for padlock from outside

 - Z0W - eye for padlock from inside
 - Z4 - lock 3240Z (Schwepper)
 - K - latch closure
 - H - hook
 - YST - door catcher made of galv. steel (YSN - stainless steel version)
 - Y1 - door catcher 236A (Schwepper)
 - W1 - inductive sensor (SIEMENS 3RG40 13-0AG31)
 - SW - inside selfclosure
 - SZ - outside selfclosure
 - E - nameplate (in english) with "TO BE KEPT CLOSED AT SEA" writing (other languages on request)
 - ZDP - with lock with anty-panic bar
 - MS - no-sparking execution
- ADDITIONAL EQUIPMENT ACC. TO ARRANGEMENT WITH THE CLIENT**



Types and quantity of the stiffeners is determined by pressure parameter.

11. Finishing:

Door painted with undercoat paint or acc. to arrangements with the client.

EQUIPMENT VERSIONS (see point 10)

"B"	"lz50/60"	"lz50/131"	"lz0131"
<p style="text-align: center;">min. Ø250 max. Ø400</p>			



WATERTIGHT SHIP DOOR W52 WITH CENTRAL LOCKING

ENTRADA n.º1/2016/8

N19/34.145

PAGE / PAGES 5 / 5

"Z0"	"Z0W"	"Z4"	"K"
"H"	"YST" ("YSN")	"Y1"	"E" (equipped in standard)
"W1"	"SW"	"SZ"	"E" (equipped in standard)
"ZDP"			

Marking sample " Watertight ship door with central locking acc. to N19/34.145 "

L	W52	HH	3VIII1	S355	I	S355Kp	R100
Door kind	Degree of protection	Locking mechanism	Model	Leaf material	Leaf stiffening	Frame discriminant	Frame shape
1800x700x8		B-...-...-E	M38				
Dimension		Equipment	Finishing				



WATERTIGHT SHIP DOOR W108 WITH CENTRAL LOCKING

918/2013
ENTRADA 01/2013

N19/34.145

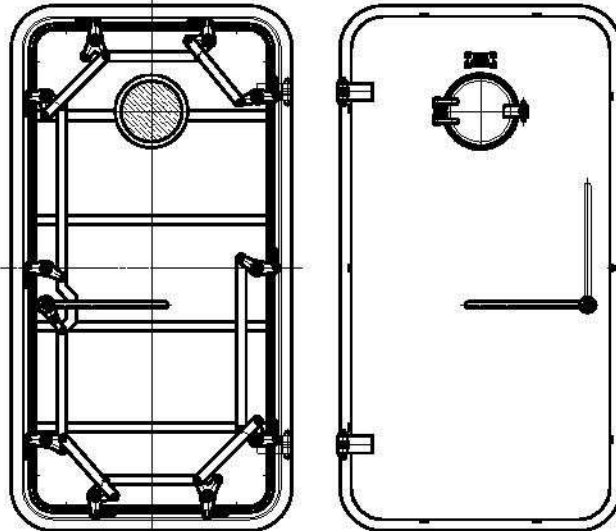
PAGE / PAGES

1 / 5

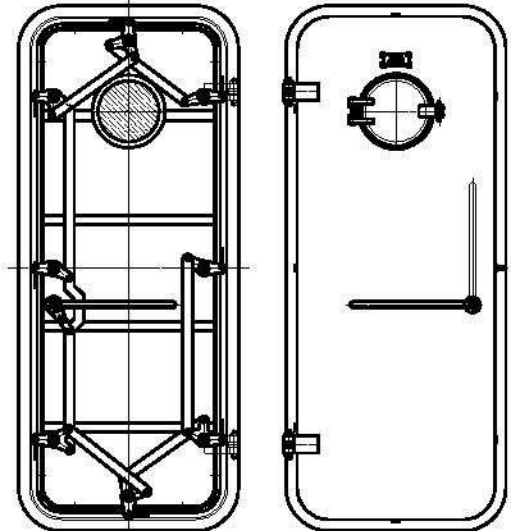
Watertight ship doors produced according to Load Line Convention 1966 and SOLAS Convention are designed to be mounted on steel or aluminium walls of the ship's superstructure. Door can withstand up to 1,64 bar (depending on size of the door) of hydrostatic pressure. Construction provides their gastightness in every execution.

TYPE HH

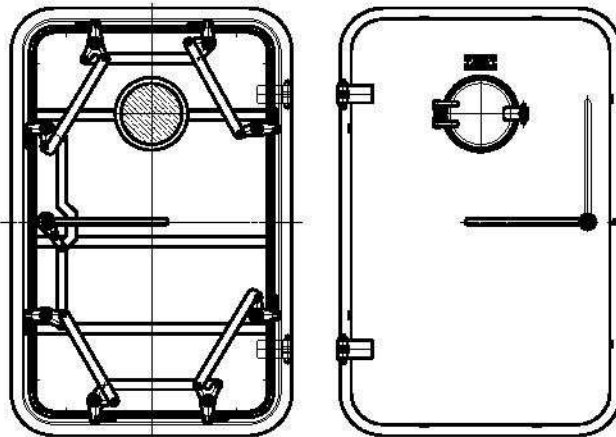
MODEL "3X2"



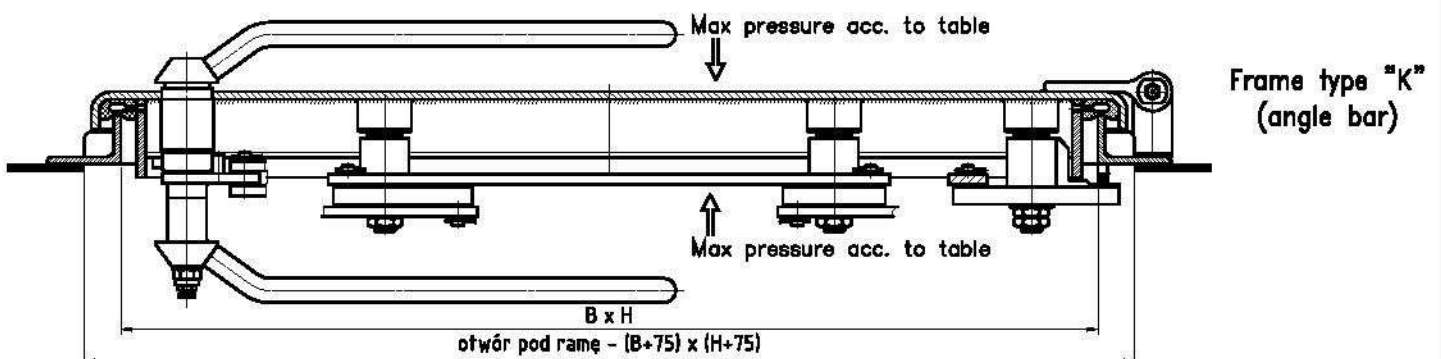
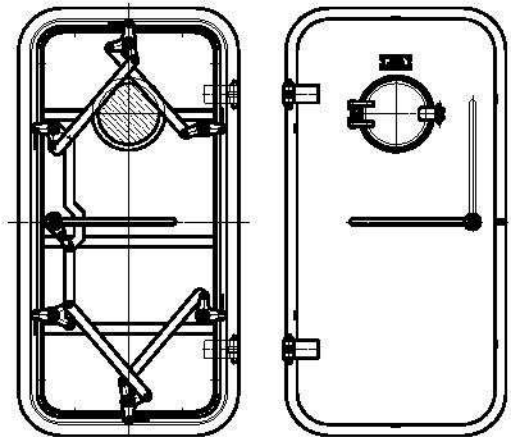
MODEL "3VIII1"



MODEL "2VIII2"



MODEL "2VI1"





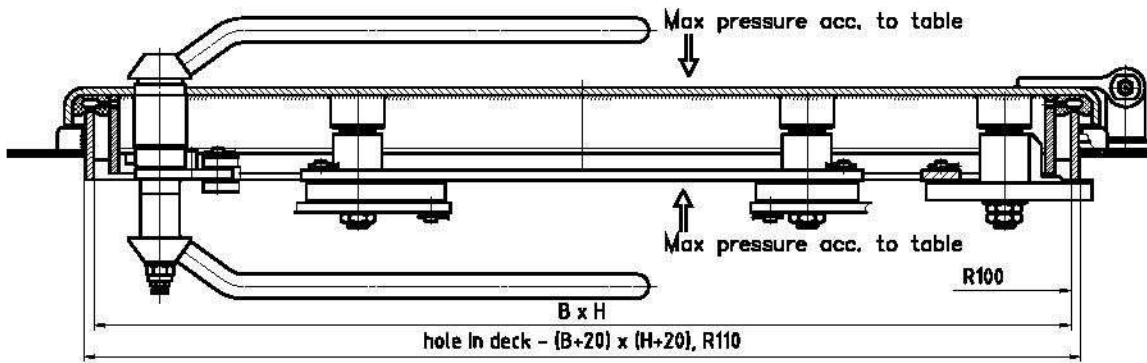
WATERTIGHT SHIP DOOR W108 WITH CENTRAL LOCKING

ENTRANCE NO. 1/2015

N19/34.145

PAGE / PAGES

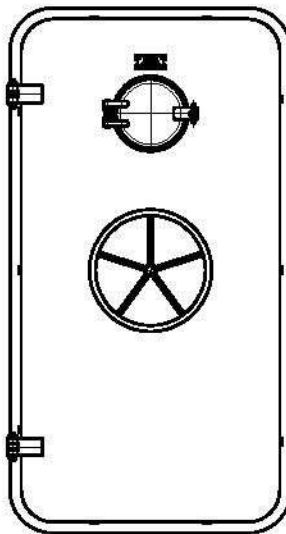
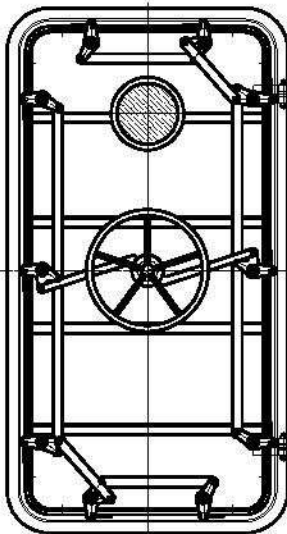
2 / 5



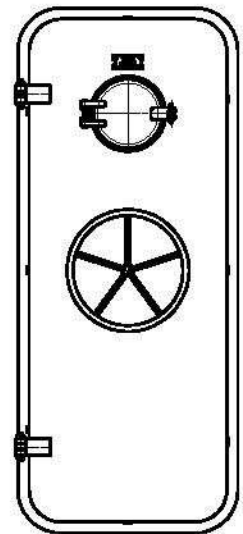
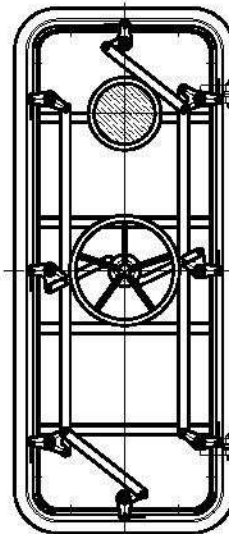
Frame type "P"
(flat bar)

TYPE WW

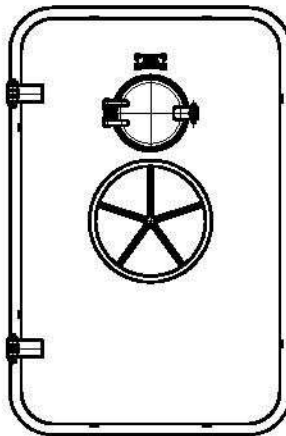
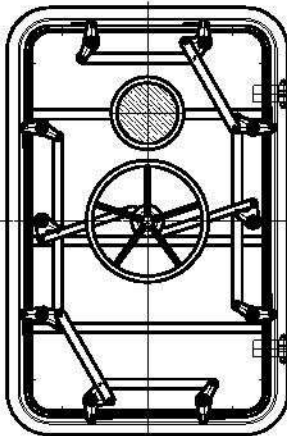
MODEL "3X2"



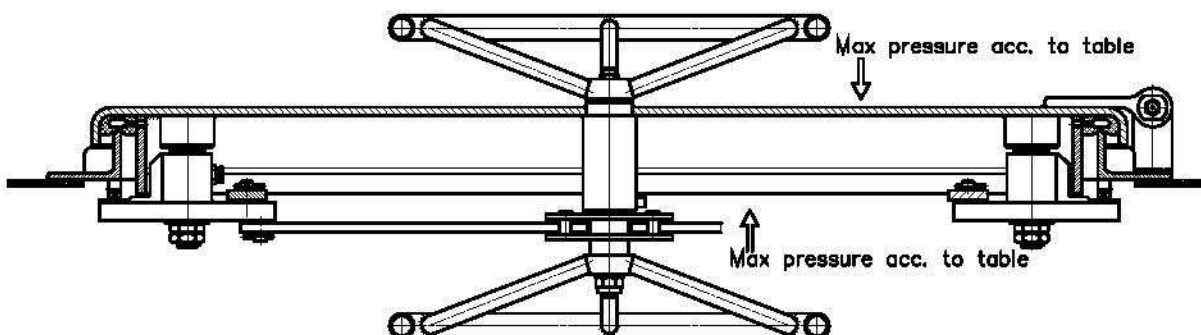
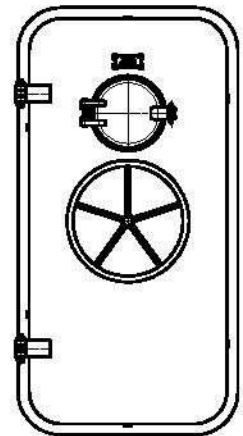
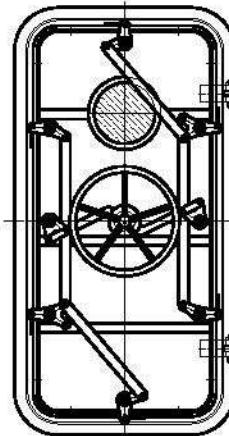
MODEL "3VIII1"



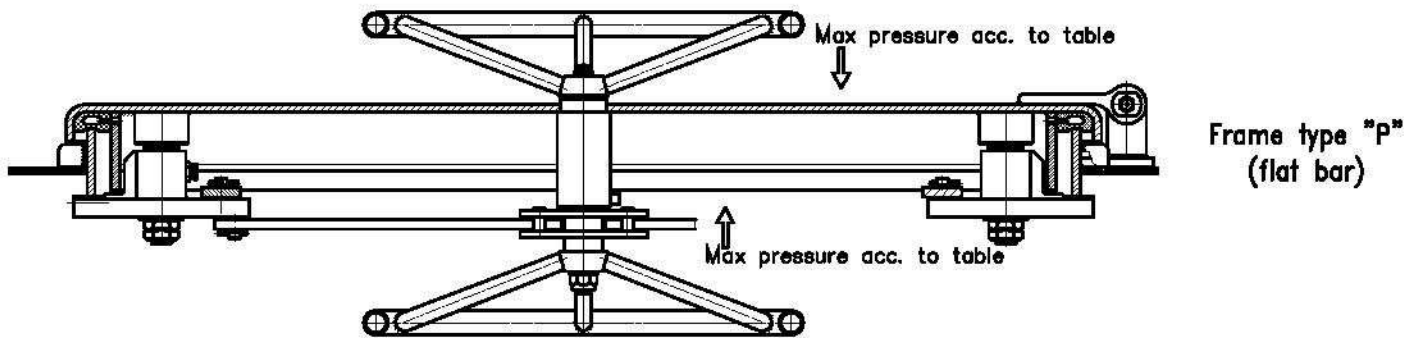
MODEL "2VIII2"



MODEL "2VI1"



Frame type "K"
(angle bar)


Technical characteristic:

The leaf and the frame can be made of steel or stainless steel acc. to client's demands.

Closing mechanism elements are made of galvanized steel as standard.

All bolts of hinges and closures are made of stainless steel type 1.4571. Hinges are equipped with grease nipples M10x1 acc. to DIN 3404.

Doors are sealed with silicon cord of dimension 40x20 as standard.

Types and marking:
1. Door kind:

L - left

P - right


2. Degree of protection:

W108 - watertight door

3. Closing mechanism:

HH - central locking with handle from both sides

WW - central locking with wheel from both sides

ROL - side closures with roll

4. Model:

3X2 - door equipped with 10 side closures

3VIII1 - door equipped with 8 side closures

2VIII2 - door equipped with 8 side closures

2VI1 - door equipped with 6 side closures

DIMENSION TO MODEL TABLE (Examples)

H height	B width / model / max permissible pressure outside-inside [BAR]								
	600	650	700	750	800	850	900	950	1000
1400	2VI1-1.14	2VI1-1.05	2VI1-0.98	2VI1-0.91	2VI1-0.85	2VIII2-0.80	2VIII2-0.76	2VIN2-0.70	2VIN2-0.63
1450	2VI1-1.26	2VI1-1.02	2VI1-0.84	2VI1-0.69	2VI1-0.58	2VIII2-0.87	2VIN2-0.78	2VIN2-0.70	2VIN2-0.63
1500	2VI1-1.26	2VI1-1.02	2VI1-0.84	2VI1-0.69	2VI1-0.58	2VIII2-0.83	2VIN2-0.74	2VIN2-0.66	2VIN2-0.60
1550	2VI1-1.26	2VI1-1.02	2VI1-0.84	2VI1-0.69	2VI1-0.58	2VIII2-0.79	2VIN2-0.70	2VIN2-0.63	2VIN2-0.57
1600	2VI1-1.26	2VI1-1.02	2VI1-0.84	2VI1-0.69	2VI1-0.58	2VIII2-0.75	2VIII2-0.65	2VIN2-0.60	2VIN2-0.54
1650	3VIN1-1.64	3VIN1-1.40	3VIN1-1.20	3VIN1-1.05	3VIN1-0.92	3X2-0.82	3X2-0.73	3X2-0.65	3X2-0.59
1700	3VIN1-1.64	3VIN1-1.40	3VIN1-1.20	3VIN1-1.05	3VIN1-0.92	3X2-0.82	3X2-0.73	3X2-0.65	3X2-0.59
1750	3VIN1-1.64	3VIN1-1.40	3VIN1-1.20	3VIN1-1.05	3VIN1-0.92	3X2-0.82	3X2-0.73	3X2-0.65	3X2-0.59
1800	3VIN1-1.64	3VIN1-1.40	3VIN1-1.20	3VIN1-1.05	3VIN1-0.92	3X2-0.82	3X2-0.73	3X2-0.65	3X2-0.59
1850	3VIN1-1.64	3VIN1-1.40	3VIN1-1.20	3VIN1-1.05	3VIN1-0.92	3X2-0.82	3X2-0.73	3X2-0.65	3X2-0.59
1900	3VIN1-1.64	3VIN1-1.40	3VIN1-1.20	3VIN1-1.05	3VIN1-0.92	3X2-0.82	3X2-0.73	3X2-0.65	3X2-0.59
1950	3VIN1-1.64	3VIN1-1.40	3VIN1-1.20	3VIN1-1.05	3VIN1-0.92	3X2-0.82	3X2-0.73	3X2-0.65	3X2-0.59
2000	3VIN1-1.64	3VIN1-1.40	3VIN1-1.20	3VIN1-1.05	3VIN1-0.92	3X2-0.82	3X2-0.73	3X2-0.65	3X2-0.59



WATERTIGHT SHIP DOOR W108 WITH CENTRAL LOCKING

EDITION n°1/2016

N19/34.145

PAGE / PAGES 4 / 5

5. Leaf material:

- S355 - door leaf made of steel S355J2+N
- S355ZN - door leaf made of galvanized steel S355J2+N
- 1.4571 - door leaf made of stainless steel 1.4571

6. Leaf stiffening:

- L - door leaf stiffened by flat bars

7. Frame discriminant:

7.1. Frame material:

- S355 - door frame made of steel S355J2+N
- 1.4571 - door frame made of stainless steel 1.4571

7.2. Frame type:

- K - door frame made of angle bar
- P - door frame made of flat bar

7.3. Frame mounting:

- no discriminant - door frame welded to the ship's wall
- p - door frame screwed to the ship's wall

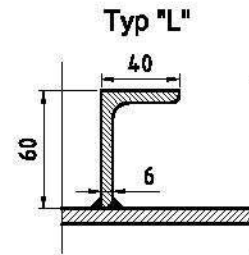
8. Frame shape:

- R100 - door frame with corners of radius 100 mm

9. Dimension - H x B x s

10. Equipment:

- B - porthole with cover (not available in A-0 class)
 - Iz50/60 - masking frame 60 mm with 50 mm isolation
 - Iz50/131 - masking frame 131 mm with 50 mm isolation (locking mechanism covered)
 - Iz0131 - masking frame 131 mm without isolation (locking mechanism covered)
 - Z0 - eye for padlock from outside
 - Z0W - eye for padlock from inside
 - Z4 - lock 3240Z (Schwepper)
 - K - latch closure
 - H - hook
 - YST - door catcher made of galv. steel (YSN - stainless steel version)
 - Y1 - door catcher 236A (Schwepper)
 - W1 - inductive sensor (SIEMENS 3RG40 13-0AG31)
 - SW - inside selfclosure
 - SZ - outside selfclosure
 - E - nameplate (in english) with "TO BE KEPT CLOSED AT SEA" writing (other languages on request)
 - ZDP - with lock with anty-panic bar
 - MS - no-sparking execution
- ADDITIONAL EQUIPMENT ACC. TO ARRANGEMENT WITH THE CLIENT**



Types and quantity of the stiffeners is determined by pressure parameter.

11. Finishing:

Door painted with undercoat paint or acc. to arrangements with the client.

EQUIPMENT VERSIONS (see point 10)

"B"	"Iz50/60"	"Iz50/131"	"Iz0131"
<p style="text-align: center;">min. Ø250 max. Ø400</p>			



WATERTIGHT SHIP DOOR W108 WITH CENTRAL LOCKING

ENTRADA Nº1/2016

N19/34.145

PAGE / PAGES 5 / 5

"Z0"	"Z0W"	"Z4"	"K"
"H"	"YST" ("YSN")	"Y1"	"E" (equipped in standard)
"W1"	"SW"	"SZ"	"E" (equipped in standard)
"ZDP"			

Marking sample " Watertight ship door with central locking acc. to N19/34.145 ".....

L	W108	HH	3V1111	S355	I	S355Kp	R100
Door kind	Degree of protection	Locking mechanism	Model	Leaf material	Leaf stiffening	Frame discriminant	Frame shape
1800x700x8		B-...-...-E	M38				
Dimension		Equipment	Finishing				