

船用普通矩形窗

Marine ordinary rectangular window

GB/T5746-2014

本产品适用于海洋船舶和舰船干舷甲板以上的甲板室和上层建筑及海上结构的有关舱室所安装的矩形窗。内河船所安装的矩形窗亦可参照使用。产品满足 (SOLAS1974) 1981年修正案以及1966年国际载重线公约。

This Product is to be used as rectangular windows in the deck houses and superstructures above freeboard deck of marine ships and naval ships and in the relative spaces of marine structures. It can also be used as rectangular windows of inland ships where appropriate. This Product meets the regulations of the International Convention for the Safety of Life at Sea (SOLAS 1974), with Amendments, 1981 and the International Convention on Load Lines, 1966.

1、系列 Series

N	一般系列 Regular series	是通常采用的装有钢化安全玻璃的矩形窗 Common rectangular windows with a toughened safety glass pane
P	耐火系列 Fire-resistant series	是安装于“B”级耐火区域的矩形窗 Rectangular windows used in “B” class fire-resistant divisions
H	加热系列 Heated series	是装有电热玻璃的矩形窗 Rectangular windows with an electric-heated glass pane

2、类型 Type

E	重型矩形窗 Heavy type rectangular window
F	轻型矩形窗 Light type rectangular window

3、公称尺寸代号

Nominal size code number

代号 Designation	公称尺寸 Nominal size W ₁ × h ₁	示图 Illustrations
1	300 × 425	
2	355 × 500	
3	400 × 560	
4	450 × 630	
5	500 × 710	
6	560 × 800	
7	900 × 630	
8	1000 × 710	
9	1100 × 800	

4、型式特征

Characteristics of models

开启形式 Opening mode	开启方式 Opening method		安装方式 Mounting method		开向 Opening direction	适用代号(公称尺寸) Appropriate code number(nominal size)					
			螺栓式 Bolted mode	焊接式 Welded model		E	F				
开式 openable type	内开 inwards opening (I)	侧铰链 Side-hinged	左开(L) Left-hand opening	B	—	ILB	1~6	1~6			
			右开(R) Right-hand opening	—	W	ILW					
		上铰链(T) Top-hinged	B	—	IRB						
			—	W	IRW						
	外开 outwards opening (O)	侧铰链 Side-hinged	左开(L) Left-hand opening	B	—	ITB	4~8	4~9			
			右开(R) Right-hand opening	—	W	ITW					
		上铰链(T) Top-hinged	B	—	ITB						
			—	W	ITW						
		闭式 Non-opening	—	左开(L) Left-hand opening	B	—			OLW	1~6	1~6
				右开(R) Right-hand opening	—	W			OLB		
上铰链(T) Top-hinged	B		—	OLW							
	—		W	ORB							
—	—	左开(L) Left-hand opening	B	—	OTB	4~8	4~9				
		右开(R) Right-hand opening	—	W	OTW						
—	—	左开(L) Left-hand opening	B	—	NOB	1~8	1~9				
		右开(R) Right-hand opening	—	W	NOW						

5、玻璃厚度 Glass thickness

系列 Series	类型 Type	透光玻璃(Y1)厚度(括号内为磨砂玻璃(Y2)厚度) Thickness of clear glass pane (Y1) (the thickness between brackets is that of obscured glass pane(Y2))															
		窗公称尺寸代号 Nominal size code numbers of windows															
N	E	10	(15)	10	(15)	12	(19)	12	(19)	15	—	15	—	19	—	19	—
	F	8	(12)	8	(12)	8	(12)	8	(12)	10	(15)	10	(15)	12	(19)	12	(19)
P	E	见ISO 5797-1 玻璃耐火等级B-0,B-15。 See ISO 5797-1 Fire-resistant class of glass B - 0,B - 15															
	F																
H	E	见ISO 3434。 See ISO 3434															
	F																

6、加热系列矩形窗的玻璃代号

Glass pane codes for rectangular windows of the heated series

电源 Electrical supply	电流 Current	直 流 D.C.			交流单相 A.C. single phase				交流三相 A.C.three-phase												
	电压V Voltage	24	110	220	115		220		115		220		220/380		440						
	频率HZ Frequency	—	—	—	50	60	50	60	50	60	50	60	50	60	50	60					
过热保护装置 Overheating protection device		G	S	G	S	G	S	G	S	G	S	G	S	G	S	G	S	G	S	G	S
最小功率负载 Minimum power loading (W/dm ²)	7	代号 Designation	01	02	03	11	12	13	14	31	32	33	34	35	36	37	38				
	12																				
	17																				

注: Note:

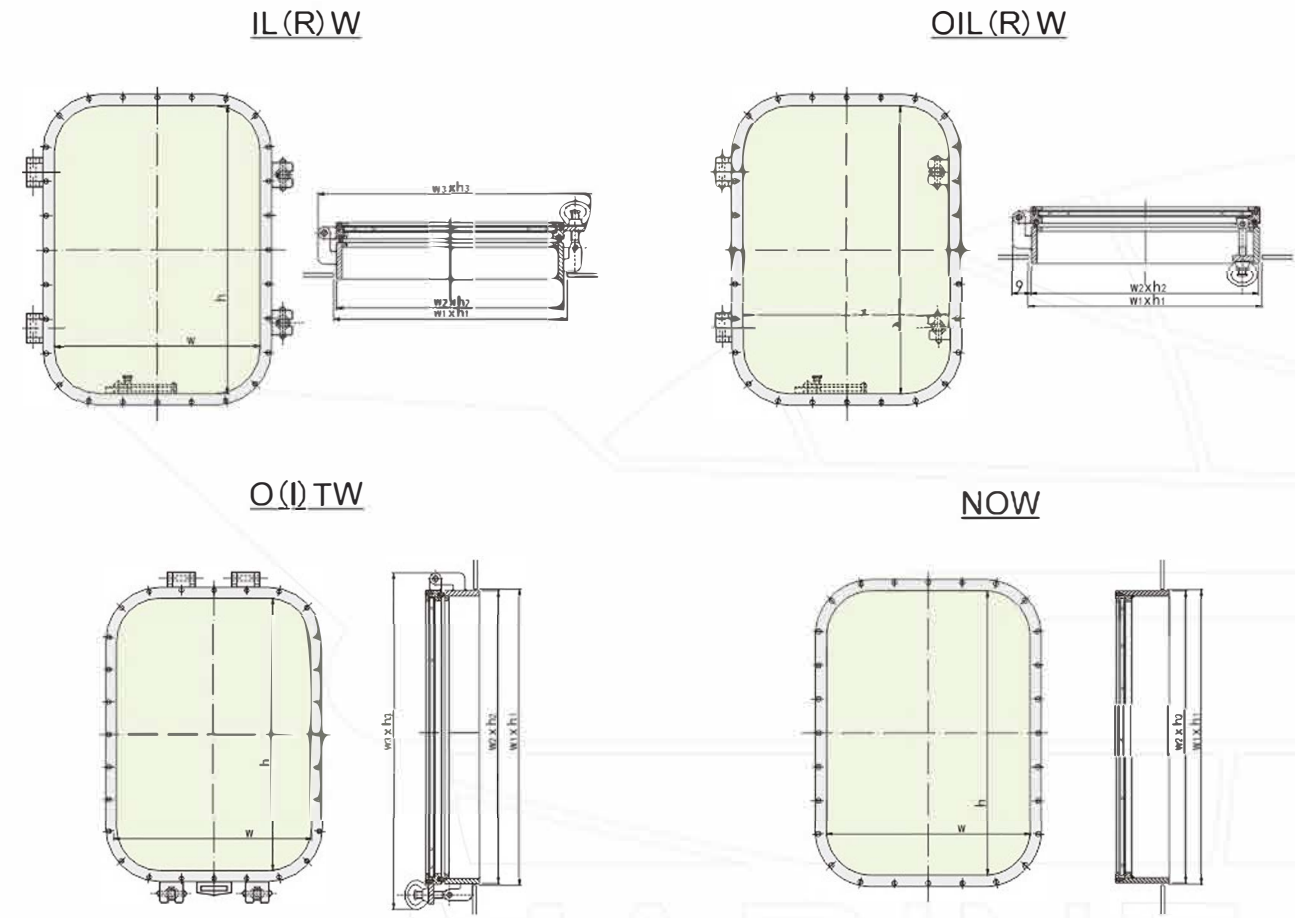
- 1、G表示按组调整, S表示单件调整, 代号、功率及过热保护表示: 即7G01,12S02...。见ISO3434 1992的5.4。
1.G means Group regulator, S means Single regulator, Designation of code, power and overheating protection: i.e.7G01,12S02.... See ISO3434:1992, subclause 5.4.
- 2、在近地极区域航行需要较大的电载荷时, 应同窗的制造者或加热玻璃的生产厂进行磋商。
2.If a higher heating power is required for navigation in polar regions, the manufacturer of the window or the heated glass pane shall be consulted.

7、凸肩高度和材料组合代号

Height of spigot and material code number

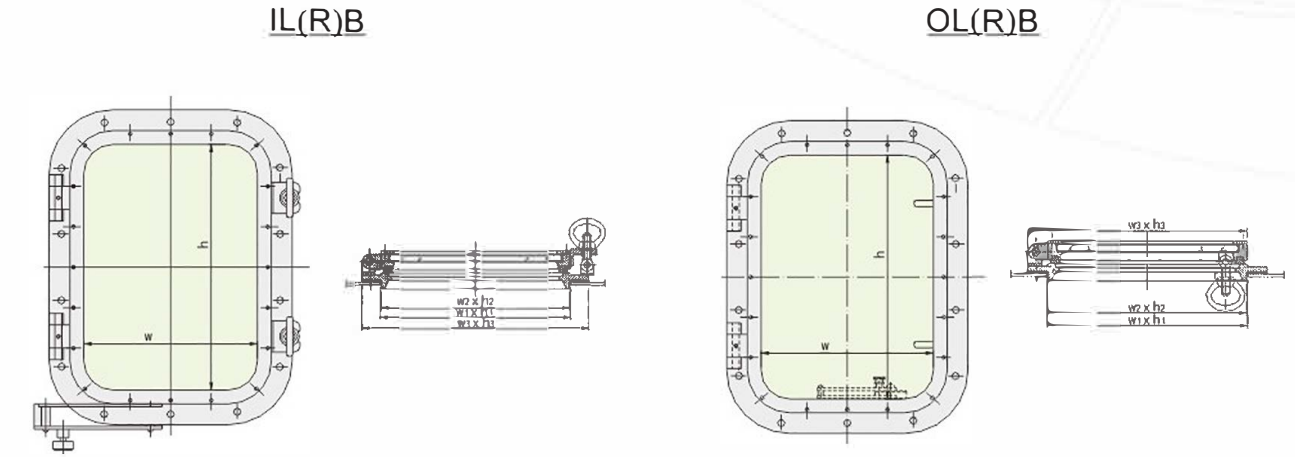
安装形式 Mounting model	开启方式 Opening method	凸肩高度及示图 Height of spigot and illustration	材料代号 Material code number	零件材料代号 Material code numbers of components			窗的材料组合代号 Material class code numbers of window
				主窗框 Main frame	窗扇框 Glassholder	玻璃压板 Glass-retaining frame	
螺栓式 Bolted model	开式 openable type		铜材 Copper product 1	铜(1) Copper	铜(1) Copper	铜(1) Copper	111
				钢(2) Steel	钢(2) Steel	钢(2) Steel	222
				铝(3) Aluminum	铝(3) Aluminum	铝(3) Aluminum	333
	闭式 Non-opening		钢材 Steel product 2	铜(1) Copper	无(0) Nothing	铜(1) Copper	101
				钢(2) Steel	无(0) Nothing	钢(2) Steel	202
				铝(3) Aluminum	无(0) Nothing	铝(3) Aluminum	303
焊接式 Welded model	开式 openable type		铝材 Aluminum product 3	钢(2) Steel	铜(1) Copper	铜(1) Copper	211
				钢(2) Steel	钢(2) Steel	钢(2) Steel	222
				钢(2) Steel	钢(2) Steel	钢(2) Steel	222
	闭式 Non-opening		无零件 Nothing components 0	钢(2) Steel	铝(3) Aluminum	铝(3) Aluminum	233
				钢(2) Steel	无(0) Nothing	铜(1) Copper	201
				钢(2) Steel	无(0) Nothing	钢(2) Steel	202

8、焊接式矩形窗
Welded rectangular window



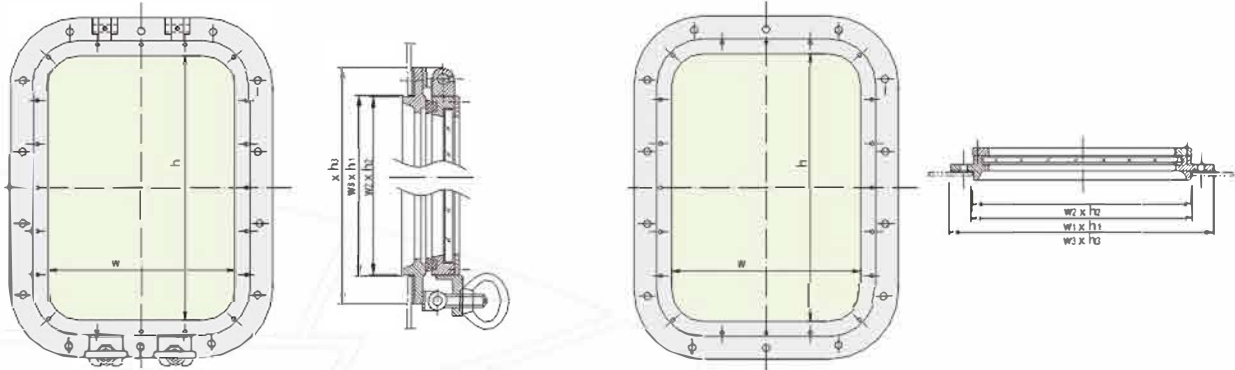
注: CB276和CBM2010铝质矩形窗, 其由材料编号3代替, 若主窗框及压板均为铝材, 则代号为333。
Note: For the CB276 and CBM2010 aluminium rectangular windows, their material code numbers are replaced by 3, If their main frames and glassholders are made of aluminium, the material class code number is 333.

9、螺栓式矩形窗
Bolted rectangular window



I(O)TB

NOB



系列 Series	类型 Type	代号 Designation	公称尺寸 Nominal size	围壁开口 Opening size of casing wall		窗座 Fixed frame	
			W×h	W ₁ ×h ₁	r	W ₂ ×h ₂	W ₃ ×h ₃
N P H	E F	1	300×425	352×477	76	348×473	430×555
		2	355×500	407×552	76	403×548	485×630
		3	400×560	452×612	76	448×608	530×690
		4	450×630	402×682	126	498×678	580×760
		5	500×710	552×762	126	548×758	630×840
		6	560×800	612×852	126	608×848	690×930
		7	900×630	952×682	126	948×678	1030×760
		8	1000×710	1052×762	126	1048×758	1130×840
		9	1100×800	1152×852	126	1148×848	1230×930

标记示例

- 一般系列焊接式矩形窗(N)
一般系列(N), 轻型(F), 公称尺寸400×560mm(代号3), 凸肩高度30mm, 固定形(NOW), 材料组合为211, 磨砂玻璃(Y2)的矩形窗:
矩形窗 N-F3×30-NOW-211-Y2 GB/T 5746-1996
- 加热系列焊接式矩形窗(H)
加热系列(H), 轻型(F), 公称尺寸1000×710mm(代号8), 凸肩高度30mm, 固定形(NOW), 材料组合为201. 单件调整, 带过热保护装置, 功率负载17w/dm², 交流三相220/380v 60HZ, 电源供电的加热玻璃(代号17S36)的矩形窗:
矩形窗 H-F8×30-NOW-201-17S36 GB/T 5746-1996
- 耐火系列螺栓式矩形窗(P)
耐火系列(P), 轻型(F), 公称尺寸500×700mm(代号5), 凸肩高度16mm, 上铰链内上开(1TB), 材料组合为333. 磨砂玻璃(Y2)的矩形窗:
矩形窗 P-F5×16-1TB-333-Y2 GB/T 5746-1996

Examples of designation

- Welded rectangular windows of regular series (N)
A rectangular window of regular series (N), light-type (F), nominal size 400×710mm (window No.3) with height of spigot 30mm, no-opening model(NOW), material class 211, fitted out with an obscured glass pane(Y2):
Rectangular window N - F3 × 30 - NOW - 211 - Y2 GB/T 5746 - 1996
- Welded rectangular window of heated series (H)
A rectangular window of heated series (H), light-type (F), of nominal size 1000mm×710mm (window No.8) with height of spigot 30mm, no-opening model (NOW), material class 201, fitted out with a heated glass pane for power loading 17W/dm² with overheating protection device with single regulator and powered by a three-phase 220/380 V 60Hz a.c. supply, (code 17S36) ;
Rectangular window H - F8 × 30 - NOW - 201 - 17S36 GB/T 5746 - 1996
- Bolted rectangular window of fire-resistant series (P)