

船用舷窗

Marine side scuttle

GB/T14413-2008

本产品适用于海洋船舶和舰艇，也可用于内河船舶。标准等效采用国际标准ISO1751。

This product is applied to marine ships and naval ships, and to the inland ships, too. The standard is equivalent to the international standard ISO 1751.

1、舷窗的型式及其适用范围特征表

Table for models of side scuttles and their principal characteristics of scope

名称 Name	型式 Model	透光尺寸 Clear size D	开启方式 Opening method		安装 方式 Mounting method	材料组合代号 Material class code numbers		风暴盖开启 固定方式 Opening and fastening models of deadlights	玻璃 Glass pane	适用范围 Sphere of application
			开式 openable type	闭式 Non- opening		螺栓 Bolted	焊接 Welded			
重型 Heavy-type	A	200 250 300 350 400	左开式(L) Left opening type	固定式 Fixed type (N)	螺栓安装(B)或焊接安装(W) Bolt installation (B) or welding installation (W)	112	212 或 222	挂钩式 (G) 或 棘爪式 (J)	透明 (Y1) 或 磨砂 (Y2) Transparency (Y1) Or Frosted (Y2)	海船舱壁甲板或干舷甲板以下，满载水线以上允许舷侧开口部位，且要求水密和气密的处所。 The spaces below bulkhead deck or freeboard deck and above full-load waterline of marine ships, which are allowed to cut openings on the sides and required to be watertight and airtight.
中型 Medium-type	B	200 250 300 350 400 450	右开式(R) Right opening type 共铰链式(S) Altogether hinge type			112或 222或 333	212或 222或 233	hook(G) or pawl(J)		客船舱壁甲板或干舷甲板以上的舷边或上层建筑的端部。非客船干舷甲板上第一层上层建筑两侧和端部。 The sides above bulkhead deck or freeboard deck of passenger ships, or the ends of superstructures. Both sides and ends of the first tier of superstructure on the freeboard deck of ships other than passenger ship.
轻型 Light-type	C	200 250 300 350 400 450	开式(LR) opening type			220或 330或 110	210或 220或 230	无 Nothing		客船舱壁甲板或干舷甲板以上第一层，和以上各层上层建筑侧面和后端部。非客船干舷甲板以上，第一层上层建筑以上围壁侧面和后端部。 The sides and rear-ends of first tier of superstructure above bulkhead deck or freeboard deck of passenger ships or all tiers above the first tier of superstructure. The Sides and rear-ends of all tiers above the first tier of superstructure on freeboard deck of ships other than passenger ships.

2、材料组合代号依次表示舷窗主窗框、窗扇框、风暴盖组合装配表

Material class code numbers indicate combinations of the material code numbers for main frame, glassholder, deadlight in order

材料代号 Material code number	材料 Material	示例 Demonstration
1	铜 Copper	1、主窗框为钢(2)、窗扇框为铜(1)、风暴盖为钢(2)则材料组合代号为212。 1.In the case of main frame of steel (2), glassholder of aluminium (3), deadlight of steel (2), the material class code number is 212 . 2、主窗框为铝(3)、窗扇框为铝(3)、无风暴盖(0)则材料组合代号为330。 2.In the case of main frame of aluminium (3), glassholder of aluminium(3) , without deadlight(0), the material class code number is 330.
2	钢 Steel	
3	铝 Aluminium	
0	无风暴盖 Without deadlight	

3、风暴盖开启固定形式

Opening and fastening models of deadlights



Diagram illustrating the Hook (G) fastener. It shows a side view of the fastener attached to a ceiling (天花板). The distance from the center of the scuttle to the ceiling is labeled H. The fastener is labeled 挂钩式 (G) and Hook (G).

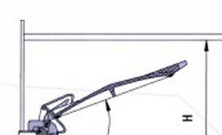


Diagram illustrating the Pawl (J) fastener. It shows a side view of the fastener attached to a ceiling (天花板). The distance from the center of the scuttle to the ceiling is labeled H. The fastener is labeled 棘爪式 (J) and Pawl (J). The angle of the fastener is indicated as 110°.

透光尺寸 (D) Clear size	200	250	300	350	400	450	
舷窗中心与天花板最小距离 (H) Minimum distance of side scuttle centre to ceiling (H)	棘爪式 (J) Pawl (J)	300	350	400	450	540	580
挂钩式 (G) Hook (G)	选用者自定 Selected by user for himself						

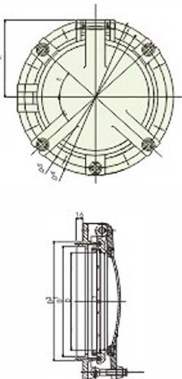
4、螺栓式安装舷窗

Bolted side scuttle

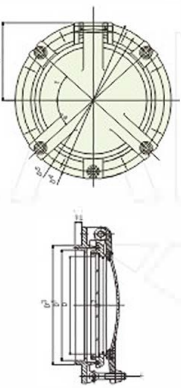
A(重)型螺栓(B)式安装舷窗

Side scuttle of (heavy) type A with bolted model (B)

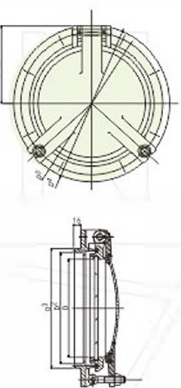
AL(R)B型左(右)式舷窗
Left (right) – hand opening
side scuttle of type AL(R) B



ASB型共铰式舷窗
Common-hinged side
scuttle of type ASB



ANB型固定式舷窗
Non-opening side
scuttle of type ANB

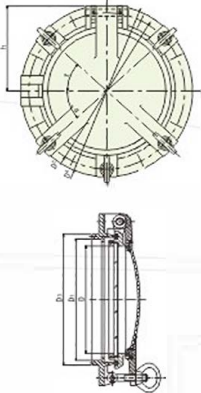


类 型 Model	透光 尺寸 Clear size D	D ₁	D ₂	D ₃	D ₄	D ₅	h	t	α	紧固件数量 Number of fasteners		安装螺栓 Bolts for installation		围壁开孔 Opening of casing wall	
										风暴盖 Deadlight	窗扇框 Glassholder	螺纹 Thread	数量 Quantity		
A	L(R)B SB NB	200	245	204	250	350	310	155	10	45°	2	3	M16	8	253
		250	295	254	305	400	364	182	12	48°	2	3	M16	8	308
		300	350	304	360	450	414	207	15	31°	3	3	M16	12	363
		350	400	354	410	500	464	232	15	32°	3	3	M16	12	413
		400	450	404	460	550	514	257	19	31°	3	3	M18	12	463

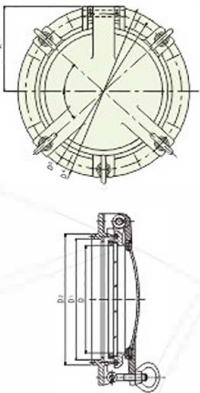
B(中)型螺栓(B)式安装舷窗

Side scuttle of (medium) type B with bolted model (B)

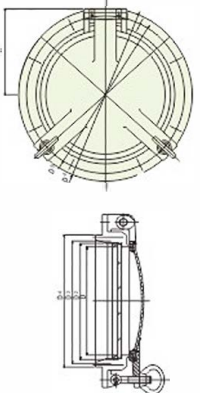
BL(R)B型左(右)式舷窗
Left (right) - hand opening side scuttle of type BL(R) B



BSB型共铰式舷窗
Common-hinged side scuttle of type BSB



BNB型固定式舷窗
Non-opening side scuttle of type BNB



类 型 Model	透光尺寸 Clear size D	D ₁	D ₂	D ₃	D ₄	D ₅	h	t	α	紧固件数量 Number of fasteners		安装螺栓 Bolts for installation		围壁开孔 Opening of casing wall	
										风暴盖 Deadlight	窗扇框 Glassholder	螺纹 Thread	数量 Quantity		
B	L(R)B SB NB	200	245	204	250	350	310	155	8	45°	2	3	M12	8	253
		250	295	254	305	400	364	182	8	48°	2	3	M16	8	308
		300	350	304	360	450	414	207	10	31°	3	3	M16	12	363
		350	400	354	410	500	464	232	12	32°	3	3	M16	12	413
		400	450	404	460	550	514	257	12	31°	3	3	M18	12	463
		450	500	454	510	600	564	282	15	31°	3	4	M20	12	513

C(轻)型螺栓(B)式安装舷窗

Side scuttle of (light) type C with bolted model (B)

CL (R) B型左(右)式舷窗

Left (right) - hand opening side scuttle of type CL(R)B

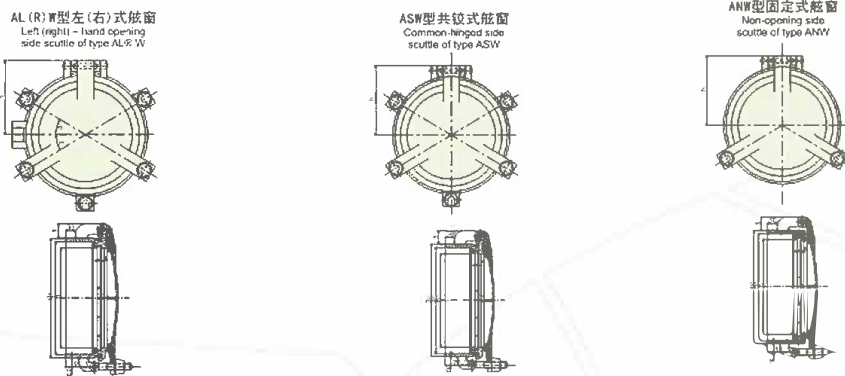
CNB型固定式舷窗

Non-opening side scuttle of type CNB

类 型 Model	透光尺寸 Clear size D	D ₃	D ₄	t	安装螺栓 Bolts for installation		围壁开孔 Opening of casing wall	
					螺纹 Thread	数量 Quantity		
C	L (R) B NB	200	250	350	6	M12	8	253
		250	305	400	6	M16	8	308
		300	360	450	8	M16	12	363
		350	410	500	8	M16	12	413
		400	460	550	10	M18	12	463
		450	510	600	10	M20	12	513

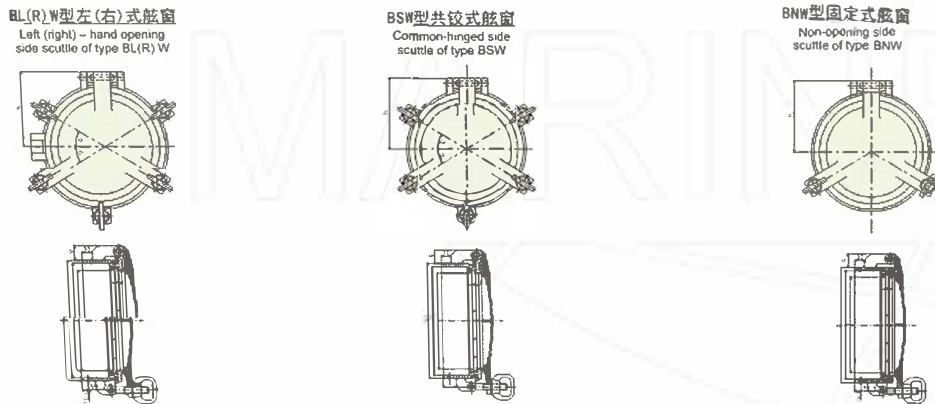
5、焊接式安装舷窗
Welded side scuttle

A (重) 型焊接 (W) 式安装舷窗
Side scuttle of (heavy) type A with welded model (B)



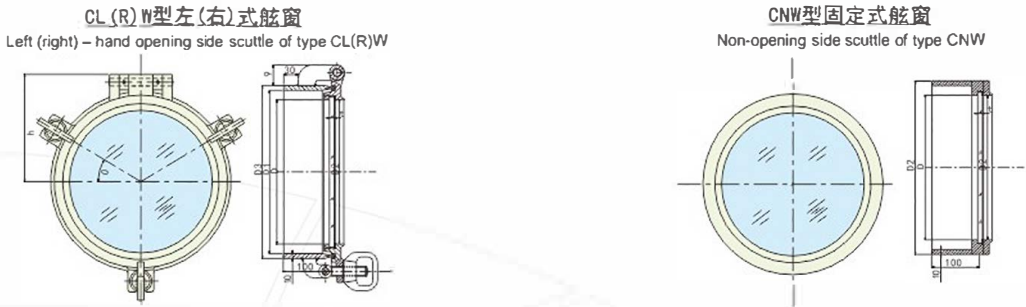
类 型 Model		透光尺寸 Clear size D	D ₁	D ₂	D ₃	h	t	α	g _{max}	紧固件数量 Number of fasteners		围壁开孔 Opening of casing wall
										风暴盖 Deadlight	窗扇框 Glassholder	
A	L (R) W SW NW	200	245	204	250	155	10	45°	50	2	3	253
		250	295	254	305	182	12	45°	47.5	2	3	308
		300	350	304	360	207	15	31°	45	3	3	363
		350	400	354	410	232	15	31°	45	3	3	413
		400	450	404	460	257	19	31°	45	3	3	463

B (中) 型焊接 (W) 式安装舷窗
Side scuttle of (medium) type B with welded model (B)



类 型 Model		透光尺寸 Clear size D	D ₁	D ₂	D ₃	h	t	α	g _{max}	紧固件数量 Number of fasteners		围壁开孔 Opening of casing wall
										风幕盖 Deadlight	窗扇框 Glassholder	
B	L (R) W SW NW	200	245	204	250	155	8	45°	50	2	3	253
		250	295	254	305	182	8	48°	47.5	2	3	308
		300	350	304	360	207	10	31°	45	3	3	363
		350	400	354	410	232	12	32°	45	3	3	413
		400	450	404	460	257	12	31°	45	3	3	463
		450	500	454	510	282	15	31°	45	3	4	513

C (轻) 型焊接 (W) 式安装舷窗
Side scuttle of (light) type C with welded model (B)



类 型 Model		透光尺寸D Clear size	D _s	h	t	围壁开孔 Opening of casing wall
C	L(R)W NW	200	250	155	6	253
		250	305	182	6	308
		300	360	207	8	363
		350	410	232	8	413
		400	460	257	10	463
		450	510	282	10	513

注: CB275-83与CBM2011-81铝质舷窗其由材料编号3代替, 若其座、扇、盖均是铝材, 则代号为333。
Note: For the CB275 – 83 and CBM2011 – 81 aluminium side windows, their material code numbers are replaced by 3, If their main frame, glassholder and deadlight are made of aluminium, the material class code numbers are 333.

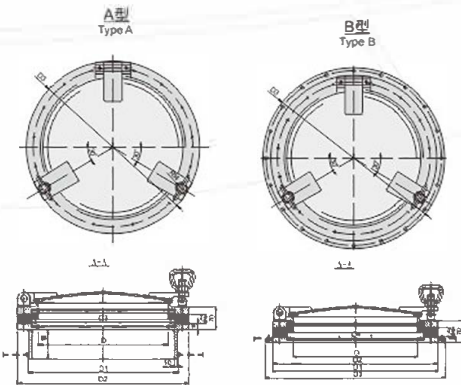
标记示例
1、透光尺寸为450mm焊接左开式 (LW), 钢质主窗框 (2), 钢质窗扇框 (1), 钢质挂钩式风暴盖 (2) (G), 具有透明玻璃 (Y1) 的中型舷窗 (B):
舷窗 B450-LW-212G-Y1 GB/T 14414-93
2、透光尺寸为350mm螺栓右开式 (RB), 铝质主窗框 (3), 无风暴盖 (0), 具有透明玻璃 (Y1) 的轻型舷窗 (C):
舷窗 C350-RB-330-Y1 GB/T 14414-93

Examples of designation
1. A medium-type side scuttle(B) of clear size 450mm, with left-hand opening welded model(LW), having main frame of steel(2), glassholder of copper(1), hook deadlight of steel(2)(G), fitted out with a clear glass pane(Y1) :
Side scuttle B450 – LW – 212G – Y1 GB/T 14414 -93
2. A light-type side scuttle(C) of clear size 350mm, with right-hand opening bolted model(RB), having main frame of aluminium (3), without deadlight(0), fitted out with a clear glass pane(Y1) :
Side scuttle C350 – RB – 330 – Y1 GB/T 14414 – 93

A60防火舷窗

A60 fireproof side scuttle

261JC1201F-00



序号 NO.	公称尺寸 Nominal size D	围壁开孔尺寸 Hole size of casing wall D1		外形尺寸 Size of outside D2	主玻璃厚度 Main glass thick t		玻璃尺寸 Size of glass D3	
		A型 Type A	B型 Type B		重型 Heavy	中型 Medium	A型 Type A	B型 Type B
1	Ø200	Ø383	Ø425	Ø422	10	8	Ø240	Ø472
2	Ø250	Ø433	Ø475	Ø472	12	8	Ø290	Ø522
3	Ø300	Ø483	Ø535	Ø522	15	10	Ø340	Ø572
4	Ø350	Ø533	Ø575	Ø572	15	12	Ø390	Ø622
5	Ø400	Ø583	Ø625	Ø622	19	12	Ø440	Ø672
6	Ø450	Ø633	Ø675	Ø672	19	15	Ø490	Ø722

标记示例
透光尺寸为 Ø 450mm的A60级防火舷窗:
A60舷窗 Ø 450 261JC1201F-00
Examples of designation
A side scuttle of clear size Ø450mm, with fire-resistance class A60:
A60 side scuttle Ø450 261JC120F – 00