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**WINDOWS
SIDE SCUTTLES
PORT HOLES**

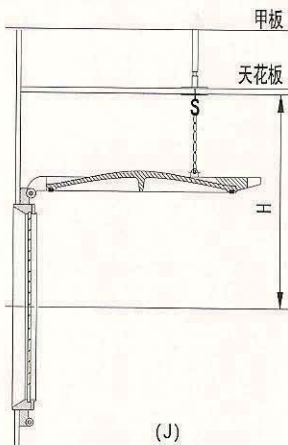
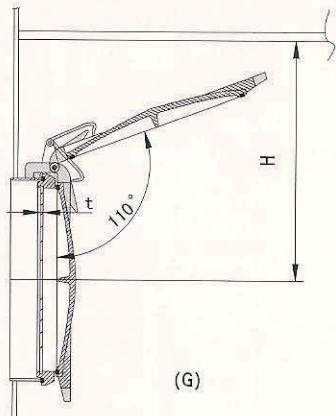
船用舷窗

SIDE SCUTTLE FOR SHIPS

GB/T14413-1993

适用于海洋船舶和舰艇也可用于内河船舶。
USED FOR SEA-GOING SHIP AND WARSHIP , ALSO COULD BE USED FOR INLAND SHIP 。

名称 NAME	型式 TYPE	透光尺寸 SIZE OF CLEAR D	开启方式 OPENING		安装方式 INSTALL. TYPE	材料组合代号 CODE OF MATERIAL MADE UP		风暴盖开启 固定方式 OPENING THE DEADLIGHT	玻璃 GLASS	实用范围 USE
			开 式 OPENING	固定式 FIXED		螺栓式 BOLTED	焊接式 WELDING			
重型 HEAVY	A	200 250 300 350 400	左开式 (L) 右开式 (R)	固定式 (N)	螺栓安装 (B)	112	212 222	挂钩式 (G)	透明 (Y1)	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，且要求水密和气密处所。
中型 MEDIUM	B	200 250 300	共铰链式 (S)			112 222 333	212 222 333	棘爪式 (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。
轻型 LIGHT	C	350 400 450	左开式 (L) 右开式 (R)		焊接安装 (W)	220 330 110	210 220 230			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的侧面和后端部。非客船干舷甲板上第一层上层建筑以上围壁侧面和后端部。



材料组合代号 CODE OF MATERIAL MADE UP

型式	安装方式	材 料			材料组合 代号
		主窗框	窗扇框和玻璃压紧环	风暴雨盖	
A	螺栓式	铜 (1)	铜 (1)	钢 (2)	112
	焊接式	钢 (2)	铜 (1)	钢 (2)	212
B	螺栓式	钢 (2)	钢 (2)	钢 (2)	222
		铝 (3)	铝 (3)	铝 (3)	333
		钢 (2)	铜 (1)	钢 (2)	212
	焊接式	钢 (2)	钢 (2)	钢 (2)	222
		钢 (2)	铝 (3)	铝 (3)	233
		钢 (2)	钢 (2)	—	220
C	螺栓式	铝 (3)	铝 (3)	—	330
		铜 (1)	铜 (1)	—	110
		钢 (2)	铜 (1)	—	210
	焊接式	钢 (2)	钢 (2)	—	220
		钢 (2)	铝 (3)	—	230
		钢 (2)	铝 (3)	—	230

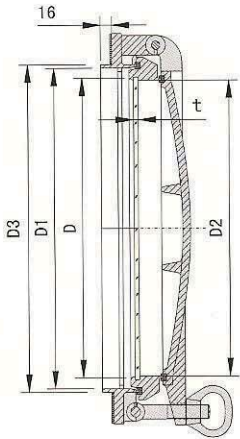
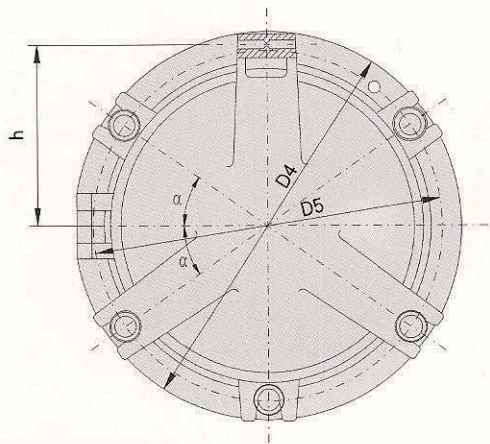
透光尺寸 D		200	250	300	350	400	450
舷窗中心与天花 板最小距离 H	棘爪式 (J)	350	400	450	500	540	580
	挂钩式 (G)	选用者自定 BY DESIGNER					

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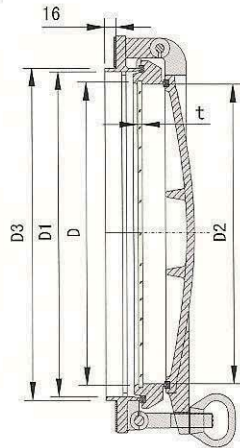
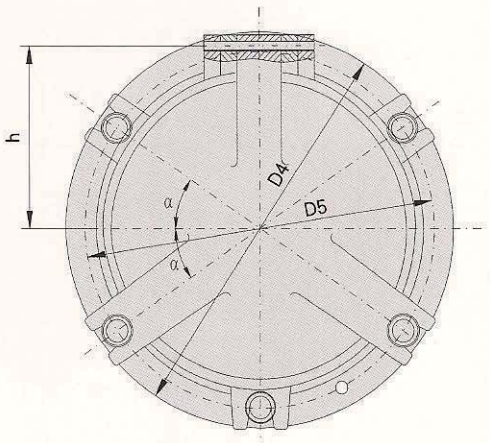
A型 -LB (RB) 式



A型 -LB (RB) 式

类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D1	D2	D3	D4	D5	h	t	α	紧固件数量 QUT OF CLIP		安装螺栓 BOLT		围壁开口 SIZE OF OPENING
											风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	螺纹 WHORL	数量 QUT	
A	LB	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
	RB	300	350	304	360	450	414	207	15	31°	3	3	M16	12	363
		350	400	354	410	500	464	232	15	31°	3	3	M16	12	413
		400	450	404	460	550	514	257	19	31°	3	3	M18	12	463

A 型 -SB 式



A 型 -SB 式

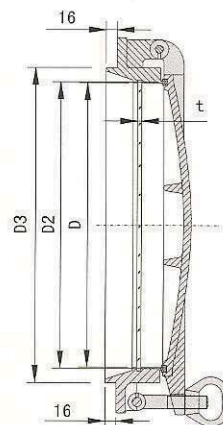
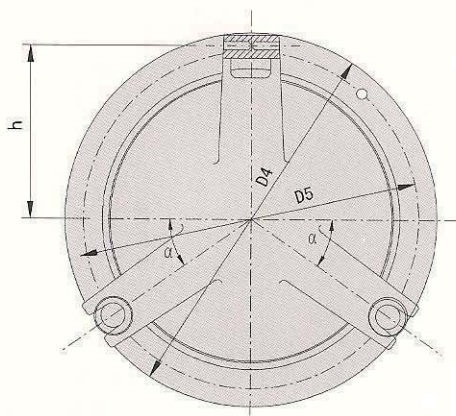
类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D1	D2	D3	D4	D5	h	t	α	紧固件数量 QUT OF CLIP		安装螺栓 BOLT		围壁开口 SIZE OF OPENING
											风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	螺纹 WHORL	数量 QUT	
A	SB	200	245	204	250	350	310	155	10	45°	2	3	M16	8	253
		250	295	254	305	400	364	182	12	42°	2	3	M16	8	308
		300	350	304	360	450	414	207	15	31°	3	3	M16	12	363
		350	400	354	410	500	464	232	15	31°	3	3	M16	12	413
		400	450	404	460	550	514	257	19	31°	3	3	M18	12	463

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SIDE SCUTTLE FOR SHIPS

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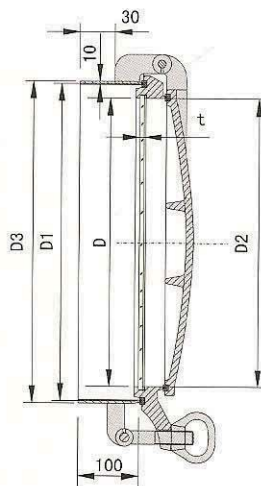
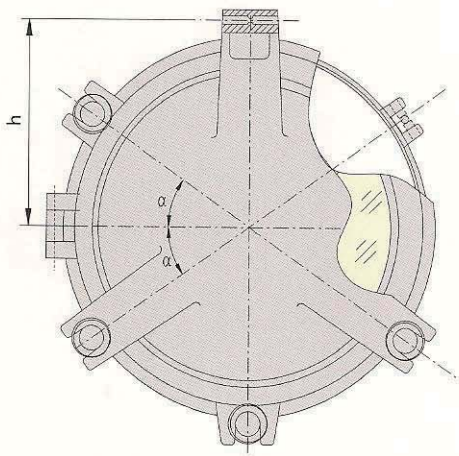
A型 - NB式



A型 - NB式

类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D2	D3	D4	D5	h	t	α	紧固件数量 QUT OF CLIP		安装螺栓 BOLT		围壁开口 SIZE OF OPENING
										风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	螺纹 WHORL	数量 QUT	
A	NB	200	204	250	350	310	155	10	—	2	—	M16	8	253
		250	254	305	400	364	182	12	—	2	—	M16	8	308
		300	304	360	450	414	207	15	31°	3	—	M16	12	363
		350	354	410	500	464	232	15	31°	3	—	M16	12	413
		400	404	460	550	514	257	19	31°	3	—	M18	12	463

A型 - LW (RW) 式



A型 - LW (RW) 式

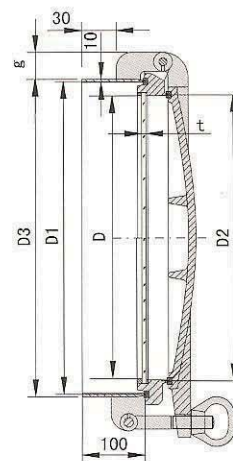
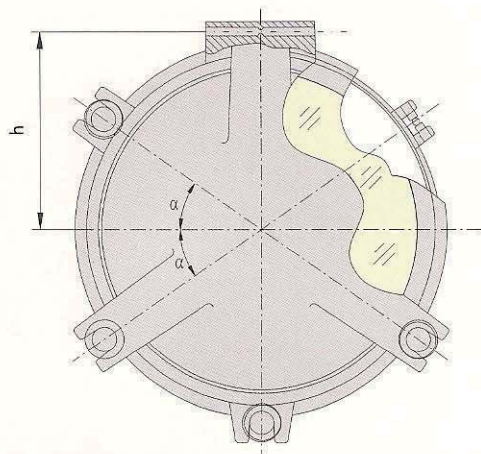
类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 1	D 2	D 3	h	t	α	gmax	紧固件数量 QUT OF CLIP		围壁开口 SIZE OF OPENING
										风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	
A	LW	200	245	204	250	155	10	45°	50	2	3	253
		250	295	254	305	182	12	48°	47.5	2	3	308
	RW	300	350	304	360	207	15	31°	45	3	3	363
		350	400	354	410	232	15	31°	45	3	3	413
		400	450	404	460	257	19	31°	45	3	3	463

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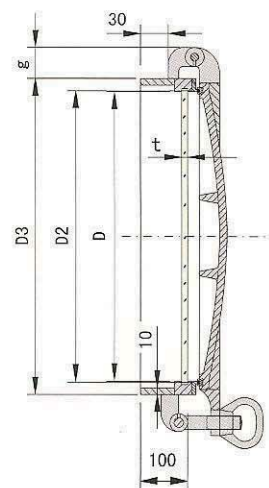
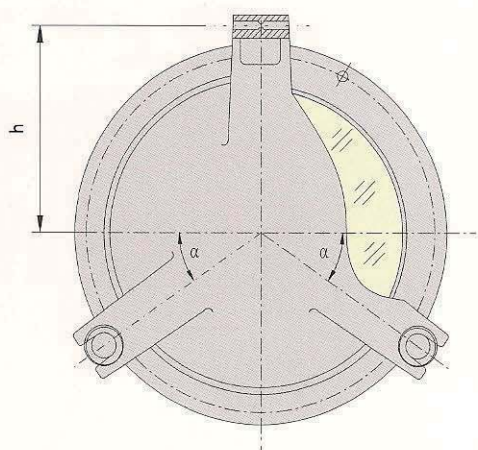
A型 - SW式



A型 - SW式

类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 1	D 2	D 3	h	t	α	g _{max}	紧固件数量 OUT OF CLIP		围壁开口 SIZE OF OPENING
										风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	
A	SW	200	245	204	250	155	10	45°	50	2	3	253
		250	295	254	305	182	12	42°	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

A 型 -NW 式



A 型 -NW 式

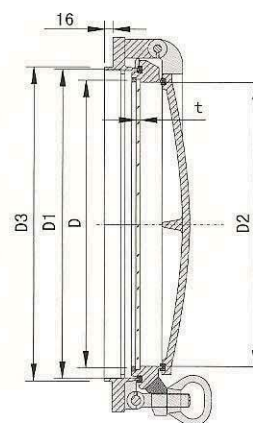
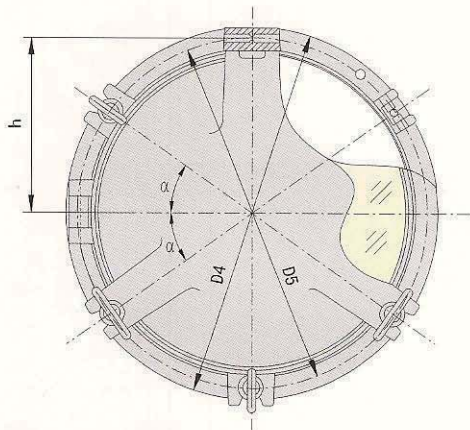
类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 2	D 3	h	t	α	gmax	紧固件数量 OUT OF CLIP		围壁开口 SIZE OF OPENING
									风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	
A	NW	200	204	250	155	10	—	50	2	—	253
		250	254	305	182	12	—	47.5	2	—	308
		300	304	360	207	15	31°	45	3	—	363
		350	354	410	232	15	31°	45	3	—	413
		400	404	460	257	19	31°	45	3	—	463

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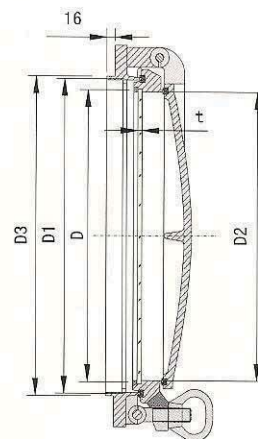
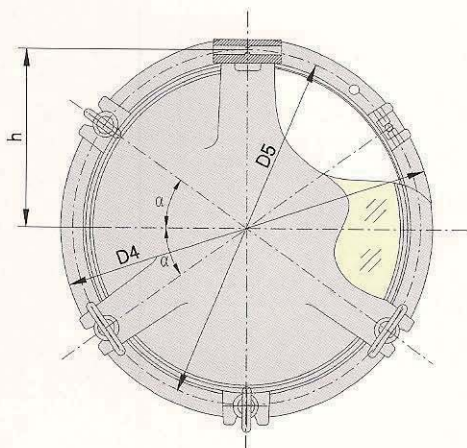
B型 - LB (RB) 式



B型 - LB (RB) 式

类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D1	D2	D3	D4	D5	h	t	α	紧固件数量 QUT OF CLIP		安装螺栓 BOLT		围壁开口 SIZE OF OPENING
											风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	螺纹 WHORL	数量 QUT	
B	LB	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
	RB	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

B型 - SB 式



B型 - SB 式

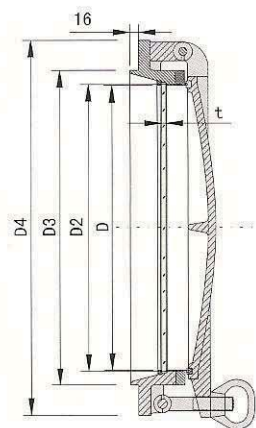
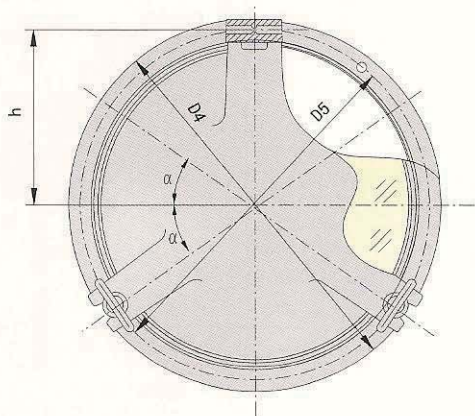
类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D1	D2	D3	D4	D5	h	t	α	紧固件数量 QUT OF CLIP		安装螺栓 BOLT		围壁开口 SIZE OF OPENING
											风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	螺纹 WHORL	数量 QUT	
B	SB	200	245	204	250	350	310	155	8	45°	2	3	M12	8	253
		250	295	254	305	400	364	182	8	48°	2	3	M16	8	308
		300	350	304	360	450	414	207	10	31°	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

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SIDE SCUTTLE FOR SHIPS

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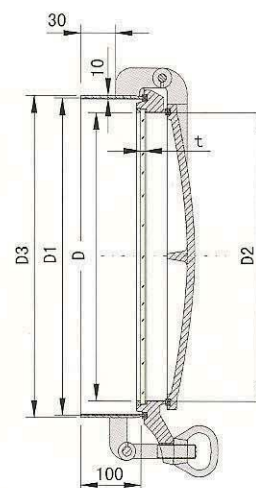
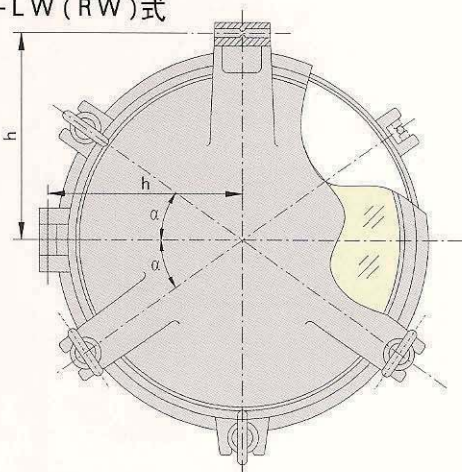
B型 - NB式



B型 - NB式

类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 2	D 3	D 4	D 5	h	t	α	紧固件数量 QUT OF CLIP		安装螺栓 BOLT		围壁开口 SIZE OF OPENING
										风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	螺纹 WHORL	数量 QUT	
B	NB	200	204	250	350	310	155	8	—	2	—	M12	8	253
		250	254	305	400	364	182	8	—	2	—	M16	8	308
		300	304	360	450	414	207	10	31°	3	—	M16	12	363
		350	354	410	500	464	232	12	32°	3	—	M16	12	413
		400	404	460	550	514	257	12	31°	3	—	M18	12	463
		450	454	510	600	564	282	15	31°	3	—	M20	12	513

B型 - LW (RW) 式



B型 - LW (RW) 式

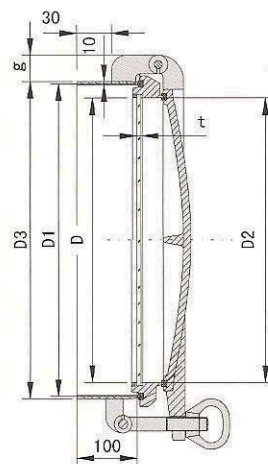
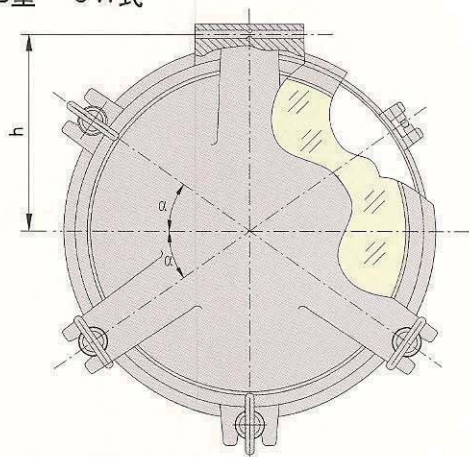
类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 1	D 2	D 3	h	t	α	gmax	紧固件数量 QUT OF CLIP		围壁开口 SIZE OF OPENING
										风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	
B	LW	200	245	204	250	155	8	45°	50	2	3	253
		250	295	254	305	182	8	48°	47.5	2	3	308
		300	350	304	360	207	10	31°	45	3	3	363
		350	400	354	410	232	12	32°	45	3	3	413
	RW	400	450	404	460	257	12	31°	45	3	3	463
		450	500	454	510	282	15	31°	45	3	4	513

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SIDE SCUTTLE FOR SHIPS

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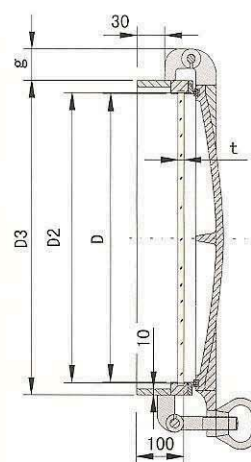
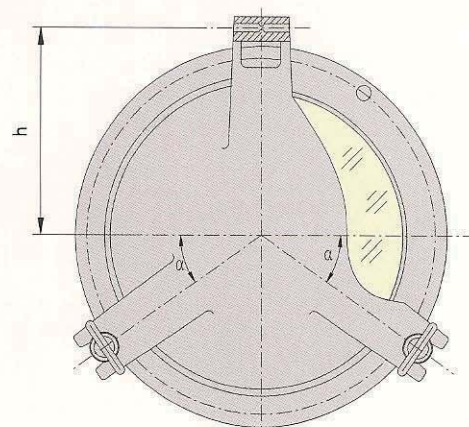
B型 - SW式



B型 - SW式

类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 1	D 2	D 3	h	t	α	gmax	紧固件数量 QUT OF CLIP		围壁开口 SIZE OF OPENING
										风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	
B	SW	200	245	204	250	155	8	45°	50	2	3	253
		250	295	254	305	182	8	42°	47.5	2	3	308
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		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

B型 - NW式



B型 - NW式

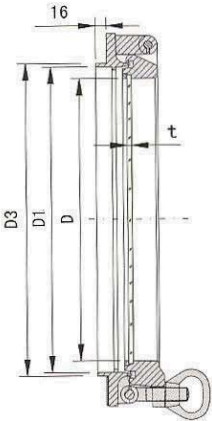
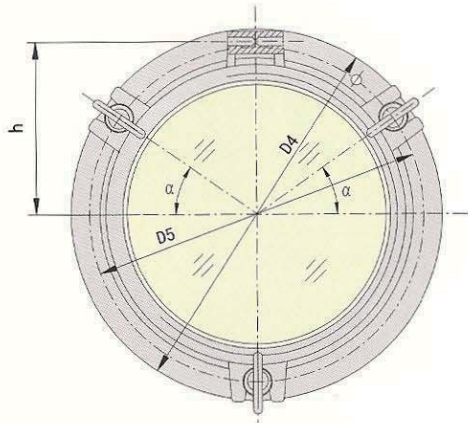
类 型 TYPE	透光尺寸 SIZE OF CLEAR D	D 2	D 3	h	t	α	g_{max}	紧固件数量 QUT OF CLIP		围壁开口 SIZE OF OPENING
								风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	
B	NW	200	204	250	155	—	50	2	3	253
		250	254	305	182	—	47.5	2	3	308
		300	304	360	207	31°	45	3	3	363
		350	354	410	232	32°	45	3	3	413
		400	404	460	257	31°	45	3	3	463
		450	454	510	282	31°	45	3	4	513

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SIDE SCUTTLE FOR SHIPS

C-LB(RB)

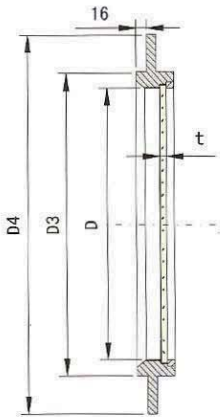
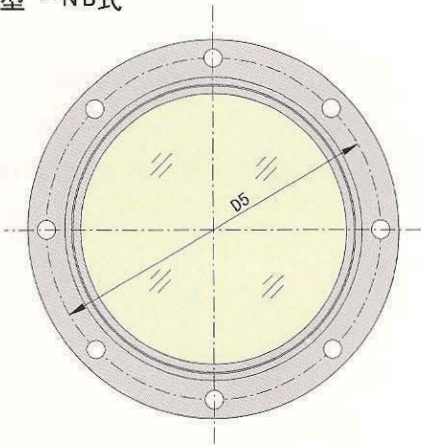
GB/T14413-1993



C型-LB(RB)式

类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 1	D 3	D 4	D 5	h	t	α	紧固件数量 QUT OF CLIP		安装螺栓 BOLT		围壁开口 SIZE OF OPENING
										风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	螺纹 WHORL	数量 QUT	
C	LB	200	245	250	350	310	155	6	45°	—	3	M12	8	253
		250	295	305	400	364	182	6	42°	—	3	M16	8	308
		300	350	360	450	414	207	8	31°	—	3	M16	12	363
	RB	350	400	410	500	464	232	8	32°	—	3	M16	12	413
		400	450	460	550	514	257	10	31°	—	3	M18	12	463
		450	500	510	600	564	282	10	31°	—	4	M20	12	513

C型-NB式



C型-NB式

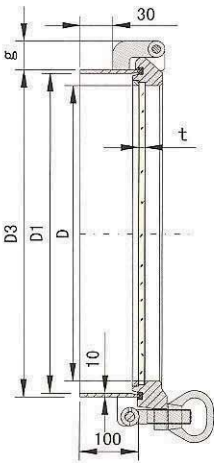
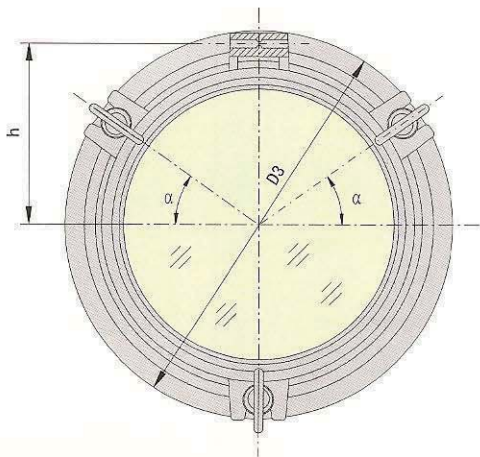
类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 3	D 4	D 5	t	安装螺栓 BOLT		围壁开口 SIZE OF OPENING
							螺纹 WHORL	数量 QUT	
C	NB	200	250	350	310	6	M12	8	253
		250	305	400	364	6	M16	8	308
		300	360	450	414	8	M16	12	363
		350	410	500	464	8	M16	12	413
		400	460	550	514	10	M18	12	463
		450	510	600	564	10	M20	12	513

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SIDE SCUTTLE FOR SHIPS

GB/T14413-1993

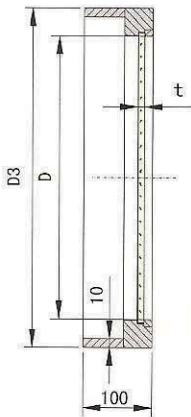
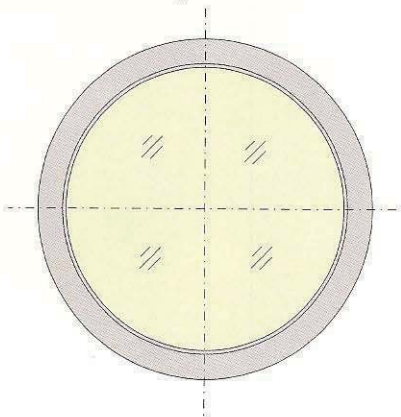
C型 -LW (RW) 式



C型 -LW (RW) 式

类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 1	D 3	h	t	α	gmax	紧固件数量 OUT OF CLIP		围壁开口 SIZE OF OPENING
									风暴盖 DEADLIGHT	窗扇框 GLASS HOLDER	
C	LW	200	245	250	155	6	45°	50	—	3	253
		250	295	305	182	6	42°	47.5	—	3	308
		300	350	360	207	8	31°	45	—	3	363
	RW	350	400	410	232	8	32°	45	—	3	413
		400	450	460	257	10	31°	45	—	3	463
		450	500	510	282	10	31°	45	—	4	513

C型 -NW式



C型 -NW式

类 型 TYPE		透光尺寸 SIZE OF CLEAR D	D 3	t	围壁开口 SIZE OF OPENING
C	NW	200	250	6	253
		250	305	6	308
		300	360	8	363
		350	410	8	413
		400	460	10	463
		450	510	10	513

标记示例

透光尺寸为 300mm，焊接安装左开式 (LW)，钢质主窗框，铜合金窗扇框，钢质棘爪式风暴盖，具有透明钢化玻璃的重型舷窗
舷窗 A300-LW-212J-Y1 GB/T 14413-1993

透光尺寸为 350mm，螺栓安装右开式 (RW)，全铝合金挂钩式风暴盖，具有磨砂钢化玻璃的中型舷窗
舷窗 B350-RB-333G-Y2 GB/T 14413-1993

透光尺寸为 400mm，焊接安装固定式 (NW)，钢质主窗框，铝合金窗扇框，具有透明钢化玻璃无风暴盖轻型舷窗
舷窗 C400-NW-230-Y1 GB/T 14413-1993

船用普通矩形窗

GB/T 5746-2001

MARINE ORDINARY RECTANGULAR WINDOW

适用于船舶干舷甲板以上的上层建筑及甲板室的矩形窗，满足 ISO 3903:1993。
USED FOR THE RECTANGULAR WINDOW OF SUPERSTRUCTURE ABOVE FREEBOARD DECK AND DECK HOUSE,
IT MEETS ISO 3903:1993。

1. 系列 SERIES

N	一般系列 COMMON SERIES	是通常采用的装有钢化安全玻璃的矩形窗 WITH NORMAL SAFETY GLASS
P	耐火系列 FIRE PROTECTION SERIES	是安装于 "A" 或 "B" 级耐火分隔区域的矩形窗 FOR A OR B CLASS FIRE DIVISION
H	加热系列 HEATING SERIES	是装有电加热玻璃的矩形窗 WITH HEATING GLASS

2. 类型 SORT

E	重型矩形窗 HEAVY
F	轻型矩形窗 LIGHT

3. 公称尺寸代号 DIMENSION

代号 CODE	公称尺寸 NOMINAL SIZE WXH	示 图 ILLUSTRATION
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 TYPE PROPERTY

开启形式 OPEN	开启方向 OPEN DIR.		安装方式 INSTALLATION		开向 OPEN CODE	适用代号 (公称尺寸) CODE AVAILABLE			
			螺栓式 BOLTED	焊接式 WELDED		E	F		
	开 式 OPENABLE	(I)	侧铰链 SIDE HINGE	左 开 (L)	B	—	ILB	1-6	1-6
				—	W	ILW			
右 开 (R)			B	—	IRB	4-8	4-9		
				—	W				
上铰链 (T) UP HINGE			B	—	ITB	4-8	4-9		
				—	W			ITW	
(O)		侧铰链 SIDE HINGE	左 开 (L)	B	—	OLB	1-6	1-6	
				—	W	OLW			
		右 开 (R)	B	—	ORB	4-8			4-9
				—	W				
		上铰链 (T) UP HINGE	B	—	OTB	4-8	4-9		
				—	W			OTW	
闭式 FIXED				B	—	NOB	1-8	1-9	
				—	W	NOW			

5. 玻璃厚度 GLASS THICKNESS

矩 形 窗		透光玻璃厚度 (Y1), 括号内为磨砂玻璃厚度 (Y2) GLASS THICKNESS															
系 列	类 型	窗公称尺寸代号 CODE															
		1	2	3	4	5	6	7	8	9							
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 GB/T17434															
	F																
H	E	见 ISO 3434															
	F																

6. 凸肩高度 SHOULD HEIGHT

螺栓式 BOLTED TYPE	开 式 OPENABLE		焊接式 WELDED TYPE	开 式 OPENABLE		实际高度 ACTURE HEIGHT
	闭 式 FIXED			闭 式 FIXED		凸肩实际高度可在 矩形窗定货时确定 THE FIGURE SHOWN THE FIGURE CAN BE DIDICED WHEN ORDER

船用普通矩形窗

MARINE ORDINARY RECTANGULAR WINDOW

GB/T 5746-2001

8. 材料组合代号 CODE OF MATERIAL MADE UP

类 型 TYPE	安装形式 INSTALL METHOD	材 料 MATERIAL			材料组合代号 MATERIAL CODE
		主窗框	窗扇框	玻璃压板	
开 式 OPENABLE	螺栓式 BOLTED	铜 (1)	铜 (1)	铜 (1)	111
		钢 (2)	钢 (2)	钢 (2)	222
		铝 (3)	铝 (3)	铝 (3)	333
	焊接式 WELDED	钢 (2)	铜 (1)	铜 (1)	211
		钢 (2)	钢 (2)	铜 (1)	221
		钢 (2)	钢 (2)	钢 (2)	222
闭 式 FIXED	螺栓式 BOLTED	钢 (2)	铝 (3)	铝 (3)	233
		铜 (1)	无 (0)	铜 (1)	101
		钢 (2)	无 (0)	钢 (2)	202
	焊接式 WELDED	铝 (3)	无 (0)	铝 (3)	303
		钢 (2)	无 (0)	铜 (1)	201
		钢 (2)	无 (0)	钢 (2)	202
		钢 (2)	无 (0)	铝 (3)	203
		钢 (2)	无 (0)	铝 (3)	203

7. 材料代号 CODE OF MATERIAL

材料代号 MATERIAL CODE	材 料 MATERIAL
1	铜材 BRASS
2	钢材 STEEL
3	铝材 ALUMINIUM
0	无 NO

9 .加热系列矩形窗的玻璃代号

电源(电制) POWER SUPPLY			过热保护装置 OVERHEATING PROTECTION	最小功率负载 (W/dm ²)			
电 源 CURRENT	电 压 V	频 率 Hz		7	12	17	
				代 号			
直 流 DC	24	—	G	7G01	12G01	17G01	
			S	7S01	12S01	17S01	
	110	—	G	7G02	12G02	17G02	
			S	7S02	12S02	17S02	
	220	—	G	7G03	12G03	17G03	
			S	7S03	12S03	17S03	
交流单相 AC SINGLE PHASE	115	50	G	7G11	12G11	17G11	
			S	7S11	12S11	17S11	
		60	G	7G12	12G12	17G12	
			S	7S12	12S12	17S12	
	220	50	G	7G13	12G13	17G13	
			S	7S13	12S13	17S13	
		60	G	7G14	12G14	17G14	
			S	7S14	12S14	17S14	
交流三相 AC THREE PHASES	115	50	G	7G31	12G31	17G31	
			S	7S31	12S31	17S31	
		60	G	7G32	12G32	17G32	
			S	7S32	12S32	17S32	
	220	50	G	7G33	12G33	17G33	
			S	7S33	12S33	17S33	
		60	G	7G34	12G34	17G34	
			S	7S34	12S34	17S34	
	220/380	50	G	7G35	12G35	17G35	
			S	7S35	12S35	17S35	
		60	G	7G36	12G36	17G36	
			S	7S36	12S36	17S36	
		440	50	G	7G37	12G37	17G37
				S	7S37	12S37	17S37
			60	G	7G38	12G38	17G38
				S	7S38	12S38	17S38

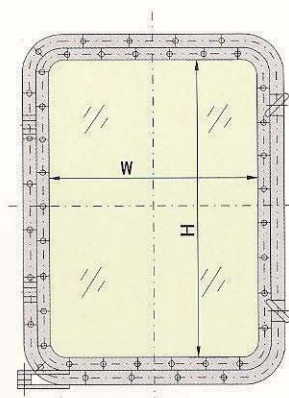
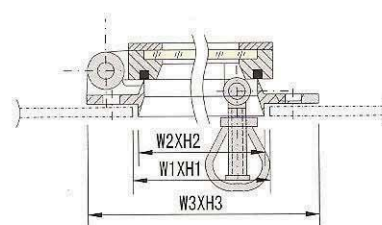
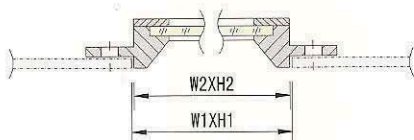
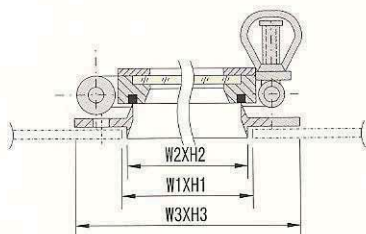
注：1、G表示按组调整，S表示单件调整，见 ISO3434:1992 的 5.4
2、在近地极区域航行需要较大的电载荷时，应同窗和制造商或加热玻璃的生产商进行磋商

船用普通矩形窗

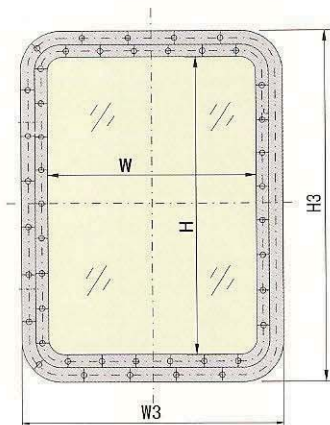
MARINE ORDINARY RECTANGULAR WINDOW

GB/T 5746-2001

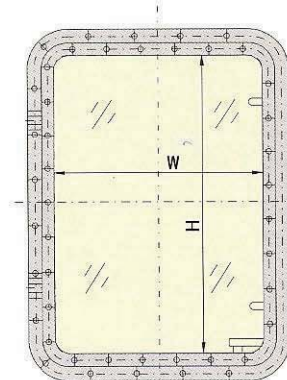
10. 螺栓式矩形窗 BOLT FIXED RECTANGULAR WINDOW



ILB
IRB

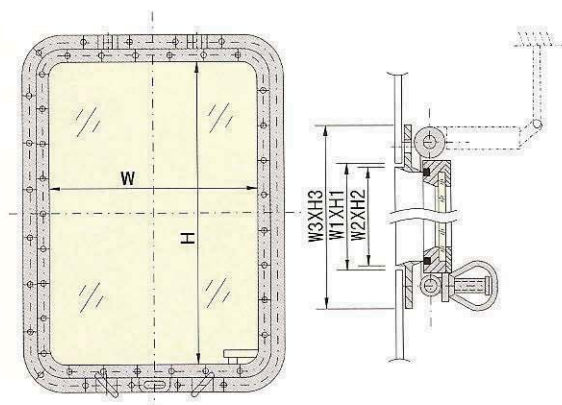


NOB



OLB
ORB

系列	类型	代号	公称尺寸	围壁开孔			窗座		开向型式
SERIES	TYPE	CODE	NOMINAL SIZE	OPENING SIZE			WINDOW SEAT		OPEN TYPE
			WXH	W1XH1	r	W2XH2	W3XH3		
N	E	1	300X425	352X477	76	348X473	430X555	ILB	
		2	355X500	407X552	76	403X548	485X630		
		3	400X560	452X612	76	448X608	530X690		
		4	450X630	502X682	126	498X678	580X760		
P	F	5	500X710	552X762	126	548X758	630X840	OLB	
		6	560X800	612X852	126	608X848	690X930	ORB	
H	F	7	900X630	952X682	126	948X678	1030X760	OTB	
		8	1000X710	1052X762	126	1048X758	1130X840	NOB	
		9	1100X800	1152X852	126	1148X848	1230X930		



ITB
OTB

标记示例

1、一般系列螺栓式矩形窗 (N)

一般系列 (N), 重型 (E), 公称尺寸 450X630mm (代号 4), 凸肩高度 16mm, 侧铰链左内开螺栓式 ILB, 材料组合为 111, 透光玻璃 (Y1) 的矩形窗:
矩形窗 N-E4X16-ILB-111-Y1 GB/T 5746-2001

2、耐火系列螺栓式矩形窗

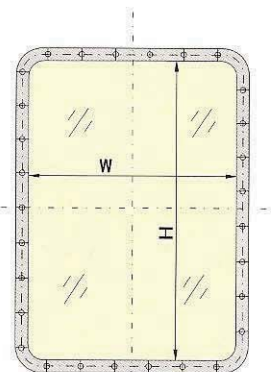
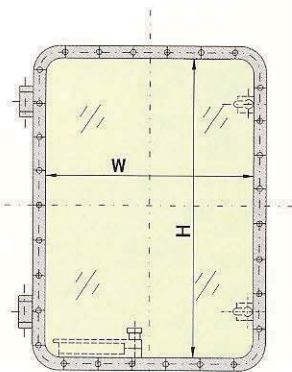
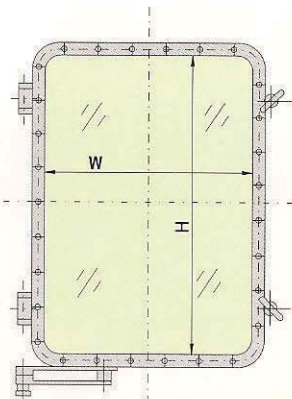
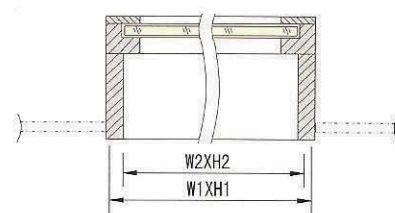
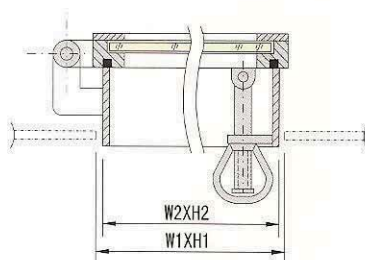
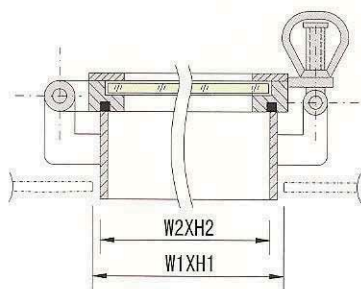
耐火系列 (P), 轻型 (F), 公称尺寸 500X710mm (代号 5), 凸肩高度 16mm, 上铰链内上开螺栓式 ITB, 材料组合为 111, 耐火玻璃 B-15 的矩形窗:
矩形窗 P-F5X16-ITB-111-B-15 GB/T 5746-2001

船用普通矩形窗

MARINE ORDINARY RECTANGULAR WINDOW

GB/T 5746-2001

11、焊接式矩形窗 WELDED RECTANGULAR WINDOW

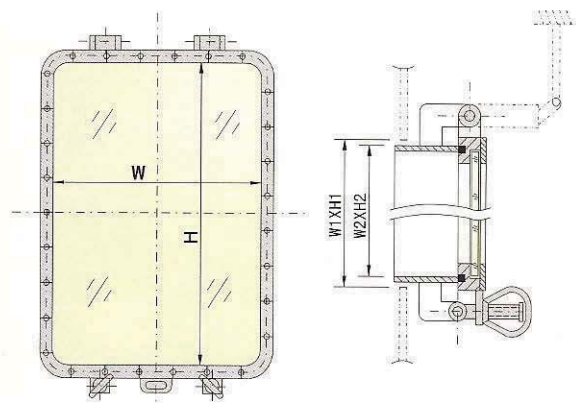


ILW
IRW

OLW
ORW

NOW

系列 SERIES	类型 TYPE	代号 CODE	公称尺寸 NOMINAL SIZE	围壁开孔 OPENING SIZE		窗座 WINDOW SEAT	开向型式 OPEN TYPE
			WXH	W1XH1	r	W2XH2	
N	E	1	300X425	352X477	76	348X473	ILW
		2	355X500	407X552	76	403X548	
		3	400X560	452X612	76	448X608	IRW
		4	450X630	502X682	126	498X678	ITW
P	F	5	500X710	552X762	126	548X758	OLW
		6	560X800	612X852	126	608X848	ORW
H	F	7	900X630	952X682	126	948X678	OTW
		8	1000X710	1052X762	126	1048X758	NOW
		9	1100X800	1152X852	126	1148X848	



ITW
OTW

标记示例

1、一般系列焊接式矩形窗 (N)

一般系列 (N), 轻型 (F), 公称尺寸 400X560mm (代号 3), 凸肩高度 30mm, 上铰链外上开焊接式 OTW, 材料组合为 211, 磨砂玻璃 (Y2) 的矩形窗:
矩形窗 N-F3X30-OTW-211-Y2 GB/T 5746-2001

2、加热系列焊接式矩形窗 (H)

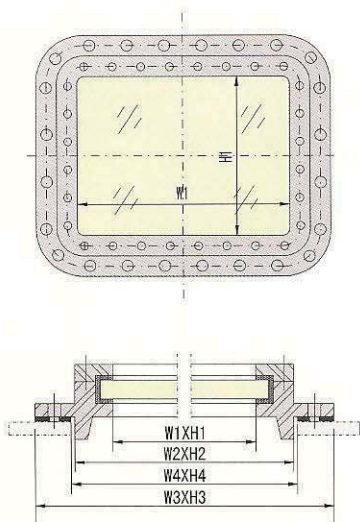
加热系列 (H), 轻型 (F), 公称尺寸 1000X710mm (代号 8), 凸肩高度 30mm, 固定型焊接式 (NOW), 材料组合为 201, 单件调整, 带过热保护装置, 功率负载 17W/dm², 交流三相 220/380V 60Hz 电源供电的加热玻璃 (代号 17S36) 的矩形窗:
矩形窗 H-F8X30-NOW-201-17S36 GB/T 5746-2001

驾驶室固定矩形窗

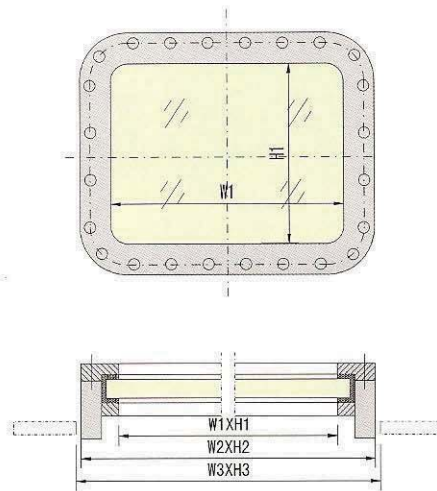
FIXED RECTANGULAR WINDOW FOR WHEEL HOUSE

CB/T 3226-1995

A 型— 固定铝质矩形窗
TYPE A-BOLTED (ALUMINIUM ALLOY)



B 型— 焊接固定钢质矩形窗
TYPE B-WELDED FIXED (STEEL)



驾驶室固定矩形窗安装的电加热玻璃应符合 ISO 3434 的规定，玻璃所需功率负荷及其参数按下表规定

类型 TYPE	窗框形式 FRAME	名称 DETAILS	窗框材质 FRAME MATERIAL
A	BH	电加热玻璃螺栓固定式矩形窗 BOLTED, HEATING GLASS	铝合金 ALU. ALLOY
	BN	钢化玻璃螺栓固定式矩形窗 BOLTED, SAFTY GLASS	
B	WH	电加热玻璃焊接式固定矩形窗 WELDED, HEATING GLASS	碳素钢 CARBON STEEL
	WN	钢化玻璃焊接式固定矩形窗 WELDED, SAFTY GLASS	

电源 POWER			过热保护装置 OVERHEATING PROTECTION	最小功率负载 W/dw ²		
电 源	电 压 V	频 率 Hz		7 代	12 号	17 CODE
直 流 DC	24	—	G	7G01	12G01	17G01
			S	7S01	12S01	17S01
			G	7G02	12G02	17G02
			S	7S02	12S02	17S02
	110	—	G	7G03	12G03	17G03
			S	7S03	12S03	17S03
	220	—	G	7G03	12G03	17G03
			S	7S03	12S03	17S03

类型	公称尺寸	窗 座		围壁开口		玻璃厚		重 量	
TYPE	NOMINAL DIM.	WINDOW	SEAT	BULKHEAD	OPENING	GLASS TH.		KG	
	W1XH1	W2XH2	W3XH3	W4XH4	R	BH	BN	BH	BN
A	800X630	848X678	930X760	852X682	126	12	15	25.5	25.9
	800X710	848X758	930X840	852X762		12	15	28.1	28.7
	900X630	948X678	1030X760	952X682		12	17	28.2	30.0
	900X710	948X758	1030X840	952X762		12	17	30.9	32.9
	900X800	948X848	1030X930	952X852		12	17	33.9	36.1
	1200X630	1248X678	1330X760	1252X682		15	20	41.6	44.0
	1200X710	1248X758	1330X840	1252X762		15	20	45.9	48.6
	1200X800	1248X848	1330X930	1252X852		15	20	50.6	53.6
	1500X710	1548X758	1630X840	1552X762		15	20	56.1	59.4
	1500X800	1548X848	1630X930	1552X852		15	20	61.2	64.9
	1800X710	1848X758	1930X840	1852X762		15	20	66.3	70.3
	1800X800	1848X848	1930X930	1852X852		15	20	72.4	76.8
	1800X900	1848X948	1930X1030	1852X952		15	20	77.5	82.5

类型 TYPE	公称尺寸 NOMINAL DIM.	窗 座 WINDOW SEAT	围壁开口 BULKHEAD OPENING		玻璃厚 GLASS TH.		重 量 KG	
	W1XH1	W2XH2	W3XH3	R	WH	WH	WH	WN
B	800X630	848X678	852X682	126	12	15	41.3	41.8
	800X710	848X758	852X762		12	15	44.2	44.8
	900X630	948X678	952X682		12	17	45.1	46.9
	900X710	948X758	952X762		12	17	48.5	50.5
	900X800	948X848	952X852		12	17	52.4	54.6
	1200X630	1248X678	1252X682		15	20	60.9	63.3
	1200X710	1248X758	1252X762		15	20	66.6	69.2
	1200X800	1248X848	1252X852		15	20	72.2	75.2
	1500X710	1548X758	1552X762		15	20	79.8	83.1
	1500X800	1548X848	1552X852		15	20	86.4	90.1
	1800X710	1848X758	1852X762		15	20	93.1	97.1
	1800X800	1848X848	1852X852		15	20	100.4	104.8
	1800X900	1848X948	1852X952		15	20	108.6	113.6

标记示例

公称尺寸 900X630mm 钢化玻璃的螺栓式驾驶室固定矩形窗

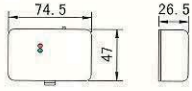
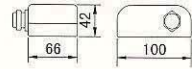
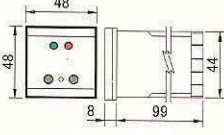
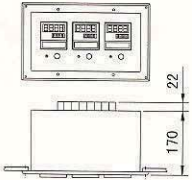
驾驶室窗 BN-900X630 CB/T 3226-1995

公称尺寸 1500X800mm 电加热玻璃，电热丝加热，最小功率负荷为 12W/dm²，过热保护装置为成组调节器，电源为交流单相，电压 220V，频率 60HZ (12G 14) 的焊接式驾驶室固定矩形窗

驾驶室窗 WH-1500X800 12G 14 CB/T 3226-1995

驾驶室电加热玻璃温控系统 *

TEMPERATURE CONTROL SYSTEM FOR HEATING GLASSES IN WHEELHOUSE

类 型 TYPE	示意图 SKETCH	简 要 说 明 INSTRUCTION
WK03		浅黄色外壳，输入电压 220VAC 或 110VAC，最大输出电流 16A，热敏电阻 TTF-103， 出厂前贴在玻璃上，装拆玻璃方便，出厂设定的温度调控范围为 36°C-40°C。 Light yellow shell, input power 220VAC or 110VAC, Max. output current 16A, sensor TTF103 The controller is pasted on the glass before delivery with convenience for mounting and dismounting glass. The initial temperature range is 36°C-40°C
WK07		黑色外壳，输入电压 220VAC 或 110VAC，最大输出电流 30A，热敏电阻 TTF-103， 出厂前贴在玻璃上，防护性能好，装拆玻璃方便，能防止玻璃过热烧坏， 出厂设定的温度调控范围为 36°C-40°C。 Black shell, input power 220VAC or 110VAC, Max. output current 30A, sensor TTF103. The controller is pasted on the glass before delivery with good protection grade and convenience for mounting and dismounting glass, and also, could protect the glass from failure result from overhot. The initial temperature range is 36°C-40°C
WK08		输入电压 220VAC 或 110VAC，最大输出电流 30A，热敏电阻 TTF-103， 装在驾控台上，出厂设定的温度调控范围为 36°C-40°C。 Input power 220VAC or 110VAC, Max. output current 30A, sensor TTF103 The controller could be mounted on the console, The initial temperature range is 36°C-40°C
WK10A	 图示为三合一 SKETCH IS THREE UNITS	输入电压 220VAC 或 110VAC，最大输出电流 30A，热敏电阻 PT100，装在驾控台上， 仪表显示玻璃的当前温度，可按客户要求将数个温控器单元组合在一起，单独控制各块玻璃， 出厂设定的温度调控范围为 36°C-40°C。 Input power 220VAC or 110VAC, Max. output current 30A, sensor PT100 The controller is mounted on the console, the current temperature of the glass is displayed on the instrument. Some units could be integrated and control the glasses respectively. The initial temperature range is 36°C-40°C

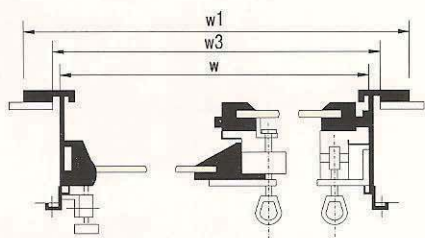
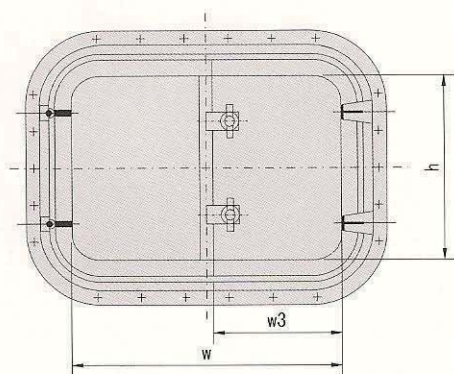
* 驾驶室电加热玻璃温控系统是本公司针对驾驶室电加热窗如何更好的实现加热、调温而单独引进或开发的系统。

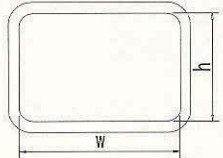
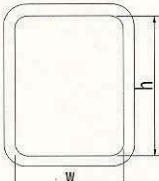
用户订货时可根据需要选择适宜的温控类型。

铝质移窗

ALUMINIUM SLIDING WINDOW

CB/T3765-1996



序号 CODE	公称尺寸 wxh NOMINAL SIZE	例图 ILLUSTRATION
1	740X500	
2	830X560	
3	930X630	
4	1030X710	
5	500X630	
6	600X710	
7	750X800	

公称尺寸 wxh	单扇窗 透光尺寸 wxhxr	窗座尺寸		围壁开孔尺寸	玻璃外形尺寸		窗座安装 螺栓数量 (个)	最大允许压力 KPa		重量 Kg	
		w1xh1x1r	w2xh2xr2	w3xh3xr3	厚度 t	w4xh4xr4		t=8	t=6	t=8	t=6
740X500	355X500X50	828X588X94	890X650X125	840X600X100	6、8	373X518X58	20	45	26	20.0	18.9
830X560	400X560X50	918X648X94	980X710X125	930X660X100		418X578X58	24	36	21	21.9	20.7
930X630	450X630X100	1018X718X144	1080X780X175	1030X730X150		468X648X108	26	28	16	24.8	23.3
1030X710	500X710X100	1118X798X144	1180X860X175	1130X810X150		518X728X108	30	23	13	28.0	26.1
500X630	235X630X50	588X718X94	650X780X125	600X730X100		253X648X58	18	66	37	18.6	17.8
600X710	285X710X50	688X798X94	750X860X125	700X810X100		303X728X58	22	46	26	21.5	20.4
750X800	360X800X50	838X888X94	900X950X125	850X900X100		378X818X58	26	30	18	25.6	24.0

标记示例

公称尺寸为 600X710mm 玻璃厚度为 8mm 的铝质移窗

铝质移窗 600X710-8 CB/T 3765-1996

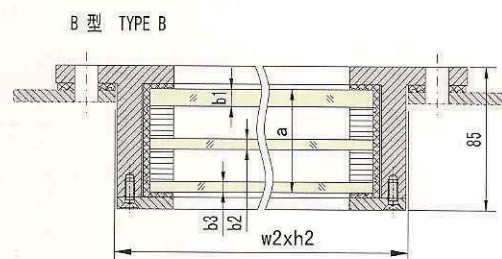
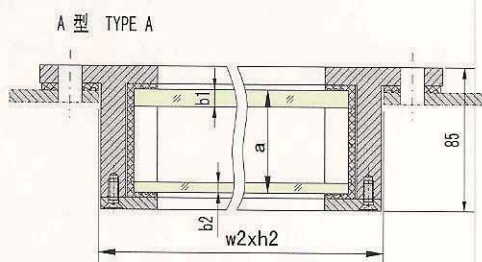
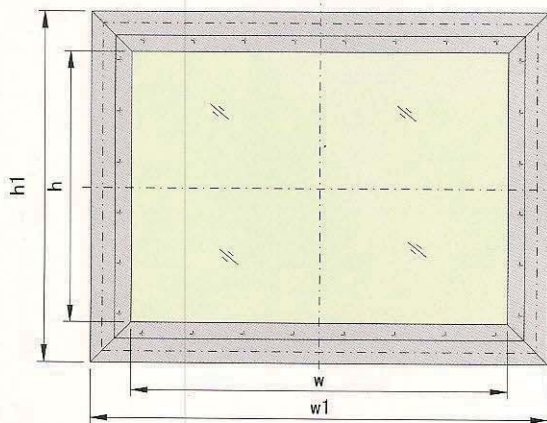
铝合金中空玻璃隔声窗

ALUMINIM ALLOY SOUND PROOF WINDOW

CB/T3917-2007

适用于各种舰船上需要隔声、隔热、保温要求的舱室。

USED FOR THE CABIN WHICH NEEDS SOUNDPROOF, HEAT INSULATION AND KEEPING TEMPERATURE.



A 型 TYPE A

B 型 TYPE B

mm

公称尺寸 NOMINAL SIZE	外形尺寸 SIZE OF OUT SIDE	围壁开口 SIZE OF OPENING	玻璃厚度 GLASS THICK				窗框螺钉 INSTALL BOLT	平均隔声量 SOUND PROOF	重量 WEIGHT	
wxh	w1xh1	w2xh2	a	b1	b2	b3	个数 QTY	直径 DIM	TL (dB)	Kg
500X710	640X850	570X780	60	6	6	6	22	M12	≥ 31	25.86
900X630	1040X770	970X700					26		≥ 31.8	35.48
1000X800	1140X940	1070X870					32		≥ 35	49.23
1200X800	1340X940	1270X870		34			≥ 34		56.87	
1400X800	1540X940	1470X870		36			≥ 33		70.11	
1600X1000	1740X1140	1670X1070	10				40		≥ 32	93.39
1800X1200	1940X1340	1870X1270					44		≥ 30.5	119.9

mm

mm

公称尺寸 NOMINAL SIZE	外形尺寸 SIZE OF OUT SIDE	围壁开口 SIZE OF OPENING	玻璃厚度 GLASS THICK				窗框螺钉 INSTALL BOLT	平均隔声量 SOUND PROOF	重量 WEIGHT	
wxh	w1xh1	w2xh2	a	b1	b2	b3	个数 QTY	直径 DIM	TL (dB)	Kg
500X710	640X850	570X780	60	6	6	6	22	M12	≥ 31.3	31.2
900X630	1040X770	970X700					26		≥ 31.3	43.97
1000X800	1140X940	1070X870					32		≥ 37.1	61.23
1200X800	1340X940	1270X870		34			≥ 37.1	71.27		
1400X800	1540X940	1470X870		36			≥ 36.6	86.91		
1600X1000	1740X1140	1670X1070		40			≥ 36.6	117.39		
1800X1200	1940X1340	1870X1270	10				44		≥ 36.6	152.28

mm

标记示例：

公称尺寸为 1000mmX800mm 的 A 型隔声窗
隔声窗 CB/T 3917-2007 A1000X800

公称尺寸为 1000mmX800mm 的 B 型隔声窗
隔声窗 CB/T 3917-2007 B1000X800

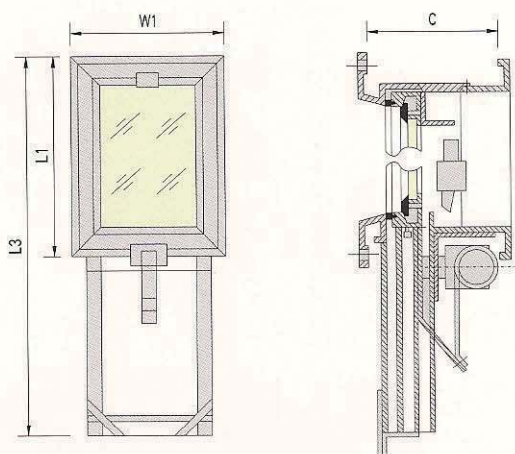
铝质衡力升降式船用窗

ALUMINIUM BALANCED LIFT MARINE WINDOW

CB/T 3755-1995

本产品开启轻便、灵活、外形美观，密封性能可靠等特点，广泛选用于各类船舶。

ITS ADVANTAGE IS FLEXIBLE-OPENING, GOOD OUTLINE AND RELIABLE TIGHTNESS, USED FOR VARIOUS KIND OF SHIPS.



公称尺寸 NOMINAL SIZE WXL	外形尺寸 SIZE OF OUTSIDE		围壁开口 SIZE OF OPENING W2XL2	玻璃厚度 GLASS THICKNESS
	90 ≤ C ≤ 120	C > 120		
300X425	424X 1050 550	424X 970 550	378X503	5、6
355X500	480X 1200 625	480X 1120 625	433X578	5、6
400X560	524X 1320 685	524X 1240 685	478X638	5、6
450X630	574X 1460 755	574X 1380 755	528X708	5、6
500X710	624X 1620 835	624X 1540 835	578X778	6、8
560X800	684X 1800 925	684X 1720 925	638X878	6、8
900X630	1024X 1460 755	1024X 1380 755	978X708	6、8
1000X710	1124X 1620 835	1124X 1540 835	1078X788	8、10
1100X800	1224X 1800 925	1224X 1720 925	1178X878	8、10

标记示例

透光尺寸为 400X560 mm，C 为 90 的铝质衡力升降式船用窗

铝质衡力窗 400X560-90 CB/T3755-1995

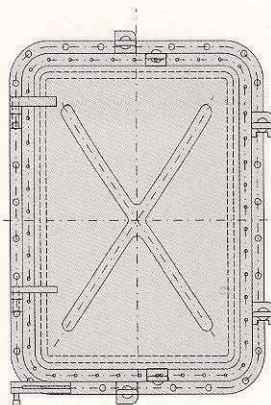
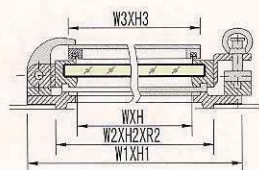
带风暴盖内开侧铰链铝质矩形窗

ALUMINIUM INWARD SIDE-HINGED RECTANGULAR WINDOW WITH DEADLIGHT

261WHL 057-00

本产品已广泛用于军舰、化学品船、高速船舶，密封性好。

USED WIDELY FOR WARSHIP, CHEMICAL CARRIER AND HIGH SPEED VESSEL GOOD TIGHTNESS.



类型 TYPE	透光尺寸 SIZE OF CLEAR WXH	外形尺寸 SIZE OF OUTSIDE W1XH1	围壁开口尺寸 SIZE OF OPENING W2XH2XR2	风暴盖尺寸 SIZE OF DEADLIGHT W3XH3
左内 L1	300X425	420X545	352X477X76	326X451
	355X500	475X620	407X552X76	381X526
	400X560	520X680	452X612X76	426X586
右内 R1	450X630	570X750	502X682X126	476X656
	500X710	620X830	552X762X126	526X736
	560X800	680X920	612X852X126	586X826

标记示例

透光尺寸为 450X630mm 左内开 (L1) 带风暴盖内开侧铰链铝质矩形窗

带风暴盖矩形窗 450X630-L1 261WHL057-00

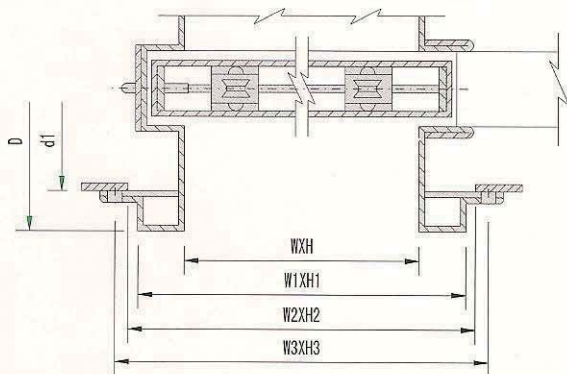
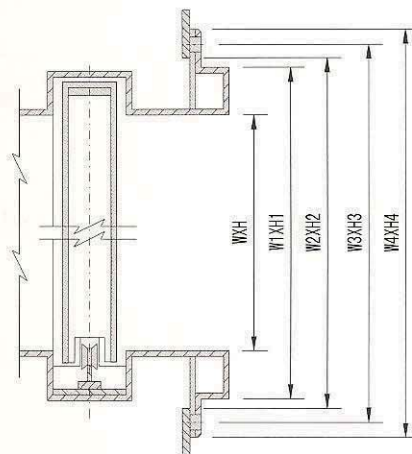
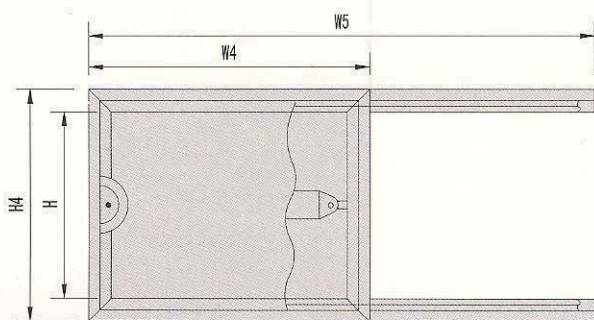
阻火型服务窗

FIRE RESISTANCE SERVICE WINDOW

CB * 3288-1987

本产品适用于厨房、配餐间、储藏室、小卖部等场所。

USED FOR GALLEY、PANTRY、STORE AND SHOP, ETC. OF SHIP.



类 型 TYPE	透光尺寸 SIZE OF CLEAR LIGHT WXH	围壁开口 SIZE OF OPENING W2XH2	窗框尺寸 SIZE OF FRAME			滑轨长度 SLIDEWAY W5	窗框深度 FRAME DEPTH		重 量 Kg	
			W1XH1	W3XH3	W4XH4		D	d1	不 锈 钢	铝 合 金
									STAINLESS STEEL	ALUMINIUM
									A	B
A	630X500	696X566	690X560	720X590	750X620	1350	180	120	31.8	16.2
	900X630	966X696	960X690	990X720	1020X750	1890			45.7	23.2
	1100X800	1167X867	1160X860	1190X890	1220X920	2290	220	160	62.6	31.8
	1400X1000	1467X1067	1460X1060	1490X1090	1520X1120	2890			86.8	44.5
B	1800X1100	1868X1168	1860X1160	1890X1190	1920X1220	3690	260	200	115.2	59.2
	2300X1200	2368X1268	2360X1260	2390X1290	2420X1320	4690			148.8	76.5

标记示例

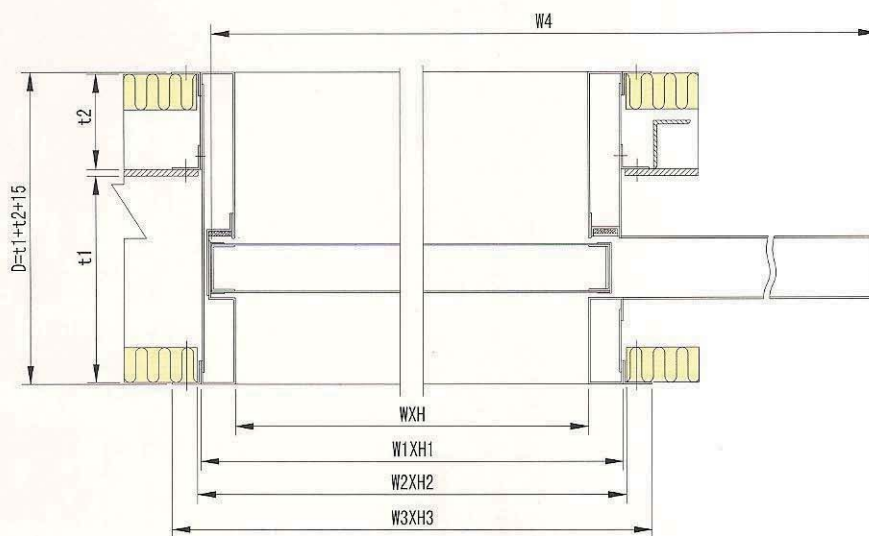
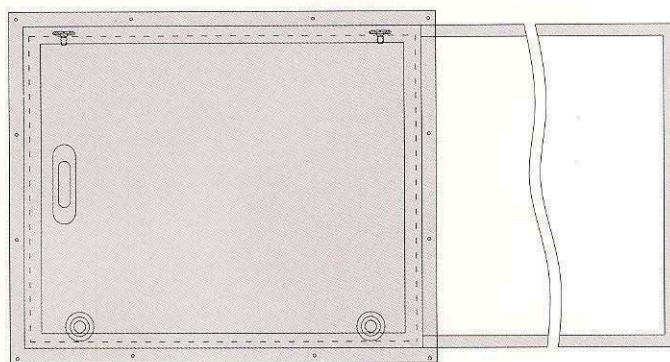
透光尺寸为 630X500 A 型阻火服务窗

阻火型服务窗 A 630X500 CB*3288-1987

A0、A15 防火服务窗

A0、A15 FIREPROOF SERVICE WINDOW

261WHL028-00



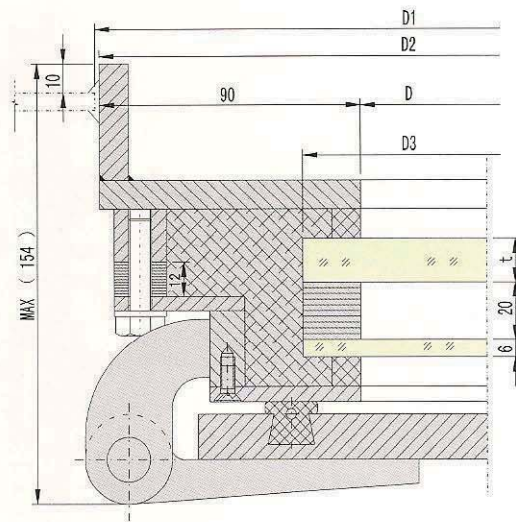
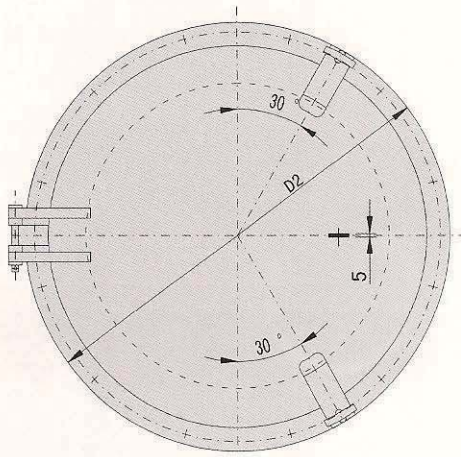
mm

透光尺寸 SIZE OF CLEAR LIGHT	围壁开口 SIZE OF OPENING	窗框尺寸 SIZE OF FRAME		滑轨长度 SLIDEWAY	窗框深度 FRAME DEPTH			重量 WEIGHT
WXH	W2XH2	W1XH1	W3XH3	W4	D	t1	t2	Kg
630X500	696X566	690X560	750X620	1350	185	100	70	33.1
900X630	966X696	960X690	1020X750	1890				47.3
1100X800	1167X867	1160X860	1220X920	2290	225	110	100	64.6
1400X1000	1467X1067	1460X1060	1520X1120	2890				89.3
1800X1100	1868X1168	1860X1160	1920X1220	3690	265	140	110	118.2
2300X1200	2368X1268	2360X1260	2420X1320	4690				152.4

A60 级防火舷窗

A60 CLASS FIREPROOF SIDE SCUTTLE

261 WHL061-00



mm

序 号 NO.	公称尺寸 NOMINAL SIZE D	围壁开孔尺寸 B. H. OPENING SIZE 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
				重型 HEAVY	中型 MEDIUM	
1	φ 200	φ 383	φ 380	10	8	φ 240
2	φ 250	φ 433	φ 430	12	8	φ 290
3	φ 300	φ 483	φ 480	15	10	φ 340
4	φ 350	φ 533	φ 530	15	12	φ 390
5	φ 400	φ 583	φ 580	19	12	φ 440
6	φ 450	φ 633	φ 630	19	15	φ 490

标记示例

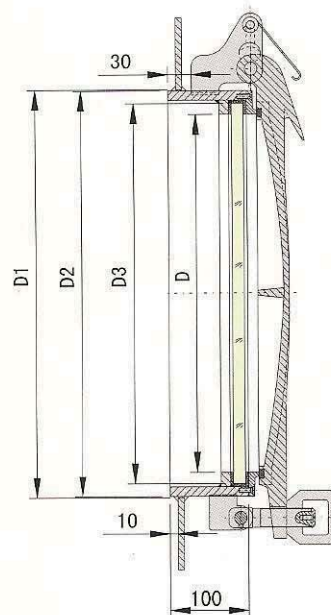
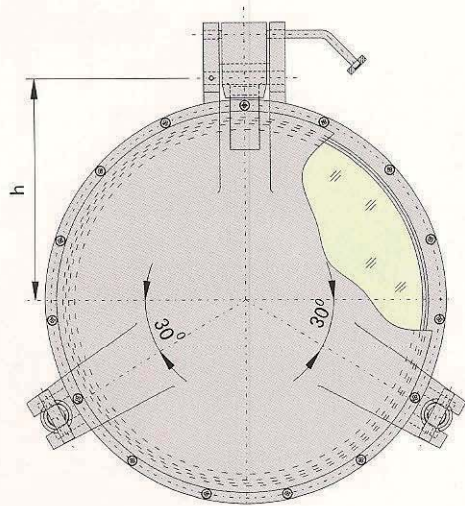
透光尺寸为φ 450mm 的 A60 级防火舷窗

A60 舷窗 φ 450 261WHL061-00

A0 级防火舷窗

A0 CLASS FIREPROOF SIDE SCUTTLE

261 WHL065-00



mm

序 号 NO.	公称尺寸 NOMINAL SIZE D	围壁开孔尺寸 B. H. OPENING SIZE 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
				重型 HEAVY	中型 MEDIUM	
1	Φ 200	Φ 253	Φ 250	10	8	Φ 228
2	Φ 250	Φ 308	Φ 305	12	8	Φ 278
3	Φ 300	Φ 363	Φ 360	15	10	Φ 328
4	Φ 350	Φ 413	Φ 410	15	12	Φ 378
5	Φ 400	Φ 460	Φ 463	19	12	Φ 428
6	Φ 450	Φ 513	Φ 510	19	15	Φ 478

标记示例

透光尺寸为 Φ 450mm 的 A0 级防火舷窗

A0 舷窗 Φ 450 261WHL065-00

A60级防火矩形窗

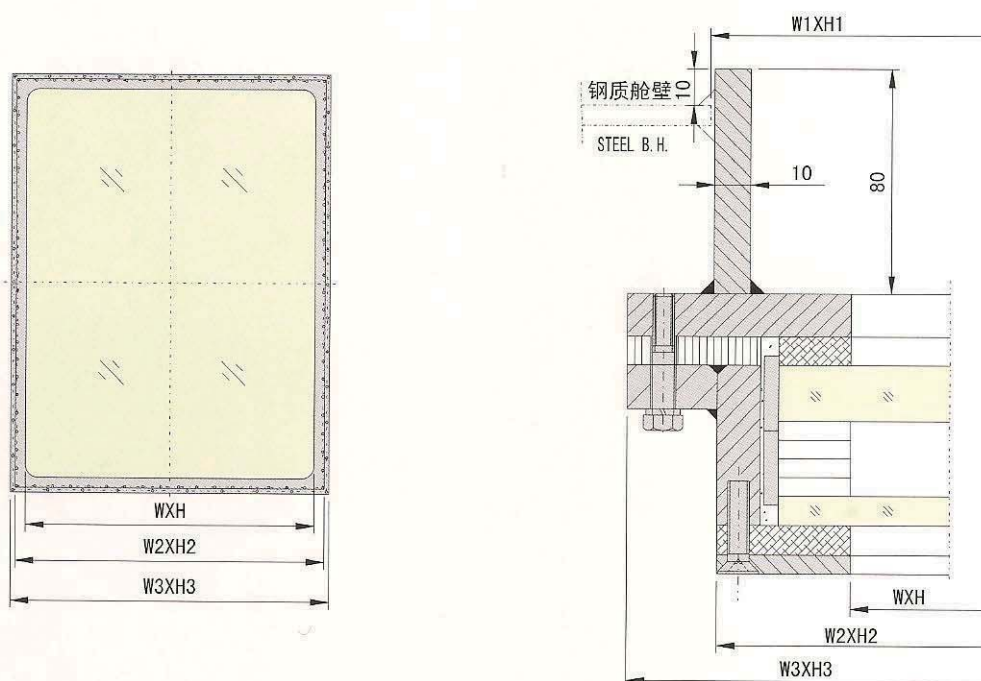
261WHL059A-00

A60 GLASS FIREPROOF RECTANGULAR WINDOW

适用于各类船舶闪点小于 60°C 的油船，钻井平台，液化气船和化学品船等。

USED FOR OIL TANKER WITH FLASH POINT < 60°C, DRILLING PLATFORM, CHEMICAL

TANKER AND L. P. G VESSEL.



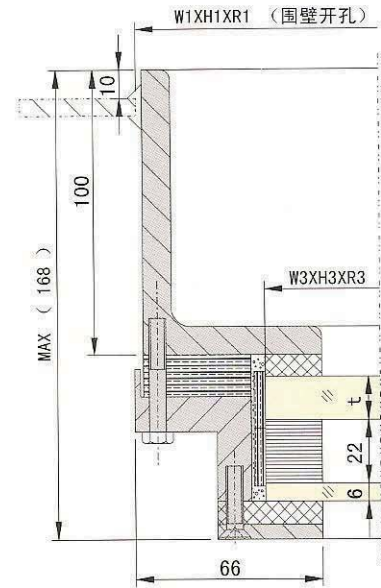
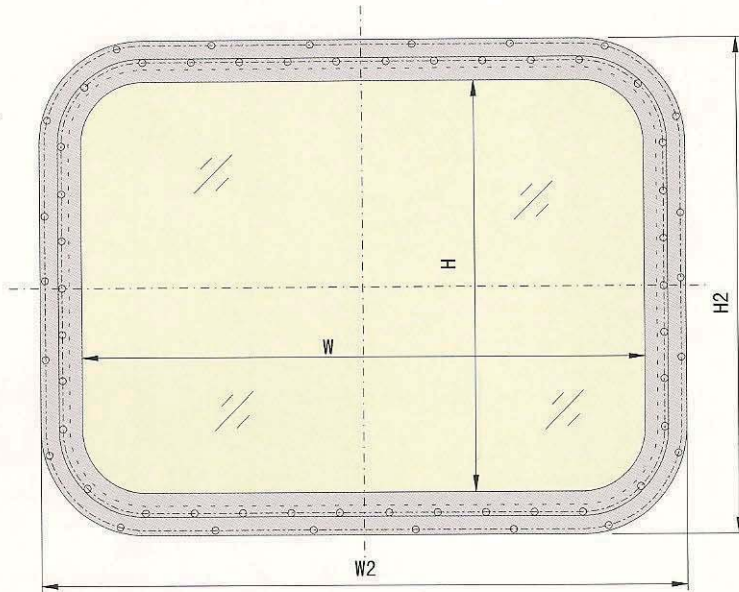
mm

公称尺寸 NOMINAL SIZE W X H	围壁开孔尺寸 B.H OPENING SIZE W1 X H1 X R	压框尺寸 SIZE OF FRAME W2 X H2	外形尺寸 SIZE OF OUTLINE W3 X H3	重量 kg WEIGHT	
				E	F
355X500	435X580XR76	429X574	479X624	54	53
400X560	480X640XR76	474X634	524X684	62	60
450X630	530X710XR126	524X704	574X754	64	62
500X700	580X780XR126	574X774	624X824	75	67
560X800	640X880XR126	634X874	684X924	94	88
900X630	980X710XR126	974X704	1024X754	111	98
1000X710	1080X790XR126	1074X784	1124X834	145	134
1100X800	1180X880XR126	1174X874	1224X924	150	138
1200X800	1280X880XR126	1274X874	1324X924	163	151
1500X800	1580X880XR126	1574X874	1624X924	203	188
1800X900	1880X980XR126	1874X974	1924X1024	250	237
1600X1200	1680X1280XR126	1674X1274	1724X1324	296	280

A60 级防火矩形窗

A60 CLASS FIREPROOF RECTANGULAR WINDOW

261 WHL059X-00



mm

序 号 NO.	公称尺寸 NOMINAL SIZE WXH	围壁开孔尺寸 B. H. OPENING SIZE W1XH1XR1	外形尺寸 SIZE OF OUTSIDE W2XH2	主玻璃厚度 MAIN GLASS THICK. t		玻璃尺寸 SIZE OF GLASS W3XH3XR3
				重型 HEAVY	中型 MEDIUM	
1	355X500	485X630XR115	487X632	10	8	395X540XR70
2	450X630	580X760XR165	582X762	12	8	490X670XR120
3	500X710	630X840XR165	632X842	15	10	540X750XR120
4	900X630	1030X760XR165	1032X762	15	12	940X670XR120
5	1100X710	1230X840XR165	1232X842	19	12	1140X750XR120
6	1200X800	1330X930XR165	1332X932	19	15	1240X840XR120

标记示例

透光尺寸为 900X630mm 的 A60 级防火矩形窗

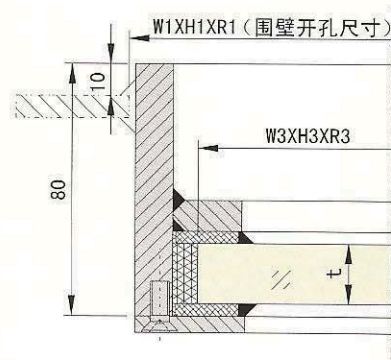
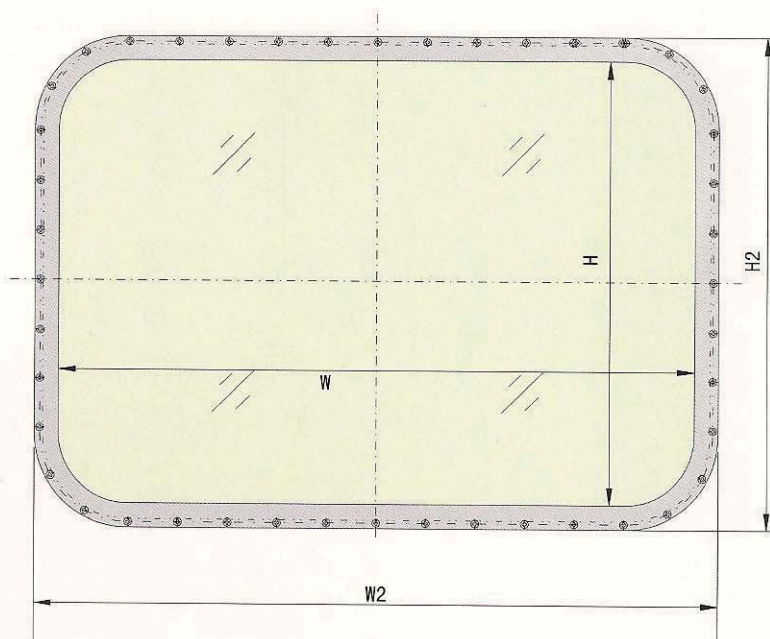
A60 矩形窗 900X630 261WHL059X-00

A0 级防火矩形窗

A0 CLASS FIREPROOF RECTANGULAR WINDOW

261 WHL062-00

261 WHL063-00



mm

序 号 NO.	公称尺寸 NOMINAL SIZE WXH	围壁开孔尺寸 B. H. OPENING SIZE W1XH1XR1	外形尺寸 SIZE OF OUTSIDE W2XH2	玻璃厚度 GLASS THICK. t		玻璃尺寸 SIZE OF GLASS W3XH3XR3	图 号 DRAWING NO.
				重型 HEAVY	中型 MEDIUM		
1	355X500	429X574XR87	425X570	10	8	385X530XR65	261 WHL062-00
2	450X630	524X704XR137	520X700	12	8	480X660XR115	
3	500X710	574X784XR137	570X780	15	10	530X740XR115	
4	900X630	974X704XR137	970X700	19	12	930X660XR115	
5	1200X800	1274X874XR137	1270X870	19	12	1230X830XR115	
6	1500X1000	1574X1074XR137	1570X1070	19	15	1530X1030XR115	
7	1500X1200	1604X1304XR126	1600X1300	22	19	1560X1260XR106	261 WHL063-00
8	1800X1500	1904X1604XR126	1900X1600	22	19	1860X1560XR106	
9	2000X1600	2104X1704XR126	2100X1700	22	19	2060X1660XR106	
10	2400X1700	2504X1804XR126	2500X1800	22	19	2460X1760XR106	

标记示例

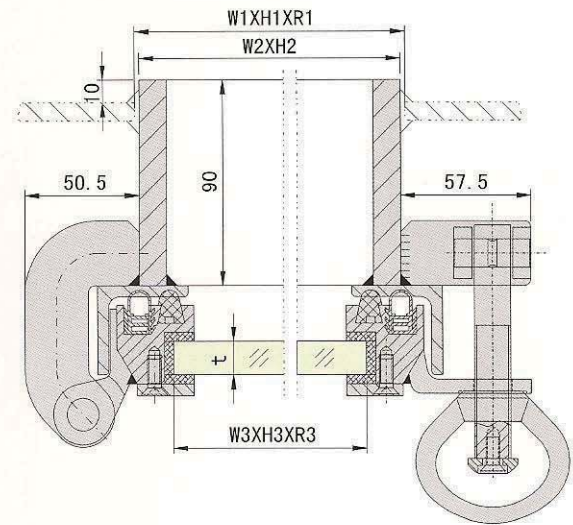
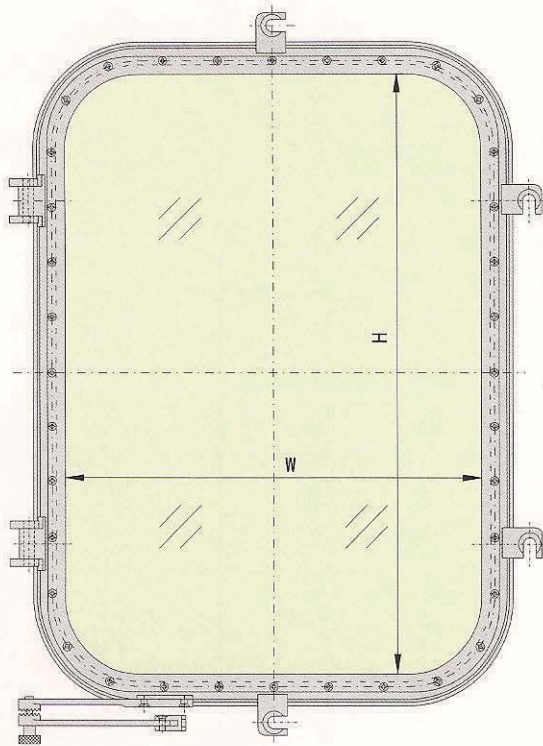
透光尺寸为 900X630mm 的 A0 级防火矩形窗

A0 矩形窗 900X630 261WHL062-00

A0 级防火开式矩形窗

261 WHL064-00

A0 CLASS FIREPROOF OPENABLE RECTANGULAR WINDOW



mm

序 号 NO.	公称尺寸 NOMINAL SIZE WXH	围壁开孔尺寸 B. H. OPENING SIZE W1XH1XR1	外形尺寸 SIZE OF OUTSIDE W2XH2	主玻璃厚度 MAIN GLASS THICK. t		玻璃尺寸 SIZE OF GLASS W3XH3XR3
				重型 HEAVY	中型 MEDIUM	
1	300X425	352X477XR76	348X473	10	8	318X443XR59
2	355X500	407X552XR76	403X548	10	8	373X518XR59
3	400X560	452X612XR76	448X608	12	8	418X578XR59
4	450X630	502X682XR126	498X678	12	8	468X648XR109
5	500X710	552X762XR126	548X758	15	10	518X728XR109
6	560X800	612X852XR126	608X848	15	10	578X818XR109

标记示例

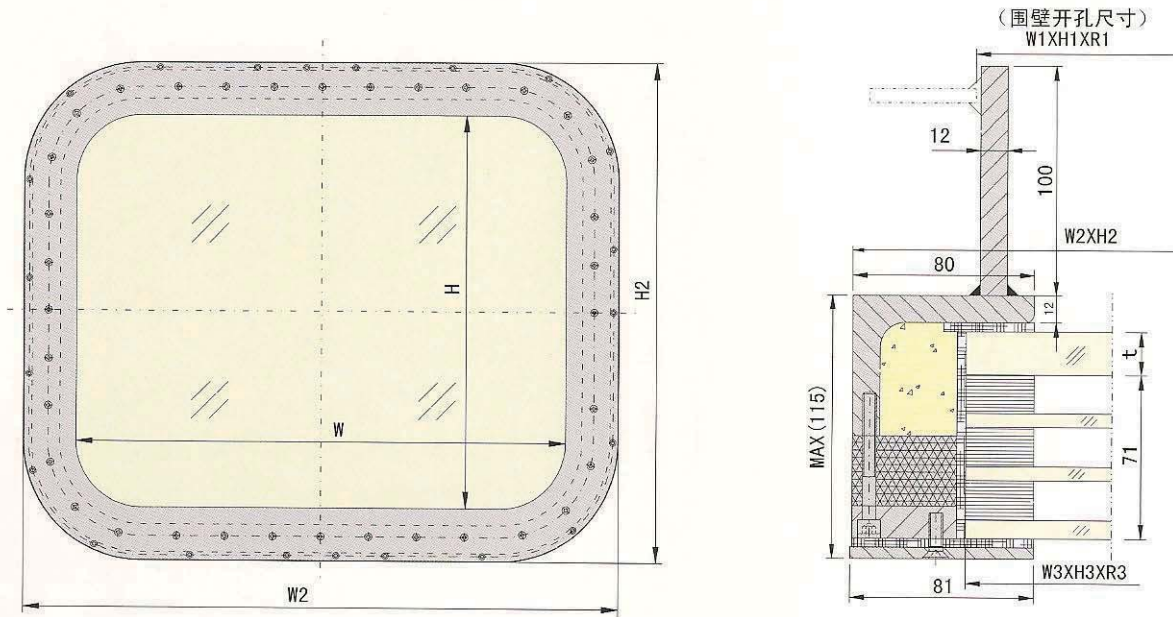
透光尺寸为 560X800 mm 的 A0 级防火开式矩形窗 (左内)

A0 左内开矩形窗 560X800 - LI 261WHL064-00

H120 级防火矩形窗

H120 CLASS FIREPROOF RECTANGULAR WINDOW

261 WHL066-00



序 号 NO.	公称尺寸 NOMINAL SIZE WXH	围壁开孔尺寸 B.H. OPENING SIZE W1XH1XR1	外形尺寸 SIZE OF OUTSIDE W2XH2	主玻璃厚度 MAIN GLASS THICK. t		玻璃尺寸 SIZE OF GLASS W3XH3XR3
				重型 HEAVY	中型 MEDIUM	
1	355X500	407X552XR76	515X660	10	8	415X560XR80
2	400X560	452X612XR76	560X720	12	8	460X620XR80
3	450X630	502X682XR126	610X790	12	8	510X690XR130
4	500X710	552X762XR126	660X870	15	10	560X770XR130
5	560X800	612X852XR126	720X960	15	10	620X860XR130
6	900X630	952X852XR126	1060X790	19	12	960X690XR130
7	1000X710	1052X762XR126	1160X870	19	12	1060X770XR130
8	1200X800	1252X852XR126	1360X960	19	15	1260X860XR130

标记示例

透光尺寸为 900X630mm 的 H120 级防火矩形窗

H120 矩形窗 900X630 261WHL066-00

铝质曲面固定窗

ALUMINIUM CURVED FIXED WINDOW

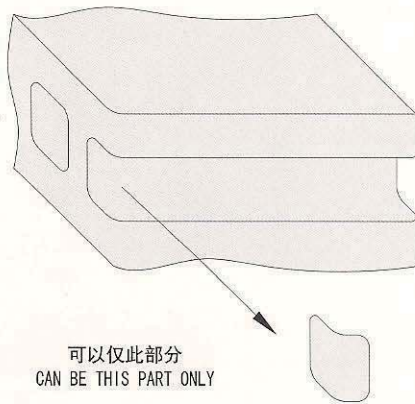
261 WHL 058-00

用于驾驶室及其它曲面舱壁上，结构简单，外形美观。

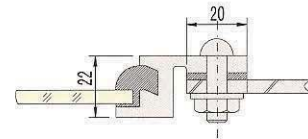
COULD BE USED AT WHEELHOUSE OR OTHER CURVED BULKHEAD WITH SIMPLE STRUCTURE HANDSOME LOOKING .

生产曲面窗时，我们需要客户提供舱壁开孔切下来的部分或能反映实际窗开孔尺寸的木围壁，及其他详细参考尺寸。（详见下图）

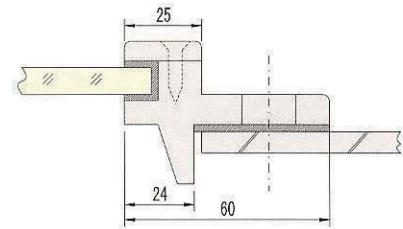
WE REQUIRE EITHER CUT PIECES OF BULKHEAD OR WOODEN MODELS OF THE ACTUAL WINDOW OPENING AS ILLUSTRATED IN THE DIAGRAM BELOW .



A 型
A TYPE



B 型
B TYPE



铝质、钢质、不锈钢窗斗

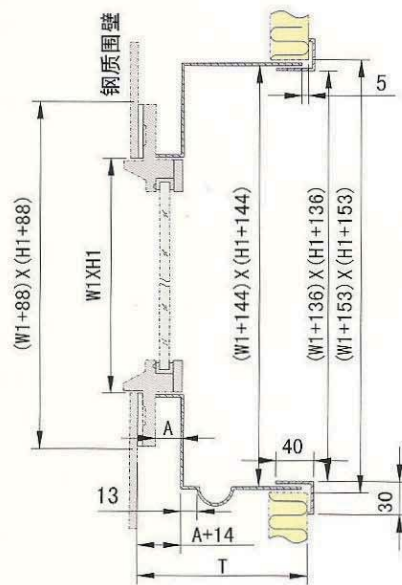
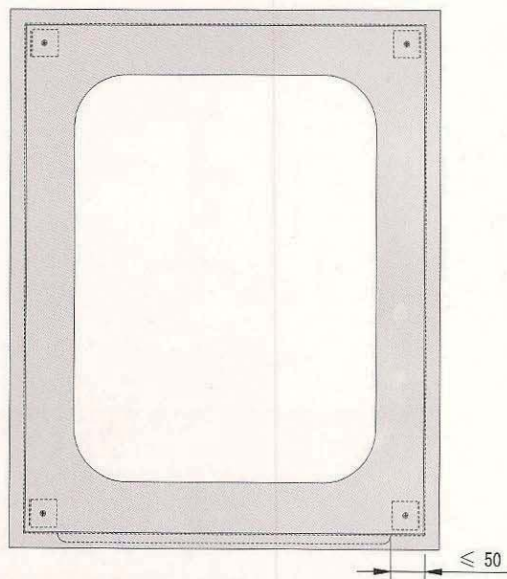
ALUMINIUM, STEEL, STAINLESS STEEL WINDOW BOX

261WHL011-00

矩形窗斗

WINDOW BOX FOR RECTANGULAR WINDOW

261WHL011-01



矩形窗斗重量估算：

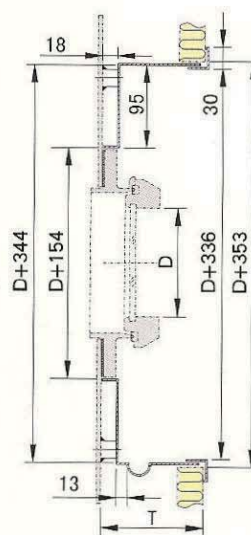
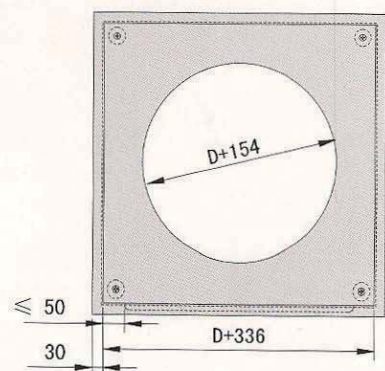
铝质 $11.2 \times (W1 + H1 + 0.338) \times (T + 0.127) = ?$ kg

钢质、不锈钢 $23.55 \times (W1 + H1 + 0.338) \times (T + 0.127) = ?$ kg

舷窗窗斗

WINDOW BOX FOR SIDE SCUTTLES

261WHL011-09



舷窗窗斗重量估算：

铝质 $11.2 \times (D + 0.722) \times (T + 0.17) = ?$ kg

钢质、不锈钢 $23.55 \times (D + 0.722) \times (T + 0.17) = ?$ kg

注意：计算公式中 W1、H1、D 皆以 m（米）为单位

舰船用电磁屏蔽窗

ELECTROMAGNETIC SHIELDING WINDOW FOR NAVAL SHIPS

本产品适用于舰船和海洋船舶有电磁屏蔽要求的电子工作舱室所安装的电磁屏蔽窗
THE PRODUCT SUITS FOR WORKING PLACE ON NAVAL SHIPS, WHERE NEED ELECTROMAGNETIC SHIELDING.

电磁屏蔽窗的型式按表 1 THE TYPE OF ELECTROMAGNETIC SHIELDING WINDOW AS TAB. 1

表 1 TAB. 1

类 型 TYPE	开 向 OPEN TYPE	名 称 NAME	屏蔽内窗页开向 OPENING DIR. OF E. S. WINDOW	玻璃外窗页开向 OPENING DIR. OF ORDINARY WINDOW	型 号 CODE	安装方式 INSTALLATION
重型 E HEAVY DUTY-E	开式 S OPENABLE-S	I 级电磁屏蔽窗 CLASS 1 E. S. WINDOW	左内开 A1 LEFT INWARD OPEN-A1	左外开 B1 LEFT OUTWARD OPEN-B1	HL-PB-C1	螺栓式 BOLTED “ B ”
		II 级电磁屏蔽窗 CLASS 2 E. S. WINDOW	右内开 A2 RIGHT INWARD OPEN-A2	右外开 B2 RIGHT OUTWARD OPEN-B2	HL-PB-C2	
轻型 F LIGHT DUTY-F	闭式 G FIXED-G	III 级电磁屏蔽窗 CLASS 3 E. S. WINDOW			HL-PB-C3	焊接式 WELDED “ W ”

I 级电磁屏蔽窗的规格按表 2 THE SPE. OF CLASS 1 E. S. WINDOW AS TAB. 2

表 2 TAB. 2

类 型 TYPE	透光尺寸 W × H	外形尺寸 W1 × H1	围壁开孔尺寸 W2 × H2 × R2	玻璃厚度 t		重量 kg			
				E	F	E (S)	F (S)	E (G)	F (G)
重型 E HEAVY DUTY-E	300 × 425	512 × 637	444 × 569 × R122	10	8	43	41	40	38
	355 × 500	567 × 712	499 × 644 × R122	10	8	57	55	54	52
	400 × 560	612 × 772	544 × 704 × R122	12	8	71	68	67	64
轻型 F LIGHT DUTY-F	450 × 630	662 × 842	594 × 774 × R172	12	8	89	86	85	82
	500 × 710	712 × 922	644 × 854 × R172	15	10	115	110	111	106
	560 × 800	772 × 1012	704 × 944 × R172	15	10	143	137	139	131

II 级、III 级电磁屏蔽窗的规格按表 3 THE SPE. OF CLASS 2, 3 E. S. WINDOW AS TAB. 3

表 3 TAB. 3

类 型 TYPE	透光尺寸 W × H	外形尺寸 W1 × H1	围壁开孔尺寸 W2 × H2 × R2	玻璃厚度 t		重量 kg			
				E	F	E (S)	F (S)	E (G)	F (G)
重型 E HEAVY DUTY-E	300 × 425	418 × 543	352 × 477 × R76	10	8	31	30	30	29
	355 × 500	473 × 618	407 × 552 × R76	10	8	40	39	39	38
	400 × 560	518 × 678	452 × 612 × R76	12	8	49	46	48	45
轻型 F LIGHT DUTY-F	450 × 630	568 × 748	502 × 682 × R126	12	8	63	60	62	59
	500 × 710	618 × 828	552 × 762 × R126	15	10	82	77	80	75
	560 × 800	678 × 918	612 × 852 × R126	15	10	102	96	100	94

标记示例

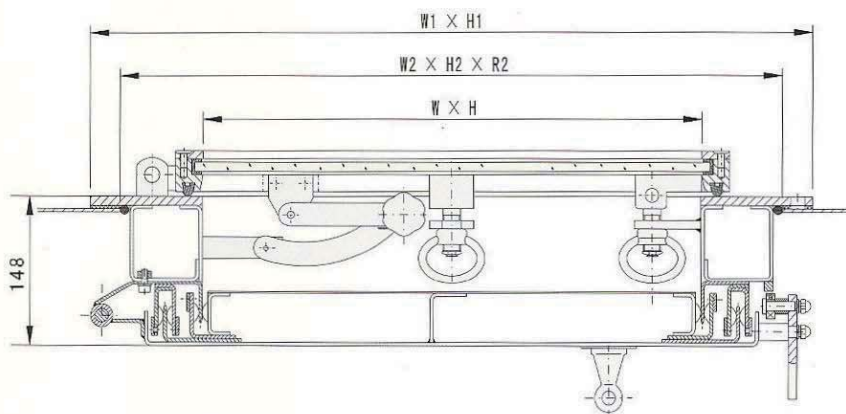
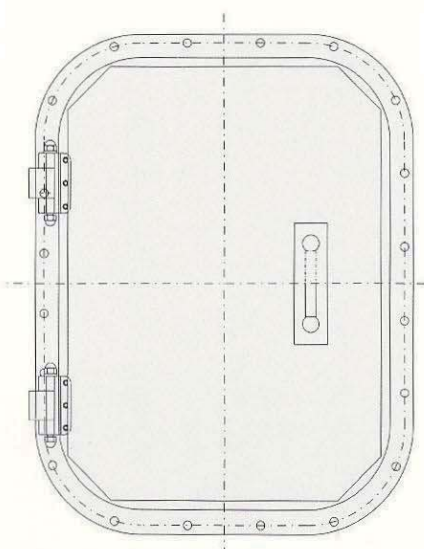
透光尺寸为 400X560，屏蔽内窗页为左内开，玻璃外窗页为右外开，轻型 F，开式 S，螺栓式安装的 I 级屏蔽窗
电磁屏蔽窗 FS400X560-A1B2-B HL-PB-C1

透光尺寸为 450X630，屏蔽内窗页为右内开，重型 E，闭式 G，螺栓式安装的 II 级屏蔽窗
电磁屏蔽窗 EG450X630-A2-B HL-PB-C2

开式(S)型 I 级电磁屏蔽窗

261 WHL028BK -00

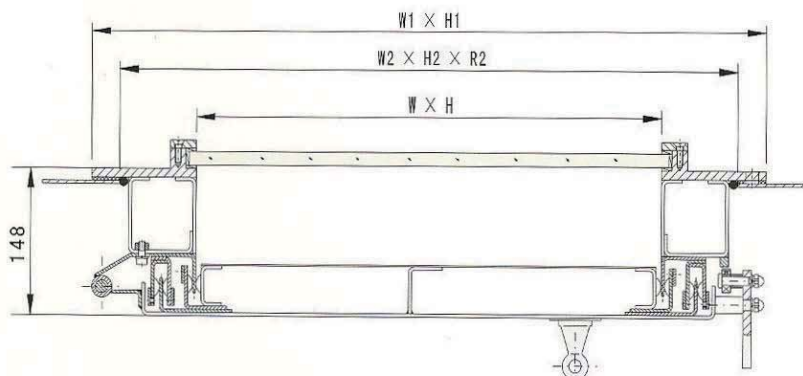
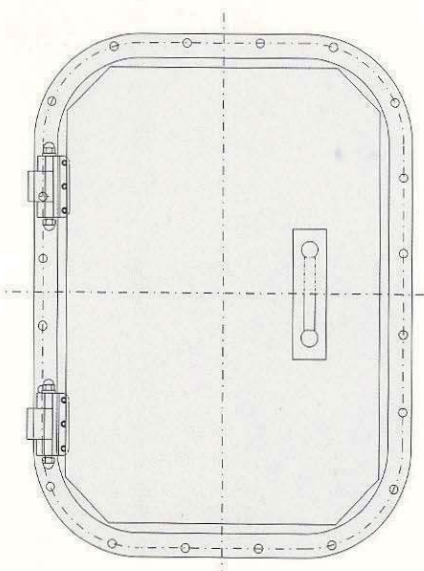
HINGED (TYPE S) CLASS 1 ELECTROMAGNETIC SHIELDING WINDOW



闭式(G)型 I 级电磁屏蔽窗

261 WHL028BG-00

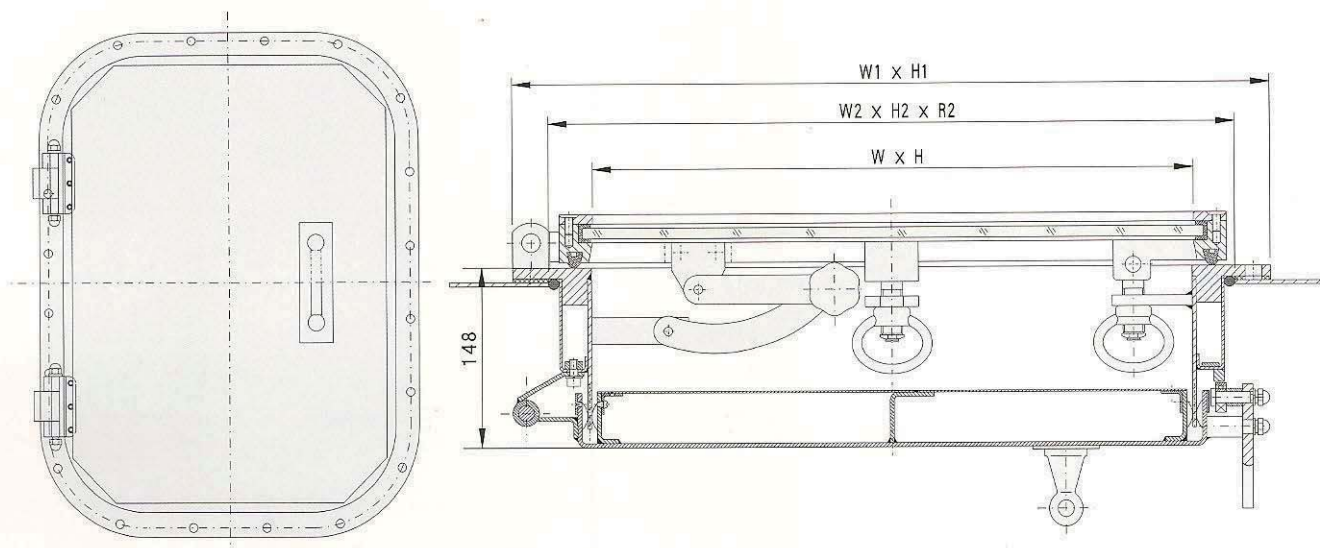
FIXED (TYPE G) CLASS 1 ELECTROMAGNETIC SHIELDING WINDOW



开式(S)型 II 级电磁屏蔽窗

261 WHL028AK -00

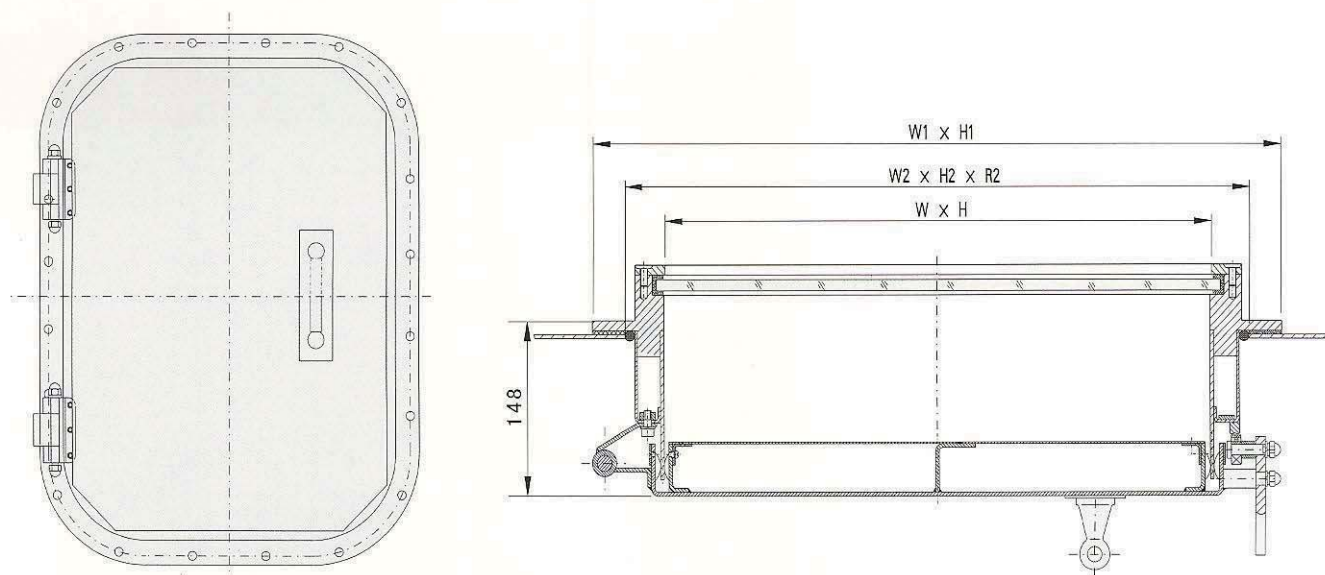
HINGED (TYPE S) CLASS 2 ELECTROMAGNETIC SHIELDING WINDOW



闭式(G)型 II 级电磁屏蔽窗

261 WHL028AG-00

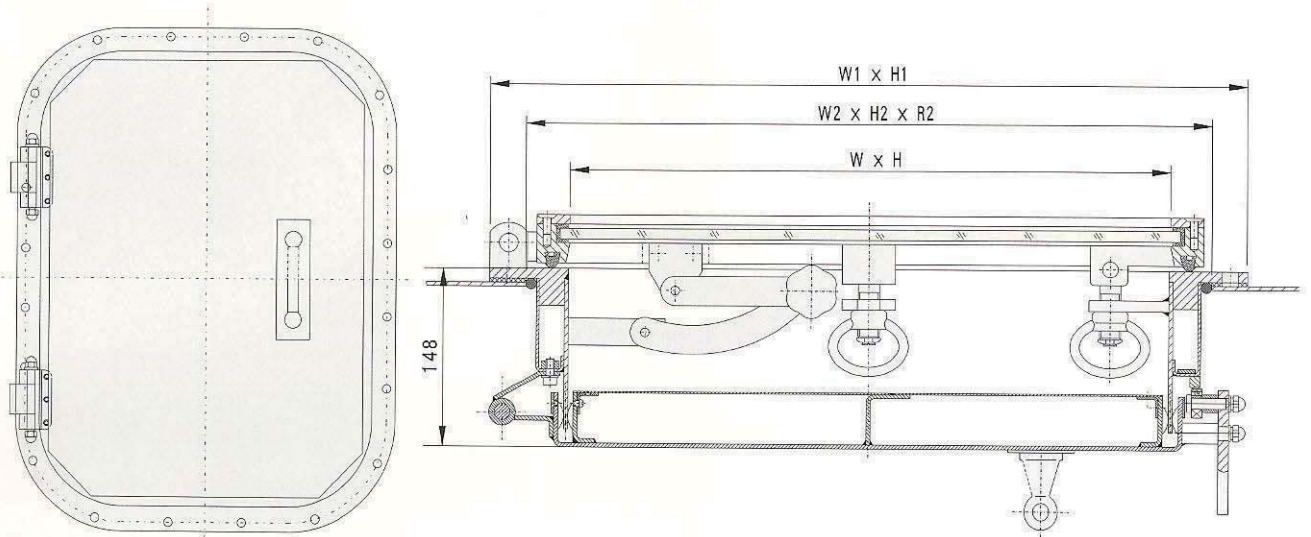
FIXED (TYPE G) CLASS 2 ELECTROMAGNETIC SHIELDING WINDOW



开式(S)型Ⅲ级电磁屏蔽窗

261 WHL028AK -00

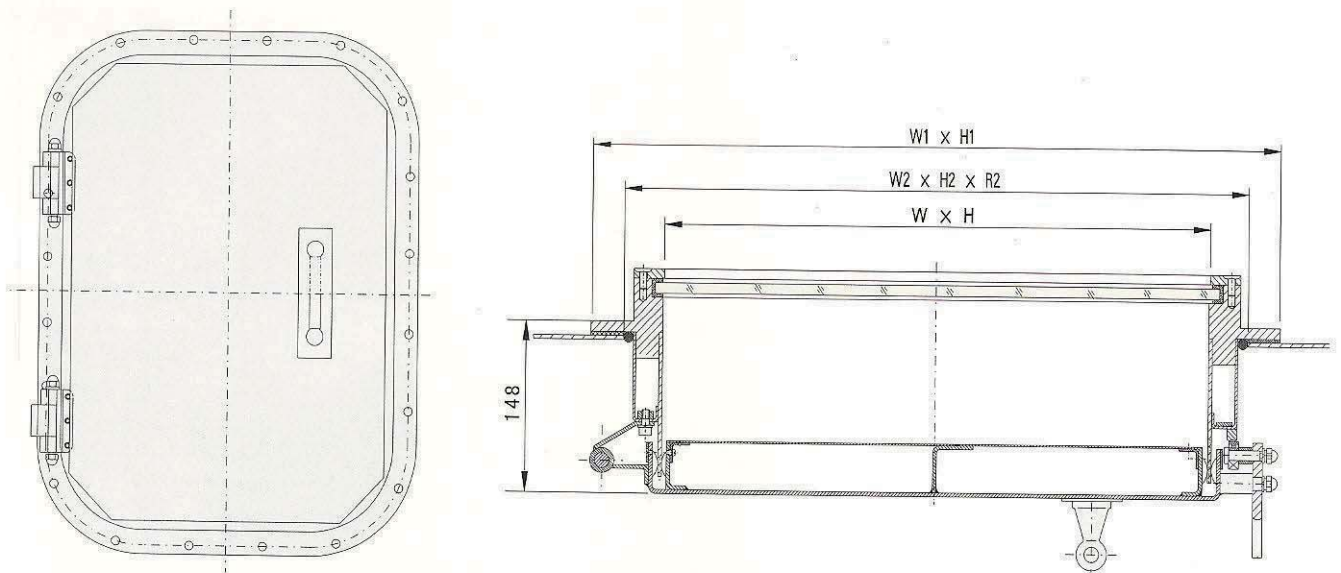
HINGED (TYPE S) CLASS 3 ELECTROMAGNETIC SHIELDING WINDOW



闭式(G)型Ⅲ级电磁屏蔽窗

261 WHL028AG-00

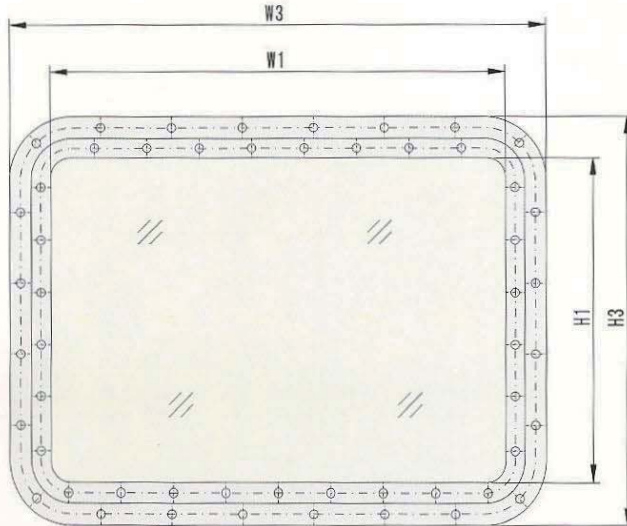
FIXED (TYPE G) CLASS 3 ELECTROMAGNETIC SHIELDING WINDOW



隐身固定矩形窗

STEALTH FIXED RECTANGULAR WINDOW

261 WHL001-00



RRG-A: 镀膜玻璃型隐身固定矩形窗

RRG-B: 挂网型隐身固定矩形窗

RRG-AH: 镀膜玻璃电热型隐身固定矩形窗

RRG-A: COATING FILM STEALTH FIXED
RECTANGULAR WINDOW

RRG-B: HANGING NET STEALTH FIXED
RECTANGULAR WINDOW

RRG-AH: COATING FILM STEALTH FIXED
RECTANGULAR WINDOW WITH
HEATING GLASS

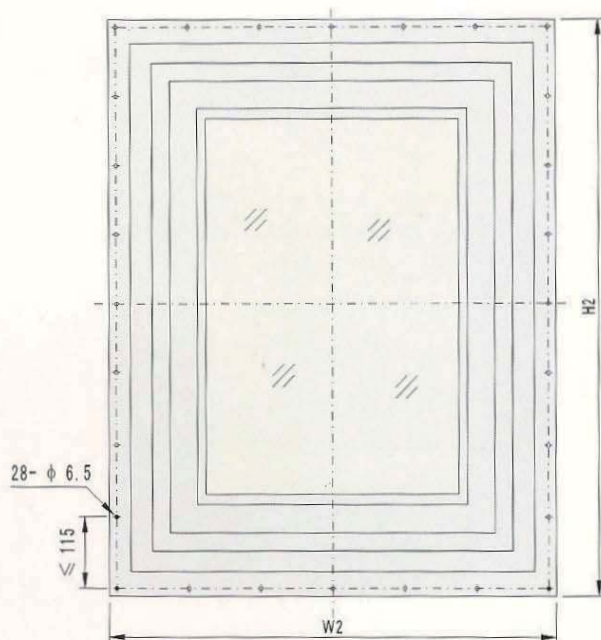
mm

公称尺寸 NOMINAL SIZE W1 × H1	围壁开孔尺寸 B.H. OPENING SIZE W2 × H2 × R	外形尺寸 SIZE OF OUTSIDE W3 × H3	玻璃厚度 GLASS THICK. t	窗框材料 MATERIAL OF FRAME	型号 TYPE	重量 WEIGHT kg
800 × 630	860 × 690 × R130	950 × 780	15	铝 ALUM.	RRG-B	40
			22	钢 STEEL	RRG-A	65
			25		RRG-AH	69
800 × 710	860 × 770 × R130	950 × 860	15	铝 ALUM.	RRG-B	44
			22	钢 STEEL	RRG-A	71
			25		RRG-AH	75
900 × 630	960 × 690 × R130	1050 × 780	15	铝 ALUM.	RRG-B	44
			22	钢 STEEL	RRG-A	71
			25		RRG-AH	76
900 × 710	960 × 770 × R130	1050 × 860	15	铝 ALUM.	RRG-B	47
			22	钢 STEEL	RRG-A	77
			25		RRG-AH	82
900 × 800	960 × 860 × R130	1050 × 950	15	铝 ALUM.	RRG-B	52
			22	钢 STEEL	RRG-A	84
			25		RRG-AH	89
1200 × 630	1260 × 690 × R130	1350 × 780	15	铝 ALUM.	RRG-B	55
			22	钢 STEEL	RRG-A	89
			25		RRG-AH	95
1200 × 710	1260 × 770 × R130	1350 × 860	15	铝 ALUM.	RRG-B	59
			22	钢 STEEL	RRG-A	96
			25		RRG-AH	103
1200 × 800	1260 × 860 × R130	1350 × 950	15	铝 ALUM.	RRG-B	64
			22	钢 STEEL	RRG-A	104
			25		RRG-AH	112
1500 × 710	1560 × 770 × R130	1650 × 860	15	铝 ALUM.	RRG-B	72
			22	钢 STEEL	RRG-A	115
			25		RRG-AH	124
1500 × 800	1560 × 860 × R130	1650 × 950	15	铝 ALUM.	RRG-B	78
			22	钢 STEEL	RRG-A	125
			25		RRG-AH	134

X 光屏蔽窗

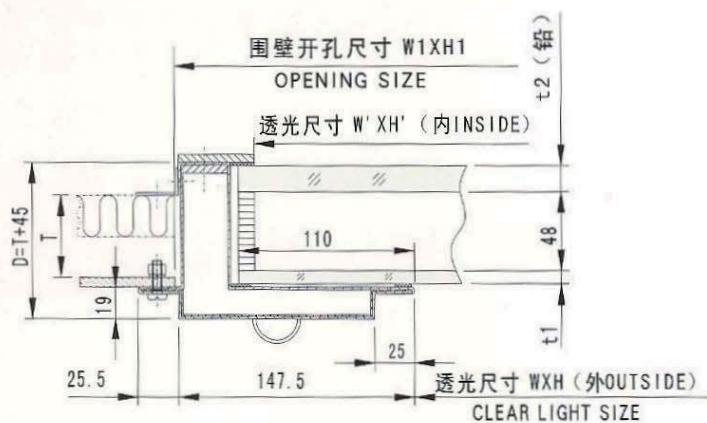
X RAY SHIELDING WINDOW

261 WHL067-00



适用于舰船医疗舱室，X 光室。
USED FOR MEDKINE ROOM AND X-RAY ROOM.

铅当量: 大于3.5mmpb (120kv 2.5mmal)
扩展不确定度: 6.0% (K=3)



透 光 尺 寸 NOMINAL SIZE		围 壁 开 孔 尺 寸 B. H. OPENING SIZE W1 × H1	外 形 尺 寸 SIZE OF OUTSIDE W2 × H2	玻 璃 厚 度 GLASS THICK.		重 量 WEIGHT kg
W × H	W' × H'			t1	t2	
400 × 500	600 × 700	700 × 800	745 × 845	8	8	38
500 × 500	700 × 700	800 × 800	845 × 845	8	8	41
500 × 600	700 × 800	800 × 900	845 × 945	10	16	44
600 × 600	800 × 800	900 × 900	945 × 945	10	16	48

CLASSIFICATION SOCIETIES



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Your reliable ally



De la Pinilla, 91
28023 Madrid – SPAIN
Tel. +34 617 481 349
Fax +34 913 079 421
asmain@asmain.com
www.asmain.com