

General characteristics

Modular range of devices for domestic and similar uses on frames for flush-mounting boxes of up to 18 modules. It includes controls, socket-outlets, protections, indicators, connectors and a vast range of electronic components for domotics and special services. There are also boxes and plates for surface-mounting and free-standing applications.

TECHNICAL DATA AND REFERENCE STANDARDS							
Component	Reference standards	Essential electrical data*			Prolonged operation (no. position changes)	Resistance to abnormal heat and fire	
		Resistance at test voltage (V)	Insulation resistance (MΩ)	Breaking capacity or category of use		Thermo-pressure with ball (°C)	Glow wire test (°C)
Commands	CEI 23-9 (EN 60669-1)	2000 at 50 Hz for 1 minute	> 5	1.25 In (200 position changes)	40,000 at In 250V AC cos φ = 0.6	125	850
Socket-outlets	CEI 23-50 (IEC 60884-1)			1.25 In (100 position changes)	10,000 at In 250V AC cos φ = 0.8		
Latching relays	CEI 23-9/CEI 23-62 EN 60669-1 / EN 60669-2-2)				50,000 at In 250V AC cos φ = 0.6		
Momentary relays	CEI 23-9/CEI 23-62 EN 60669-1 / EN 60669-2-2)		1.25 In (200 position changes)				
Miniature circuit breakers	CEI 23-3 (EN 60898-1)		2** - 5	3 kA	8,000		
Residual current circuit breaker with overcurrent protection	CEI 23-44/CEI 23-42 (EN 61009-1 / EN 61008-1)			3 kA	4,000		
Supports and plates	CEI 23-9 (EN 60669-1)	-	-	-	-	70	650

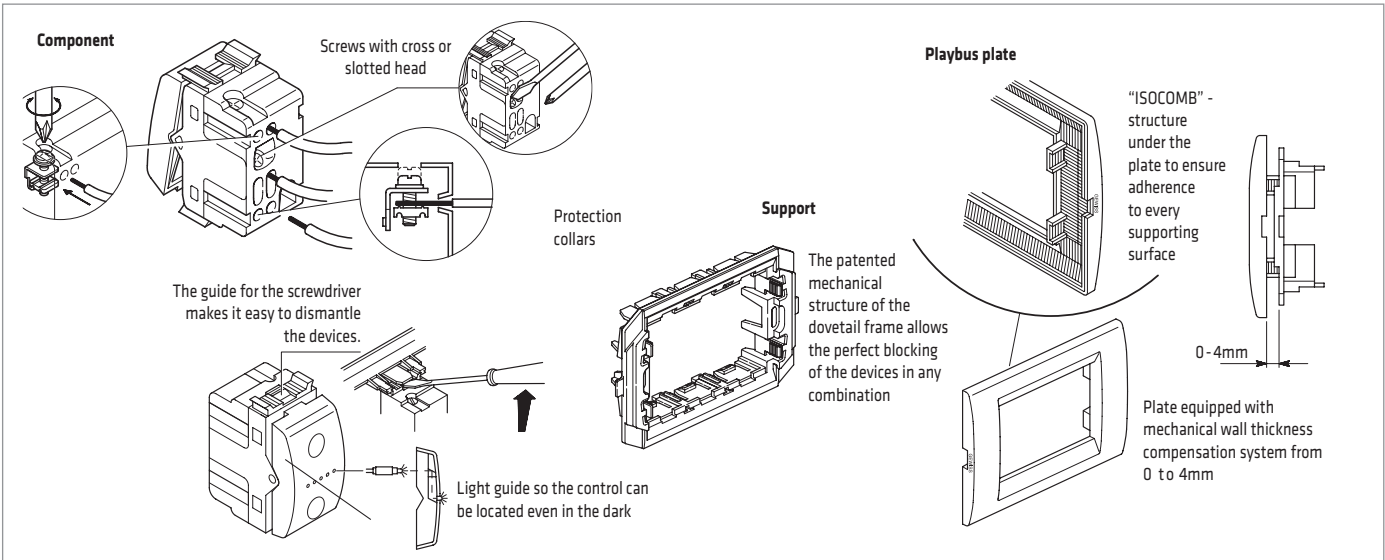
* For rated voltages and currents, see the specifications in the single codes. ** The value of 2 MΩ refers to a special condition established by the Standards given alongside.

Terminal resistance to cable traction: > 50N
Device hold on support: > 0.6J

TERMINAL TIGHTENING CAPACITY			
Flexible wires		Rigid wires	
Minimum 0.75mm ²	Maximum 2 x 4mm ²	Minimum 0.5mm ²	Maximum 2 x 2.5mm ²

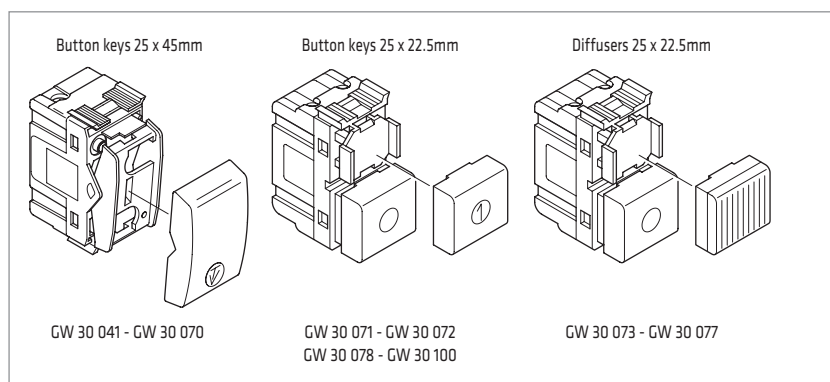
THE TECHNICAL CHARACTERISTICS OF THE FOLLOWING PLAYBUS PRODUCTS ARE DESCRIBED ON THE TECHNICAL PAGES OF THE SYSTEM RANGES	
Infrared movement detector	Telephone socket-outlets
Anti black-out lamps	Latching relays and momentary relays
Gas detectors	TV-SAT socket-outlets
Dimmers	Automatic circuit breakers
Timed-thermostats	

Common construction features

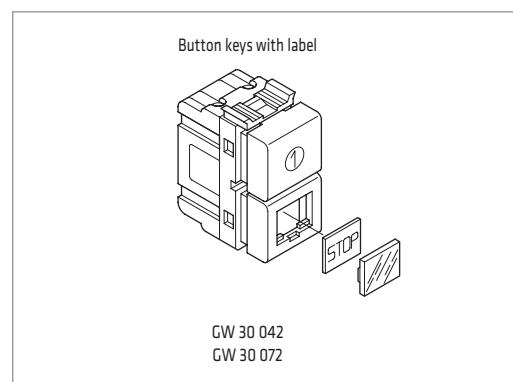


For technical information contact the Technical Assistance Service or visit gewiss.com



Interchangeability of button keys and diffusers





Label can be personalised



Backlighting of control devices

Type	Functional characteristics	Applications
 Night-time location	<ul style="list-style-type: none"> Permits the identification of the control button key even in the dark. You are advised to use the Gewiss lamps: white/red/light blue. 	<ul style="list-style-type: none"> Bedrooms. Corridors.
 Functional signalling	<ul style="list-style-type: none"> Permits the identification of the control button key, or the indication of the ON/OFF status of a lighting circuit, even in the dark. With a red/white/light blue lamp, the signalling is bright. With a green lamp the lighting level does not cause sleep disturbance. 	<ul style="list-style-type: none"> General services of a building complex (stair lights, entrances, etc.). Public entertainment premises

Type	Functional characteristics	Applications
 Iconographic signalling	<ul style="list-style-type: none"> Permits the identification of the control button key, and its specific function, even in the dark. 	<ul style="list-style-type: none"> General services. Internal systems for offices, shops, warehouses. Hotel structures. Hospitals and nursing homes.
 With diffuser lamp	<ul style="list-style-type: none"> Permits the identification of the ON/OFF status of a user or lighting circuit from a considerable distance. Visible from both front and side. 	<ul style="list-style-type: none"> Signalling lights coming on outside the place where the control device is installed.














Degree of protection of the set of PLAYBUS domestic range assembly installed

Component	Installation	Reference standard	IP rating
Devices with closed front (commands, bells, indicators, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in self-supporting boxes	Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard	EN60529 (CEI 70-1)	41
Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in selfsupporting boxes	Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard. Suitable for use for zone 3 of rooms containing baths or showers.		X1 (in case of socket-outlets it is 21)
Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in selfsupporting boxes	Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard with plug inserted		4X

ACCESSORIES

Spare parts and accessories

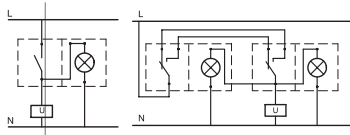
Lamps for Playbus / Eco60 / System articles

Control devices			 Miniature lamp units				Luminous / colour result	Possible colours		
Night-time localisation	Functional localisation	Iconographic signalling	Type	Code	Voltage	Colour	The signalling colour corresponds to the colour of the chosen miniature lamp	White Light blue Red Green		
			LED	GW 10 893	12-24V AC/DC	White				
				GW 30 947	230/110V AC	Light blue				
				GW 30 946	230/110V AC					
			Fluorescent	GW 30 943	230V AC	Red				
				GW 30 944	230V AC	Green				
Push-button with name plate			 Cartridge lamps				Luminous / colour result	Possible colours		
			Type	Code	Voltage	Colour	White backlighting	White		
			Incandescent S6 x 36	GW 20 902	12V AC/DC	White				
				GW 20 903	24V AC/DC					
Single indicator lamps			 Cartridge lamps				Luminous / colour result	Possible colours		
			Type	Code	Voltage	Colour	The signalling colour corresponds to the colour of the chosen indicator lamp diffuser	Red - Green Amber - White Light blue		
			Incandescent S6 x 31	GW 20 904	12V AC/DC	White				
				GW 20 905	24V AC/DC					
			Fluorescent S6.3 x 28	GW 20 906	230V AC	Red			With red diffuser:	Red
				GW 20 908		Green			With green diffuser:	Green
Push-buttons with diffuser and double indicator lamps			 Miniature lamps				Luminous / colour result	Possible colours		
			Type	Code	Voltage	Colour	The signalling colour corresponds to the colour of the chosen indicator lamp diffuser	Red - Green Amber - White Light blue		
			LED	GW 10 893	12-24V AC/DC	White				
				GW 30 947		230V AC			Light blue	
				GW 30 946					Red	
			Fluorescent	GW 30 943	Green	With red diffuser:			Red	
				GW 30 944		With green diffuser:			Green	
Stair riser lamps			 Cartridge lamps				Luminous / colour result	Possible colours		
			Type	Code	Voltage	Colour	The signalling colour corresponds to the colour of the chosen stair riser lamp diffuser	Red - Green Amber - White Light blue		
			Incandescent S6 x 36	GW 20 902	12V AC/DC	White				
				GW 20 903	24V AC/DC					
Lift/emergency plates			 Miniature lamps				Luminous / colour result	Possible colours		
			Type	Code	Voltage	Colour	The signalling colour corresponds to the colour of the chosen miniature lamp	White Red		
			LED	GW 10 893	12-24V AC/DC	White				
				GW 30 947						
			Fluorescent	GW 30 943	230V AC	Red				

Examples of functional and localisation lighting

To indicate the operating status of services not visible from the command position

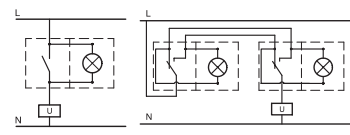
The indicator lamp is located parallel to the service, and is switched on when the one-way switch is ON. The indicator lamp follows the ON/OFF status of the service.



The two indicator lamps and the service are placed in parallel, therefore they switch on and off together with the service.

To locate the command button key in the dark

The indicator lamp is switched on when the one-way switch is OFF. With the one-way switch in the ON position, the service is powered and the indicator lamp is switched off.



The two indicator lamps come on when the service is not powered and go off when it is ON.

NOTE: layouts not suitable for commanding compact energy saving lamps and/or relays

COMMAND

Infrared receiver and remote control

The PLAYBUS infrared remote control system comprises a portable remote control with 6 channels / 3 bands, a single-channel receiver with relay output for ON/OFF control of a specific service (light, fan, etc.), and a twin-channel receiver with relay output for forward-backward control of motors for rolling shutters, curtains, etc.

REMOTE CONTROL

GW 30 101

TECHNICAL DATA	
No. of channels:	6
No. of push-buttons:	6
Band selector:	3 positions - housed in the battery compartment. The setting of the internal microswitch on 3 bands prevents interference with other remote controls.
Max capacity:	10m
Power supply:	2 alkaline-type batteries (1.5V AAA)

RECEIVERS

Single-channel receiver RX-1

Reference standards: EN 60669-1; EN 60669-2-1; EN 60669-2-2

GW 30 103

Twin-channel receiver RX-2

Reference standards: EN 60669-1; EN 60669-2-1; EN 60669-2-2

GW 30 102

TECHNICAL DATA	
Power supply voltage:	230V - 50/60Hz
Output contact (1 relay): *	1NO, 5A (AC1) / 2A (AC15) - 250V AC

TECHNICAL DATA	
Power supply voltage:	230V - 50/60Hz
Output contact (2 relays): **	2NO, 5A (AC1) / 2A (AC15) - 250V AC

* The output relay (of the momentary type) remains energised for the control time only. The relay contact has no load. The relay contacts are not suitable for directly controlling fluorescent lamps with a power factor connection capacitor.

** The output relays (of the momentary type) remain energised for the control time only. Terminals 1 and 2 are already connected inside the terminal of phase L.

Installation characteristics

Fields of use: • Buildings in the domestic or advanced commercial sector where you want to obtain a high level of comfort. • Renovations where it would be harsh or ugly to install terminal control circuits. • Places for the disabled.

SYSTEM DIAGRAMS

LOAD CONTROL

GW 30 103

GW 30 111

CONTROL AND ADJUSTMENT OF RESISTIVE AND INDUCTIVE LOADS

GW 30 103

GW 30 401 (GW 30 406) (GW 30 407)

PULSE CONTROL OF LOADS (ringers, electric locks, etc.)

GW 30 103

GW 30 101

Command and adjustment via remote control GW 30 101 and receiver GW 30 103

PULSE CONTROL OF MOTORS (roller shutters, curtains)

GW 30 102

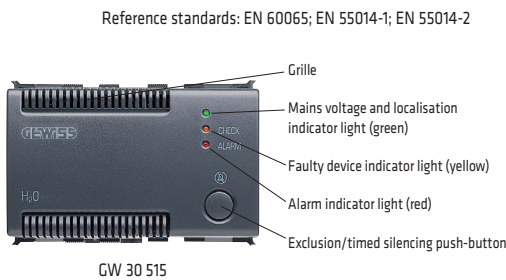
GW 30 116

SAFETY

Technical alarms

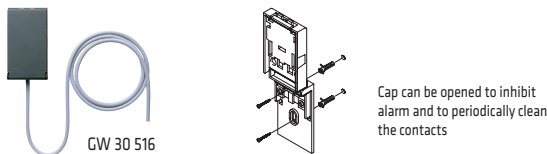
Water detector (H₂O) with water sensor device

- Microprocessor logic water detector with remote sensor;
- Acoustic/luminous alarm signalling.
- Output relay to control solenoid valve or pump.



TECHNICAL DATA	
Power supply voltage:	230V - 50/60Hz
Degree of protection with flush device:	IP40
Output contact:	1NO, 8A (AC1) / 4A (AC15) - 250V AC
Control for signal repeater:	by means of polarised terminals

Probe for water detector, GW 30 515, which can also be installed up to 40m away from the detector itself without losing any sensitivity.



TECHNICAL DATA	
Dimensions:	72 x 40 x 15mm

Installation characteristics

Connection diagrams

230V 50/60Hz

L

N

H₂O sensor GW 30 516

Water detector with solenoid valve or pump operation.

** NO-type solenoid valve

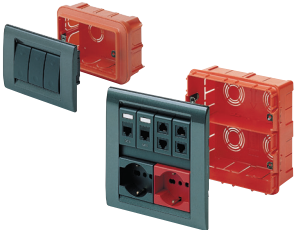










Correct positioning of detectors

Water (H₂O)

The position of the detector is not as important as that of the probe, which should be positioned bearing in mind the slope of the floor and/or the points where leakage is likely (e.g. under sink, etc.)

PLATES, SPECIAL PLATES, CONTAINERS AND SUPPORTS

Application board

	INSTALLATION	DESCRIPTION	GANGS	BOX	SUPPORT	PLATES AND COLOURS	
FLUSH-MOUNTING		RECTANGULAR BOXES	1	GW 24 403	GW 32 403	PLAYBUS	in the 10 colours
			2		GW 32 402		
			3		GW 32 403	PLAYBUS YOUNG	
			4	GW 24 404	GW 32 404		
			6	GW 24 406	GW 32 406	PLAYBUS	in the 10 colours
			8	GW 24 237	GW 32 407		
			12	GW 24 238	GW 32 408	PLAYBUS	Cloud white Metallised titanium Metallised slate
			18	GW 24 239	GW 32 409		
		SQUARE BOXES	1	GW 24 231	GW 32 401	PLAYBUS	in the 10 colours
			2		GW 32 402	PLAYBUS YOUNG	
		BOXES FOR LIGHT WALLS	1	GW 24 403 PM	GW 32 403	PLAYBUS	in the 10 colours
			2		GW 32 402		
			3		GW 32 403	PLAYBUS YOUNG	
			4	GW 24 404 PM	GW 32 404		
			6	GW 24 406 PM	GW 32 406		
		PROFILES AND PANELS	1	The code includes self-supporting plate and box		GW 32 123 GW 32 122 GW 32 121	Cloud white Metallised titanium Metallised slate
			2			GW 32 133 GW 32 132 GW 32 131	Cloud white Metallised titanium Metallised slate
		LIFT AND EMERGENCY	Wired	GW 24 403	Complete with illuminated push-button switch	GW 32 450 GW 32 451	White Red
			2		Self-supporting plates	GW 32 452 GW 32 453	White Red
WATERTIGHT FLUSH MOUNTING IP55		RECTANGULAR BOXES	3	GW 24 403	Self-supporting plates	GW 32 461 GW 32 462	Cloud white Toner black
			4	GW 24 404		GW 32 466 GW 32 467	Cloud white Toner black
		BOXES FOR LIGHT WALLS	3	GW 24 403 PM	Self-supporting plates	GW 32 461 GW 32 462	Cloud white Toner black
			4	GW 24 404 PM		GW 32 466 GW 32 467	Cloud white Toner black
WALL-MOUNTING		WALL-MOUNTING BOXES	1	GW 32 431 Cloud white GW 32 432 Toner black	GW 32 403	PLAYBUS	in the 10 colours
			2		GW 32 402		
			3		GW 32 403	LIFT AND EMERGENCY	
			8	GW 32 436 Cloud white GW 32 437 Toner black	GW 32 407		
MISCELLANEOUS		DEEP COVERS FOR RECTANGULAR FLUSH-MOUNTING BOXES	1	GW 24 403 + GW 24 228	GW 32 403	PLAYBUS and PLAYBUS YOUNG	in the 10 colours
			2		GW 32 402		
			3		GW 32 403	LIFT AND EMERGENCY	
		FREE-STANDING PANEL	4	GW 32 411		Toner black	
			8	GW 32 412			
		SUPPORTS FOR ASSEMBLY ON DIN RAIL	1		GW 32 421	Toner black	
			2		GW 32 422		
			3		GW 32 423		

Dimension tables

PLAYBUS PLATES 1-18 GANG

1 GANG
2 GANG - 3 GANG
4 GANG - 6 GANG

4+4 GANG
6+6 GANG - 6+6+6 GANG

A	1 GANG	2 GANG	3 GANG	4 GANG
B	116	116	116	140
C	80	80	80	80
D	-	-	-	-

A	6 GANG	4+4 GANG	6+6 GANG	6+6+6 GANG
B	190	140	190	190
C	80	137.5	137.5	195
D	-	117.5	117.5	176

PLAYBUS YOUNG PLATES, 1 - 6 GANG

1 GANG
2 GANG - 3 GANG
4 GANG - 6 GANG

A	1 GANG	2 GANG	3 GANG	4 GANG	6 GANG
B	118	118	118	143	193

PLATES FOR PROFILES

8.5

3.5

58

65

71

79

80

DIMENSIONS OF THE OPENING

CODE	A	B	C	D	E	F
GW 32 121	1 GANG	42	36	65	31.5	54
GW 32 122						
GW 32 123						
GW 32 131	2 GANG	68	62	65	56.5	54
GW 32 132						
GW 32 133						

WATERTIGHT PLATES

21

7

14

87

CODE	A	B	C
GW 32 461	3 GANG	83.5	121
GW 32 462			
GW 32 466	4 GANG	108.5	146
GW 32 467			

PLATES FOR LIFT - EMERGENCY

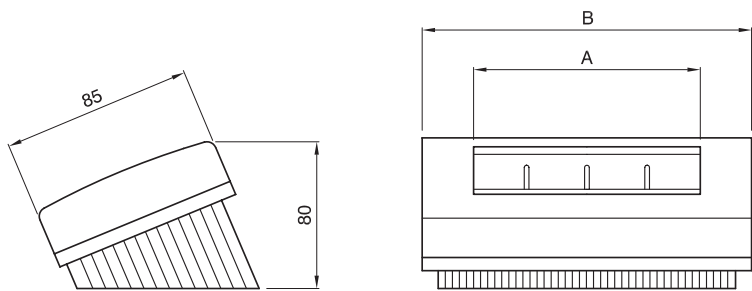
116

80

18

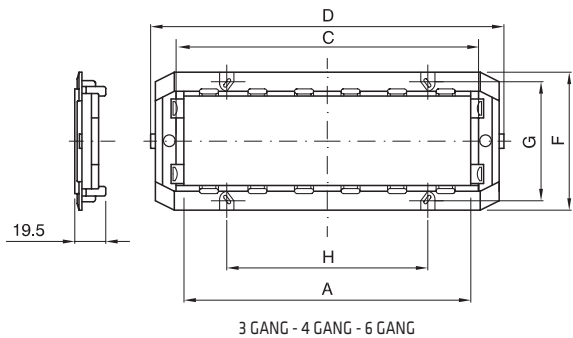
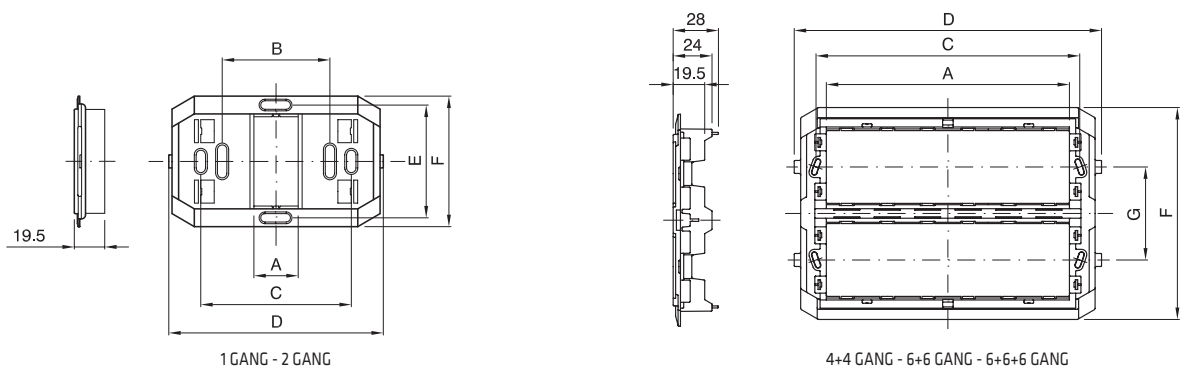
GW 32 450 - GW 32 451
GW 32 452 - GW 32 453

FREE-STANDING PANELS



CODE	A	B
GW 32 411	4 GANG	140
GW 32 412	8 GANG	240

SUPPORTS FOR PLAYBUS / YOUNG PLATES



CODE	GW 32 401	GW 32 402	GW 32 403	GW 32 404	GW 32 406	GW 32 407	GW 32 408	GW 32 409
A	1 GANG	2 GANG	3 GANG	4 GANG	6 GANG	4+4 GANG	6+6 GANG	6+6+6 GANG
B	60	60	-	-	-	-	-	-
C	83.5	83.5	83.5	108.5	-	112	163	163
D	115	115	115	140	190	140	190	190
E	60	60	-	-	-	-	-	-
F	70	70	70	70	70	127.5	127.5	185
G	-	-	-	-	60	57.5	57.5	117
H	-	-	-	74	100	-	-	-