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**B&R Enclosures**  
MONARCH IP

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# Monarch IP – Zinc Coated Steel

## Industrial Enclosures and Switchboard Building Systems



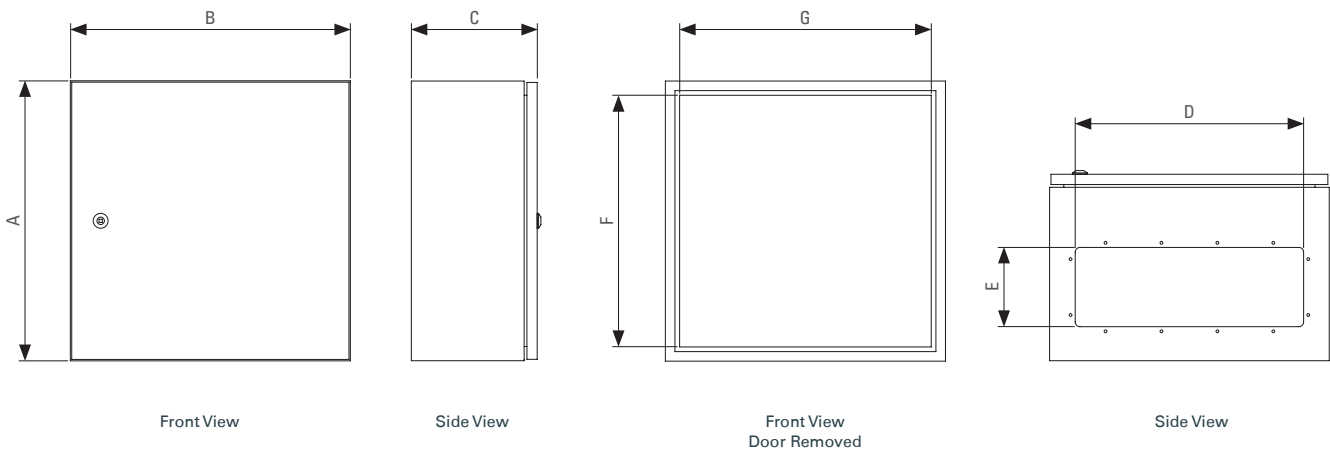
- Suitable for small motor control applications, lighting, CT metering and smaller switchboard applications.
- Premium enclosure and switchboard building system designed to be the ultimate in flexibility.
- Conformity, Approvals:  
Lloyds Register #06/10007 (E2)
- Manufactured from 1.6mm thick zinc coated steel.
- Powdercoated Pebble Grey RAL7032.

### Comes standard with:

- 'C' rail mountings (4 rails on heights up to 1000mm and 8 rails on 1200mm and above)
- Gland plate (fitted internally or externally)
- Chromed steel lock with 7mm square steel insert (IP020) on units below 1600mm high and lockable L handles (IP050) on others
- 3-point locking on units of 600mm high and above
- Removable back on units 400mm deep and deeper
- Door rails and earth strap kit



### TECHNICAL DRAWINGS



# Monarch IP – Zinc Coated Steel

## Industrial Enclosures and Switchboard Building Systems



### ORDERING GUIDE

Part Number	Dimensions (mm)							Weight (kg)
	External			Gland Opening		Opening		
	Height (A)	Width (B)	Depth (C)	Width (D)	Depth (E)	Height (F)	Width (G)	
IP13132	400	400	270	250	120	340	340	13.0
IP21132	600	400	270	250	120	540	340	17.0
IP13212	400	600	270	440	120	340	540	17.0
IP21212	600	600	270	440	120	540	540	22.0
IP29212	800	600	270	440	120	740	540	28.0
IP37212	1000	600	270	440	120	940	540	33.0
IP45212	1200	600	270	440	120	1140	540	38.0
IP21292	600	800	270	440	120	540	740	28.0
IP13214	400	600	400	490	170	340	540	21.0
IP21214	600	600	400	490	170	540	540	27.0
IP29214	800	600	400	490	170	740	540	28.0
IP45214	1200	600	400	490	170	1140	540	45.0
IP61214	1600	600	400	490	170	1540	540	57.0
IP69214	1800	600	400	490	170	1740	540	63.0
IP77214	2000	600	400	490	170	1940	540	69.0
IP25254	700	700	400	490	170	640	640	33.0
IP37254	1000	700	400	490	170	940	640	43.0
IP21294	600	800	400	490	170	540	740	33.0
IP29294	800	800	400	490	170	740	740	40.0
IP45294	1200	800	400	490	170	1140	740	54.0
IP61294	1600	800	400	490	170	1540	740	69.0
IP69294	1800	800	400	490	170	1740	740	76.0
IP77294	2000	800	400	490	170	1940	740	83.0
IP77135	2000	400	500	250	170	1740	340	48.0
IP29215	800	600	500	490	170	740	540	37.0
IP45215	1200	600	500	490	170	1140	540	50.0
IP61215	1600	600	500	490	170	1540	540	64.0
IP69215	1800	600	500	490	170	1740	540	70.0
IP77215	2000	600	500	490	170	1940	540	77.0
IP21295	600	800	500	490	170	540	740	37.0
IP45295	1200	800	500	490	170	1140	740	60.0
IP61295	1600	800	500	490	170	1540	740	76.0
IP69295	1800	800	500	490	170	1740	740	83.0
IP77295	2000	800	500	490	170	1940	740	91.0
IP77136	2000	400	600	440	120	1740	340	54.0
IP29216	800	600	600	490	170	740	540	42.0
IP45216	1200	600	600	490	170	1140	540	56.0
IP61216	1600	600	600	490	170	1540	540	70.0
IP77216	2000	600	600	490	170	1940	540	84.0
IP77296	2000	800	600	490	170	1940	740	99.0
IP77298	2000	800	800	490	170	1940	740	109.0

# Monarch IP – 316 Stainless Steel

Industrial Enclosures & Switchboard Building Systems



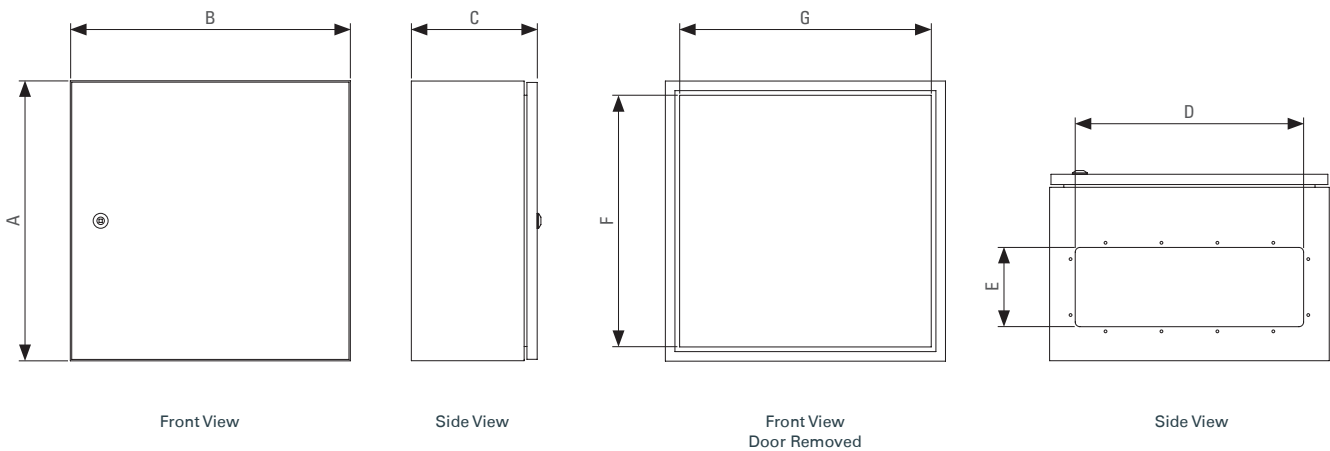
- Suitable for small motor control applications, lighting, CT metering and smaller switchboard applications.
- Premium enclosure and switchboard building system designed to be the ultimate in flexibility.
- Conformity, Approvals:
  - Lloyds Register #06/10007 (E2)
- Manufactured from 1.2/1.5mm thick 316 stainless steel.
- N4 surface finish.

Comes standard with:

- 'C' rail mountings (4 rails on heights up to 800mm and 8 rails on 1200mm and above)
- Gland plate (fitted internally or externally on 400mm deep and deeper)
- Stainless steel lock with 7mm square stainless steel insert (IP020/S) on units below 1600mm high and lockable L handles (IP050) on others
- 3-point locking on units of 600mm high and above
- Removable back on units 400mm deep and deeper
- Door rails and earth strap kit



## TECHNICAL DRAWINGS



# Monarch IP – 316 Stainless Steel

## Industrial Enclosures & Switchboard Building Systems



### ORDERING GUIDE

Part Number	Dimensions (mm)							Material Thickness	Weight (kg)
	External			Gland Opening		Opening			
	Height (A)	Width (B)	Depth (C)	Width (D)	Depth (E)	Height (F)	Width (G)		
IP09051/S*	300	200	175	-	-	255	155	1.2	4.2
IP13091/S	400	300	175	-	-	355	255	1.2	7.0
IP13132/S	400	400	270	-	-	340	340	1.5	16.0
IP21132/S	600	400	270	-	-	540	340	1.5	16.0
IP13212/S	400	600	270	-	-	340	540	1.5	16.0
IP21212/S	600	600	270	-	-	540	540	1.5	21.0
IP29212/S	800	600	270	-	-	740	540	1.5	26.0
IP37212/S	1000	600	270	-	-	940	540	1.5	31.0
IP45212/S	1200	600	270	-	-	1140	540	1.5	36.0
IP21292/S	600	800	270	-	-	540	740	1.5	26.0
IP13214/S	400	600	400	490	170	340	540	1.5	20.0
IP21214/S	600	600	400	490	170	540	540	1.5	25.0
IP29214/S	800	600	400	490	170	740	540	1.5	31.0
IP45214/S	1200	600	400	490	170	1140	540	1.5	42.0
IP61214/S	1600	600	400	490	170	1540	540	1.5	53.0
IP69214/S	1800	600	400	490	170	1740	540	1.5	59.0
IP77214/S	2000	600	400	490	170	1940	540	1.5	65.0
IP25254/S	700	700	400	490	170	640	640	1.5	31.0
IP37254/S	1000	700	400	490	170	940	640	1.5	40.0
IP21294/S	600	800	400	490	170	540	740	1.5	31.0
IP29294/S	800	800	400	490	170	740	740	1.5	38.0
IP37294/S	1000	800	400	490	170	940	740	1.5	44.0
IP45294/S	1200	800	400	490	170	1140	740	1.5	51.0
IP61294/S	1600	800	400	490	170	1540	740	1.5	64.0
IP69294/S	1800	800	400	490	170	1740	740	1.5	71.0
IP77294/S	2000	800	400	490	170	1940	740	1.5	78.0
IP21295/S	600	800	500	490	170	540	740	1.5	35.0
IP29215/S	800	600	500	490	170	740	540	1.5	35.0
IP45215/S	1200	600	500	490	170	1140	540	1.5	47.0
IP61215/S	1600	600	500	490	170	1540	540	1.5	60.0
IP69215/S	1800	600	500	490	170	1740	540	1.5	66.0
IP77215/S	2000	600	500	490	170	1940	540	1.5	72.0
IP45295/S	1200	800	500	490	170	1140	740	1.5	57.0
IP61295/S	1600	800	500	490	170	1540	740	1.5	71.0
IP69295/S	1800	800	500	490	170	1740	740	1.5	78.0
IP77295/S	2000	800	500	490	170	1940	740	1.5	85.0
IP29216/S	800	600	600	490	170	740	540	1.5	39.0
IP45216/S	1200	600	600	490	170	1140	540	1.5	52.0
IP61216/S	1600	600	600	490	170	1540	540	1.5	66.0
IP77216/S	2000	600	600	490	170	1940	540	1.5	79.0
IP77296/S	2000	800	600	490	170	1940	740	1.5	93.0

\* Does not include body rails or C rails.



The IP09051/S & IP13091/S do not come with body rails or C rails.

# Monarch IP – Aluminium

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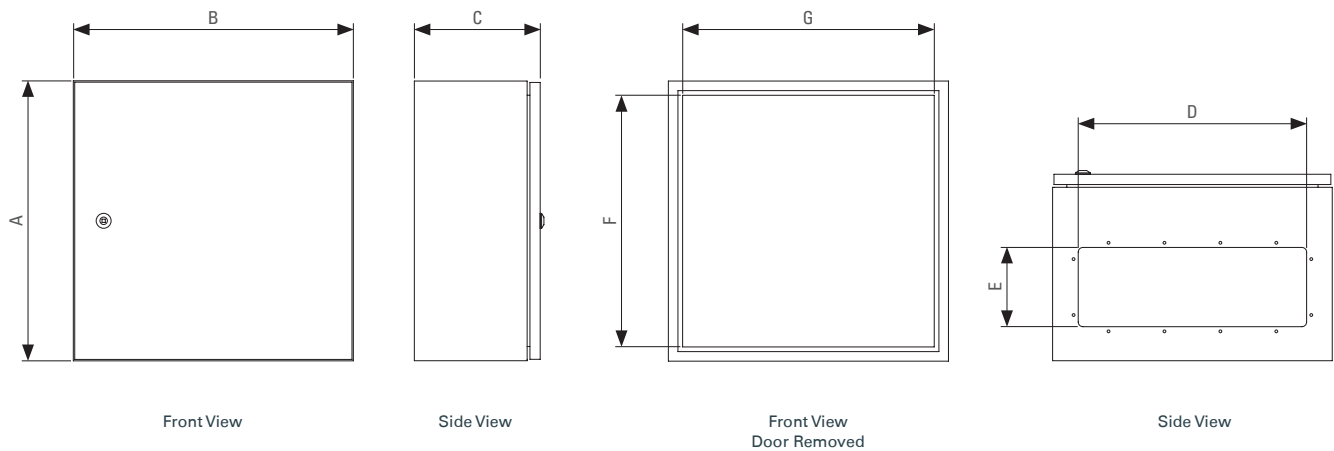
- Suitable for small motor control applications, lighting, CT metering and smaller switchboard applications.
- Premium enclosure and switchboard building system designed to be the ultimate in flexibility.
- Conformity, Approvals:
  - Lloyds Register #06/10007 (E2)
- Manufactured from 2.5mm thick aluminium.
- Powdercoated Light Grey RAL7035.

Comes standard with:

- 'C' rail mountings (4 rails on heights up to 800mm and 8 rails on 1200mm and above)
- Gland plate (fitted internally or externally)
- 7mm square turnbuckle lock (IP020/PS) on units below 1600mm high and lockable L handles (IP050) on others
- 3-point locking on units of 600mm high and higher
- Removable back on units 400mm deep and deeper
- Rear panel is internally secured
- Door rails and earth strap kit



## TECHNICAL DRAWINGS



# Monarch IP – Aluminium

Industrial Enclosures and Switchboard Building Systems



## ORDERING GUIDE

Part Number	Dimensions (mm)							Weight (kg)
	External		Gland Opening		Opening			
	Height (A)	Width (B)	Depth (C)	Width (D)	Depth (E)	Height (F)	Width (G)	
IP13132/A*	407	407	272	250	120	341	341	6.5
IP21132/A*	607	407	272	440	120	541	341	8.5
IP13212/A	407	607	272	440	120	341	541	8.5
IP21212/A	607	607	272	440	120	541	541	11.0
IP29212/A*	807	607	272	440	120	741	541	13.0
IP37212/A*	1007	607	272	440	120	941	541	15.5
IP45212/A*	1207	607	272	440	120	1141	541	18.0
IP21292/A*	607	807	272	440	120	541	741	13.0
IP13214/A*	407	607	402	490	170	341	541	11.0
IP21214/A	607	607	402	490	170	541	541	15.0
IP29214/A	807	607	402	490	170	1141	541	18.0
IP45214/A*	1207	607	402	490	170	1541	541	24.0
IP61214/A*	1607	607	402	490	170	1141	541	30.0
IP69214/A*	1807	607	402	490	170	1741	541	34.0
IP77214/A*	2007	607	402	490	170	1941	541	37.0
IP25254/A*	707	707	402	490	170	641	641	18.0
IP37254/A*	1007	707	402	490	170	941	641	22.0
IP21294/A*	607	807	402	490	170	541	741	18.0
IP29294/A	807	807	402	490	170	741	741	21.0
IP37294/A*	1007	807	402	490	170	941	741	25.0
IP45294/A	1207	807	402	490	170	1141	741	29.0
IP61294/A*	1607	807	402	490	170	1541	741	37.0
IP69294/A*	1807	807	402	490	170	1741	741	40.0
IP77294/A*	2007	807	402	490	170	1941	741	44.0
IP29215/A*	807	607	502	490	170	741	541	21.0
IP45215/A*	1207	607	502	490	170	1141	541	27.0
IP61215/A*	1607	607	502	490	170	1541	541	34.0
IP69215/A*	1807	607	502	490	170	1741	541	37.0
IP77215/A	2007	607	502	490	170	1941	541	41.0
IP21295/A*	607	807	502	490	170	541	741	21.0
IP45295/A	1207	807	502	490	170	1141	741	32.0
IP61295/A	1607	807	502	490	170	1541	741	40.0
IP69295/A	1807	807	502	490	170	1741	741	44.0
IP77295/A*	2007	807	502	490	170	1941	741	48.0
IP29216/A*	807	607	602	490	170	741	541	27.0
IP45216/A*	1207	607	602	490	170	1141	541	36.0
IP61216/A*	1607	607	602	490	170	1541	541	40.0
IP77216/A*	2007	607	602	490	170	1741	541	45.0
IP77296/A*	2007	807	602	490	170	1941	741	53.0

\* Available on request.



# Monarch IP

## Accessories to suit all Monarch IP enclosures

### Rainhoods

Rainhoods are designed to shed water from the top of the enclosure to prevent it from pooling on top of the enclosure. The rainhoods have an overhang of 14mm.

Part Number	Material	Dimensions (mm)			Slope Angle (Degrees)	To suit enclosures (mm)		
		Height	Width	Depth		Width	Depth	
IPRH132	Zinc coated steel	30	400	284	2.0	400	270	
IPRH211		30	600	189	3.0	600	175	
IPRH212		30	600	284	2.0	600	270	
IPRH214		30	600	414	1.5	600	400	
IPRH215		30	600	514	1.0	600	500	
IPRH216		30	600	614	1.0	600	600	
IPRH254		30	700	414	1.5	700	400	
IPRH292		30	800	284	2.0	800	270	
IPRH294		30	800	414	1.5	800	400	
IPRH295		30	800	514	1.0	800	500	
IPRH296		30	800	614	1.0	800	600	
IPRH051/S		316 stainless steel	30	200	189	3.0	200	175
IPRH091/S			30	300	189	3.0	300	175
IPRH132/S			30	400	284	2.0	400	270
IPRH211/S			30	600	189	3.0	600	175
IPRH212/S			30	600	284	2.0	600	270
IPRH214/S	30		600	414	1.5	600	400	
IPRH215/S	30		600	514	1.0	600	500	
IPRH216/S	30		600	614	1.0	600	600	
IPRH254/S	30		700	414	1.5	700	400	
IPRH292/S	30		800	284	2.0	800	270	
IPRH294/S	30	800	414	1.5	800	400		
IPRH295/S	30	800	514	1.0	800	500		
IPRH296/S	30	800	614	1.0	800	600		

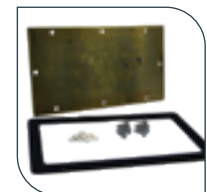


Zinc coated steel

### Gland Plates

Designed for efficient and flexible fitting and installation of cable glands.

Part Number	Material	Dimensions (mm)			To suit enclosure (mm)	
		Width	Depth	Thickness	Width	Depth
IPGP31	Zinc coated steel	290	160	1.6	400	270
IPGP41		480	160	1.6	600 or 800	270
IPGP52		530	210	1.6	600, 700 or 800	400, 500 or 600
IPGS31	316 stainless steel	290	160	1.5	400	270
IPGS41		480	160	1.5	600 or 800	270
IPGS52		530	210	1.5	600, 700 or 800	400, 500 or 600
IPGB31	Brass	290	160	6	400	270
IPGB41		480	160	6	600 or 800	270
IPGB52		530	210	6	600, 700 or 800	400, 500 or 600
IPGA31	Aluminium	290	160	2.5	400	270
IPGA41		480	160	2.5	600 or 800	270
IPGA52		530	210	2.5	600, 700 or 800	400, 500 or 600



IPGB



# Monarch IP

Accessories to suit all Monarch IP enclosures



## Plinths

Designed for use when mounting enclosures on the floor.

Product	Material	Part Number	Dimensions (mm)			To suit enclosures (mm)	
			Height	Width	Depth	Width	Depth
Access plinths	Steel	IPPH214	200	600	374	600	400
		IPPH215	200	600	474	600	500
		IPPH216	200	600	574	600	600
		IPPH294	200	800	374	800	400
		IPPH295	200	800	474	800	500
		IPPH296	200	800	574	800	600
	316 stainless steel	IPPH295/3	300	800	470	800	500
		IPPH214/S	200	600	374	600	400
		IPPH215/S	200	600	474	600	500
		IPPH216/S	200	600	574	600	600
		IPPH294/S	200	800	374	800	400
		IPPH295/S	200	800	474	800	500
		IPPH296/S	200	800	574	800	600
		Plinth	Channel iron	IPPC212	75	600	241
IPPC214	75			600	371	600	400
IPPC215	75			600	471	600	500
IPPC216	75			600	571	600	600
IPPC254	75			700	371	700	400
IPPC294	75			800	371	800	400
IPPC295	75			800	471	800	500
IPPC296	75			800	571	800	600
IPPC424	75			1200	371	1200	400
IPPC425	75			1200	471	1200	500
IPPC504	75			1400	371	1400	400
IPPC505	75			1400	471	1400	500
IPPC584	75			1600	371	1600	400
IPPC585	75	1600	471	1600	500		
Clamp bracket	Set of 4 (for use with channel iron plinth)	IPPCB	-	-	-	all	all
Gasket	Neoprene (4m length)	IPPC/G	3	20	-	all	all



IPPC

## Vent Kits – IP23

Ensure that the enclosure does not become excessively hot by allowing natural circulation of air.

The vent kit includes a gasket, insert filter and fittings. Note that by the nature of this item, the enclosure will then not be rated to IP66.

Part Number	Material	Description	Dimensions (mm)		
			Height	Width	To suit cutout (mm)
IPVK	Zinc coated steel	Powdercoated RAL7032	130	130	80 x 80
IPVK/LG		Powdercoated RAL7035	130	130	80 x 80
IPVK/RO		Powdercoated X15 Orange	130	130	80 x 80
IPVK16		Powdercoated RAL7032	260	260	190 x 190
IPVK/S	316 stainless steel	-	130	130	80 x 80
IPVK16/S		-	260	260	190 x 190
IPVK/A	Aluminium	Powdercoated RAL7035	130	130	80 x 80
IPVK16/A			260	260	190 x 190



IPVK

# Monarch IP

## Accessories to suit all Monarch IP enclosures

### Vent Hoods

Designed to suit B&R's range of fans, filters and vent kits (on selected sizes) to ensure that the fan is protected mechanically and to protect from water and dust ingress.

Part Number	Material	Colour	Dimensions (mm)			To suit
			Height	Width	Depth	
IPVH12	Zinc coated steel	Pebble Grey RAL7032	300	200	50	FAN/FIL12 & IPVK
IPVH12/LG		Light Grey RAL7035	300	200	50	FAN/FIL12 & IPVK
IPVH25		Pebble Grey RAL7032	400	300	50	FAN23/28 & FAN/FIL25
IPVH25/LG		Light Grey RAL7035	400	300	50	FAN23/28 & FAN/FIL25
IPVH35		Pebble Grey RAL7032	475	375	75	FAN/FIL35
IPVH35/LG		Light Grey RAL7035	475	375	75	FAN/FIL35
IPVH12/S	316 stainless steel	N4 finish	300	200	50	FAN/FIL12 & IPVK/S
IPVH12/SRO		X15 Orange	300	200	50	FAN/FIL12 & IPVK/S
IPVH25/S		N4 finish	400	300	50	FAN23/28 & FAN/FIL25
IPVH25/SRO		X15 Orange	400	300	50	FAN23/28 & FAN/FIL25
IPVH35/S		N4 finish	475	375	75	FAN/FIL35
IPVH35/SRO		X15 Orange	475	375	75	FAN/FIL35



IPVH & IPVH/S

### Metal Mounting Pans

Very simple to install using the rails supplied as part of the Monarch IP enclosure. They are manufactured from 2mm thick pre-treated mild steel with a gloss white powdercoat finish.

Part Number	Dimensions (mm)			To suit enclosure (mm)	
	Height	Width	Thickness	Height	Width
IPMP0905	250	150	2	300	200
IPMP1309	350	250	2	400	300
IPMP1313	320	340	2	400	400
IPMP1321	320	540	2	400	600
IPMP2113	520	340	2	600	400
IPMP2121	520	540	2	600	600
IPMP2129	520	740	2	600	800
IPMP2525	620	640	2	700	700
IPMP2921#	720	540	2	800	600
IPMP2929#	720	740	2	800	800
IPMP3721#	920	540	2	1000	600
IPMP3725#	920	640	2	1000	700
IPMP3729#	920	740	2	1000	800
IPMP4521#	1120	540	2	1200	600
IPMP4529#	1120	740	2	1200	800
IPMP6121*	1520	540	2	1600	600
IPMP6129*	1520	740	2	1600	800
IPMP6921*	1720	540	2	1800	600
IPMP6929*	1720	740	2	1800	800
IPMP7721*	1920	540	2	2000	600
IPMP7729*	1920	740	2	2000	800



IPMP

\* Mounting pan features double return on sides and single return on top for extra rigidity.

# Mounting pan features single return on sides.

# Monarch IP

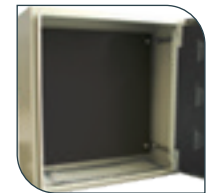
Accessories to suit all Monarch IP enclosures



## Insulated Mounting Pans

Suitable where use of a metallic pan is not acceptable. Manufactured from black laminated phenolic material and supplied with all fixings, the insulated mounting pan is easy to install and use.

Part Number	Dimensions (mm)			To suit enclosure (mm)	
	Height	Width	Thickness	Height	Width
IPFP0905	250	150	6	300	200
IPFP1309	350	250	6	400	300
IPFP1313	320	340	6	400	400
IPFP1321	320	540	6	400	600
IPFP2113	520	340	6	600	400
IPFP2121	520	540	6	600	600
IPFP2129	520	740	6	600	800
IPFP2525	620	640	6	700	700
IPFP2921	720	540	6	800	600
IPFP2929	720	740	6	800	800
IPFP3721	920	540	6	1000	600
IPFP3725	920	640	8	1000	700
IPFP3729	920	740	8	1000	800
IPFP4521	1120	540	8	1200	600
IPFP4529	1120	740	8	1200	800



IPFP

## Double Hinged Insulating Panels

Mainly used for metering applications. They are functional mounting solution for equipment installation that provides full access to the rear of the panel.

Part Number	Dimensions (mm)			To suit enclosure (mm)	
	Height	Width	Thickness	Height	Width
IPHP1313	320	325	6	400	400
IPHP1321	320	525	6	400	600
IPHP2113	520	325	6	600	400
IPHP2121	520	525	6	600	600
IPHP2129	520	725	6	600	800
IPHP2421	595	525	6	partial height	600
IPHP2429	595	725	6	partial height	800
IPHP2525	620	625	6	700	700
IPHP2921	720	525	6	800	600
IPHP2929	720	725	6	800	800
IPHP3221	795	525	6	partial height	600
IPHP3229	795	725	6	partial height	800
IPHP3721	920	525	6	1000	600
IPHP3725	920	625	8	1000	700
IPHP3729	920	725	8	1000	800
IPHP4521	1120	525	8	1200	600
IPHP4529	1120	725	8	1200	800



IPHP

# Monarch IP

## Accessories to suit all Monarch IP enclosures

### Hinged Escutcheons

Used for covering internal controls and accessories. They can be mounted singularly or with two or more fitted into the enclosure. Fitting requires universal rail kit (see page 92).

Part Number	Dimensions (mm)			Required (rail kit)	To suit enclosures (mm)	
	Height	Width	Depth		Height	Width
IPHE1313	324	319	18	IPRK1313	400	400
IPHE1321	319	524	18	IPRK1321	400	600
IPHE2113	524	319	18	IPRK2113	600	400
IPHE2121	524	519	18	IPRK2121	600	600
IPHE2129	524	719	18	IPRK2129	600	800
IPHE2421	599	519	18	-	partial	600
IPHE2429	599	719	18	-	partial	800
IPHE2525	624	619	18	IPRK2525	700	700
IPHE2921	724	519	18	IPRK2921	800	600
IPHE2929	724	719	18	IPRK2929	800	800
IPHE3221	799	519	18	-	partial	600
IPHE3229	799	719	18	-	partial	800
IPHE3721	924	519	18	IPRK3721	1000	600
IPHE3725	924	619	18	IPRK3725	1000	700
IPHE3729	924	719	18	IPRK3729	1000	800
IPHE4521	1124	519	18	IPRK4521	1200	600
IPHE4529	1124	719	18	IPRK4529	1200	800
IPHE6121	1524	519	18	IPRK6121	1600	600
IPHE6129	1524	719	18	IPRK6129	1600	800
IPHE6921	1724	519	18	IPRK6921	1800	600
IPHE6929	1724	719	18	IPRK6929	1800	800
IPHE7721	1924	519	18	IPRK7721	2000	600
IPHE7729	1924	719	18	IPRK7729	2000	800

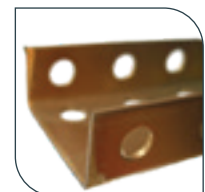


IPHE

### Escutcheon Rails

Used where two escutcheons meet in the enclosures.

Part Number	Description	Height (mm)
IPEJ	Pack of 10	joining bracket
IPER05	-	525
IPER07	-	725
IPER19	-	1975



IPER

# Monarch IP

Accessories to suit all Monarch IP enclosures



## Fixed Esutcheons

Used for covering internal controls and accessories. They form a second tier mounting arrangement, in front of the mounting pan. They can be mounted singularly or with two or more fitted into the enclosure. Fitting requires universal rail kit (see page 92).

Part Number	Dimensions (mm)			Required (rail kit)	To suit enclosures (mm)	
	Height	Width	Depth		Height	Width
IPFE1308	324	199	18	-	-	-
IPFE1313	324	324	18	IPRK1313	400	400
IPFE1316	324	399	18	-	-	-
IPFE1321	324	524	18	IPRK1321	400	600
IPFE1329	324	724	18	-	400	800
IPFE1616	399	399	18	-	-	-
IPFE2108	524	199	18	-	600	-
IPFE2113	524	324	18	IPRK2113	600	400
IPFE2116	524	399	18	-	600	-
IPFE2121	524	524	18	IPRK2121	600	600
IPFE2129	524	724	18	IPRK2129	600	800
IPFE2408	599	199	18	-	-	-
IPFE2413	599	324	18	-	-	-
IPFE2416	599	399	18	-	-	-
IPFE2421	599	524	18	-	-	-
IPFE2429	599	724	18	-	-	-
IPFE2525	624	624	18	IPRK2525	700	700
IPFE2908	724	199	18	-	800	-
IPFE2916	724	399	18	-	800	-
IPFE2921	724	524	18	IPRK2921	800	600
IPFE2929	724	724	18	IPRK2929	800	800
IPFE3208	799	199	18	-	-	-
IPFE3213	799	324	18	-	-	-
IPFE3216	799	399	18	-	-	-
IPFE3221	799	524	18	-	-	-
IPFE3229	799	724	18	-	-	-
IPFE3708	924	199	18	-	-	-
IPFE3713	924	324	18	-	-	-
IPFE3716	924	399	18	-	-	-
IPFE3721	924	524	18	IPRK3721	1000	600
IPFE3725	924	624	18	IPRK3725	1000	700
IPFE3729	924	724	18	IPRK3729	1000	800
IPFE4508	1124	199	18	-	-	-
IPFE4513	1124	324	18	-	1200	400
IPFE4516	1124	399	18	-	-	-
IPFE4521	1124	524	18	IPRK4521	1200	600
IPFE4529	1124	724	18	IPRK4529	1200	800



IPFE

## Mounting Brackets

For ease of installation and fixing to the mounting surface. Mounting brackets ensure optimum installation and safety.

Part Number	Material	Quantity	To suit enclosure width (mm)
MEB/S	Stainless steel	4	all
IPWM	Zinc coated steel	4	all
IPWM/A	Aluminium	4	all
IPWM/S	Stainless steel	4	all



MEB/S

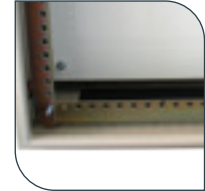
# Monarch IP

## Accessories to suit all Monarch IP enclosures

### Universal Rail Kits

Used to install both fixed and hinged escutcheons and complete with 4 rails and fixings. A pair of height rails and a pair of width rails are provided in each kit.

Part Number	Rail lengths (mm)		To suit enclosures (mm)	
	Rail Height	Rail Width	Height	Width
IPRK1313	375	325	400	400
IPRK1321	375	525	400	600
IPRK1329	375	725	400	800
IPRK2113	575	325	600	400
IPRK2121	575	525	600	600
IPRK2129	575	725	600	800
IPRK2525	675	625	700	700
IPRK2921	775	525	800	600
IPRK2929	775	725	800	800
IPRK3721	975	525	1000	600
IPRK3725	975	625	1000	700
IPRK3729	975	725	1000	800
IPRK4521	1175	525	1200	600
IPRK4529	1175	725	1200	800
IPRK6121	1575	525	1600	600
IPRK6129	1575	725	1600	800
IPRK6921	1775	525	1800	600
IPRK6929	1775	725	1800	800
IPRK7721	1975	525	2000	600
IPRK7729	1975	725	2000	800



IPRK

### Door Stays

Ensures door remains open even in windy weather ensuring the safety of people working on the installed equipment.

Part Number	Quantity	To suit enclosure width (mm)
IPDS	1	All (except IP09051/S & IP13091/S)



IPDS

### Eye Bolts

Ensures enclosure is not damaged when lifted and can be moved safely. Compliant to AS4991: Lifting Devices.

Part Number	Quantity	Lift Rating	To suit enclosure width (mm)
LEB/12	2	125kg per bolt	all



LEB/12

# Monarch IP

Accessories to suit all Monarch IP enclosures



## Shelves

White powdercoated shelving comes complete with knockout for cabling and all fittings. Designed for use as segregation panels for switchboard applications mounting fixed equipment.

Part Number	Dimensions (mm)		To suit enclosures (mm)	
	Width	Depth	Width	Depth
IPSH211	563	105	600	175
IPSH212	563	160	600	270
IPSH214	563	280	600	400
IPSH215	563	380	600	500
IPSH216	563	480	600	600
IPSH254	663	280	700	400
IPSH292	763	160	800	270
IPSH294	763	280	800	400
IPSH295	763	380	800	500
IPSH296	763	480	800	600

**STATIC  
UDL  
200kg**



IPSH



These shelves are NOT designed for load during transport.

## DIN Rails

Used for mounting DIN switchgear and accessories into the enclosure. It is available for all models in aluminium, steel and slotted designs.

Part Number	Material	Description	Dimensions (mm)	
			Length	Depth
IPDN03	Aluminium	-	360	15
IPDN05			560	15
IPDN07			760	15
DIN35/15AL	Steel	-	3000	15
DIN35/7.5			2000	7.5
DIN35/7.5SL			2000	7.5
DINSB	-	Mounting kit, angle support brackets	-	-



DIN35/7.5SL



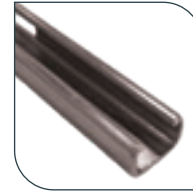
# Monarch IP

Accessories to suit all Monarch IP enclosures

## Standard Rails – C Section

Used to fit additional accessories and rails in the enclosure.

Part Number	Description	Height (mm)	To suit enclosure depth (mm)
IPCR	C Rail	3400	-
IPCR01		137	-
IPCR02		232	270
IPCR03		360	400
IPCR04		460	500
IPCR05		560	600
IPTO	Takeoff bracket (pack of 10)	-	-



IPCR



IPTO

## Universal Rails

Designed for mounting equipment inside an enclosure. Either fixed lengths or can be cut to size requirements.

Part Number	Description	Length (mm)	To suit enclosure height (mm)
IPUV	25 pitch	1975	all
UV1	20 pitch	1984	all



IPUV

## 19" Mounting Rails

Designed for mounting equipment inside an enclosure. Either fixed lengths or can be cut to size requirements.

Part Number	Dimensions (mm)			To suit enclosures (mm)	
	Height	Width	Depth	Height	Width
UV19	1946	58.5	76	-	
IPRU11	536	-	-	600	
IPRU15	758	-	-	800	
IPRU24	1158	-	-	1200	600
IPRU32	1469	-	-	1600	
IPRU38	1736	-	-	1800	
IPRU42	1958	-	-	2000	
IPRU11/800	536	-	-	600	
IPRU15/800	758	-	-	800	
IPRU24/800	1158	-	-	1200	800
IPRU32/800	1469	-	-	1600	
IPRU38/800	1736	-	-	1800	
IPRU42/800	1958	-	-	2000	

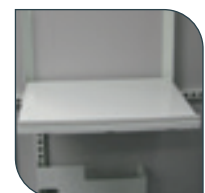


IPRU

## Laptop Lecterns

Designed to allow fast and easy access when using a laptop computer. The laptop lectern protrudes 45mm inside the door. Mounting requires door rails (purchased separately).

Part Number	Description	Dimensions (mm)		To suit door (mm)	
		Width	Depth	Height	Width
IPLL▲	Laptop lectern	440	300	600 & above	600 & above
IPRD6▲	Door rails (set of 2)	-	-	-	600
IPRD8▲		-	-	-	800



IPLL

▲ Available on request

# Monarch IP

Accessories to suit all Monarch IP enclosures

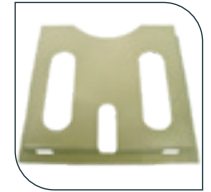


## Document Holders

Designed to standard A4 documents such as procedures and diagrams to ensure that they are kept clean and conveniently located.

Part Number	Description	To suit enclosure width (mm)
IPPLN	A4 Plastic	all
IPPLN04/35▲	A4 Metal	400 & above
IPPLN04/80▲	A4 Metal – Folder	400 & above
IPPLN06/15▲	A3	600 & above
IPPLN06/35▲	A3 Metal	600 & above
IPPLN06/80▲	A3 Metal – Folder	600 & above

▲ Available on request.



IPPLN

## Schedule Holders

Used to ensure maintenance schedules are always displayed prominently.

Part Number	Description	Mounting	Colour	Dimensions (mm)			To suit enclosure (mm)	
				Height	Width	Depth	Height	Width
IPLC150	150 line	Door rail	Pebble Grey RAL7032	255	210	–	400	300
IPLC40	40 line			230	110	–	300	200
LCH40	40 line	Tape or rivets	Light Grey RAL7035	230	110	8	300	200
LCH60	60 line			260	210	8	400	300
LCH78	78 line			380	110	8	500	200

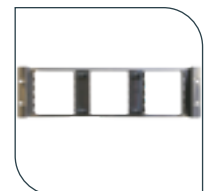


IPLC

## Backmount Frame

Part Number	Description	Height (RU)
FCCD15/19*	15-Way, 19 inch	3

\* 19 inch mounting rails required refer to page 88.



FCCD15/19

## Load Centre

Part Number	Description	Height (RU)
FCLC19/19*	19-pole, 19 inch	5

\* 19 inch mounting rails required refer to page 88.



FCLC19/19

# Monarch IP

## Accessories to suit all Monarch IP enclosures

### General Accessories

A range of general accessories to suit all Monarch IP enclosures.

Part Number	Product	Description
IPNLK	Night latch kit bracket	To enable Lockwood deadbolt to be fitted
IPP06		M6
IPP10	Hole plug (pack of 20)	M10
IPP13		M13
IPBO612		M6 x 12mm
IPBO625		M6 x 25mm
IPBO812	Bolt – hex head (pack of 20)	M8 x 12mm
IPBO825		M8 x25mm
IPBO830		M8 x 30mm
IPBO840/D	Accessory kit seal screw (pack of 10)	M8 x 40
IPN06		M6
IPN08	Hex head nuts (pack of 20)	M8
IPCG06		M6
IPCG08	Cage Nuts (pack of 20)	M8
IPCN06		M6
IPCN08	Foam back nuts (pack of 20)	M8
IPTO616	Screws – taptite (pack of 20)	M6 x 16mm
IPTPO616/S	Tamper proof screws with security bit	M6 x 16mm (pack of 10)
IPWF06		M6
IPWF08	Flat washers (pack of 20)	M8
IPWG06		Small
IPWG08	Seal washers (pack of 20)	Large
IPWS06		M6
IPWS08	Star washers (pack of 20)	M8
IPWSP06		M6
IPWSP08	Spring washers (pack of 20)	M8
IPOR06	Sealing ring (pack of 20)	M6
IPCDH	D handle	Chrome
ECESK	Earth strap kit	-
IPZRLG	Z Rail	760mm
TUP/P20		Pebble Grey RAL7032
TUP/P29	Touch Up Paint (300g)	Light Grey RAL7035

# Locks

Locks to suit Monarch IP enclosures



## Standard Locks

Enclosure	SH	SS	AI
≤1600mm	IP020 – chromed steel lock with 7mm square steel insert	IP020/S – black powdercoated lock with 7mm square stainless steel insert	IP020/PS – chromed steel lock with 7mm square steel insert
+1600mm	IP050 – lockable L handle keyed 92268	IP050 – lockable L handle keyed 92268	IP050 – lockable L handle keyed 92268

## Lock Options for Monarch IP Enclosures

There are a number of lock options available that are suitable for use on Monarch IP enclosures. Contact your local sales representative to discuss your requirements.

Product	Description	Part Number	Standard Lock/Insert	Alternative insert	Keys		
					Lockable handles	Plastic, 3-way	Aluminium, 4-way
Turnbuckle	chromed steel	IP020	7mm square – steel	See below		SKU	SKZ
	powdercoated	IP020/PS	7mm square – stainless steel	See below		SKU	SKZ
	stainless steel	IP020/S	7mm square – stainless steel	See below		SKU	SKZ
		IP028S/S	8mm square slotted – stainless steel	See below			
Wing knob	lockable	IP030	Key code 92268			SK3	
	non-lockable	IP111	–				
T-handle	lockable	IP040	Key code 92268			SK3	
L-handle	lockable	IP050	Key code 92268			SK3	
	lockable – stainless steel	IP050/S	Key code 92268			SK3	
	padlockable – steel	IP052	–				
	padlockable – stainless steel	IP052/S	–				
Swing handle	padlockable – steel	IP060	Suitable for up to 9mm diameter padlock shackle.				
	padlockable – stainless steel	IP060/S					



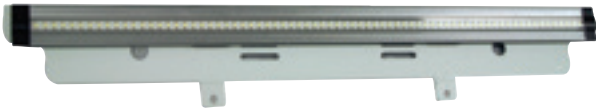
## Lock Inserts for IP020 Locks

The IP020 locks are available with an option lock insert for use on all Monarch IP enclosures. Contact your local sales engineer to discuss your requirements.

To suit lock style	Description	To suit lock	Standard Insert	3mm double bit pin		8mm square		8mm square slotted		8mm triangle	
				Steel	Stainless Steel	Steel	Stainless Steel	Stainless Steel	Steel	Stainless Steel	
Turnbuckle	chromed steel	IP020	7mm square – steel	LKINS3P		LKINS8S		LKINS8SS/S		LKIN8T	
	powdercoated with SS insert	IP020/PS	7mm square – stainless steel		LKINS3P/S		LKINS8S/S	LKINS8SS/S			LKINS8T/S
	stainless steel	IP020/S	7mm square – stainless steel		LKINS3P/S		LKINS8S/S	LKINS8SS/S			LKINS8T/S
Key required – aluminium			SKZ	SKZ	SKZ	SK8	SK8	SK8		SKZ	SKZ
Key required – plastic			SKU	SKU	SKU					SKU	SKU

# Enclosure LED Lighting

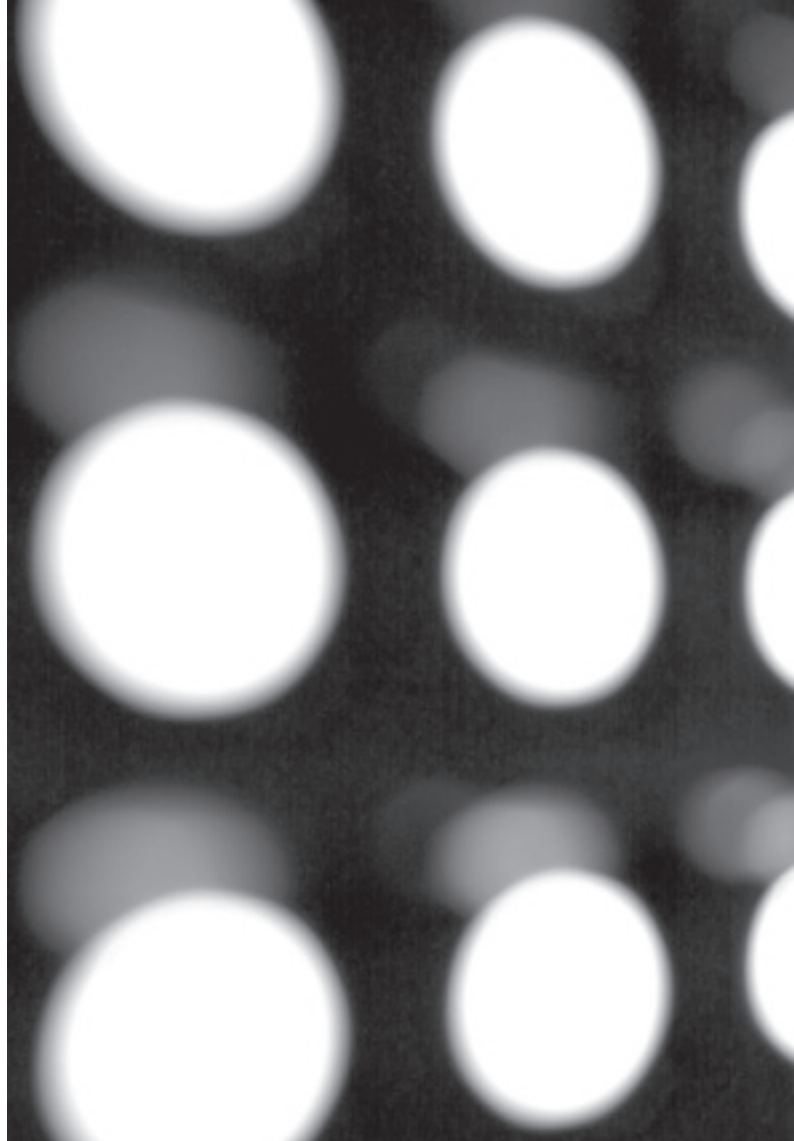
Our LED lighting solutions provide light inside an enclosure when visibility is required for both safety and efficiency.



High output, small form factor LED lighting. Up to 4 units can be daisy chained from the one power supply. Allows for the opening of full height swing frames or hinged escutcheons when fitted to the roof. The optional PIR movement sensor can be used for power efficiency as an automatic door switch. All light kits can be mounted directly onto 19" rack rails. In the absence of 19" rack rails a mounting kit is available to suit the enclosure size.

B&R's LED lighting solutions are applied to provide excess light within an enclosure and becomes a continuous light source to provide extra visibility.

- Energy saving up to 50% compared with traditional fluorescents under the same lux.
- Life span – over 50,000 hours
- Available in cool white, neutral white and warm white colour temperatures.
- Available in 12V and 24V options.
- Easy linking up to 36 watts per run.
- Easy to install.
- Low voltage — safe and efficient.
- Manufactured from aluminium with black plastic end caps and acrylic lens.
- Light source – SM3528 LED
- Operating temperature – -20°C to 40°C indoors



This information is provided as a guide only. Contact your local sales representative to discuss your requirements.

## Technical Operating Data

Length (mm)	Voltage (DC)	Power (W)	Radiance	ColourTemp	Luminous Flux (lm)*	LED Current (A)
300	12/24	3	90°	4400	280/360	0.18
500	12/24	5	90°	4400	460/600	0.18



### Monarch IP

Part Number	Power (V)	Inclusions					Required Mounting Bracket			To suit enclosure	
		LED Light	Power Supply	Splitter	Switch	Connectors	IPLKB04	IPLKB06	IPLKB08	Width (mm)	Optional
BRLED300	12	•	•		•		•			400	BRMOT PIR Motion Sensor
BRLED300/24	24	•	•		•		•			400	
BRLED500	12	•	•		•			•	•	600 or 800	
BRLED500/24	24	•	•		•			•	•	600 or 800	
BRLEDK03	-	•		•		•	•			400	
BRLEDK05	-	•		•		•		•	•	600 or 800mm	

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