

Protection: IP65/66

Compliance with: IEC 60529

ISO 9001:2008 TUV INTERCERT

Certification No.: 08-Q-01034-TIC



FEATURES

- Enclosure:** Copper free diecast aluminium alloy suitable for petroleum and marine locations.
- Application:** Can accommodate a wide range of electrical and electronic components and equipments.
- Range:** Manufactured in a range of sizes to suit varying industrial applications.
- Protection grade:** IP65 & 66 using an oil and petrol resistant neoprene lid gasket for temperature -40 °C to +120 °C.
- Cable entry:** Entry holes can be drilled on all sides to customer specification.
- Earthing:** Standard M6 internal and external earth screws. Large sizes on request.
- Mounting:** Via mounting holes or by using the optional mounting brackets.
- Finish:** Electrostatic powder coated or two pack epoxy paint.



68

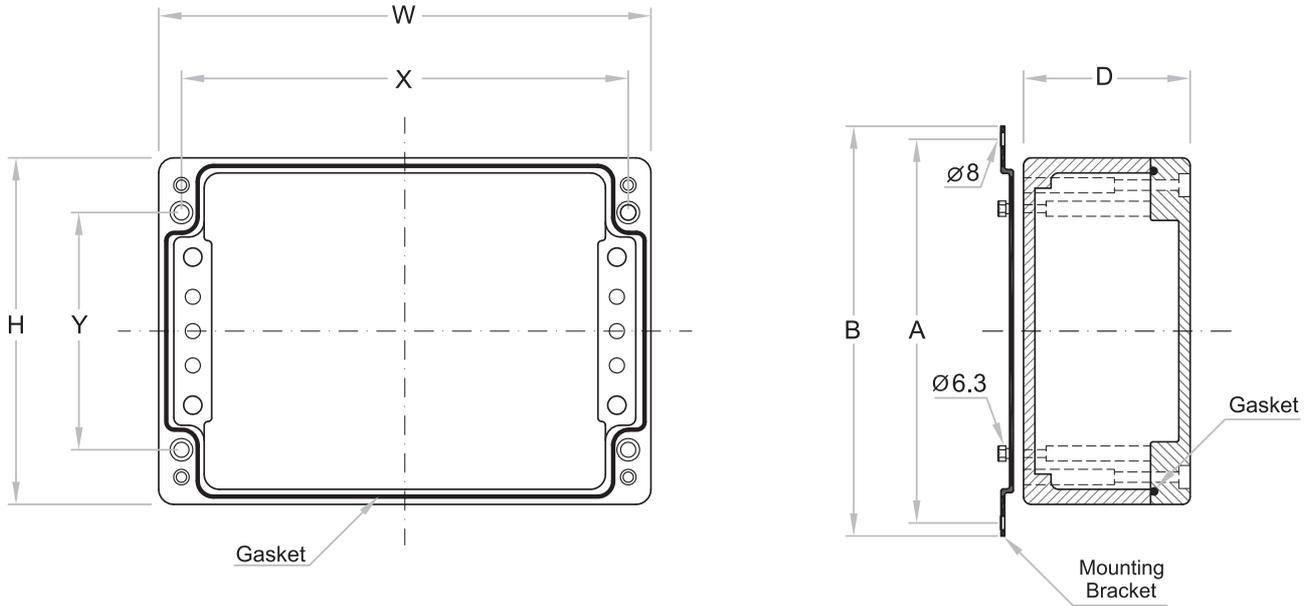
OPTIONS

- Stainless steel screws.
- Mounting accessories.
- Cable gland.

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IPT.. Weather Proof Terminal Boxes



ENCL. CAT NO.	Overall dimensions					MOUNTING HOLES (A)	MOUNTING BRACKET (B)	WEIGHT gms.
	W	H	D	X	Y			
IPT3	63	57	33	52	45	87	107	180
IPT9	176	81	58	163	52	101	131	560
IPT11	122	120	80	106	82	145	175	950
IPT14	160	160	90	140	110	190	220	1450
IPT17	360	160	90	340	110	190	220	2700
IPT20	330	230	110	310	180	260	290	4350

Protection: IP65/66

Compliance with: IEC 60529

ISO 9001:2000 TUV INTERCERT

Certification No.: 08-Q-01034-TIC



FEATURES

- Enclosure:** Copper free diecast aluminium alloy suitable for petroleum and marine locations.
- Application:** For operation of motors and a wide range of electrical equipments. Type of enclosures used is from NMA ranges.
- Range:** Emergency stop, start - stop, rotary switch, signal lamp, ammeter or other components can be used in any configuration to suit various requirements.
- Protection grade:** IP65 & 66 by using an oil and petrol resistant neoprene lid gasket for temperature -40 °C to +120 °C.
- Cable entry:** Entry holes can be drilled on all sides to customer specification.
- Earthing:** Standard M6 internal and external earth screws. Large sizes on request.
- Mounting:** Via mounting holes or by using the optional mounting brackets.
- Finish:** Electrostatic powder coated or two pack epoxy paint.



70

OPTIONS

Stainless steel screws.

Mounting brackets.

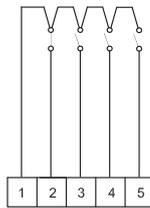
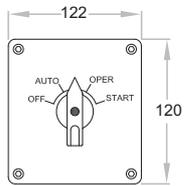
Cable gland.

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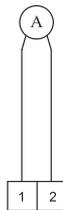
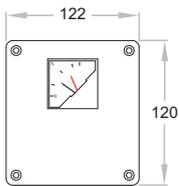


IPC Weather Proof Control Stations

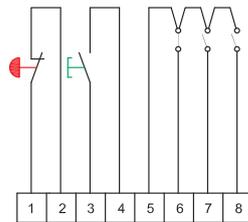
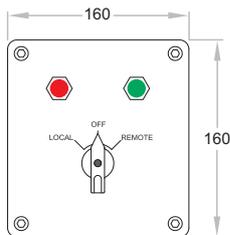
Typical examples of Weather Proof Control Stations



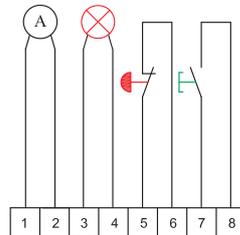
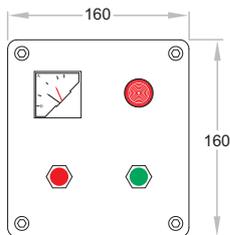
INTERNAL WIRING DIAGRAM



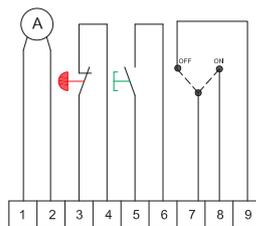
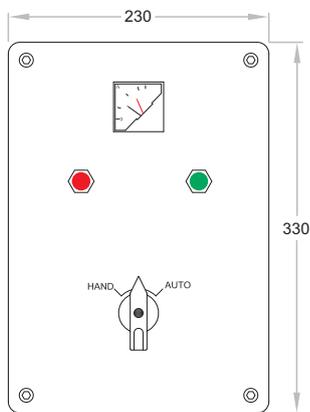
INTERNAL WIRING DIAGRAM



INTERNAL WIRING DIAGRAM



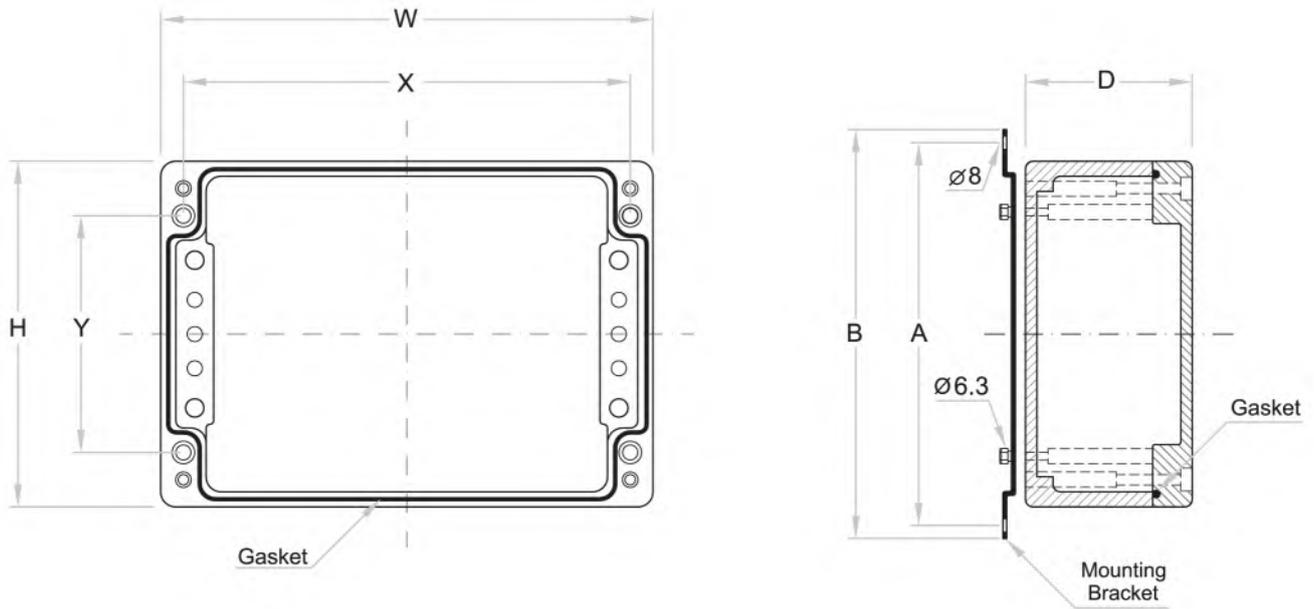
INTERNAL WIRING DIAGRAM



INTERNAL WIRING DIAGRAM



IPC.. Weather Proof Control Stations



ENCL. CAT NO.	Overall dimensions					MOUNTING HOLES (A)	MOUNTING BRACKET (B)	WEIGHT gms.
	W	H	D	X	Y			
IPC3	63	57	33	52	45	87	107	180
IPC9	176	81	58	163	52	101	131	560
IPC11	122	120	80	106	82	145	175	950
IPC14	160	160	90	140	110	190	220	1450
IPC15	260	160	90	240	112	190	220	2250
IPC17	360	160	90	340	110	190	220	2700
IPC20	330	230	110	310	180	260	290	4350

Protection: IP65/66

Compliance with: BS 6121, IEC 529, EN 600529

ISO 9001:2015 TÜV INTERCERT SAAR

Certification No.: 08-Q-01034-TIC



FEATURES

- Industrial type for non-armoured, elastomer and plastic insulated cables.
- For outdoor or indoor use, IP66.
- Provides a seal on outer sheath of cable.
- High pull out resistant seal on the cable sheath.
- Wide cable acceptable range for easy selection.
- Operating temperature range: -50 °C to +100 °C.
- Materials and finish: Manufactures as standard in brass with optional Nickel or galvanized plating. Also available in stainless steel or aluminium.



72

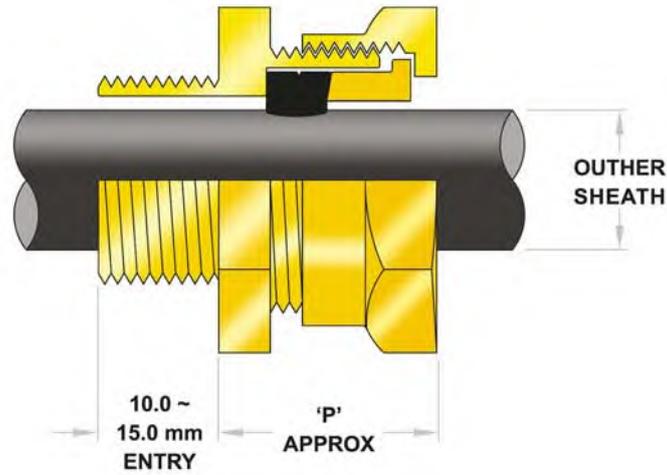
OPTIONS

- Sealing washer.
- Earth tag.
- Locknut.
- Shroud.

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NMG X21.. Industrial Non-armoured Cable Gland



NMG X21 CABLE GLAND SELECTION TABLE							
GLAND SIZE REF.	ENTRY THREAD SIZE		CABLE OUTER SHEATH		'P' Approx.	HEXAGON	
	METRIC	INCH*	MIN	MAX		ACROSS FLATS	ACROSS CORNERS
Oss**	M20	1/2"	3.0	6.0	26	24.0	27.5
Os**	M20	1/2"	3.0	8.0	26	24.0	27.5
O**	M20	1/2"	5.0	11.9	26	24.0	27.5
A	M20	3/4"	10.0	14.3	27	30.0	34.5
B	M25	1"	12.0	20.2	30	36.0	41.5
C	M32	1 1/4"	18.0	26.5	32	48.0	53.0
C2	M40	1 1/2"	23.0	32.5	33	55.0	63.5
D	M50	2"	29.3	44.4	40	65.0	75.0
E	M63	2 1/2"	40.0	55.5	40	80.0	92.5
F	M75	3"	54.5	67.5	42	95.0	109.5
G	M80	3 1/4"	67.0	73.0			
H	M90	3 1/2"	67.0	77.5			
J	M100	4"	75.0	91.5			

All metric entry threads are 1.5 mm pitch medium fit.

All dimensions in millimeters (except *)

** Sizes Oss, Os and O are also available in M16. For O size with M16, maximum inner sheath is 10.9

Ordering example: Gland type / Size / Thread, e.g. NMG X21 / A / M20

- Specify cable diameter and thread forms on ordering.
- Specify any optional accessories, if required.
- Design is subject to alteration without notice.

Protection: IP65/66

Compliance with: IEC 60529

ISO 9001:2015 TÜV INTERCERT SAAR

Certification No.: 08-Q-01034-TIC



FEATURES

- Industrial type for armoured E1 and non-armoured A2 elastomer and plastic insulated cables.
- For outdoor or indoor use, IP66.
- Provides seals on inner and outer sheaths of cable.
- High pull out resistant seal on the cable sheath.
- Wide cable acceptable range for easy selection.
- Operating temperature range: -50 °C to +100 °C.
- Materials and finish: Manufactures as standard in brass with optional Nickel or galvanized plating.
Also available in stainless steel.



74

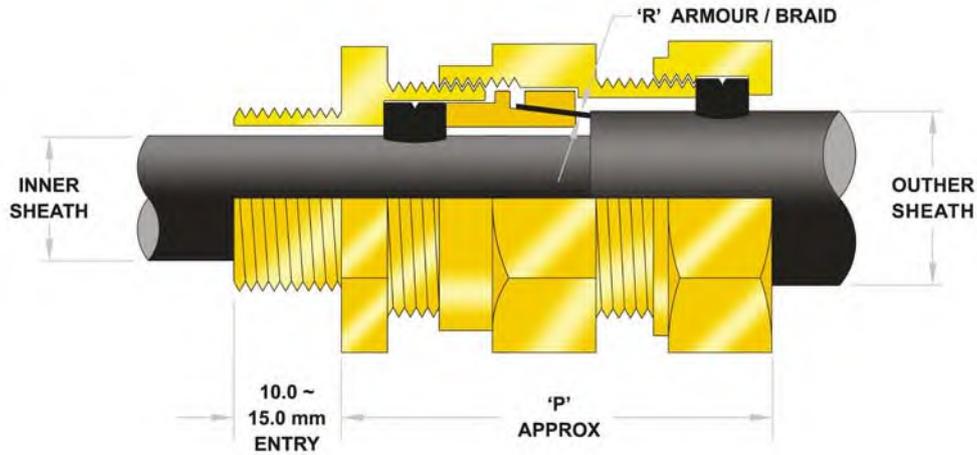
OPTIONS

- Sealing washer.
- Earth tag.
- Locknut.
- Shroud.
- Lead seal for lead sheathed cables.

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NMG X53.. Industrial Armoured Cable Gland



NMG X53 CABLE GLAND SELECTION TABLE

GLAND SIZE REF.	ENTRY THREAD SIZE		CABLE ACCEPTANCE DETAILS				'P' Approx.	HEXAGON		ARMOUR / BRAID 'R'	
			INNER SHEATH DIAMETER		OUTER SHEATH DIAMETER			ACROSS FLATS	ACROSS CORNERS		
	METRIC	INCH*	MIN	MAX	MIN	MAX					
Oss**	M20	1/2"	3.0	6.0	10.5	15.3	55	24.0	27.5	0 - 0.6 xyz	0.9 - 1.25 w
Os**	M20	1/2"	3.0	8.0	10.5	15.3	55	24.0	27.5	0 - 0.6 xyz	0.9 - 1.25 w
O**	M20	1/2"	5.0	11.5	10.5	15.3	55	24.0	27.5	0 - 0.6 xyz	0.9 - 1.25 w
A	M20	3/4"	10.0	14.0	13.0	20.9	55	30.0	34.5	0 - 0.6 xyz	0.9 - 1.25 w
B	M25	1"	13.0	19.3	18.0	26.5	65	36.0	41.5	0 - 0.6 xyz	0.9 - 1.25 w
C	M32	1 1/4"	18.0	25.5	25.0	32.0	65	48.0	53.5	0 - 0.6 xz	1.6 - 2.0 w
C2	M40	1 1/2"	25.0	32.5	31.0	42.5	72	55.0	63.5	0 - 0.6 xz	1.6 - 2.0 w
D	M50	2"	34.0	44.2	40.0	52.0	93	65.0	75.0	0 - 1.0 xz	1.8 - 2.5 wy
E	M63	2 1/2"	42.0	55.4	49.7	64.2	93	80.0	92.5	0 - 1.0 xz	1.8 - 2.5 wy
F	M75	3"	55.0	67.0	64.0	77.2	93	95.0	109.5	0 - 1.0 xz	1.8 - 2.5 wy
G	M80	3 1/4"	67.0	73.0	75.0	89.5	90	106.4	123.0		
H	M90	3 1/2"	67.0	77.6	75.0	89.5	90	106.4	123.0		
J	M100	4"	75.0	91.6	88.0	104.5	90	127.0	146.7		

All metric entry threads are 1.5 mm pitch medium fit.

All dimensions in millimeters (except *)

** Sizes Oss, Os and O are also available in M16. For O size with M16, maximum inner sheath is 10.9

Ordering example: Gland type / Size / Thread, e.g. NMG X53 / B / M25

- Specify cable inner and outer sheath diameter on ordering.
- Specify thread form e.g. metric, inch
- Specify any optional accessories, if required.
- Design is subject to alteration without notice.

Protection: IP65/66

Compliance with: IEC 60529

ISO 9001:2015 TÜV INTERCERT SAAR

Certification No.: 08-Q-01034-TIC



FEATURES

- Industrial type for armoured E1 and non-armoured A2 elastomer and plastic insulated cables.
- In accordance with BS 6121 for armoured E2 Lead sheathed and non-armoured A4 elastomer, plastic and paper insulated cables.
- Provides seals and electrical bond on lead inner and outer sheaths of cable.
- High pull out resistant seal on the cable sheath.
- Wide cable acceptance range for easy selection.
- Operating temperature range: - 50 °C to + 100 °C.
- Materials and Finish: Manufactured as standard in brass with optional Nickel or Galvanized plating. Also available in stainless steel.



76

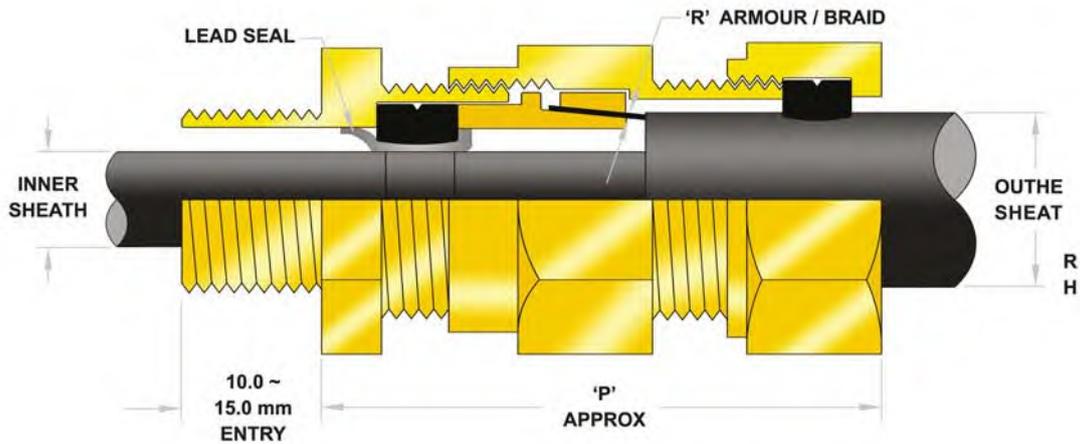
OPTIONAL ACCESSORIES

- Nickel or Galvanized plating for brass cable gland
- Sealing washer
- Earth tag
- Locknut
- Shroud

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NMG X53.. Industrial Armoured Cable Gland For Lead Sheated Cable



NMG X53 CABLE GLAND SELECTION TABLE

GLAND SIZE REF.	ENTRY THREAD SIZE		CABLE ACCEPTANCE DETAILS				'P' Approx.	HEXAGON		ARMOUR / BRAID 'R'	
			INNER SHEATH DIAMETER		OUTER SHEATH DIAMETER			MAX. ACROSS FLATS	MAX. ACROSS CORNERS		
	METRIC	INCH*	MIN	MAX	MIN	MAX					
O	M20	3/4"	4.8	9.4	8.0	15.0	56	24.0	27.0	0 - 0.6 xyz	0.9 - 1.25 w
A	M20	3/4"	7.0	11.0	13.0	20.5	56	30.0	34.5	0 - 0.6 xyz	0.9 - 1.25 w
B	M25	1"	10.5	16.4	18.0	26.5	66	36.0	41.6	0 - 0.6 xyz	1.25 - 1.6 w
Cs	M32	1 1/4"	15.0	18.5	25.0	32.5	66	46.0	53.1	0 - 0.6 xyz	1.6 - 2.0 w
C	M32	1 1/4"	18.0	22.7	25.0	32.5	66	46.0	53.1	0 - 0.6 xyz	1.6 - 2.0 w
C2s	M40	1 1/2"	20.0	25.0	31.0	42.0	73	55.0	63.5	0 - 0.6 xz	1.6 - 2.0 w
C2	M40	1 1/2"	23.0	28.5	31.0	42.0	73	55.0	63.5	0 - 0.6 xz	1.6 - 2.0 w
Ds	M50	2"	27.5	36.0	39.5	52.0	94	65.0	75.1	0 - 1.0 xz	1.8 - 2.5 wy
D	M50	2"	35.0	40.0	39.5	52.0	94	65.0	75.1	0 - 1.0 xz	1.8 - 2.5 wy
Ess	M63	2 1/2"	39.0	43.0	51.0	64.5	94	80.0	92.4	0 - 1.0 xz	1.8 - 2.5 wy
Es	M63	2 1/2"	42.0	46.0	51.0	64.5	94	80.0	92.4	0 - 1.0 xz	1.8 - 2.5 wy
E	M63	2 1/2"	45.0	51.0	51.0	64.5	94	80.0	92.4	0 - 1.0 xz	1.8 - 2.5 wy
Fss	M75	3"	50.0	54.5	63.5	77.5	94	95.0	109.6	0 - 1.0 xz	1.8 - 2.5 wy
Fs	M75	3"	53.5	58.0	63.5	77.5	94	95.0	109.6	0 - 1.0 xz	1.8 - 2.5 wy
F	M75	3"	57.0	65.0	63.5	77.5	94	95.0	109.6	0 - 1.0 xz	1.8 - 2.5 wy
G	M80	3 1/4"	67.0	73.0	75.0	89.5	93	106.4	123.0	0 - 1.0 xz	1.8 - 2.5 wy
H	M90	3 1/2"	67.0	77.6	75.0	89.5	93	106.4	123.0	0 - 1.0 xz	1.8 - 2.5 wy
J	M100	4"	75.0	91.6	88.0	104.5	93	127.0	146.7	0 - 1.0 xz	1.8 - 2.5 wy

All metric entry threads are 1.5 mm pitch medium fit.

All dimensions in millimeters (except *)

Ordering example: Gland type / Size / Thread, e.g. NMG X53 / B / M25

- Specify cable inner and outer sheath diameter on ordering.
- Specify thread form e.g. metric, inch ...
- Specify any optional accessories, if required.
- Design is subject to alteration without notice.