



B&R Enclosures
Universal NI – 316 Stainless Steel

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Universal NI – 316 Stainless Steel

General Purpose Enclosures



- Built for industrial and demanding environments.
- Threaded sockets on the rear of the enclosure to allow mounting feet attached without compromising the IP rating.
- 120° door opening for ease of access to internal systems.
- Region D wind rated to AS1170.2-2002: Structural design actions – Wind actions.
- Conformity, Approvals:
 - CE Mark
 - Lloyds Register #06/10007 (E2)
- Manufactured from 1.2/1.5mm thick 316 stainless steel.
- N4 surface finish or powdercoated X15 orange.

Comes standard with:

- 2mm steel mounting pan powdercoated white
- Stainless steel lock with 7mm square stainless steel insert (NI020/S)
- Door rails
- Earth strap kit



ORDERING GUIDE

Part Number		Dimensions (mm)						No. of Fixing Points (Suits M8 fixings)	Material Thickness (mm)	Weight (kg)	No. of Locks
		External		Internal		Mounting Pan					
Standard	X15 Orange	Height (A)	Width (B)	Depth (C)	Usable Depth (D)*	Height (E)	Width (F)				
NI03021/S	NI03021/SRO	300	200	150	125	250	150	4	1.2	3.9	1
NI03031/S	NI03031/SRO	300	300	150	125	250	250	4	1.2	5.3	1
NI03041/S	NI03041/SRO	300	400	150	125	250	350	4	1.2	6.8	1
NI04031/S	NI04031/SRO	400	300	150	125	350	250	4	1.2	6.7	1
NI04032/S■	NI04032/SRO■	400	300	200	175	350	250	4	1.2	9.0	1
NI03042/S	NI03042/SRO	300	400	200	175	250	350	4	1.5	9.0	1
NI04042/S■	NI04042/SRO■	400	400	200	175	350	350	4	1.5	11.0	1
NI05042/S■	NI05042/SRO■	500	400	200	175	450	350	4	1.5	14.0	1
NI06042/S■	NI06042/SRO■	600	400	200	175	550	350	4	1.5	16.0	1
NI05052/S■	NI05052/SRO■	500	500	200	175	450	450	4	1.5	16.0	1
NI04062/S■	NI04062/SRO■	400	600	200	175	350	550	4	1.5	16.0	1
NI06062/S■	NI06062/SRO■	600	600	200	175	550	550	4	1.5	22.0	1
NI08062/S■	NI08062/SRO■	800	600	200	175	750	550	6	1.5	29.0	2
NI10062/S■	NI10062/SRO■	1000	600	200	175	950	550	6	1.5	28.0	2
NI10082/S■	NI10082/SRO■	1000	800	200	175	950	750	4	1.5	45.0	2
NI04043/S■	NI04043/SRO■	400	400	300	275	350	350	4	1.5	19.0	1
NI06043/S■	NI06043/SRO■	600	400	300	275	550	350	4	1.5	19.0	1
NI04063/S■	NI04063/SRO■	400	600	300	275	350	550	4	1.5	19.0	1
NI06063/S■	NI06063/SRO■	600	600	300	275	550	550	4	1.5	25.0	1
NI08063/S■	NI08063/SRO■	800	600	300	275	750	550	6	1.5	32.0	2
NI10063/S■	NI10063/SRO■	1000	600	300	275	950	550	6	1.5	39.0	2
NI08083/S^	NI08083/SRO^	800	800	300	275	750	750	6	1.5	41.0	2
NI10083/S^	NI10083/SRO^	1000	800	300	275	950	750	6	1.5	49.0	2
NI12083/S^	NI12083/SRO^	1200	800	300	275	1150	750	8	1.5	58.0	2

* Mounting pan to inside of door

■ Includes vertical door rails

^ Includes horizontal and vertical door rails

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General Purpose Enclosures

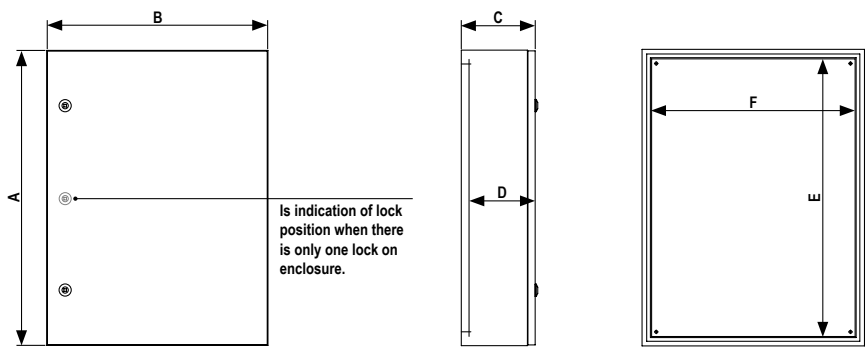


ACCESSORIES

Product	Description	Part Number	Dimensions (mm)																											
			Height	Width	Depth	N103021/S (SRO)	N103031/S (SRO)	N103041/S (SRO)	N104031/S (SRO)	N104032/S (SRO)	N103042/S (SRO)	N104042/S (SRO)	N105042/S (SRO)	N106042/S (SRO)	N105052/S (SRO)	N104062/S (SRO)	N106062/S (SRO)	N110062/S (SRO)	N110082/S (SRO)	N104043/S (SRO)	N106043/S (SRO)	N104063/S (SRO)	N106063/S (SRO)	N110063/S (SRO)	N108063/S (SRO)	N110083/S (SRO)	N112083/S (SRO)			
Rainhoods	316 stainless steel	NIRH021/S (SRO)	30	175.6	65	*																								
		NIRH031/S (SRO)	30	275.6	65		*	*																						
		NIRH032/S (SRO)	30	275.6	105				*																					
		NIRH041/S (SRO)	30	375.6	65			*																						
		NIRH042/S (SRO)	30	375.6	105					*	*	*	*																	
		NIRH043/S (SRO)	30	375.6	220																	*	*							
		NIRH052/S (SRO)	30	475.6	105									*																
		NIRH062/S (SRO)	30	575.6	105										*	*	*	*												
		NIRH063/S (SRO)	30	575.6	220																		*	*	*	*				
NIRH082/S (SRO)	30	775.6	105																	*										
NIRH083/S (SRO)	30	775.6	220																			*	*	*	*					
External vent kits	316 stainless steel	IPVK/S	130	130	-	^	^	^	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
		IPVK/SRO	130	130	-	^	^	^	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		IPVK16/S	260	260	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
		IPVK16/SRO	260	260	-	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^	^
Wall mounting brackets – 316 stainless steel	Set of 4	MEB/S	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Mounting flange kits	316 stainless steel	MF2/S	75	200	-	*																								
		MF3/S	75	300	-	*	*	*																						
		MF4/S	75	400	-	*	*	*	*	*	*											*	*							
		MF5/S	75	500	-	*	*	*	*	*	*	*																		
		MF6/S	75	600	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		MF8/S	75	800	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Mounting Pan -		NIMP0302	250	150	-	*																								
		NIMP0303	250	250	-	*	*																							
		NIMP0403	350	250	-	*	*	*	*																					
		NIMP0304	250	350	-	*	*	*	*	*																				
		NIMP0404	350	350	-	*	*	*	*	*	*											*	*							
		NIMP0504	450	350	-	*	*	*	*	*	*	*																		
		NIMP0604	550	350	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		NIMP0505	450	450	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		NIMP0406	350	550	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		NIMP0606	550	550	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		NIMP0806	750	550	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
		NIMP1006	950	550	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	NIMP0808	750	750	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	NIMP1008	950	750	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	NIMP1208	1150	750	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Replacement Hinge	Kit	NI/H	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

^ Fits door only

TECHNICAL DRAWINGS



Front View

Side View

Front View (Door Removed)

i See Page 3 for a range of lock options available for the Universal NI range.

Locks

To suit Forte FR and Universal NI enclosures



Standard Locks

Enclosure		
Universal NI	NI020 – chromed steel with 7mm square insert.	NI020/S – stainless steel lock with 7mm square stainless steel insert.

Lock Options

There are a number of additional lock options available that are suitable for use on Forte FR and Universal NI enclosures. Contact your local B&R 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	NI020	7mm square – steel	See below		SKU	SKZ
	powdercoated	NI020/PS	7mm square – stainless steel	See below		SKU	SKZ
	stainless steel	NI020/S	7mm square – stainless steel	See below		SKU	SKZ
		NI028/S	8mm square slotted – stainless steel	See below			SK8
Wing knob	lockable	NI030	Key code 92268			SK3	
	non-lockable	NI111	–				
T-handle	lockable	NI040	Key code 92268			SK3	
L-handle	lockable	NI050	Key code 92268			SK3	
	padlockable – steel	NI052	–				
	padlockable – stainless steel	NI052/S	–				
Dust cap	plastic	NI020/DC	to suit NI020 lock				



Lock Inserts for NI020 Locks

The NI020 locks are available with an optional lock insert. Contact your local B&R sales representative to discuss your requirements.

To suit lock style	Description	To suit lock	Standard Insert	3mm double bit pin		8mm square		8mm triangle	
				Steel	Stainless Steel	Steel	Stainless Steel	Steel	Stainless Steel
Turnbuckle	chromed steel	NI020	7mm square – steel	LKINS3P		LKINS8S		LKINS8SS/S	LKIN8T
	powdercoated with SS insert	NI020/PS	7mm square – stainless steel		LKINS3P/S		LKINS8S/S	LKINS8SS/S	LKINS8T/S
	stainless steel	NI020/S	7mm square – stainless steel		LKINS3P/S		LKINS8S/S	LKINS8SS/S	LKINS8T/S
Key required – aluminium			SKZ	SKZ	SKZ	SKZ	SKZ	SKZ	SKZ
Key required – plastic			SKU	SKU	SKU	SKU	SKU	SKU	SKU

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