



INDUSTRIAL

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AREAS

DATA ICT

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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.
- 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 | 1.5 | 6.7 | 1 |
| NI04032/S■ | NI04032/SRO■ | 400 | 300 | 200 | 175 | 350 | 250 | 4 | 1.5 | 9.0 | 1 |
| NI03042/S | NI03042/SRO | 300 | 400 | 200 | 175 | 250 | 350 | 4 | 1.2 | 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

Universal NI – 316 Stainless Steel

General Purpose Enclosures

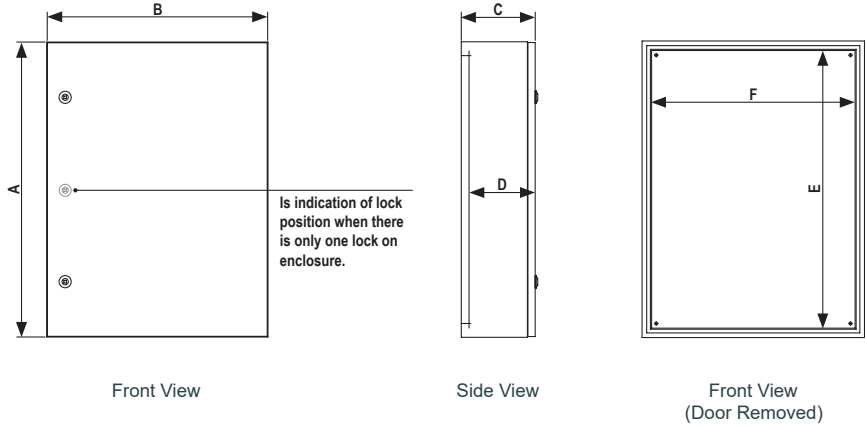


ACCESSORIES

| Product | Description | Part Number | Dimensions (mm) | | | N103021/S (SRO) | N103031/S (SRO) | N103041/S (SRO) | N104031/S (SRO) | N104032/S (SRO) | N103042/S (SRO) | N104042/S (SRO) | N105042/S (SRO) | N105052/S (SRO) | N104062/S (SRO) | N106062/S (SRO) | N110062/S (SRO) | N110082/S (SRO) | N104043/S (SRO) | N106043/S (SRO) | N106063/S (SRO) | N108063/S (SRO) | N110063/S (SRO) | N108083/S (SRO) | N110083/S (SRO) | N112083/S (SRO) |
|--|---------------------|-----------------|-----------------|-------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | | Height | Width | Depth | | | | | | | | | | | | | | | | | | | | | |
| 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



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 | SH | SS |
|--------------|---|--|
| 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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