



Universal DD - 316 Stainless Steel Double Door Enclosures - IP55

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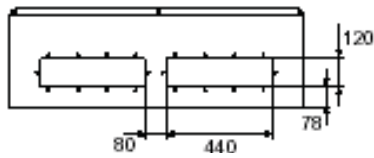
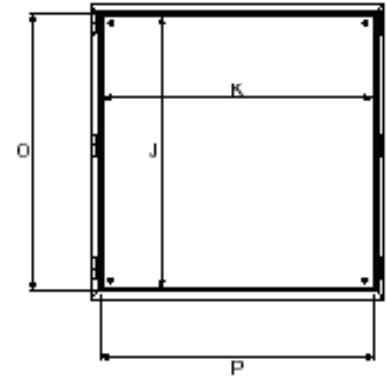
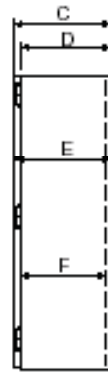
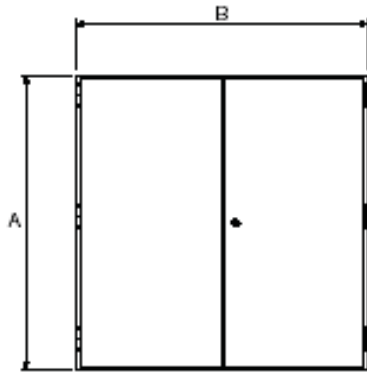
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DIMENSION SHEET

UNIVERSAL DD



Catalogue Number	External Dimensions				Internal Depth		Mounting Pan		Opening Size		No of Locks
	A	B	C	D	E	F	J	K	O	P	
DD10103/S	1000	1000	300	274	297	230	940	915	945	920	1
DD12103/S	1200	1000	300	274	297	230	1140	915	1145	920	1
DD12124/S	1200	1200	400	374	397	330	1140	1115	1145	1120	2
DD16104/S	1600	1000	400	374	397	330	1350	915	1355	920	1
DD16124/S	1600	1200	400	374	397	330	1350	1115	1355	1120	2
DD18104/S	1800	1000	400	374	397	330	1740	915	1745	920	1
DD18124/S	1800	1200	400	374	397	330	1740	1115	1745	1120	2
DD20104/S	2000	1000	400	374	397	330	1940	915	1945	920	1
DD20124/S	2000	1200	400	374	397	330	1940	1115	1945	1120	2
DD18125/S	1800	1200	500	474	497	430	1740	1115	1745	1120	2
DD20125/S	2000	1200	500	474	497	430	1940	1115	1945	1120	2



Universal DD - 316 Stainless Steel

Double Door Enclosure Range - IP55

brenclosures.com.au/ddss.htm



Universal DD Features

- Full access to install the mounting pan and maintain equipment
- Robust three point locking system
- Adjustable mounting pan with installation support rails
- Approvals
 - CE marked
 - Lloyds
- Materials
 - Body - 316 stainless steel
 - Body Thickness - 1.5mm
 - Gasket - Polyurethane
- Surface finish - N4
- Protection rating - IP55

The Universal DD is an IP55, double door, general purpose enclosure for industrial or demanding conditions. As it has no centre mullion, it is extremely easy to access all equipment mounted

on the included mounting pan. A 316 stainless steel construction ensures that the enclosure will stand up to the most arduous of conditions.

Inclusions

Steel mounting pan, gland plate fitted internally or externally, 7mm square turnbuckle lock (DD020/PS) on units below 1600mm high, lockable 'L' handle (DD050) in others, earth strap kit.

Universal DD Selection Guide

Catalogue No	Dimensions (mm)				Mounting Pan (mm)			No of Gland Plates	Weight (kg)
	Height	Width	Depth	Usable Depth*	Height	Width	Thk.		
DD10103/S	1000	1000	300	250	940	915	2	1	63.5
DD12103/S	1200	1000	300	250	1140	915	2	1	74.0
DD16104/S	1600	1000	400	350	1540	915	2	1	102.5
DD18104/S	1800	1000	400	350	1740	915	2	1	113.6
DD20104/S	2000	1000	400	350	1940	915	2	1	124.7
DD12124/S	1200	1200	400	350	1140	1115	2	2	93.3
DD16124/S	1600	1200	400	350	1540	1115	2	2	119.0
DD18124/S	1800	1200	400	350	1740	1115	2	2	131.9
DD20124/S	2000	1200	400	350	1940	1115	2	2	144.7
DD18125/S	1800	1200	500	450	1740	1115	2	2	140.3
DD20125/S	2000	1200	500	450	1940	1115	2	2	153.7

* Mounting pan to underside of door

Universal DD Accessories

Product	Description	Catalogue No	DD10103/S	DD12103/S	DD12124/S	DD16104/S	DD16124/S	DD18104/S	DD18124/S	DD18125/S	DD20104/S	DD20124/S	DD20125/S
Rainhood	30 mm high	DDRH103/S	•	•									
	30 mm high	DDRH104/S				•		•			•		
	30 mm high	DDRH124/S			•		•		•			•	
	30 mm high	DDRH125/S								•			•
Plinth - galvanised channel iron	75 x 1000 x 255 mm	DDCIP103	•	•									
	75 x 1000 x 355 mm	DDCIP104				•		•			•		
	75 x 1200 x 255 mm	DDCIP124			•		•		•			•	
	75 x 1200 x 455 mm	DDCIP125								•			•
Vent kit - external	130 x 130 mm	IPVK/S	•	•	•	•	•	•	•	•	•	•	•
Eye bolt	125kg per bolt (pack of 2)	LEB/12	•	•	•	•	•	•	•	•	•	•	•
Light kit	1000 mm wide	DDLTK10	•	•		•		•			•		
	1200 mm wide	DDLTK12			•		•		•	•		•	•

Universal DD Locks

Product	Description	Catalogue No	Standard Lock/Insert	Alternative insert	Keys		
					Lockable handles	Plastic, 3-way	Aluminium, 3-way
Turnbuckle	powdercoated	DD020/PS*	7 mm square - stainless steel*	See below		SKU	SKZ
	stainless steel	DD020/S	7 mm square - stainless steel	See below		SKU	SKZ
Wing knob	lockable	DD030	Key code 92268	—	SK3		
	non-lockable	DD111	—	—			
T handle	lockable	DD040	Key code 92268	—	SK3		
L handle	lockable	DD050	Key code 92268	—	SK3		
	padlockable	DD052	—	—			

Locks Inserts for DD020 Locks

To suit lock style	Description	To suit turn-buckle lock	Standard Insert	3mm double bit pin	8mm square	8mm triangle
				Stainless Steel	Stainless Steel	Stainless Steel
Turnbuckle	powdercoated with SS insert	DD020/PS*	7 mm square - stainless steel*	LKINS3P/S	LKINS8S/S	LKINS8T/S
	stainless steel	DD020/S	7 mm square - stainless steel	LKINS3P/S	LKINS8S/S	LKINS8T/S
Key required - aluminium			SKZ	SKZ	SK8	SKZ
Key required - plastic			SKU	SKU	—	SKU

Universal DD

Double Door Enclosure Range - IP55



The Universal DD is an IP55, double door general purpose enclosure. As it has no centre mullion, it is specifically designed for large applications that require maximum access to mounted equipment. A 316 stainless steel construction ensures that the enclosure will stand up to the most arduous of conditions.

Typical installations include industrial automation and process control applications.

Size Range Summary

Model	DD10103/S	DD12103/S	DD16104/S	DD18104/S	DD20104/S	DD12124/S
Height	1000	1200	1600	1800	2000	1200
Width	1000	1000	1000	1000	1000	1200
Depth	300	300	400	400	400	400

Model	DD16124/S	DD18124/S	DD20124/S	DD18125/S	DD20125/S
Height	1600	1800	2000	1800	2000
Width	1200	1200	1200	1200	1200
Depth	400	400	400	500	500

Inclusions

White mounting pan, gland plate, earth strap kit, 7mm square turnbuckle lock (DD020/S) on units below 1600mm high, Lockable 'L' handle (DD050) in others.

Accessories Summary

Rainhood, channel iron plinth, vent kits, internal light kits, lifting bolts, split gland plates, climate control, and various lock options.

Universal DD Features

- Protection rating of IP55 certified by NATA to ensure protection against dust and water in demanding conditions
- 316 stainless steel, corrosion resistant construction with an N4 surface finish for durability and to minimise 'tea staining' in a harsh Australian climate
- Removable back allows access to the back of the mounting pan or back-to-back installations
- Robust locking system which includes stainless steel inserts and three point locking with 'L' handles used on all enclosures 1600mm or higher
- Adjustable mounting pan made with special support rails intended to make installation easy
- Specially designed gutter system that helps extend the life of the gasket whilst preventing water from entering the enclosure
- Earthing strap supplied for additional safety
- Optional viewing window for monitoring equipment operation

Approvals

CE marked
Lloyds

Materials

Body - 316 stainless steel
Body Thickness - 1.5mm
Gasket - Polyurethane

Surface Finish - N4

Protection Rating - IP66

Guides

Material selection - page 290

Also of interest

Smaller sizes - page 94
Higher IP rating - page 106
More accessories - page 106

Drawing

Page 268

Universal DD Enclosures & Dimensions

Model	Dimensions (mm)			Mounting Pan (mm)			Gland Plates	Usable Depth (mm)	Weight (kg)
	Height	Width	Depth	Height	Width	Thk			
DD10103/S	1000	1000	300	940	915	2	1	250	63.5
DD12103/S	1200	1000	300	1140	915	2	1	250	74.0
DD16104/S	1600	1000	400	1540	915	2	1	350	102.5
DD18104/S	1800	1000	400	1740	915	2	1	350	113.6
DD20104/S	2000	1000	400	1940	915	2	1	350	124.7
DD12124/S	1200	1200	400	1140	1115	2	2	350	93.3
DD16124/S	1600	1200	400	1540	1115	2	2	350	119.0
DD18124/S	1800	1200	400	1740	1115	2	2	350	131.9
DD20124/S	2000	1200	400	1940	1115	2	2	350	144.7
DD18125/S	1800	1200	500	1740	1115	2	2	450	140.3
DD20125/S	2000	1200	500	1940	1115	2	2	450	153.7



Universal DD Accessories

Rainhoods

Rainhoods are designed to shed water from the top of the enclosure, and to prevent water from pooling on the enclosure top.

Catalogue Number	To suit enclosure Width x Depth (mm)	Dimensions (mm)		Slope Angle (degrees)
		Width	Depth	
DDRH103/S	1000 x 300	1000	314	1.8
DDRH104/S	1000 x 400	1000	414	1.4
DDRH124/S	1200 x 400	1200	414	1.4
DDRH125/S	1200 x 500	1200	514	1.1

Channel Iron Plinth - 75 mm

Hot dip galvanised for corrosion protection, the base plinth provides a rugged floor mounting option for the Universal DD range. The plinth is 75 mm high.

Catalogue Number	To suit enclosure Width x Depth (mm)	Dimensions (mm)	
		Width	Depth
DDCIP103	1000 x 300	1000	271
DDCIP104	1000 x 400	1000	371
DDCIP124	1200 x 400	1200	371
DDCIP125	1200 x 500	1200	471



External Vent Kit

Ensures 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 IP55.

Catalogue Number	Description	Dimensions
IPVK/S	External Vent Kit	130 x 130 mm (suits cutout 80 x 80 mm)



Non-metallic

General Purpose

Stainless Steel

Mining & Hazardous

Switchboard Building

Datascams

Climate Control

Technical Drawings

Enclosure Selection

Universal DD Accessories (continued)

Light Kits

For safety and to ensure easy installation and maintenance of equipment. The light kit comes complete with on-off switch, bracket, rail and all fittings required for installation.

Catalogue Number	Description
DDLTK10	Light kit suitable for 1000 mm wide DD enclosure
DDLTK12	Light kit suitable for 1200 mm wide DD enclosure

Lifting Eye Bolt

For ease of installation, lifting eye bolts ensure that the enclosure is not damaged when lifted, and is moved safely.

Catalogue Number	Description	Pack Quantity
LEB/12	Lifting Eye Bolt	2



Split Gland Plate

For ease of installation, especially when using a plinth mounting, a split gland plate can ensure that access to cable glands and cabling is always available.

Catalogue Number	Description
DDSGP	Split Gland Plate

Climate Control

B&R supply a wide variety of climate control equipment to suit almost any application. For full details please see the climate control section of this catalogue starting on page 188. The below shows typical selections only.

Catalogue Number	Description	Dimensions (mm)			Power (W)
		Height	Width	Depth	
TX-FAN23BN0A	Fan – External, Output 110 m³/h	250	250	111	20
TX-FAN25BN0A	Fan – External, Output 230 m³/h	250	250	119	56
TX-FAN35BN0A	Fan – External, Output 550 m³/h	325	325	151	90
TX-FIL25XN0A	Filter – Suits 110 or 230 m³/h output fan	250	250	30	—
TX-FIL35XN0A	Filter – Suits 550 m³/h output fan	325	325	30	—
TX-EGO10BM1A	Air Conditioner – Side mounted, 1050W cooling capacity	783	348	213	570
TX-MIX36BX0A	Heat Exchanger (air-air) – Side mounted 36W/K cooling	771	316	93	140



Universal DD Accessories

Locks

For security and ease of opening, B&R offers the following locks for the Universal DD enclosure.

Catalogue Number	Description
DD020	Turnbuckle Lock (standard type). For available lock inserts, see page 40
DD111	Wing Knob - non-lockable
DD030	Wing Knob - lockable
DD040	"T" Handle - lockable and keyed to code 92268
DD050	"L" Handle - lockable and keyed to code 92268
DD052	"L" Handle - padlockable and keyed to code 92268



DD020



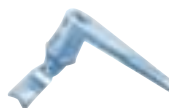
DD111



DD030



DD040



DD050



DD052

Non-metallic

General Purpose

Stainless Steel

Mining & Hazardous

Switchboard Building

Datacoms

Climate Control

Technical Drawings

Enclosure Selection



SPECIAL PURPOSE

UNIVERSAL DD SS

Water is prevented from entering the enclosure on opening by a high capacity guttering system

Door rails included for flexible equipment mounting

Three point locking for safety and to ensure correct sealing on the facing door



Corrosion resistant 1.5 mm thick 316 stainless steel with N4 surface finish

The Universal DD is an IP55, double door general purpose enclosure. It is extremely easy to access all equipment mounted on the included mounting pan, as it has no centre mullion to get in the way.

The Universal DD range includes a mounting pan, door rails, removable back, earth strap kit and gland plates. This makes for an easy installation of electrical components typically in industrial automation and process control type applications.

The mounting pan is fitted to a special support rail system, which allows its position in the enclosure to be altered to suit the application. This can help particularly when more cabling room is required behind the pan.

316 stainless steel is used for the construction to ensure a long life even in the most arduous of conditions.

Contact your local B&R office for details
www.brenclosures.com.au

TECHNICAL INFORMATION



Model	Dimensions (mm)			Max Usable Depth	Mounting Pan Size (mm)		
	Height	Width	Depth		Height	Width	Thick
DD10103/S	1000	1000	300	250	940	915	2
DD12103/S	1200	1000	300	250	1140	915	2
DD12124/S	1200	1200	400	350	1140	1115	2
DD16104/S	1600	1000	400	350	1540	915	2
DD16124/S	1600	1200	400	350	1540	1115	2
DD18104/S	1800	1000	400	350	1740	915	2
DD18124/S	1800	1200	400	350	1740	1115	2
DD20104/S	2000	1000	400	350	1940	915	2
DD20124/S	2000	1200	400	350	1940	1115	2
DD18125/S	1800	1200	500	450	1740	1115	2
DD20125/S	2000	1200	500	450	1940	1115	2



NB Images show zinc steel version

SPECIAL FEATURES

- NATA tested to IP55 protection rating
- Corrosion resistant 1.5mm thick 316 stainless steel (also available in zinc coated steel with powdercoat paint finish)
- Door rails included for flexible equipment mounting
- Three point locking for safety and to ensure correct sealing
- Robust mounting pan supplied with full depth adjustment in 25mm increments
- Easy mounting pan fitting on specially designed support rails
- Water is prevented from entering the enclosure on opening by a high capacity guttering system
- Earth strap kit included for additional safety
- Viewing windows are available on request

ACCESSORIES GUIDE

Model	Accessories						
	Rainhood	Base Plinth	Vent Kit	Lifting Bolts	Split Gland	Locks	Light Kits
DD10103/S	•	•	•	•	•	•	•
DD12103/S	•	•	•	•	•	•	•
DD16104/S	•	•	•	•	•	•	•
DD18104/S	•	•	•	•	•	•	•
DD20104/S	•	•	•	•	•	•	•
DD12124/S	•	•	•	•	•	•	•
DD16124/S	•	•	•	•	•	•	•
DD18124/S	•	•	•	•	•	•	•
DD20124/S	•	•	•	•	•	•	•
DD18125/S	•	•	•	•	•	•	•
DD20125/S	•	•	•	•	•	•	•

SALES OFFICES

Queensland (Brisbane)

Ph 07 3714 1000

Queensland (Townsville)

Ph 07 4775 6255

New South Wales (Sydney)

Ph 02 9687 0077

New South Wales (Newcastle)

Ph 02 4961 4433

Victoria (Melbourne)

Ph 03 8588 8400

South Australia (Adelaide)

Ph 08 8243 1166

Western Australia (Perth)

Ph 08 9248 9744

Tasmania (Launceston)

Ph 03 6331 5545

Northern Territory (Darwin)

Ph 08 8947 0870