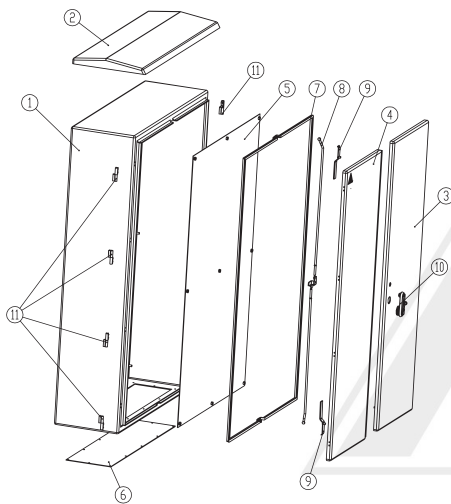


# Product Datasheet

## POLYESTER ENCLOSURE DOUBLE DOOR

GRP Double Door Enclosures are used for outdoor application with weatherproof and antistatic properties, finding their major application in the protection of LV and MV electrical distribution panels housed in them. Certified to the standards of the Power and Water utility authorities, double door enclosures are primarily utilized for front and controlled access to distribution circuits. Our multiple options allow our customers to customize the final product to meet their requirement.



1. GRP enclosure body
2. GRP large rain canopy
3. GRP right door
4. GRP left door
5. G.I mounting plate
6. G.I gland plate
7. EPDM rubber gasket
8. G.I 3 point cam & tie rod
9. G.I internal lock latch
10. Polyamide swing type lock
11. Zinc die cast lift off type hinges

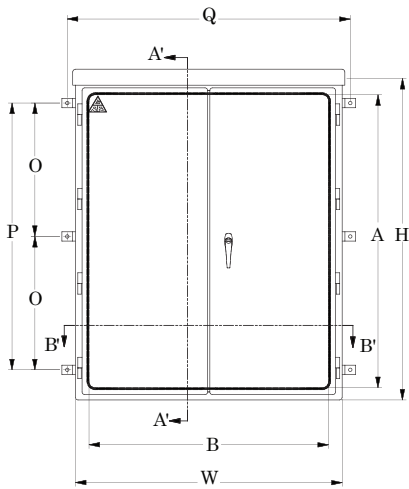
Features	Specifications	Other Options
Ingress Protection	IP-55 BS EN 60529:1992	IP-65/66 and lower
Weatherproof	UV Resistant - ASTM G154 Certified	
High Impact Resistant	IK8, BS EN 62262-22002 Certified	IK10, Anti-vandal sandwich construction with encapsulated plywood
Fire Retardant and Self Extinguishing	UL 94, BS 476:Part 7:1997 Class 2 Certified	Higher fire resistance upto Class 0
Anti-Static	IEC-60079-0 Certified	
Wall Thickness	4.5 ± 0.5mm generally and 6 ± 0.5mm at stress points	Increased wall thickness
Semi-Gloss External Gelcoat Finish	Light grey RAL 7035	Alternate RAL colors available on request refer to RAL Color chart on page 4
Long Life & High Temperature Resistant Rubber Seal	EPDM rubber gasket installed	Please refer page 7
Corrosion Resistant	SS 316 Stainless steel accessories	Please refer page 5
Customizable	Alternate sizes, accessories and options to match required specifications	Please refer page 5



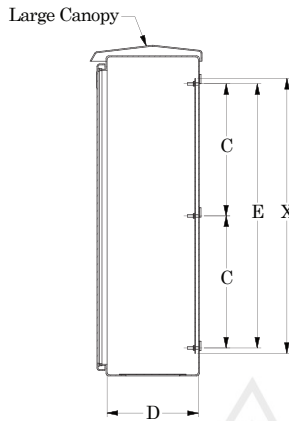
View Our Product Catalogue



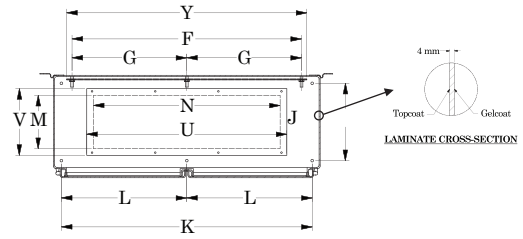
# POLYESTER ENCLOSURE-DOUBLE DOOR



FRONT ELEVATION



SECTION A-A'



SECTION B-B'

## Measurements

### Double Door

All dimensions in mm

SI No.	Product Reference	Internal Size			Clear Opening		*C/C of Studs					Mounting Plate Size			Gland Plate Cut Out Size			Gland Plate Size		C/C of Wall Brackets			C/C of Foundation Bolts			Total Weight (Kg ± 1) ***
		H	W	D	A	B	C	E	F	G	X	Y	N	N**	M	U	V	O	P	Q	K	L	J			
1	D 075090025	750	900	250	630	780	-	540	780	-	580	820	600		120	650	170	-	650	975	800	-	200	26		
2	D 100080030	1000	800	300	880	680	-	800	680	-	840	720	600		150	650	200	-	895	870	700	-	250	30		
3	D 100100030	1000	1000	300	880	880	-	800	850	-	840	890	800		150	850	200	445	890	1070	900	-	250	45		
4	D 120100030	1200	1000	300	1080	880	500	1000	850	-	1040	890	800		150	850	200	545	1090	1070	900	-	250	50		
5	D 120100035	1200	1000	350	1080	880	500	1000	850	-	1040	890	800		200	850	250	545	1090	1075	900	-	300	51		
6	D 120100040	1200	1000	400	1080	880	500	1000	850	-	1040	890	800		200	850	250	545	1090	1070	900	-	350	52		
7	D 120120030	1200	1200	300	1080	1080	500	1000	1050	525	1040	1090	-	400	150	1050	200	545	1090	1270	1100	550	250	54		
8	D 120120035	1200	1200	350	1080	1080	500	1000	1050	525	1040	1090	-	400	200	1050	250	545	1090	1280	1100	550	300	55		
9	D 120120060	1200	1200	600	1080	1080	500	1000	1050	525	1040	1090	-	440	250	1050	300	545	1090	1285	1100	550	550	58		
10	D 120135040	1200	1350	400	1080	1230	500	1000	1180	590	1040	1220	-	485	200	1220	250	545	1090	1420	1250	625	350	57		
11	D 120150030	1200	1500	300	1080	1380	500	1000	1350	675	1040	1390	-	485	150	1220	200	545	1090	1570	1400	700	250	59		
12	D 140100040	1400	1000	400	1280	880	590	1180	880	-	1220	920	800		200	850	250	645	1290	1070	900	-	350	55		
13	D 150120050	1500	1200	500	1380	1080	590	1180	1050	525	1220	1090	-	400	230	1050	280	700	1400	1280	1100	550	450	64		
14	D 150150050	1500	1500	500	1380	1380	590	1180	1350	675	1220	1390	-	485	230	1220	280	700	1400	1580	1400	700	450	79		
15	D 150210040	1500	2100	400	1380	1970	590	1180	1950	975	1220	1990	-	-	200	1850	250	700	1400	2185	2000	1000	350	130		
16	D 160100040	1600	1000	400	1480	880	680	1360	850	-	1400	890	800	-	200	850	250	745	1490	1070	900	-	350	60		
17	D 160140050	1600	1400	500	1480	1280	680	1360	1180	590	1400	1220	-	485	230	1220	280	745	1490	1485	1300	650	450	93		
18	D 160150040	1600	1500	400	1480	1380	590	1180	1350	675	1220	1390	-	485	200	1220	250	750	1500	1580	1400	700	350	78		
19	D 160165050	1600	1650	500	1480	1530	590	1180	1350	675	1220	1390	-	485	230	1220	280	750	1500	1730	1550	775	450	86		
20	D 180120040	1800	1200	400	1670	1080	800	1600	1050	525	1640	1090	-	400	200	1050	250	850	1700	1275	1100	550	350	67		
21	D 180140040	1800	1400	400	1670	1280	800	1600	1180	590	1640	1220	-	485	200	1220	250	850	1700	1485	1300	650	350	78		
22	D 180180050	1800	1800	500	1670	1670												850	1700	1890	1700	850	450	109		
23	D 200170060	2000	1700	600	1870	1570												950	1900	1780	1600	800	550	129		
24	D 200200060	2000	2000	600	1860	1860												950	1900	2090	1900	950	550	133		
25	D 200220090	2000	2200	900	1860	2060												950	1900	2290	2100	1050	850	138		
26	D 215135060	2150	1350	600	2030	1230	975	1950	1180	590	1990	1220	-	485	230	1220	280	1025	2050	1440	1250	625	550	118		

Refer page 3 for Split Mounting/Gland Plate Measurement details

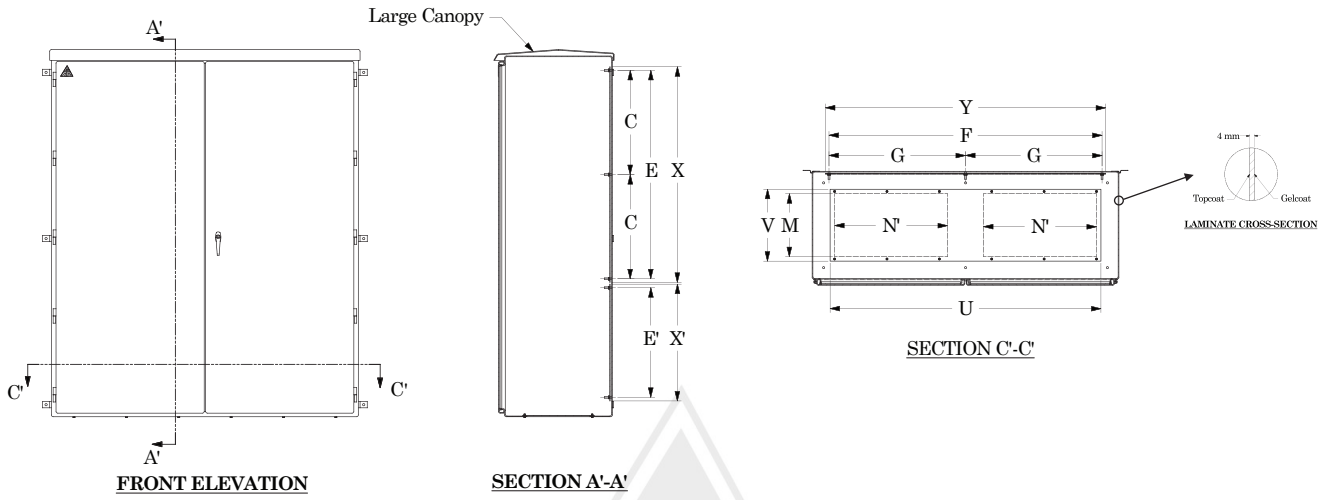
Sizes mentioned are standard sizes. Customized sizes are available, please submit your enquiry online or email us at sales@grpindustries.com

\* If mounting plates are not supplied by GRP, location of studs can vary on the basis of client requirements

\*\* Please refer drawing on page 3 for split mounting/gland plate measurements

\*\*\* All weights mentioned are excluding gland plate and mounting plate

# POLYESTER ENCLOSURE-DOUBLE DOOR



## Measurements

### Split Mounting/Gland Plate Measurement Details

All dimensions in mm

Sl No.	Product Reference	C/C of Studs					Mounting Plate Size			Gland Plate Cut Out Size		Gland Plate Size	
		C	E	E'	F	G	X	X'	Y	N'	M	U	V
1	D 180180050	590	1180	410	1620	810	1220	450	1660	575	230	1400	280
2	D 200170060	590	1180	610	1520	760	1220	650	1560	575	230	1400	280
3	D 200200060	590	1180	610	1820	910	1220	650	1860	575	230	1400	280
4	D 200220090	590	1180	610	2020	1010	1220	650	2060	575	350	1400	400

Sizes mentioned are standard sizes. Customized sizes are available, please submit your enquiry online or email us at [sales@grpindustries.com](mailto:sales@grpindustries.com)

# POLYESTER ENCLOSURE-DOUBLE DOOR

## Material Properties of Glass Reinforced Polyester

Weather Proof

Rigid Construction

Corrosion Resistant

High Impact Resistant

Suitable for outdoor use -10°C to +80°C and 100% humidity

## Mechanical Data

Titles	Values	Unit	Test Method
Tensile Strength	110 ± 25	Mpa	BS 2782:P10, Method - 1003
Flexural Strength	170 ± 25	Mpa	BS 2782:P10, Method - 1005
Impact Strength	IK8 = 5 joule impact		BSEN 62262:2002 IK8
Tensile Modulus	8000	Mpa	ISO 527-1/2-1993
Flexural Modulus	7000	Mpa	ISO 178-1993
Hardness (Barcol 934-1)	40-45		ASTMD-2583-1987
Tensile Elongation	1.8	% length	ISO 527-1/2-1993
Co-efficient of Thermal Expansion	26 x 10 <sup>-6</sup>	m/°C	
Thermal Conductivity (k)	0.2	W/mK	

## Physical Data

Titles	Values	Unit	Test Method
Water Absorption (7days)	31	mg	BS 2782, Part4: Method 430 A-83
External Finish	Plain semi gloss UV resistant		
Internal Finish	Reasonably smooth flowcoat finish		
Gel Coat Thickness	350-450	microns	
Glass Content	35 ± 5	% weight	BS 2782 P10, Method 1002
Loss on Ignition	65 ± 5	% weight	BS 2782 P10, Method 1002

## Standard Colors

RAL 7035

RAL 9010

RAL 1015

RAL 7032

RAL 3000

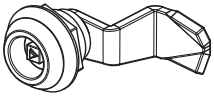
## Other Options Available

RAL 1000	RAL 1001	RAL 1002	RAL 1003	RAL 1004	RAL 1005	RAL 1006	RAL 1007	RAL 7008	RAL 7009
RAL 1011	RAL 1012	RAL 1013	RAL 1014	RAL 1015	RAL 1016	RAL 1017	RAL 1018	RAL 7021	RAL 7022
RAL 1019	RAL 1020	RAL 1021	RAL 1023	RAL 1024	RAL 1027	RAL 1028	RAL 1032	RAL 7033	RAL 7034
RAL 1033	RAL 1034	RAL 1037	RAL 2000	RAL 2001	RAL 2002	RAL 2003	RAL 2004	RAL 7042	RAL 7043
RAL 2008	RAL 2009	RAL 2010	RAL 2011	RAL 2012	RAL 3000	RAL 3001	RAL 3002	RAL 8007	RAL 8008
RAL 3003	RAL 3004	RAL 3005	RAL 3007	RAL 3009	RAL 3011	RAL 3012	RAL 3013	RAL 8019	RAL 8022
RAL 3014	RAL 3015	RAL 3016	RAL 3017	RAL 3018	RAL 3020	RAL 3022	RAL 3027	RAL 9003	RAL 9004
RAL 3031	RAL 4001	RAL 4002	RAL 4003	RAL 4004	RAL 4005	RAL 4006	RAL 4007	RAL 7003	RAL 7004
RAL 4008	RAL 4009	RAL 5000	RAL 5001	RAL 5002	RAL 5003	RAL 5004	RAL 5005	RAL 7012	RAL 7013
RAL 5007	RAL 5008	RAL 5009	RAL 5010	RAL 5011	RAL 5012	RAL 5013	RAL 5014	RAL 7026	RAL 7030
RAL 5015	RAL 5017	RAL 5018	RAL 5019	RAL 5020	RAL 5021	RAL 5022	RAL 5023	RAL 7037	RAL 7038
RAL 5024	RAL 6000	RAL 6001	RAL 6002	RAL 6003	RAL 6004	RAL 6005	RAL 6006	RAL 8001	RAL 8002
RAL 6007	RAL 6008	RAL 6009	RAL 6010	RAL 6011	RAL 6012	RAL 6013	RAL 6014	RAL 8014	RAL 8015
RAL 6015	RAL 6016	RAL 6017	RAL 6018	RAL 6019	RAL 6020	RAL 6021	RAL 6022	RAL 8025	RAL 8028
RAL 6024	RAL 6025	RAL 6026	RAL 6027	RAL 6028	RAL 6029	RAL 6032	RAL 6033	RAL 9011	RAL 9016
RAL 6034	RAL 7000	RAL 7001	RAL 7002	RAL 7003	RAL 7004	RAL 7005	RAL 7006	RAL 7031	RAL 7032
RAL 7010	RAL 7011	RAL 7044	RAL 8000	RAL 9005	RAL 9010	RAL 7031	RAL 7032	RAL 7039	RAL 7040
RAL 7023	RAL 7024	RAL 8011	RAL 8012	RAL 7005	RAL 7006	RAL 7039	RAL 7040	RAL 8003	RAL 8004
RAL 7035	RAL 7036	RAL 8023	RAL 8024	RAL 7015	RAL 7016	RAL 8003	RAL 8004	RAL 8016	RAL 8017
RAL 9017	RAL 9018	RAL 9001	RAL 9002						

# POLYESTER ENCLOSURE-DOUBLE DOOR

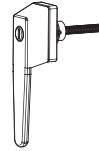
## ACCESSORIES

### Lock Options



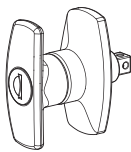
SQUARE KEY LOCK

Nickel Chrome Plated Zinc Die Cast  
Nickel Chrome Plated SS 316



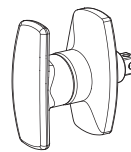
HEAVY DUTY  
HANDLE LOCK

Black Powder Coated Zinc Die Cast



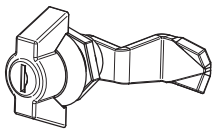
T-HANDLE LOCK WITH KEY

Polyamide with Steel Cylinder  
Nickel Chrome Plated Mild Steel  
Nickel Chrome Plated SS 316



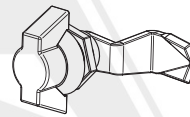
T-HANDLE LOCK  
WITHOUT KEY

Polyamide  
Nickel Chrome Plated Mild Steel  
Nickel Chrome Plated SS 316



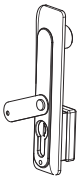
WING TYPE LOCK WITH KEY

Polyamide with Steel Cylinder



WING TYPE LOCK  
WITHOUT KEY

Polyamide



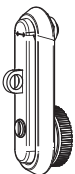
SS SWING TYPE LOCK

Polyamide with Steel Cylinder  
SS 316 with Cylinder



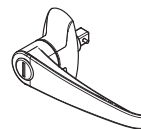
INTERNAL LOCK LATCH

SS 316  
Galvanized Iron



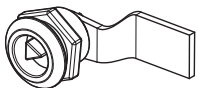
POLYAMIDE SWING TYPE LOCK

Polyamide with Steel Cylinder  
SS 316 with Cylinder



HANDLE TYPE LOCK

Nickel Chrome Plated Zinc Die Cast  
Nickel Chrome Plated SS 316



TRIANGULAR KEY LOCK

Nickel Chrome Plated Zinc Die Cast  
Nickel Chrome Plated SS 316

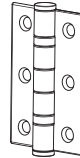
# POLYESTER ENCLOSURE-DOUBLE DOOR

## Hinges



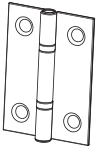
LIFT-OFF TYPE

Zinc Die Cast  
SS 316  
Chrome Plated SS 316



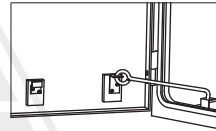
BUTT TYPE 3 INCHES

SS 316  
SS 304



BUTT TYPE 2 INCHES

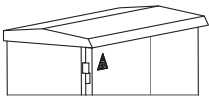
SS 316  
SS 304



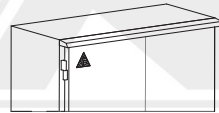
MANUAL WIND STAY

SS 316  
Galvanized Iron

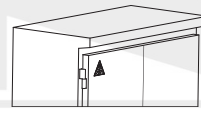
## Canopies



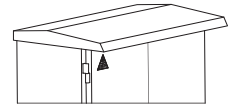
LARGE CANOPY



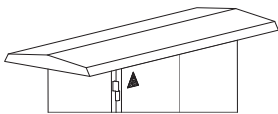
SMALL CANOPY



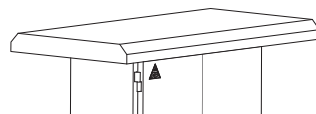
IN-BUILT CANOPY



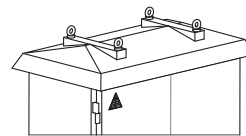
FRONT EXTENDED  
LARGE CANOPY



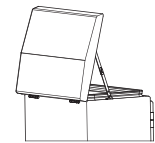
2 SIDES EXTENDED CANOPY



4 SIDES EXTENDED CANOPY

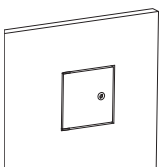


CANOPY WITH LIFTING HOOKS

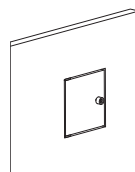


HINGED OPEN TYPE CANOPY

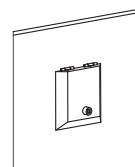
## Shutters



SHUTTER WITH SQUARE  
KEY LOCK



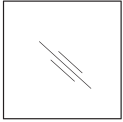
SHUTTER WITH KNOB HANDLE



FLAP SHUTTER

# POLYESTER ENCLOSURE-DOUBLE DOOR

## Glass Windows



Toughened Glass  
Polycarbonate

GLASS WINDOW



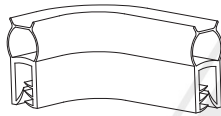
Toughened Glass  
Polycarbonate

GLASS WINDOW WITH GASKET

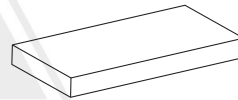
## Gaskets



V TYPE



BULB TYPE

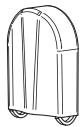


FLAT TYPE



PROFILE TYPE

## Ventilators



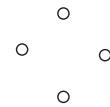
IP 43 VENTILATOR



IP 54 VENTILATOR

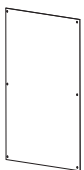


SLOTTED NATURAL VENTILATION



SMALL HOLES NATURAL VENTILATION

## Plates / Mounting Studs



MOUNTING PLATE

Galvanized Iron Epoxy Painted  
Galvanized Iron Powder Coated  
Galvanized Iron  
Stainless Steel (SS 304)  
Stainless Steel (SS 316)

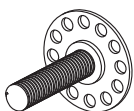
Stainless Steel (SS 316 L)  
Aluminum  
Brass  
GRP  
Marine Plywood



GLAND PLATE

Galvanized Iron Epoxy Painted  
Galvanized Iron Powder Coated  
Galvanized Iron  
Stainless Steel (SS 304)  
Stainless Steel (SS 316)

Stainless Steel (SS 316 L)  
Aluminum  
Brass  
GRP

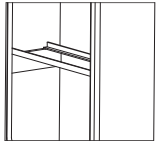


MOUNTING STUD

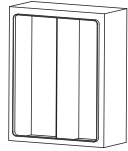
Galvanized Iron  
SS 316

# POLYESTER ENCLOSURE-DOUBLE DOOR

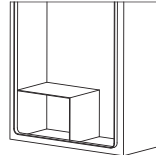
## Partitions and Chambers



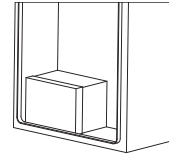
ANGLE RACK



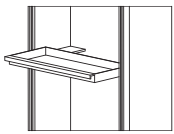
GRP PARTITION



EQUIPMENT CHAMBER

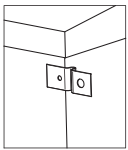


EQUIPMENT CHAMBER WITH LID



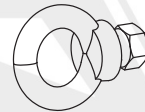
SLIDING RACK

## Fixing Arrangements



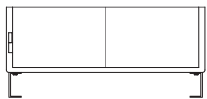
STEP TYPE WALL MOUNTING BRACKET

SS 316



LIFTING HOOK

SS 316  
Galvanized Iron



PEDESTAL TYPE 1

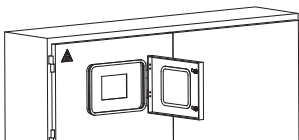
Galvanized Iron  
GRP



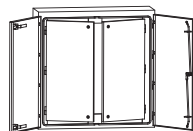
PEDESTAL TYPE 2

Galvanized Iron  
GRP

## Additional Doors



EXTERNAL HINGED DOOR

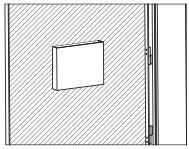


INTERNAL DOOR

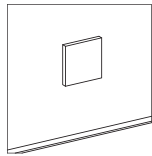


# POLYESTER ENCLOSURE-SINGLE DOOR

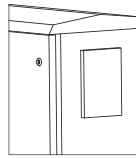
## Miscellaneous Add-ons



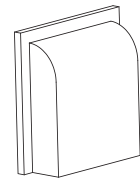
DRAWING POCKET



INTERNAL PADDING



EXTERNAL PADDING



GRP HOOD



DRAIN

SS 316



PAD LOCK

SS 316  
Aluminium

