

Pits And Accessories

Cat 02-2021-V1



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Covers And Lids To AS3996

Surface manhole covers installed in Australia must meet the requirements of the Australian Standard AS3996 (road gully and inspection chamber covers). Products designed to AS3996 are grouped depending on their place of installation.



Technical Specification

Polymer Concrete	
Compressive strength:	96MPa C-579
Flexural strength:	27MPa C-580
Tensile strength:	21Mpa C-307
Water absorption:	+0.07% C-97
Freeze-thaw:	300 cycles modulus of elasticity 95.1% C-666
Coefficient of expansion/contraction:	46.6 x 10 ⁻⁶ per °C E831
Water vapor transmission:	WVT 0.0364g/m ² - 1,592hrs
Surface burning:	Flames spread: 0 Smoke density: 5 E84
Weathering:	2000hr exposure no change G-153
Coefficient of friction (Mannings):	n=0.011
Chemical resistance	Good

Noremak Polymer Concrete Pits

Polymer concrete is versatile pit material providing longevity in a range of different conditions. Once installed, polymer concrete is extremely robust with comprehensive strength higher than traditional concrete. Polymer provides a chemically resistant solution with excellent thermal properties



Technical Specification

HDPE	
Compressive strength:	58MPa D-695
Flexural strength:	15MPa D-790
Tensile strength:	14Mpa D638
Water absorption:	+0.31% D-570
Water vapour transmission:	WVT 0.1392g/m ² - 1,592hrs E96
Coefficient of friction (Mannings):	n=0.010
Chemical resistance	Good

Noremak HDPE Electrical Pits

High Density polyethylene is a mouldable plastic which can be formed into almost any shape. Our pits use an established and trusted method to produce an effective, strong and durable pit with installation and operative solutions in mind. In addition HDPE Pits are extremely light weight.

Load Class	Class	Load	Sample Use	Wheel Loading
	A	10kN	Pedestrian applications inaccessible to motor vehicles	330kg
	B	80kN	Footpath and areas where vehicles mount accidentally or for light vehicles such as tractors or livestock	2,670kg
	C	150kN	Light vehicular traffic. Minor roads such as cul-de-sacs and parking areas	5,000kg
	D	210kN	Roads carrying fast moving, heavy vehicles	8,000kg
	E	400kN	Very heavy wheel loads as found on construction sites, mining and industrial sites	13,700kg
	F	600kN	Extra heavy wheel loads as encountered on container terminals, docks and mining areas	20,000kg
	G	900kN	Extra heavy wheel loads - airports, military traffic etc.	30,000kg

PC33 Polymer Concrete Pit Combinations

300x300 Clear Opening

	Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
	221PCP33	PC33 Polymer Concrete Pit	19	374	374	450	
	221PCPL33	PC33 Polymer Concrete Pit Locking	20	374	374	450	
	221PCR33	PC33 Polymer Concrete Riser	16.5	374	374	300	
	221PCRL33	PC33 Polymer Concrete Rise Locking	17.5	374	374	300	
	22133PCAB	PC33 Polymer Concrete Cover - Blank	5.2	340	340	32	A
	22133PCAC	PC33 polymer Concrete Cover Communications	5.2	340	340	32	A
	22133PCAE	PC33 Polymer Concrete Cover - Electrical	5.2	340	340	32	A
	22133GCB	PC33 Galvanised Steel Cover	7.5	340	340	32	B
	22133LGCB	PC33 Galvanised Steel Cover - Locking	8.3	340	340	32	B
	22133PLGCB	PC33 Galvanised Steel Cover - Padlocking	9.8	340	340	32	B
	2213030UGC	300x300 Urban Classic Steel infill Class B	16.0	410	410	80	B
	22133GCC	PC33 Galvanised Steel Cover	8	340	340	35	C
	221GC3030DS	Ductile Iron Solid Top	38.0	380	380	55	D
	221GC3030DI	Ductile Iron Infill Cover	38.0	380	380	55	D

PC63 Polymer Concrete Pit Combinations

600x300 Clear Opening

	Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
	221PCP63	PC63 Polymer Concrete Pit	50.0	660	360	735	
	221PCPL63	PC63 Polymer Concrete Pit Locking	51.0	660	360	735	
	22163PCAB	PC63 Polymer Concrete Cover - Blank	20.0	625	324	21	A
	22163PCAC	PC63 polymer Concrete Cover Communications	20.0	625	324	21	A
	22163PCAE	PC63 Polymer Concrete Cover - Electrical	20.0	625	324	21	A
	22163GCB	PC63 Galvanised Steel Cover	11.0	625	324	21	B
	22163LGCB	PC63 Galvanised Steel Cover - Locking	12.1	625	324	21	B
	22163PLGCB	PC63 Galvanised Steel Cover - Padlocking	13.5	625	324	21	B
	2216040UGC	600x400 Urban Classic Steel infill	25.0	710	510	80	B
	221GC6045DS	Ductile Iron Solid Top	73.0	810	660	105	D
	221GC6045DI	Ductile Iron Infill Cover	74.0	815	665	105	D

PC45 Polymer Concrete Pit Combinations

450x450 Clear Opening

	Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
	221PCP45	PC45 Polymer Concrete Pit	44.0	526	526	600	
	221PCPL45	PC45 Polymer Concrete Pit Locking	45.0	526	526	600	
	221PCR45	PC45 Polymer Concrete Riser	31.5	526	526	300	
	221PCRL45	PC45 Polymer Concrete Rise Locking	32.5	526	526	300	
	22145PCAB	PC45 Polymer Concrete Cover - Blank	15.8	492	492	50	A
	22145PCAC	PC45 polymer Concrete Cover Communications	15.8	492	492	50	A
	22145PCAE	PC45 Polymer Concrete Cover - Electrical	15.8	492	492	50	A
	22145GCB	PC45 Galvanised Steel Cover	16.0	592	592	50	B
	22145LGCB	PC45 Galvanised Steel Cover - Locking	17.1	492	492	50	B
	22145PLGCB	PC45 Galvanised Steel Cover - Padlocking	18.7	492	492	50	B
	2214545UGC	450x450 Urban Classic Steel infill	23.0	560	560	80	B
	22145GCC	PC45 Galvanised Steel Cover	18	592	592	55	C
	221GC4545DS	Ductile Iron Solid Top	57.0	600	600	55	D
	221GC4545DI	Ductile Iron Infill Cover	57.0	600	600	55	D

PC66 Polymer Concrete Pit Combinations

600x600 Clear Opening

	Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
	221PCP66	PC66 Polymer Concrete Pit	64.5	677	677	615	
	221PCPL66	PC66 Polymer Concrete Pit Locking	65.5	677	677	615	
	221PCR66	PC66 Polymer Concrete Riser	41.5	677	677	300	
	221PCRL66	PC66 Polymer Concrete Rise Locking	42.5	677	677	300	
	22166PCAB	PC66 Polymer Concrete Cover - Blank	24	642	642	50	A
	22166PCAC	PC66 polymer Concrete Cover Communications	24	642	642	50	A
	22166PCAE	PC66 Polymer Concrete Cover - Electrical	24	642	642	50	A
	22166GCB	PC66 Galvanised Steel Cover	25.5	642	642	50	B
	22166LGCB	PC66 Galvanised Steel Cover - Locking	26.6	642	642	50	B
	22166PLGCB	PC66 Galvanised Steel Cover - Padlocking	27.0	642	642	50	B
	2214545UGC	450x450 Urban Classic Steel infill	30.0	710	710	80	B
	22166GCC	PC66 Galvanised Steel Cover	35.0	710	710	85	C
	221GC6060DS	Ductile Iron Solid Top	79.0	810	810	105	D
	221GC6060DI	Ductile Iron Infill Cover	97.5	815	815	105	D

PC96 Polymer Concrete Pit Combinations

900x600 Clear Opening

	Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
	221PCP96	PC96 Polymer Concrete Pit	93.0	985	658	600	
	221PCPL96	PC96 Polymer Concrete Pit Locking	94.0	985	685	600	
	221PCR96	PC96 Polymer Concrete Riser	52.0	985	685	300	
	221PCRL96	PC96 Polymer Concrete Rise Locking	53.0	985	685	300	
	22196PCAB	PC96 Polymer Concrete Cover - Blank	39.2	942	642	50	A
	22196PCAC	PC96 polymer Concrete Cover Communications	39.2	942	642	50	A
	22196PCAE	PC96 Polymer Concrete Cover - Electrical	39.2	942	642	50	A
	22196GCB	PC96 Galvanised Steel Cover	39.0	942	642	50	B
	22196LGCB	PC96 Galvanised Steel Cover - Locking	40.1	942	642	50	B
	22196PLGCB	PC96 Galvanised Steel Cover - Padlocking	42.1	942	642	50	B
	2219060UGC	900x600 Urban Classic Steel infill Class B	37.0	710	710	80	B
	221GC9060DS	Ductile Iron Solid Top	111.0	1115	815	105	D
	221GC9060DI	Ductile Iron Infill Cover	111.0	1135	835	125	D

PC99 Polymer Concrete Pit Combinations

900x900 Clear Opening

	Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
	221PCP99	PC99 Polymer Concrete Pit	135.0	1006	1006	600	
	221PCPL99	PC99 Polymer Concrete Pit Locking	136.0	1006	1006	600	
	221PCR99	PC99 Polymer Concrete Riser	82.5	1006	1006	300	
	221PCRL99	PC99 Polymer Concrete Rise Locking	83.5	1006	1006	300	
	22199PCAB	PC99 Polymer Concrete Cover - Blank	84.7	944	944	65	A
	22199PCAC	PC99 polymer Concrete Cover Communications	84.7	944	944	65	A
	22199PCAE	PC99 Polymer Concrete Cover - Electrical	84.7	944	944	65	A
	22199GCB	PC99 Galvanised Steel Cover	58.0	944	944	65	B
	22199LGCB	PC99 Galvanised Steel Cover - Locking	60.6	944	944	65	B
	22199PLGCB	PC99 Galvanised Steel Cover - Padlocking	62.8	944	944	65	B
	2219090UGC	900x900 Urban Classic Steel infill	45.0	1010	1010	80	B
	22199GCC	PC99 Galvanised Steel Cover	48.0	1010	1010	90	C
	221GC9090DS	Ductile Iron Solid Top	137.0	1115	1115	105	D
	221GC9090DI	Ductile Iron Infill Cover	135.0	1135	1135	125	D

P1 HDPE Pit Combinations

420x160 Clear Opening



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P1	P1 HDPE Pit	4	515	235	400	
221P1T	P1 Cement Concrete Cover - Telstra	8	470	195	38	A
221P1B	P1 Cement Concrete Cover - Blank	8	470	195	38	A
221P1C	P1 Cement Concrete Cover Communications	8	470	195	38	A
221P1E	P1 Cement Concrete Cover - Electrical	8	470	195	38	A
221P1GC	P1 Galvanised Steel Cover	5	470	195	38	B

P2 HDPE Pit Combinations

555x185 Clear Opening



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P2	P2 HDPE Pit	6.0	660	285	570	
221P2B	P2 Cement Concrete Cover - Blank	17.0	608	242	38	A
221P2C	P2 Cement Concrete Cover Communications	17.0	608	242	38	A
221P2PB	P2 Composite Blank	12	608	242	38	B
221P2E	P2 Cement Concrete Cover - Electrical	17.0	608	242	38	A
221P2T	P2 Cement Concrete Cover - Telstra	17.0	608	242	38	A
221P2NBN	P2 Cement Concrete Cover - NBN					
221P2GC	P2 Galvanised Steel Cover	7.0	608	242	38	B

P3 HDPE Pit Combinations

676x243 Clear Opening



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P3	P3 HDPE Pit	4	771	345	520	
221P3B	P3 Cement Concrete Cover - Blank	17.0	730	298	50	A
221P3C	P3 Cement Concrete Cover Communications	17.0	730	298	50	A
221P3E	P3 Cement Concrete Cover - Electrical	17.0	730	298	50	A
221P3T	P3 Cement Concrete Cover - Telstra	17.0	730	298	50	A
221P3GC	P3 Galvanised Steel Cover	8.7	730	298	50	B

PJ3 HDPE Pit Combinations

440x250 Clear Opening



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221PJ3	PJ3 HDPE Pit	9.0	575	350	520	
221PJ3L	PJ3 HDPE Pit Locking	9.0	575	350	520	
221PJ3B	PJ3 Cement Concrete Cover - Blank	26.0	495	270	50	A
221PJ3C	PJ3 Cement Concrete Cover - Comms	26.0	495	270	50	A
221PJ3E	PJ3 Cement Concrete Cover - Electrical	26.0	495	270	50	A
221PJ3GC	PJ3 Galvanised Steel Cover	13.2	495	270	50	B
221PJ3GCL	PJ3 Galvanised Steel Cover-Locking	14.2	495	270	50	B
221PJ3GC PL	PJ3 Galvanised Steel Cover-Padlocking	16.2	495	270	50	B

P4 HDPE Pit Combinations

595x295 Clear Opening



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P4	P4 HDPE Pit	8.0	700	400	810	
221P4L	P4 HDPE Pit Locking	9.0	700	400	810	
221P4R	P4 HDPE Riser	4.0	700	400	235	
221P4RL	P4 HDPE Riser Locking	5.0	700	400	235	
221P4B	P4 Cement Concrete Cover - Blank	27.0	650	345	50	A
221P4C	P4 Cement Concrete Cover - Communications	27.0	650	345	50	A
221P4E	P4 Cement Concrete Cover - Electrical	27.0	650	345	50	A
221P4MRC	P4 Cement Concrete Cover Main Road - Communications	27.0	650	345	50	A
221P4MRE	P4 Cement Concrete Cover Main Road - Electrical	27	650	345	50	A
221P4GC	P4 Galvanised Steel Cover	15.5	650	245	50	B
221P4GCL	P4 Galvanised Steel Cover-Locking	16.6	650	345	50	B
221P4GCPL	P4 Galvanised Steel Cover-Padlocking	17.9	650	345	50	B

P5 HDPE Pit Combinations

595x335 Clear Opening



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P5	P5 HDPE Pit	8.5	705	455	635	
221P5L	P5 HDPE Pit Locking	9.5	705	455	635	
221P5D	P5 HDPE Extra Deep-800	15.0	705	455	800	
221P5DL	P5 HDPE Extra Deep -800 Locking	15.0	705	455	800	
221P5S	P5 HDPE Split Pit	9.0	713	455	630	
221P5R	P5 HDPE Riser	5.0	705	455	235	
221P5RL	P5 HDPE Riser Locking	6.0	705	455	235	
221P5B	P5 Cement Concrete Cover - Blank	30.0	650	395	50	A
221P5C	P5 Cement Concrete Cover - Communications	30.0	650	395	50	A
221P5NBN	P5 Cement Concrete Cover - NBN					
221P5E	P5 Cement Concrete Cover - Electrical	30.0	650	395	50	A
221P5TB*	P5 Composite Cover - Telstra	20.0	650	395	50	B
221P5PB*	P5 Composite Cover - Blank	20.0	650	395	50	B
221P5GC	P5 Galvanised Steel Cover	17.0	650	395	50	B
221P5GCL	P5 Galvanised Steel Cover-Locking	18.1	650	395	50	B
221P5GCPL	P5 Galvanised Steel Cover-Padlocking	19.9	650	395	50	B
2216040UGC	P5 Urban Classic Steel infill Cover 600x400	25.0	710	510	80	B

*Available in Different colours Contact Noremak for details

See our Full Range of Composite Covers
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P6 HDPE Pit Combinations

1260x435 Clear Opening

2 Part
Lids available as Kits or
as components



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P6	P6 HDPE Pit	35.0	1365	550	670	
221P68R	P6 HDPE Riser	15.0	1395	580	280	
221P68RL	P6 HDPE Riser Locking	16.0	1395	580	282	
221P68B	P6 Cement Concrete Cover - Blank	81.0	655x2	500x2	50	A
221P68C	P6 Cement Concrete Cover - Comms	81.0	655x2	500x2	50	A
221P68E	P6 Cement Concrete Cover - Electrical	81.0	655x2	500x2	50	A
221P68NBN	P6 Cement Concrete Cover - NBN	81.0	655x2	500x2	50	A
221P68TB	P6 Composite Cover - Telstra	55.0	655x2	500x2	50	B
221P68BBGY	P6 Composite Cover - Blank Grey	55.0	655x2	500x2	50	B
221P68BBBK	P6 Composite Cover - Blank Black	55.0	655x2	500x2	50	B
221P68GC	P6 Galvanised Steel Cover	43.0	1310	500	50	B
221P68GCL	P6 Galvanised Steel Cover-Locking	44.7	1310	500	50	B
221P68GCPL	P6 Galvanised Steel Cover-Padlocking	46.0	1310	500	50	B
2211345UGC	Urban Classic Steel infill Cover 1320x450	36.0		560	80	B

Lids are in 2 Part Construction
T Bar Required
221TBAR

P7 HDPE Pit Combinations

885x425 Clear Opening



Lids are in 2 Part Construction and Require T Bar 221TBAR

Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P7	P7 HDPE Pit	33.0	1030	570	1130	
221P7L	P7 HDPE Pit Locking	34.0	1030	570	1130	
221P7R	P7 HDPE Riser	13.0	1030	570	280	
221P7RL	P7 HDPE Riser Locking	14.0	1030	570	280	
221P7B	P7 Cement Concrete Cover - Blank	63.0	960	495	50	A
221P7C	P7 Cement Concrete Cover - Communications	63.0	960	495	50	A
221P7E	P7 Cement Concrete Cover - Electrical	63.0	960	495	50	A
221P7GC	P7 Galvanised Steel Cover	28.5	960	500	50	B
221P7GCL	P7 Galvanised Steel Cover-Locking	29.6	960	500	50	B
221P7GCPL	P7 Galvanised Steel Cover-Padlocking	31.1	960	500	50	B

P9 HDPE Pit Combinations

1900x450 Clear Opening

3 Part Lids available as Kits or as components



Lids are in 2 Part Construction and Require T Bar 221TBAR

Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P9	P9 HDPE Pit	90.0	2040	585	900	
221P9B	P9 Cement Concrete Cover - Blank	124.0	655x3	500x3	50	A
221P9C	P9 Cement Concrete Cover - Communications	124.0	655x3	500x3	50	A
221P9E	P9 Cement Concrete Cover - Electrical	124.0	655x3	500x3	50	A
221P9NBN	P9 Cement Concrete Cover - NBN	124.0	655x3	500x3	50	A
221P68TBGY	P68 Composite Cover - Telstra Grey	25.0x3	655x3	500x3	50	B
221P68PBGY	P68 Composite Cover - Blank Grey	25.0x3	655x3	500x3	50	B
221P68CBGY	P68 Composite Cover - Comms Grey	25.0x3	655x3	500x3	50	B
221P68EBGY	P68 Composite Cover - Electrical Grey	25.0x3	655x3	500x3	50	B
221P9GC	P9 Galvanised Steel Cover	68.0	2040	500	50	B
2211945UGC	P9 Urban Classic Steel infill Cover	26.0	2010	500	80	B

P8 HDPE Pit Combinations

1260x435 Clear Opening



Lids are in 2 Part Construction and Require T Bar 221TBAR

Lids are in 2 Part Construction and Require T Bar 221TBAR

Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P8	P8 HDPE Pit	43.0	1365	545	895	
221P68R	P68 HDPE Riser	15.0	1395	580	280	
221P68RL	P68 HDPE Riser Locking	16.0	1395	580	280	
221P68B	P68 Cement Concrete Cover - Blank	81.0	655x2	500x2	50	A
221P68C	P68 Cement Concrete Cover - Communications	81.0	655x2	500x2	50	A
221P68E	P68 Cement Concrete Cover Electrical	81.0	655x2	500x2	50	A
221P68NBN	P68 Cement Concrete Cover - NBN	81.0	655x2	500x2	50	A
221P68TBGY	P68 Composite Cover - Telstra Grey	25.0x2	655x2	500x2	50	B
221P68PBGY	P68 Composite Cover - Blank Grey	25.0x2	655x2	500x2	50	B
221P68CBGY	P68 Composite Cover - Comms Grey	25.0x2	655x2	500x2	50	B
221P68EBGY	P68 Composite Cover - Electrical Grey	25.0x2	655x2	500x2	50	B
221P68PBBK	P68 Composite Cover - Blank Black	25.0x2	655x2	500x2	50	B
221P68EBBK	P68 Composite Cover - Electrical Black	25.0x2	655x2	500x2	50	B
221P68CBBK	P68 Composite Cover - Comms Black	25.0x2	655x2	500x2	50	B
221P68GC	P68 Galvanised Steel Cover	43.0	1310	500	50	B
221P68GCL	P68 Galvanised Steel Cover-Locking	44.7	1310	500	50	B
221P68GCPL	P68 Galvanised Steel Cover-Padlocking	46.0	1310	500	50	B
2211345UGC	Urban Classic Steel infill Cover 1320x450	36.0	1430	560	80	B

P55 HDPE Pit Combinations

450x450 Clear Opening



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P55	P55 HDPE Pit	5.6	560	560	505	
221P55L	P55 HDPE Pit Lockin	6.2	560	560	505	
221P55R	P55 HDPE Riser	5.0	560	560	300	
221P55RL	P55 HDPE Riser Locking	6.0	560	560	300	
221P55B	P55 Polymer Concrete Cover - Blank	17.0	545	545	50	A
221P55C	P55 Polymer Concrete Cover - Communications	17.0	545	545	50	A
21P55E	P55 Polymer Concrete Cover-Electrical	17.0	545	545	50	A
221P55GC	P55 Galvanised Steel Cover	19.4	545	545	50	B
221P55GCL	P55 Galvanised Steel Cover-Locking	20.5	545	545	50	B
221P55GCPL	P55 Galvanised Steel Cover-Padlocking	22.4	545	545	50	B
2214545UGC	P55 Urban Classic Steel infill Cover 450X450	23.0	545	545	80	B

P77 HDPE Pit Combinations

600x600 Clear Opening

Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P77	P77 HDPE Pit	8.9	700	700	655	
221P77L	P77 HDPE Pit Locking	9.5	700	700	655	
221P77R	P77 HDPE Riser	9.0	700	700	300	
221P77RL	P77 HDPE Riser Locking	10.0	700	700	300	
221P77B	P77 Polymer Concrete Cover - Blank	27.0	695	695	50	A
221P77C	P77 Polymer Concrete Cover Communications	27.0	695	695	50	A
221P77E	P77 Polymer Concrete Cover Electrical	27.0	695	695	50	A
221P77PBGY	P77 Composite Cover - Blank Grey	37.0	695	695	50	B
221P77CBGY	P77 Composite Cover - Comms Grey	37.0	695	695	50	B
221P77EBGY	P77 Composite Cover - Electrical Grey	37.0	695	695	50	B
221P77PBBK	P77 Composite Cover - Blank Black	37.0	695	695	50	B
221P77EBBK	P77 Composite Cover - Electrical Black	37.0	695	695	50	B
221P77CBBK	P77 Composite Cover - Comms Black	37.0	695	695	50	B
221P77GC	P77 Galvanised Steel Cover	29.5	695	695	50	B
221P77GCL	P77 Galvanised Steel Cover-Locking	30.6	695	695	50	B
221P77GCPL	P77 Galvanised Steel Cover-Padlocking	32.8	695	695	50	B
221P77UGC	P77 Urban Classic Steel infill Cover 600x600	30.0	710	710	80	B
221P77UGCA	P77 Urban Classic Steel infill Cover 750x750	37.0	860	860	80	B

P1000 HDPE Pit Combinations

1000x1000 Clear Opening

Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)	Cover Class
221P1000	P1000 HDPE Pit	35.0	1120	1120	840	
221P1000L	P1000 HDPE Pit Locking	36.0	1120	1120	840	
221P1000R	P1000 HDPE Riser	14.0	1120	1120	460	
221P1000RL	P1000 HDPE Riser Locking	15.0	1120	1120	460	
221P1000GC	P1000 Galvanised Steel Cover	74.0	1120	1120	50	B
221P1000GCL	P1000 Galvanised Steel Cover-Locking	78.3	1120	1120	50	B
221P1000GCPL	P1000 Galvanised Steel Cover Padlocking	79.3	1120	1120	50	B
221P1000GCR	P1000 Galv Steel Cover Suit Riser	74.0	1120	1120	50	B
221P1000GCRL	P1000 Galv Steel Cover/Riser Locking	78.3	1120	1120	50	B
221P1000GCRP	P1000 Galv Stell Cover/Riser Padlocking	79.3	1120	1120	50	B
221P1000UGC	P1000 Urban Classic Steel Infill Cover 1000x1000 1 Part	50.0	1110	1110	80	B

P1 HDPE Pit Combinations

Gaskets



Part No	Description
2211GASK	Gasket Suitable For P1 Pits
2212GASK	Gasket Suitable For P2 Pits
2213GASK	Gasket Suitable For P3 Pits
2214GASK	Gasket Suitable For P4 Pits
2215GASK	Gasket Suitable For P5 Pits
22168GASK	Gasket Suitable For P6, P8, P9 Pits

PEP Earth Rod Pit

175x175 Clear Opening



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)
221PEP-A	Polymer Concrete Earth Rod Pit C/W Aluminium Lid	4	200	200	150

Polypropylene Earth Rod Pit High Impact Locking Lid



Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)
223PIT03	Inspection Housing, High-Impact Polypropylene	1.27	241	215	216

General Accessories

Part No	Description	Part No	Description
221AK1	Allen Key Suit Galv / Solid Covers	221BRAM	Brass Plate "Mains"
221LK	Lifting Key Light P1-P9 Concrete Lids	221BRASEC	Brass Plate "Security"
221ISTLK	Lift Key Suit Solid/Infill Covers	221BRAIRR	Brass Plate "Irrigation"
221ISTLK-H	Lift Key Suit Solid/Infill Covers-Ling Handle	221BRAHV	Brass Plate "High Voltage"
221BRAELEC	Brass Plate "Electricity"	221BRASGNL	Brass Plate "Signals"
221BRACOMM	Brass Plate "Communications"	221BRAG	Brass Plate "Gas"
221BRAT	Brass Plate "Telstra"	221KIT	Locking Pit Bracket Kit
221BRAE	Brass Plate "Earth"		
221PLUG	Platic Plug Suit Concrete and Galv Lids		

Full Range Of Barrie Bolts Also Available



Lifting Key Infill/Solid Top



Long Handle Infill/ Solid Top Lifter



Allen Key



Lifting Key Light

Structurally Certified Pit And Cover System

Made of advance construction materials our EZY Stack range access chamber system is at the forefront of developments in general chamber market. The system is designed to provide the installer with quick and efficient chamber installed in fraction of time normally associated with traditional chamber systems

Lightweight, easily transportable



Reduced waste and inefficiency

Waste and inefficiency has plagued Infrastructure Construction around the globe. Noremak's products are engineered to enable the latest methodologies that improve the speed and efficiency of Network Infrastructure Construction, enhance productivity, improve Build Quality, reduce costs and provide both Operators and Contractors a better return on their investment.

Ideal for use in Telecommunications, Power, Water, Rail and Gas Distribution.

Noremak targets reduction of the other 70% to 75% associated with costs of construction Equipment, project and construction management, logistics, safety, traffic management, storage, heavy transport and labour.



Benefits of EZYstack™

Occupation Health and Safety (OH&S)

As industry becomes more focused on OH&S EZYstack™ provides a system of components weighing less than 25kgs, the EZYstack™ Access Chamber system can be carried, handled and installed by hand without the need for any additional lifting equipment.

95% Lighter Than Concrete

The EZYstack™ system is about 5% the weight of traditional concrete chambers, it not only improves safety on site but saves a huge amount of fuel and energy required to transport the product nationally.

Cut Delays

When compared with concrete, which takes 30 days to cure, we produce comparable sizes at our warehouses in **less than an hour**; this means we have a greater capacity to fulfil projects where time and availability is a factor.

Strong

The structural twin wall design of the EZYstack™, means it is capable of supporting vertical load without the need for a concrete surround.

Loads Comparable with Concrete

The interlocking sections also provide a great degree of strength to each other when they are built up. This is further enhanced through the **clever design of offset component joints providing a brickwork style of finish**. The resulting chamber is much stronger than the sum of its parts, which in turn provides for **lateral side loads being achieved that are comparable with concrete**.

Installation time of EZY stack™ products

Pit Installation In Less Than 30 Min



Excavate the hole



Compact The Base



Stack Levels In Hole



Stack To Ground Level



Backfill And Compact



Install Covers And Frames

EZYstack Saturn

EZYstack™ Saturn has been designed to create a wide range of chamber sizes to suit infrastructure pit requirements. The system has been subject to finite element analysis studies coupled with physical testing to produce a chamber with excellent vertical load capabilities. EZYstack™ SATURN is mostly utilised for footway installations and can also be installed in trafficable areas.

PRODUCT FEATURES

- Manufactured in 150mm high sections
- Available in various sizes to cover traditional pits to a maximum of 1200cm x 1200cm
- Wide range of components to manufacture any size chamber or pit
- Components stack vertically on each other to achieve any depth required
- Manufactured to ensure stability and rigidity
- All components weigh less than 25kg
- Available in two corner sizes, 75mm, 150mm to ensure layers are offset and increase the flexibility of the range
- Flat pack component design with smooth, rib free internal walls
- Covers and accessories available



Direct Loading Capacities To 40 Tonne*

- *Light Weight
- *Comparable Strength To Polyconcrete
- *Single Person Installation
- *No Lifting Equipment Required On Site
- *Fully Adaptable in Height and Size
- *No Risers Required

*Dependant On Installation Methods

EZYstack Jupiter

EZYstack™ JUPITER is also available in a number of component parts which when assembled enables a wide range of chamber sizes to be created. EZYstack™ Jupiter provides a much more rigid sidewall in large chambers as well as good thermal stability in extreme temperatures. EZYstack™ JUPITER is ideal for roadway installations or any application where a strong reliable chamber is required. **The perfect alternative to formed or pre cast manhole chambers!**

PRODUCT FEATURES

- Manufactured in 150mm high sections
- Wide range of components to manufacture any size chamber or pit, subject to installation instructions
- Components stack vertically on each other to achieve any depth required
- Manufactured to ensure stability and rigidity
- All components weigh less than 25kg
- Maximum of 60 tonne loading is achievable
- Does not require concrete support in most applications
- Covers and accessories available
- Flat pack component design with smooth, rib free internal walls
- Available in a fire retardant material (UL94 5VA)



Direct Loading Capacities To 60 Tonne*

- *Light Weight
- *Comparable Strength To Polyconcrete/Concrete
- *Single Person Installation
- *No Lifting Equipment Required On Site
- *Fully Adaptable in Height and Size
- *No Risers Required
- *Large sizes e.g 6000x6000x2000 Ideal for HV Vaults. No special tools required

*Dependant On Installation Methods

P5 Composite Covers Class B

	Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)
	221P5BBGY	P5 Composite Cover - Blank Grey	20.0	650	395	50
	221P5EBGY	P5 Composite Cover - Electrical Grey	20.0	650	395	50
	221P5CBGY	P5 Composite Cover - Communications Grey	20.0	650	395	50
	221P5TB	P5 Composite Cover - Telstra Grey	20.0	650	395	50
	221P5BBBK	P5 Composite Cover - Blank Black	20.0	650	395	50
	221P5EBBK	P5 Composite Cover - Electrical Black	20.0	650	395	50
	221P2CBBK	P5 Composite Cover - Communications Black	20.0	650	395	50

P77 Composite Covers Class B

	Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)
	221P77BBGY	P77 Composite Cover - Blank Grey	37.0	694	694	50
	221P77EBGY	P77 Composite Cover - Electrical Grey	37.0	694	694	50
	221P77CBGY	P77 Composite Cover - Communications Grey	37.0	694	694	50
	221P77BBBK	P77 Composite Cover - Blank Black	37.0	694	694	50
	221P77EBBK	P77 Composite Cover - Electrical Black	37.0	694	694	50
	221P77CBBK	P77 Composite Cover - Communications Black	37.0	694	694	50

P6-P8 Combination Composite Covers Class B

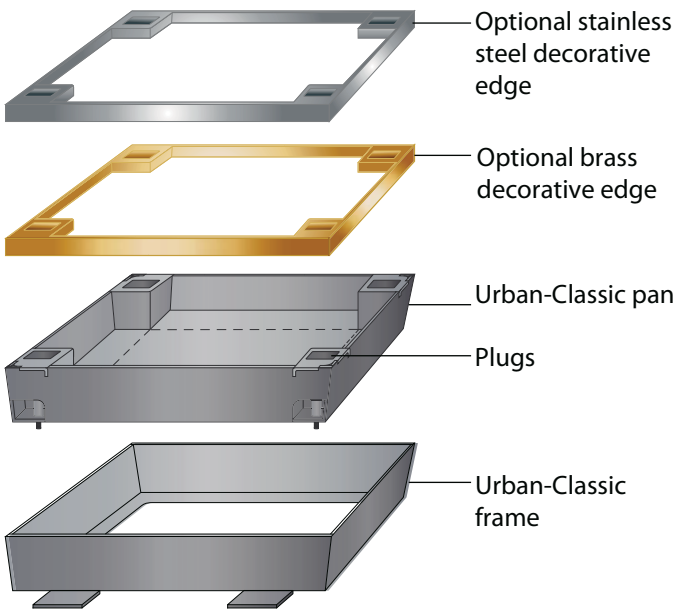
	Part No	Description	Weight (Kg)	Length (mm)	Width (mm)	Depth (mm)
	221P68BBGY	P68 Composite Cover - Blank Grey	25.0	647	496	50
	221P68EBGY	P68 Composite Cover - Electrical Grey	25.0	647	496	50
	221P68CBGY	P68 Composite Cover - Communications Grey	25.0	647	496	50
	221P68TBGY	P5 Composite Cover - Telstra Grey	25.0	647	496	50
	221P68BBBK	P68 Composite Cover - Blank Black	25.0	647	496	50
	221P68EBBK	P68 Composite Cover - Electrical Black	25.0	647	496	50
	221P68CBBK	P68 Composite Cover - Communications Black	25.0	647	496	50



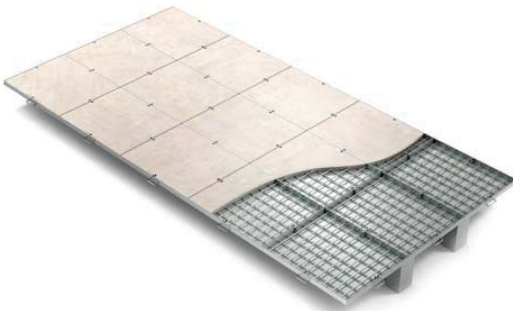
Noremak Urban-Classic is a general purpose and versatile recessed access cover systems designed to be used with a variety of “infill” surface finishes for a wide range of project applications. The product provides quick and safe access to underground electrical, communication, utility infrastructure chambers and ducts. All components are laser cut and assembled on a mechanised production line to ensure precise tolerances and a high quality finish.

The range can be used in virtually any situation where access to services and visual appearance are of paramount importance such as shopping centres, airports, railway stations, civic buildings and all application where aesthetics are a primary consideration.

Decorative Edging Available



Urban Classic Infill



All covers are designed to meet the specified test loadings when filled to the surface of the cover with concrete or other floor finishes such as tiles and pavers.

- Covers and frames are made from galvanised steel
- The design of the covers is such that when fitted a minimal amount of metal is visible on the exposed surface
- Covers are fitted with locking bolts for security purposes
- The deep pan accomodates concrete bedding, allowing the quick and easy installation of pavers and reducing the need for excess cutting
- Decorative edging is available on request in both brass and stainless steel
- Covers are produced and conform to the Australian standard of AS3996
- To meet load requirements covers should be filled with concrete (specification C45/55)
- Surface finish material should be no greater than 20mm depth

Covers And Frames

URBAN CLASSIC INFILL

- Covers and frames are made from galvanised steel and are designed to meet the requirements of areas requiring high aesthetic finishes
- A minimal amount of metal is visible on the exposed surface and covers are fitted with locking bolts for security purposes
- The deep pan accomodates concrete bedding, allowing the quick and easy installation of pavers and reducing the need for cutting pavers
- Option of stainless steel or brass decorative edging available on request



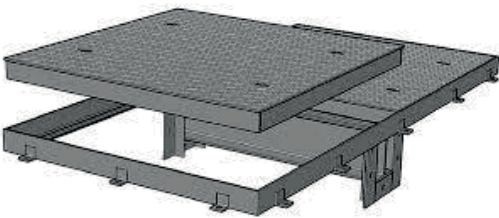
URBAN TRAFFIC INFILL

- Designed for use in trafficable areas but with all the features to ensure the final product blends with the intended aesthetic
- The deep pan accomodates concrete bedding, allowing the quick and easy installation of pavers and reducing the need for cutting pavers
- Option of stainless steel or brass decorative edging available on request



GALVANISED STEEL

- Galvanised steel covers to fit any size of chamber
- Widely used in water treatment and pumping station chamber locations and general construction
- 21 tonnes (D 210kN), 15 tonnes (C 150kN), 8 tonnes (B 80kN) and 1 tonne (A 10kN) loadings available
- High security, unauthorised entry prevention options
- Hot dip galvanised to AS1650/1980 & En1461 standard and/or aesthetic powder coated



Solid To Suit EZYstack Range

- D Class Load Ratings suitable for installation in C Class enviroments
- Direct loading on pit, No concrete surrounds or surface support required
- Can be installed as soon as pit installation completed and prior to ground works.
- Full hot dip galvanising available in standard and lockable versions



DUCTILE IRON SOLID TOP

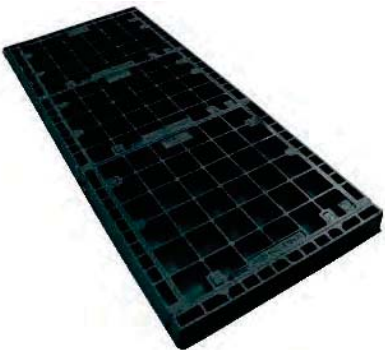
- More durable, reliable and flexible than other materials
- High impact resistance
- Available in a range of sizes from 300mm-1000mm (for single parts)
- Available in circular, rectangular and square configurations
- Use in infrastructure projects, stormwater and sewer covers.
- Also available in multi-part sizes

Ductile Iron Range - Solid Tops			
Class			
B/D/G	1	221GC4545*S	450 x 450 Ductile Solid
	2	221GC6045*S	600 x 450 Ductile Solid
	3	221GC6060*S	600 x 600 Ductile Solid
	4	221GC9060*S	900 x 600 Ductile Solid
	5	221GC9090*S	900 x 900 Ductile Solid
	6	221GC90120*S	900 x 1200 Ductile Solid
	7	221GC120120*S	1200 x 1200 Ductile Solid

Replace * With Class (B/D/G)

DUCTILE IRON INFILL

- Designed to match the surrounding environment
- Used in various applications such as carparks, landscape areas, airports and train stations.
- Superior strength to weight ratio compared to cast iron
- Available with brass and stainless steel edging for decorative purposes
- Also available in multi-part sizes



Ductile Iron Range - Solid Tops			
Class			
B/D/G	1	221GC3030*I	300 x 300 Ductile Infill
	2	221GC4545*I	450 x 450 Ductile Infill
	3	221GC6045*I	600 x 450 Ductile Infill
	4	221GC6060*I	600 x 600 Ductile Infill
	5	221GC9060*I	900 x 600 Ductile Infill
	6	221GC9090*I	900 x 900 Ductile Infill
	7	221GC90120*I	900 x 1200 Ductile Infill

Replace * With Class (B/D/G)



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