Cadia

Expertise in plumbing equipment, tools, materials and safety supplies

PRODUCT CATALOGUE
EDITION 21

Jaybro
CONSIDER IT DONE.

Cadia

PRODUCT CATALOGUE
EDITION 21

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We have got you covered!

Welcome to Cadia,

Since our business was established in 1993, we have grown and expanded our footprint around the country, developing an excellent reputation for the supply of quality products and the expertise of our team.

We are excited to join the Jaybro Group, and we believe that with an increased number of warehouses around the country, and more stock readily available, we will be able to provide faster deliveries to many customers, and an even better level of service to you.

Our innovative product range is designed to satisfy Australia's water management needs, and we continually strive to research, test and develop new and innovative products as part of our commitment to be the market leader.

Testament to our commitment to Quality and the Environment, we are proud to promote our Third Party Certified ISO9001 and ISO14001 accreditation. In 2020 Cadia also successfully transitioned to the new WHS system, and successfully transitioned to ISO45001. Additionally, our extensive history working with local government has established strong ties reflected in our participation in the NSW LGP Programme, and the QLD Local Buy Programme.

We look forward to the opportunity to impress you with our high quality products and superior service, as we build up life-long, personal relationships with our valued customers around the country.

Warm regards,



Roy White
Managing Director

CADIA GROUP
ABN 36 165 578 156

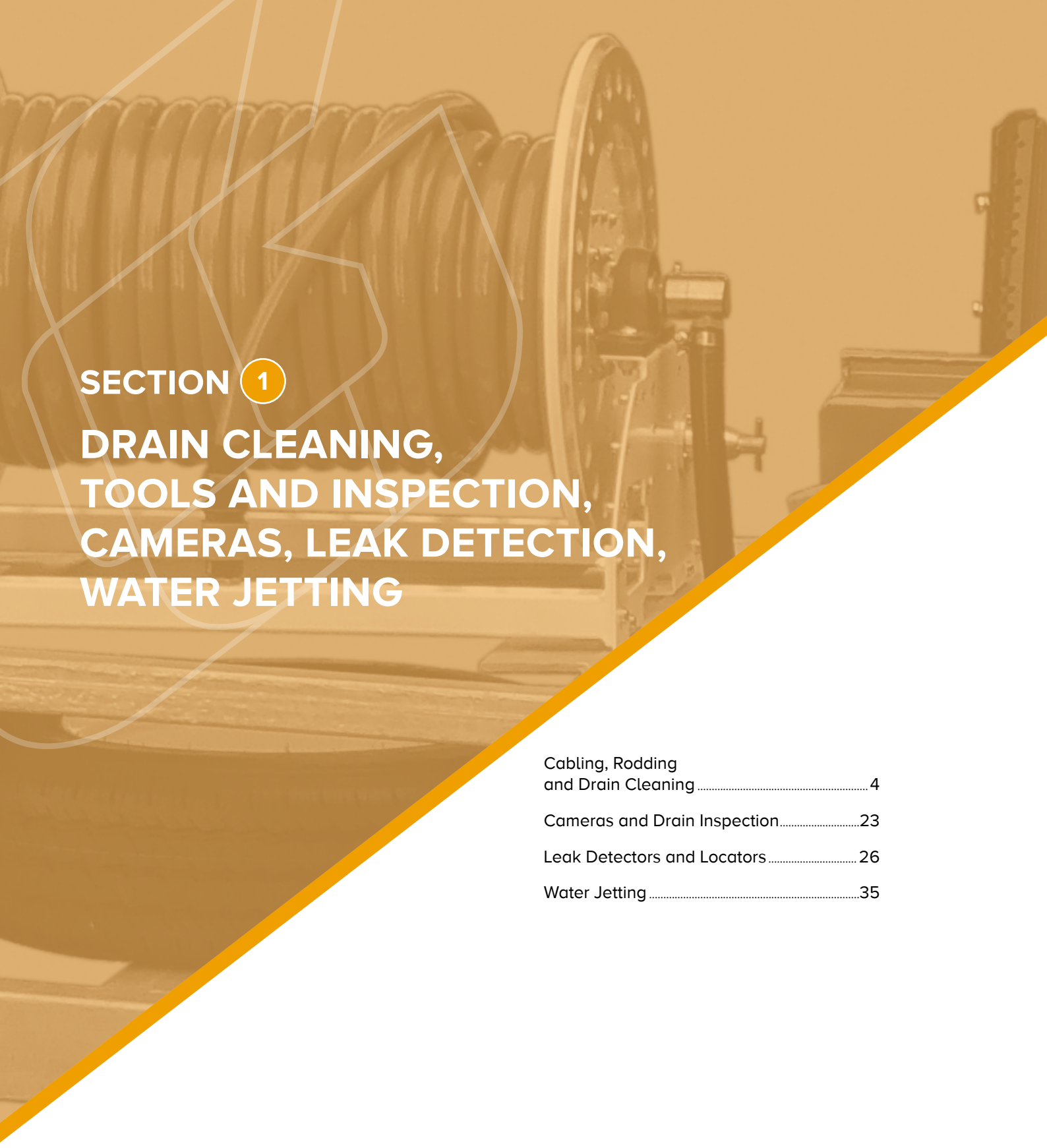
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localbuy
LB2283 Water & Sewerage Approved Contractor

Certified System Quality ISO 9001 SAI GLOBAL
Certified System Environment ISO 14001 SAI GLOBAL
Certified System OHS ISO 45001 SAI GLOBAL

Local Government PROCUREMENT
APPROVED CONTRACTOR



SECTION 1

DRAIN CLEANING, TOOLS AND INSPECTION, CAMERAS, LEAK DETECTION, WATER JETTING

Cabling, Rodding and Drain Cleaning 4

Cameras and Drain Inspection 23

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CABLING, RODDING AND DRAIN CLEANING

DRAIN CLEANING - RAK41 SYSTEM

- Lightweight alloy frame for maximum strength
- Heavy duty 1 hp 240 V motor
- Continuous drive shaft prevents dirt intrusion
- Runs cable sizes 32/22/12*/6* mm (* = optional)
- Lightweight, easy to carry and position
- Compact and tidy
- Easy to operate and service
- Replaceable fibreglass side covers

Kit Includes

- RAK 41 Machine
- 5 x cables (32 mm x 4.5 m)
- Cable carrier
- Guide hose
- Left hand glove
- Straight auger
- Funnel auger
- Spade cutter (65 mm)
- 2 way root cutter (90 mm)
- Sharktooth cutter (65 mm)
- Retrieving auger
- Coupling key

PART No.	Includes
55268	Machine only
54966	Machine & Kit





RAK41 TOOLS

Augers

Size (mm)	Part No.		
			
	Straight	**Funnel**	**Retrieving**
22	**55359**	**56312**	**56310**
32	**55394**	**55261**	**56311**

Cutters

Size (mm)	Part No.		
			
	Spade	**2-Way Root**	**Sharktooth**
55	**55000**	-	-
65	**55001**	**55263**	**54898**
90	-	**55264**	**54899**

Replacement Blades

Size (mm)	Part No.
65	**54901**
90	**54900**



Gloves

Style	Part No.
Left Hand	**54897**
Right Hand	**54896**



Coupling Key

Part No.	55262



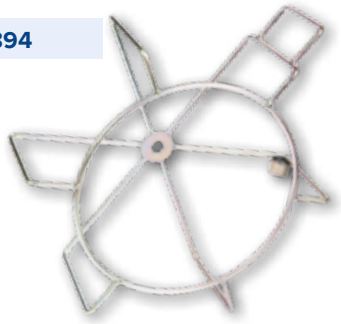
Cables 32 mm x 4.5 m



Size (mm)	Part No.
Standard	**54893**
Inner Core	**54895**

Cable Carrier

Part No.	54894



Guide Hose



Part No.	56308

Guide Hose Brackets

Type	Part No.
Part A	**56802**
Part B	**56803**
Complete	**55075**

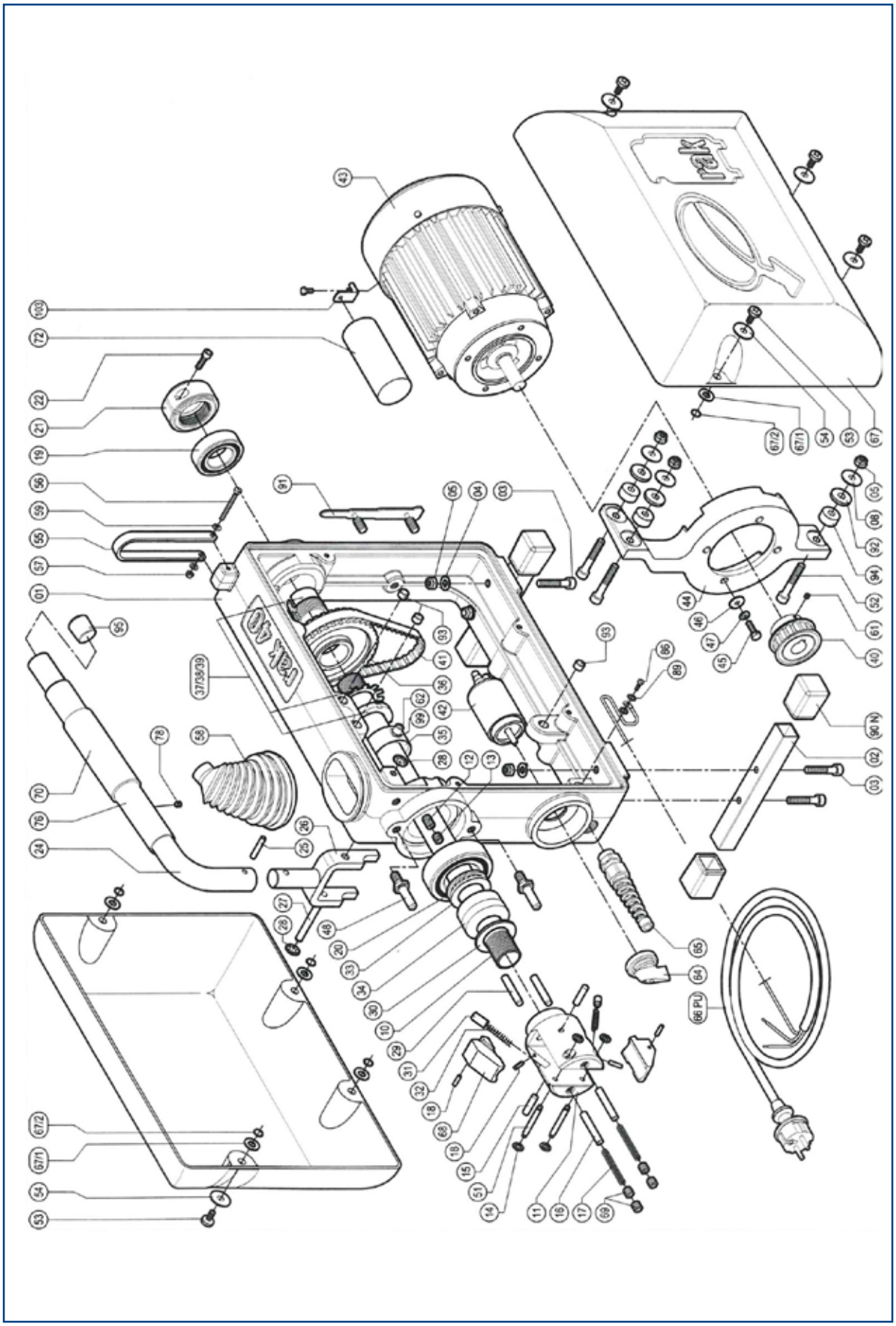


Jaw Set

Part No.	54948



DRAIN CLEANING - RAK41 DIAGRAM



DRAIN CLEANING - RAK41 PARTS LIST

No.	DESCRIPTION	Part No.
1	Frame	55395
2	Footing	19000
3	Screw	19001
4	Spring Washer	19002
5	Nut	19003
6	Rubber Foot Pads	55396
7	Bolt	55397
8	Washer	19004
9	Nut	19005
10	Main Drive Shaft	55398 55399
11	Jaw Carrier System	56301
12	Screw	56302
13	Screw	56303
15	Pin	56304
16	Spring Pin	56305
17	Spring	56306
18	Pin	56307
19	Bearing	55360
20	Bearing	55361
21	Ring Nut	55362
22	Screw	19007
24	Lever Arm	55363
25	Pin	55364
26	Lever Arm Fork	55365
27	Lever Arm Axle	55366
28	Washer	55367
29	Pressure Pin	55368
30	Pressure Disk	55369
31	Spring Sleeve	55007
32	Spring	55008
33	Thrust Bearing	55288
34	Thrust Collar	55289
35	Carrier Ring	55290
36	Tooth Belt Pulley	55291
37 38 39	Pulley Lock System	55292
40	Motor Pulley	55293
41	Tooth Belt	55294
42	Forward/Reverse Switch	55295

No.	DESCRIPTION	Part No.
43	1 hp Electric Motor	55296
44	Motor Mount	55300
45	Screw	55301
46	Washer	55302
47	Spring Washer	55303
48	Hose Guide Mount Bolt	55304
51	Guide Bolt	55306
52	Mounting Bolts	55307
53	Cover Screws	55308
54	Washer	19008
55	Carrier Loop	19009
56	Carrier Loop Pin	19010
57	Pin Locking Nut	19011
58	Rubber Cover	19012
59	Washer	54017
61	Motor Pulley Switch	19013
62	Screw	19015
64	Switch Knob	19016
65	Cable Protector	19017
66	Lead Cable, 5 m	19018
67	Side Cover	55309
68	Cable Jaws, 32/22 mm	54948
69	Screws	19019
70	Lever Arm Grip	19020
72	Condenser	19021
76	Lever Arm Extension	19022
78	Threaded Pin	19023
86	Screw	19024
88	Cable Jaws, 16 mm	19025
89	Serrated Washer	19026
90	Plastic Closure Plug	19027
91	Toolholder	19120
91a	Toolholder Stud	53945
92	Isolation Disk	19028
93	Insulator Tubes	19029
94	Isolation Disk	19030
95	Cap	19031
99	Spring Washer	19032

CABLE MACHINES

K1500 Ridgid Kollmann Sewer Machine



- Great all round sewer and drain cleaning machine
- One person can easily clean the heaviest blockages
- High speed cleaning gets the job done more efficiently
- Unique, easy to use, instant acting cable clutch maximises operator control
- Wheels to the job site, sets up fast, cleans up fast
- Low profile frame design will fit most crawl spaces
- Loads and unloads from vehicles easily
- Equipped with 3/4 hp 240 V motor
- 32 mm cable easily clears blockages in 50-200 mm lines
- Comes with 3.7 m guide hose and hex key

Part No.	27521



Starter Kit Includes

- K1500 Machine
- Guide hose 3.7 m
- Cable carrier
- 3 x C11 cables 32 mm x 4.5 m
- Cable key
- Left hand glove
- T-3 Funnel auger
- Sharktooth cutter 80 mm
- 2 x Hex keys

Part No.	27461



Full Kit Includes

- K1500 Machine
- Guide hose 3.7 m
- 2 x Cable carriers
- 7 x C11 cables 32 mm x 4.5 m
- Cable key
- Left hand glove
- Tool box
- T-1 Straight auger
- T-3 Funnel auger
- T-6 Retrieving auger
- T-8 Grease cutter
- T-13 Sawtooth cutter
- Sharktooth cutter 80 mm
- 2 x Hex keys

Part No.	27491

K1500 Tools - Augers

DESCRIPTION	MODEL No.	Part No.
Straight Auger	T-1	28421
Heavy Duty Straight Auger	T-2	28451
Funnel Auger	T-3	27791
Heavy Duty Funnel Auger	T-4	27821
Straight Retrieving Auger	T-5	28461
Funnel Retrieving Auger	T-6	27851
Hook Auger	T-7	28061



Grease Cutters

Size (mm)	Model No.	Part No.
65	T-8	27941
90	T-9	27971
115	T-10	28001



H Cutters

Size (mm)	Model No.	Part No.
65	T-11	79321
90	T-12	80645



Sawtooth Cutters

Size (mm)	Model No.	Part No.
65	T-13	28121
90	T-14	28151



Expanding Cutters

Size (mm)	Model No.	Part No.
100-150	T15-A	80646
150-200	T15-B	80647



Spiral Bar Cutters

Size (mm)	Model No.	Part No.
100	T-16	28271
150	T-17	28301
200	T-18	80648



Spiral Sawtooth Cutters

Size (mm)	Model No.	Part No.
65	T-21	28331
80	T-22	28361
100	T-23	28391



Blade Cutters

Size (mm)	Model No.	Part No.
65	T-24	27551
90	T-25	27581
115	T-26	27611
140	T-26A	27641



Sharktooth Cutters

Size (mm)	Model No.	Part No.
80	T-50-1	28181
100	T-50-2	28211
150	T-50-3	28241



Sharktooth Cutter Blades

Size (mm)	Part No.
80	28191
100	28231
150	28251



K1500 Cables

DESCRIPTION	MODEL No.	Part No.
Cable 32 mm x 4.5 m	C-11	27731
Cable 32 mm x 4.5 m	C-12	74351
Cable 32 mm x 4.5 m	C-14	39441
Innercore Cable 32 mm x 4.5 m	C-11IC	27701
Cable Carrier	A-8	27671
Coupling Key	A-12	27761



K1500 ACCESSORIES

Guide Hoses

Size (m)	Model No.	Part No.
3	A-34-10	28031
3.7	A-34-12	77021



Guide Hose Bracket

Part No.	77721



Gloves

Type	Model No.	Part No.
Left Hand	A-1	27881
Right Hand	A-2	27911



Trap Leader

Model No.	Part No.
T-27	28501

Trap Spoon

Model No.	Part No.
A-4	80318



Drop Head

Part No.	22971



Electric Eel® Adaptor

- To use Electric Eel® tools on Ridgid® machines

Part No.	74021



Eel Adaptor Drop Head

Part No.	74022



K1500 PARTS

Jaw Set

Model No.	Part No.
A-369X	28091



Rocker Arm Kit

Part No.	77691



Toggle Switch

Part No.	81277



K1500 Wheel

Part No.	58545



Front Guard

Part No.	57393



Clutch Handle Ball

Part No.	81276



Clutch Handle Stem

Part No.	81275



Tool Box A3

Part No.	28481



DRAIN CLEANING - ELECTRIC EEL® SYSTEM

Model C Machine

- Durable and tough
- Easy one person operation
- Direct cable drive from the front of the machine allows 500 rpm
- Enclosed 3/4 hp, 240 V capacitor motor
- Folding handle allows easy storing
- Adjustable clutch protects machine and cable from overload

Part No.	22921

Complete Kit Includes

- Model C Machine
- 12 x TRS heavy duty cables 13 mm x 2.4 m
- 2 x Cable carriers
- Starting tool
- Spear head 80 mm
- Spear head 100 mm
- Finishing tool 100 mm
- Sawtooth cutter 100 mm
- Sharktooth cutter 100 mm
- Retrieving auger
- Feeding tool
- Spanner wrench

Part No.	22891



Model C Cables



Item	Size (m)	Model No.	Part No.
TRS Heavy Duty Cable	2.4	8-TRS	23431
Heavy Duty Cable	2.4	-	23435

Cable Carrier

Part no.	22951



ELECTRIC EEL® TOOLS

Augers



	Funnel ST-1	Bulb ST-2	Hook HDD-7
Part No.	22441	54111	23131

Spear Heads

Size (mm)	Model No.	Part No.
50	A-1DC	23161
65	A-2-3DC	23191
100	A-2DC	23251



Starting Tool

Model No.	Part No.
HDD2T	23401



Feeding Tool

Model No.	Part No.
SC-13	23001



Finishing Tools

Size (mm)	Suits (mm)	Model No.	Part No.
62	80	A-13-2DC	67041
69	90	A-14DC	22991
86	100	A-13DC	23071
114	125	A-6ADC	23101



Heavy Duty Grease Cutters

Size (mm)	Model No.	Part No.
80	U-3H	57449
100	U-4H	23041
150	U-6H	23011



Spiral Bar Cutters

Size (mm)	Model No.	Part No.
80	HDD-3S	23281
100	HDD-4S	23311
150	HDD-5S	23341



Drop Head

Model No.	Part No.
SC-19	22981

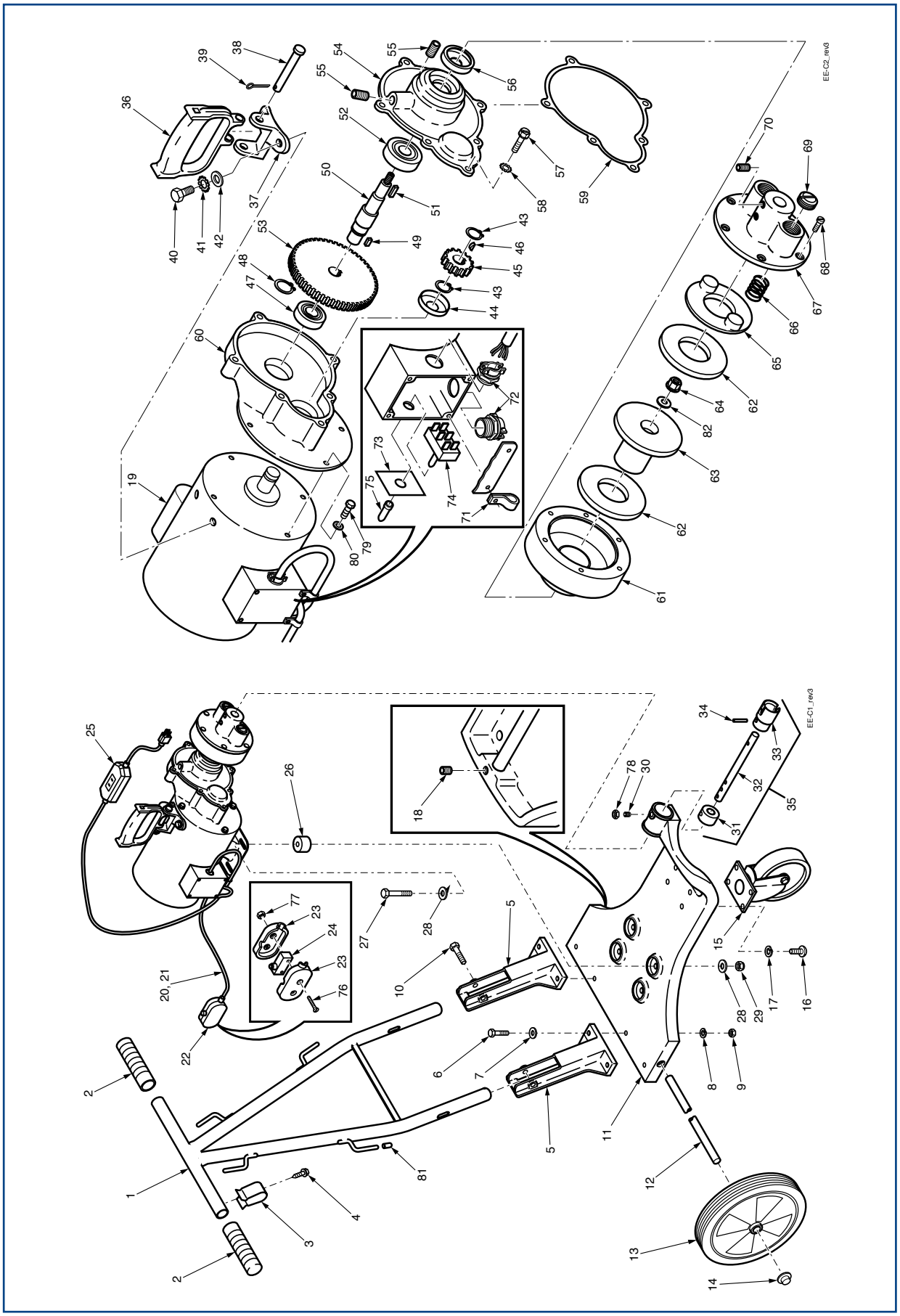


Coupling Key

Model No.	Part No.
SC-18	41801



DRAIN CLEANING - ELECTRIC EEL® DIAGRAM



DRAIN CLEANING - ELECTRIC EEL® PARTS LIST

No.	Description	Part No.
2	Eel Handle Grip	19034
3	Eel Switch Clip	19035
4	Eel Switch Clip Screw	19036
5	Eel Bracket Base of Handle	19037
6	Eel Bracket Capscrew	19038
7	Eel Bracket Washer	19039
8	Eel Bracket Lockwasher	19040
9	Eel Bracket Nut	19041
10	Eel Folding Handle Capscrew	19042
11	Eel Drive Unit Base	19043
12	Eel Axle	19045
13	Eel Wheel 250 mm Diameter x 5/8”	19046
14	Eel Pushnut	19047
15	Eel Swivel Castor	19048
16	Eel Castor Screw	19049
17	Eel Castor Lockwasher	19050
18	Eel Axle Setscrew	19051
19.1	Eel Replacement Motor ½ hp	19052
19.2	Eel Replacement Motor ¾ hp	19052
19.3	Eel Replacement Motor 1 hp	19052
20	Eel Switch and Lead 15’	53749
21	Eel Cord 15’	19054
22	Eel Hand Switch with Case Assembly	19055
23	Eel Switch Case Only	19056
24	Eel Momentary Contact Switch	19057
25	Eel Ground Fault Circuit Interrupter Cord 6 m	19058
26	Eel Rubber Mount	19059
27	Eel Rubber Mount Cap Screw	19060
28	Eel Rubber Mount Flat Washer	19061
29	Eel Rubber Mount Nut	19062
30	Eel Set Screw Dog Point 3/8-16 x ¾”	19063
31	Eel Shaft Bearing SC 11	80655
32	Eel Shaft SC 12	80656
33	Eel Connector and Pin	67071
34	Eel Spiral Pin	19067
35	Eel Shaft Assembly	19068
36	Eel Carry Handle	19069
37	Eel Bracket	19070
38	Eel Handle Pin	19071
39	Eel Cotter Pin	19072
40	Eel Handle Capscrew	19073
41	Eel Handle Lockwasher	19075

No.	Description	Part No.
42	Eel Handle Flat Washer	19076
43	Eel Retaining Ring	19077
44	Eel Rear Oil Seal	19078
45	Eel Small Gear with Key	19079
46	Eel Woodruff Key	19080
47	Eel Rear Ball Bearing	19081
48	Eel Retaining Ring	19082
49	Eel Key	19083
50	Eel Back Gear Shaft	19084
51	Eel Key	19085
52	Eel Front Ball Bearing	19086
53	Eel Large Gear with Key	19087
54	Eel Gear Case Cover	19088
55	Eel Pipe Plug	19089
56	Eel Front Oilseal – Back Gear Shaft	19090
57	Eel Gear Case Cover Screw	19091
58	Eel Gear Case Cover Lockwasher	19092
59	Eel Gear Case Gasket	19093
60	Eel Gear Case	19094
61	Eel Clutch Body	19095
62	Eel Clutch Friction Disc	19096
63	Eel Clutch Drive Member	19097
64	Eel Back Gear Shaft Nut	19098
65	Eel Clutch Pressure Plate	19099
66	Eel Clutch Spring	19100
67	Eel Clutch Cover Plate 19101	
68	Eel Screw	19102
69	Eel Clutch Adjusting Screw	19103
70	Eel Socket Head Setscrew Anchor	19105
71	Eel Wire Clamp	19106
72	Eel Screw Connector	19107
73	Eel Forward/Reverse Switch Plate	19108
74	Eel Reversing Switch	19109
75	Eel Toggle Switch Boot	19110
76	Eel Switch Case Screw	19111
78	Eel Jam Nut 3/8-16”	19113
79	Eel Hex Head Cap Screw 3/8-16 x 1”	19114
80	Eel Lockwasher Internal 3/8”	19115
81	Eel Cord Hook Cap	19116
82	Eel Flat Washer 3/8”	19117

COIL SPRING ROD EQUIPMENT

Coil Spring Kit

- Ideal for tight bend work and traps
- Suitable for 100-150 mm sewer and stormwater lines

9 m Kit Includes

- 10 x 900 mm drain rods
- Crank handle
- Double wormscrew
- Plunger 100 mm
- Rod key

Part no.	22291

18 m Kit Includes

- 20 x 900 mm drain rods
- Crank handle
- Double wormscrew
- Plunger 100 mm
- Rod key

Part no.	22321



TOOLS AND ACCESSORIES

Drain Rod

Part No.	22501



Crank Handle

Part No.	22531



Double Wormscrew

Part No.	22351



Plungers

Size (mm)	Part No.
100	22381
150	22411



Plunger Rubbers

Size (mm)	Part No.
100	22021
150	22051



Rod Key

Part No.	22561



POLY ROD EQUIPMENT

Lockfast™ Rods

- Ideal for small sewer lines and stormwater drains
- Durable brass Lockfast™ fittings
- Rods made from polypropylene ensuring optimum flexibility
- Unique locking system ensures rods only ever tighten as they are used

9 m Kit Includes

- 10 x 900 mm rods
- Turning handle
- Wormscrew 50 mm
- Plunger 100 mm

Part no.	28601



18 m Kit Includes

- 20 x 900 mm rods
- Turning handle
- Wormscrew 50 mm
- Plunger 100 mm

Part no.	28631

TOOLS AND ACCESSORIES

Rod

- 900mm

Part No.	28841

Turning Handle

Part No.	28761



Wormscrews

Size (mm)	Part No.
60	28661
80	28691
100	28721



Drop Scraper

Part No.	28751



Plungers

Size (mm)	Part No.
100	28781
150	28811



BRADY RODS

- Ideal for shaft plunging
- Simple screw together assembly
- Flexible rods with high quality brass fittings
- Australian made

TOOLS AND ACCESSORIES

Rods

Size (mm)	Part No.
900	21781
1200	21811
1500	21841
1800	81608
3000	21871



Poly Brushes

Size (mm)	Part No.
80	48642
100	64761
150	80757
200	80758



Wire Brushes

Size (mm)	Part No.
80	48672
100	80759
150	80760
200	80761



Drop Scraper

Part No.	21901



Plungers

Size (mm)	Part No.
100	21961
150	21991



Plunger Fitting

Part No.	21971



Wormscrew

- 50mm

Part No.	21931



Flex Drive Rodding Machine

- Heavy duty sewer and drain cleaning machine
- Dual operation, 8 mm rods and Electric Eel® cables
- Suitable for pipes 100-300 mm
- Low rod speed, maximum 120 rpm
- Petrol powered 5.5 hp
- Mounted on 4 wheel trolley
- All controls mounted on handle
- Torque limiter

Part No.	21141



TOOLS AND ACCESSORIES

Trailer

- Optional accessory for rodding machine
- Supplied with rod reel cage

Part No.	21151



Rodding Trailer Reel

Part No.	21142



Flex Style Rods

- High spring steel construction
- Simple screw together for rapid assembly
- Can be stored assembled by using Rod Reel (Part no. 21142)
- Very popular rod system
- Available in different lengths

Length (m)	Part No.
1.0	23941
1.0 x 3/8”	11155
1.5	23971
1.8 x 3/8”	11973
3.0	24001





Coupling

- Connects flex style rods and tools

Part No.	34201



Tool Adaptor

- Used to adapt attachments for use with flex style rods

Part No.	24621



Assembly Wrench

- Used to assemble/disassemble flex style rods

Part No.	24031



Spring Loaded Turning Handle

- Great for light turning
- Spring loaded pin locks into coupling hole to aid rapid assembly of rods

Part No.	65871



Pull Out Tool

- Used to draw rods out of lines and chokes
- Not designed for twisting

Part No.	24511



Pull Out and Twist Handle

- Can be used to turn or twist into or out of blockages
- High grade steel pin locks rod in securely for easy tugging and pulling when disengaging choke

Part No.	24541



Spring Lock Pin

- Replacement pin for Part no. 24541

Part No.	48821



Ratchet Turning Handle

- Increases turning torque on tough blockages
- Quick release clutch to easily connect and disconnect rods
- High quality Ridgid® turning ratchet mechanism

Part No.	24571



Augers

- Dual edged cutting blade
- Ideal for stringy roots, grease build up and sand

Size (mm)	Part No.
80	24061
100	24091
150	24121
225	24151
300	24181



Wire Corkscrews

- General purpose tool, used to penetrate blockages and re-open lines

Size (mm)	Part No.
50	24871
80	24901
90	24931
100	24961
150	24991



Double Corkscrews

- Often used to remove tangled blockages such as rags, cloths and paper
- Can also be used to dislodge cans, sticks and rubbish

Size (mm)	Part No.
80	24211
100	24241
125	24271
150	24301



Square Bar Corkscrews

- Corkscrews into blockage and cuts using blade when reversed/pulled
- General purpose tool, ideal for hard deposits and tree roots etc.

Size (mm)	Part No.
80	24631
100	24661
125	81112
150	24721
200	81113
250	24811
300	24841



Root Saws

- Can only be used with power rodding, is not suited to hand rodding
- Heavy duty high grade steel blade with dual edge teeth for bi-directional cutting
- Ideal for cutting heavy root intrusions

Size (mm)	Part No.
100	24361
150	24391
225	24421
300	24451



Sand Leader

- Clears sand and silt build ups

Part No.	65901



Spear Heads

- Punches holes through thick solid blockages
- Breaks up soil clods and hard deposits

Size (mm)	Part No.
60	24601
100	44291



Pick Up Tool

- Picks up broken rods or sections of rod that have become disengaged
- Operates in reverse corkscrew

Part No.	24481



TOOLS AND ACCESSORIES

Ridgid® Rods

Length (m)	Part No.
1.0	30241
1.5	30271
3.0	30301





Ridgid Style Rods

Length (m)	Part No.
1.0	30251
1.5	30281
3.0	30311



Rod Couplings

Style	Part No.
Female	39741
Male	39711



Tool Adaptor

- Used to adapt attachments for use with flex style rods

Part No.	31051



Turning Handle

- Can be used to turn or twist into or out of blockages
- Easy spinning ball for greater control and increased leverage
- Model no. R-O

Part No.	30631



Augers

- Dual edged cutting blade
- Ideal for stringy roots, grease build up and sand



Size (mm)	Model No.	Part No.
80	T-316	30331
100	T-317	30361
125	T-318	30391
150	T-319	30421
200	T-320	30451
250	T-321	30481

Round Stock Corkscrews

- General purpose tool, used to penetrate blockages and re-open lines

Size (mm)	Model No.	Part No.
40	T-301	30661
50	T-302	30691
65	T-303	30721
80	T-304	30751



Double Corkscrews

- Often used to remove tangled blockages such as rags, cloths and paper
- Can also be used to dislodge cans, sticks and rubbish

Size (mm)	Model No.	Part No.
80	T-306	30511
100	T-307	30541
125	T-308	30571



Square Bar Corkscrews

- Corkscrews into blockage and cuts using blade when reversed/pulled
- General purpose tool, ideal for hard deposits and tree roots etc.

Size (mm)	Model No.	Part No.
100	T-310	30871
125	T-311	30901
150	T-312	30931
200	T-313	30961
250	T-314	30991
300	T-315	31021



Spear Head

- Punches holes through thick solid blockages
- Breaks up soil clods and hard deposits
- Model no. T-300

Part No.	30811



Pick Up Tool

- Picks up broken rods or sections of rod that have become disengaged
- Operates in reverse corkscrew
- Model no. T-326

Part No.	30601



Coupling Key

- Model no. A-13

Part No.	47412



RODDING ACCESSORIES

Gooseneck Set

- Used for guiding rods into manholes
- Prevent snagging or catching whilst feeding or withdrawing rods
- All pieces join using loose socket enabling any length to be achieved
- Contains gooseneck, bell piece, 300, 600 and 900 mm pipe piece extensions

Part No.	25171



Goosenecks

Style	Part No.
Blunt	25081
Sharp	25111



Pipe Pieces

Length (m)	Part No.
300	29651
600	29681
900	29711
1200	29741
1500	29771
1800	29801



Bell Piece

Part No.	21421



Jetsnake Trap Spoon with Extension

- Essential for the diversion of cables, cameras and jetting hoses off the shaft line
- Extension included
- Combined length 3 m

Size (mm)	Part No.
100	59165
150	58942



STANDARD PLUNGERS

Plumbers Plungers

- Sturdy plunger for sinks, basins and toilets

Size (mm)	Part No.
100	25371
150	77141



Master Plunger®

- Perfect for tubs, toilets, showers, kitchen and bathroom sinks
- Pressure relief valve prevents water from over flowing
- Simply turn handle to release valve, insert into bowl, close valve and plunge
- Sturdy plastic allows accordion action to effectively clear most blockages
- Suits pipes up to 90 mm

Part No.	86053



Universal Plunger

- Ideal for the general plumber, combining 2 tools in 1
- Solid steel construction, galvanised for long life and lasting performance
- Dual size (100/150 mm) caters for most applications
- Standard length 1.5 m with a 1.0 m extension supplied for use on deep boundary shafts (extension available separately, Part no. 57489)
- Interchangeable 100 and 150 mm rubbers
- Replaceable rubbers

Part No.	29891



Utility Plungers

- Ideal for boundary shafts, P-traps and gullies
- Long handle, 2.2 m
- Solid steel construction, galvanised for lasting performance
- Can be adapted to 225 mm
- Replaceable rubbers

Size (mm)	Part No.
100	29831
150	29861



Double Ended Plunger

- Great tool for those that do not require deep plunging or the use of extensions
- Combining 2 plungers on the 1 shaft
- Steel construction, galvanised for lasting performance
- Overall length 1.6 m
- Replaceable rubbers

Part No.	81605



PARTS AND ACCESSORIES

Plunger Rubbers

- Replaceable plunger rubbers for most types of plungers
- Available in varying thicknesses to suit your application
- High quality rubber
- Smaller sizes can be fitted to any plunger by removing backing plate
- Can be used on Brady®, Marco® and Lockfast® plungers

Size (mm)	Thickness (mm)	Colour	Part No.
40	6	Black	20251
50	6	Black	20241
80	6	Black	20231
100	6	Black	20211
100	12	Black	22021
150	6	Black	20221
150	12	Black	22051
200	6	Black	74743
225	12	Black	74141
225	12	White	74171



Plates

- Replaceable backing plate for utility and double headed plungers

Size (mm)	Part No.
100	78751
150	78781



Extension Pole

- 1.0 m long
- Can be used with both Utility and Universal Plungers

Part No.	57489



AIRFORCED PLUNGERS

Super Plungers

- Perfect for stubborn blockages

Flange Size	Part No.
Large	12706
Small	12707



Kinetic Ram Plunger

- Uses compressed air to clear a blockage (kinetic energy)
- 98% of the ram's kinetic force hits the stoppage
- Instant impact protects pipe and joints because it does not use pressure build up in the plumbing system
- Gauge indicates when tool reaches desired pressure
- Compressed air travels at approximately 1,220 metres per second (4,000 feet per second)
- Used for 32-100 mm pipelines

Part No.	25711



Repair Kit

Part No.	86095

Note: for flexible rod plunger options, please see the Rodding section, Lockfast, Brady or Coil Spring Equipment

ANCILLARY DRAIN EQUIPMENT

Ridgid® K26 Hand Spinner

- Slip resistant chuck that grips/releases cable by turning the wrist
- Open plastic drum, allowing easy access to the cable that will not dent or rust
- 8 mm x 7.5 m hollow core cable fitted with a bulb head auger will suit most applications

Part No.	57587



Ridgid Closet Auger

Style	Part No.
Drop Head	11842



Galvanised Drain Set

- Complete set to suit most commercial or utility plumbers
- Universal tools fit to either extensions
- Can be quickly assembled and disassembled

Kit Includes

- Drain rake/hooks for trapping or lifting branches and other debris from manholes and maintenance shafts (Part no. 57929)
- Plungers 100 mm (Part no. 57927) and 150 mm (Part no. 57928) which are ideal for plunging boundary shafts
- Flat scraper which is great for scraping channels and stormwater pits (Part no. 57925)
- Curved scraper, excellent for removing scale/slime from shafts and pipes (Part no. 57926)
- Extension poles 1.6 m (Part no. 57930) and 1.8 m (Part no. 57931) can be used together or separately to provide maximum length of 3.4 m

Part No.	86753



IO Cap Tool

- Never struggle with IO caps again
- Sturdy plastic construction
- Super strong grab ring locks onto cap for quick and easy removal

Part No.	86362



Hooker Pick Up Tool

- Toothed jaw for better grip
- Locking system for holding onto heavy objects
- Extendable to 3 m
- Strong steel construction
- Lightweight

Part No.	25351





Gully Scoops

- Available in 7 different sizes
- Safely picks up foreign objects from gullies, boundary traps, pits and shafts
- Powerful jaw action ensures firm grip on various objects
- Protects hands from sharp and dangerous objects



MODEL No	LENGTH (m)	PIPE Ø (mm)	PART No.
303	0.9	75	**67011**
304	0.9	100	**25201**
503	1.5	75	**25221**
504	1.5	100	**25231**
506	1.5	150	**25261**
704	2.1	100	**25291**
706	2.1	150	**25321**

Clog Buster® Drain Flushers

- Slotted end multiplies water pressure within confines of pipe to ensure maximum pressure behind blockage
- Utilises standard 19 mm female hose connection
- Makes the most out of the standard hose pressure
- Quickly seals against wall of pipe to increase pressure against blockage



Size (mm)	Minimum Ø (mm)	Maximum Ø (mm)	Length (mm)	PART No.
25-50	28.5	53.8	130	**80750**
40-75	40	75	167	**80751**
100-150	75	150	267	**80752**

Jet Balls

- Spiral grooves provide high power spraying action
- Cleans both new and old pipes
- Very cheap alternative to a jetter



Size (mm)	Minimum Ø (mm)	Maximum Ø (mm)	Length (mm)	PART No.
150-200	115	200	356	**25764**
150-250	149	260	200	**25621**
250-350	222	363	311	**25651**
300-450	295	465	280	**14707**
375-450	275	465	375	**25681**
475-775	450	785	900	**14705**
600-950	595	960	1650	**14706**

Pipeline Pigs

Cadia supplies a wide range of pipeline pigs, launchers, filter and receiver units. As a major supplier of modular pigs, we also supply light, medium and high density foam pipeline pigs. These pigs can be supplied with a number of different coatings, high tensile steel studs and other specialty coatings.



MANHOLE TOOLS

Debris Baskets

- Used to catch grit and debris at downstream manhole when water jetting
- Basket swings to upright position when lifted, allowing operator to bring debris to surface without losing it



Size (mm)	Part No.
150	**58376**
225	**58454**
300	**58300**

Debris Basket Lifting Pole

- Pole attaches to debris baskets for remote operation
- Suits all sizes of debris baskets

Part No.	58377



DRAIN RAKES

Standard Drain Rake

- Used to catch roots and debris downstream at manhole when water jetting or root cutting
- Long 2.2 m handle is ideal for operating from above most manholes
- Centre prong is extended to allow for curvature of outlet pipe
- Also used in sewerage and treatment plants to remove objects from ponds etc.

Part No.	22861



Drain Rake Extension

- 20 mm x 2 m gal pipe used for extension to reach down deep manholes

Part No.	40371



Short Drain Rake

- Used to catch roots and debris downstream at manhole when water jetting or root cutting
- Short handle with socket for use with extensions
- Centre extended prong to ensure all debris is caught in outlet pipe

Part No.	57941



CAMERAS AND DRAIN INSPECTION

VCAM® SERIES CAMERA

Vivax vCam-6 Inspection Camera System

- Lightweight, economical and weather resistant (IP54) module
- Records video or still images
- Massive 1 TB hard drive storage
- USB and SD card compatible (AVI)
- Comprehensive text editing/writing
- 512/640 Hz transmitting sonde
- Built in Li-ion batteries
- 4 x digital zoom
- Wi-Fi interface for simple data transfer
- Video streaming direct to PC
- Full stainless steel reel frame construction
- Self-levelling, full colour 34 or 46 mm head camera encased in stainless steel housing with sapphire lenses and high intensity LEDs



REEL LENGTH (m)	HEAD SIZE (mm)	PART No.
60	46	**16823**
120	34	**26824**
120	46	**16824**

Vivax vCamMX Mini Inspection Camera Systems

- 30 or 45 m vCamMX System with D26 Camera and 18 mm camera head
- Ideal for 100 mm lines
- Internal microphone for audio commenting over recording videos
- 200 mm daylight viewable display
- Automatic backup of videos and pictures to SD Card
- Locatable dual frequency sonde and traceable pushrod for pinpointing and mapping out lines
- Choice of two interchangeable camera heads
- Wi-Fi and Hot-Spot options
- Record direct to USB drive in AVI video format
- One-touch recording and JPEG still image capture
- 2 x Digital zoom viewing
- Large keypad usable while wearing gloves
- Internal rechargeable battery provides more than 5 hours of battery life
- Lightweight durable carbon fibre pushrod drum

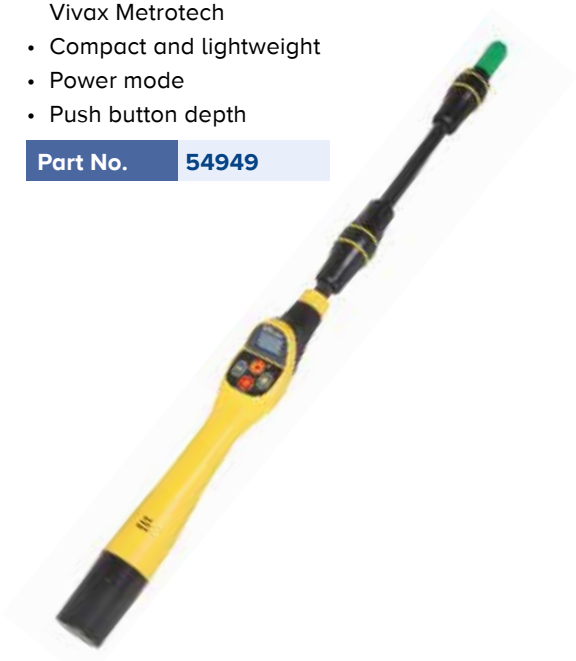


Size (mm)	Part No.
30-D18	**13262**
30-D26	**12918**
45-D18	**13263**
45-D26	**12919**

Vivax Metrotech Sonde Locator VM540

- Designed for reliable daily use in hostile environments
- Compatible with many Sondes and CCTV systems manufactured by others as well as those from Vivax Metrotech
- Compact and lightweight
- Power mode
- Push button depth

Part No.	54949



vCam® 6 Digital Module

- Compact watertight housing
- Recessed waterproof 200 mm TFT-LCD display
- Recording and playing in MP4 format with a 320 GB hard drive
- Complete watertight silicone keyboard for data input
- USB interfaces for video/audio transmission to desired storage medium
- Video input and output
- Power supply via power unit, internal batteries or 12 V adaptor
- Odometer
- Integrated locating probes with 33 kHz, 512 Hz and 640 Hz frequencies
- Recording at the touch of a button using the integrated MP4 recorder
- Still picture snap shot feature





Part No.	17063

VCAM® REELS

vCam Type CP Reel 60 m

- Full stainless steel construction
- Axle suspension with integrated cushioning system
- Mounting hardware for module for easier viewing
- 60 m x 12 mm Kevlar reinforced cable
- 46 mm self-levelling head

Part No.	17061



vCam Type CP Reel 120 m

- Full stainless steel construction
- Mounting hardware for module for easier viewing
- 120 m x 12 mm Kevlar reinforced cable
- 46 mm self-levelling head

Part No.	54190

VCAM® ACCESSORIES

vCam® Stainless Steel Roller Type Skid

- Stainless steel construction
- Nylon rollers
- 6 grub screws secure head firmly
- Fits 33 and 46 mm camera heads
- Suits up to 150 mm pipes

Part No.	59780



vCam® Adjustable Skid

- Sturdy aluminium construction
- Spring loaded self-adjusting legs
- Fits 33 and 46 mm camera heads
- Adjustable from 229-457 mm

Part No.	81408



vCam® Adjustable Skid with Lights

- Sturdy aluminium construction
- Spring loaded self-adjusting legs
- 63 super bright LED lights
- Adjustable locking nut
- Fits 33 and 46 mm camera heads
- Adjustable from 229-457 mm

Part No.	81373



Prospec® Pole Inspection Units

- Intrinsically safe torch
- Large mirror
- Excellent for manhole inspection



Length (mm)	Part No.
1.3-2.4	55918
2.7-5.0	85373

RIDGID PIPE CAMERA SYSTEMS

SEESNAKE® MICRO CAMERAS

SeeSnake® Micro Inspection Camera

- 90 mm colour LCD screen
- Compact 17 mm camera head
- Ergonomic pistol grip
- Forward facing controls for brightness and on/off
- Video out jack
- 6 hour battery life
- Cable extensions (0.9 or 1.8 m) available to extend length of camera

Part No.	15761

SeeSnake Nano Reel

- 15.5mm Camera Head
- 19mm-50mm line capacity

Part No.	25761



SeeSnake Max rM200 Camera System

- Compact Self-levelling Head
- 60m Cable Length



Part No.	12499

SeeSnake Mini Reel

- 61m Cable length
- 30mm Camera Diametre



Part No.	17132

SeeSnake® Explorer® MicroReel™

- Lightweight and compact inspection solution
- Multiple monitor capability allows use with SeeSnake® monitors or microEXPLORER™
- Cable suits lines 38-100 mm lines
- 25 mm stainless steel camera head
- Inline transmitter sonde 512 Hz included



Length (mm)	Part No.
20	85920
30	85915

SeeSnake® Micro Accessories



Description	Suits		Part No.
	Micro	microEXPLORER™	
Extension 0.9 m	Y	Y	81029
Extension 1.8 m	Y	Y	81288
Cable and Head 0.9 m x 17 mm Ø	Y	Y	81290
Replacement Battery Cradle	Y	N	58908

SeeSnake CS12x Digital Monitor

- Wi-Fi connectivity
- 307mm Digital Display
- Dual Battery Option



Part No.	91007

SeeSnake CS65x Digital Monitor

- 165mm Digital Display
- Wi-Fi and Bluetooth connectivity
- Internal GPS



Part No.	17195

18 V Battery



Part No.	91006

18 V Battery Charger



Part No.	54882

LEAK DETECTORS AND LOCATORS

GAS DETECTORS

Combustible Gas Leak Detector

- Highly sensitive and reliable
- Easy to use
- Sound and visual warnings accelerate as sensor approaches a leak
- Pinpoints even small leaks
- Small and compact yet rugged and robust
- Moisture detector attachments also available, please enquire



Part No. 12203

Ridgid® Combustible Gas Leak Detector

- Rugged ergonomic design
- Tri-Mode Detection™, visual, audio or vibration alert
- Adjustable sensitivity settings
- 400 mm flexible probe
- Field replaceable sensor
- Model No. CD-100



Part No. 85133

Monoxide Gas Detector Model 7701

- Ideal for use in situations where CO concentrations are or can become dangerous
- High contrast LCD screen
- Fully adjustable alarm, pre-set at 25 ppm
- Electrochemical sensors with a range of 0-999 ppm
- Extremely robust and compact
- Supplied complete with pouch and wrist strap
- Requires 2 x AA batteries



Part No. 85207

Monoxide Gas Detector Model 181

- Digital LCD display
- Auto/Manual zero function
- Record mode, up to 100 data sets
- LED and audible alarms
- High accuracy, quick response
- Pocket size with protective satchel
- Auto power off
- 2 x AA batteries



Part No. 59214

Altair® 4Gas Detector Kit

- Lightweight and compact
- Glow in the dark, large, high contrast LCD display
- Ultra bright LEDs on top and bottom of unit
- MSA X Cell sensors for optimum sensitivity
- Simple to use bump-check mode with 24 hour indicator
- Long 24 hour battery run time
- Loud 95+ dB alarm, can also be activated manually
- Heavy duty, durable rubberised housing for secure grip
- 5 year warranty Kit Includes
- Altair® 4Gas Detector
- Carry case
- Charger
- Bump test clip
- Gas bottle
- Gas regulator





Part No. 65531

Altair 5X Multigas Detector

- Detects combustible gases in LEL and/or volume percentage range, oxygen, carbon monoxide, carbon dioxide, hydrogen sulphide, sulphur dioxide, ammonia, chlorine, VOCs and many others depending upon sensor configuration
- Rugged over-moulded polycarbonate housing provides unsurpassed durability, including ability to survive 3 m (10') drop; IP65-certified
- Field-proven integral pump provides consistent gas flow, eliminating concerns of externally-attached components
- InstantAlert feature provides manual alarm to alert others as to a potentially hazardous situation
- MotionAlert feature option tells others that user has become immobile
- PID option allows for accurate, reliable VOC response with programmable reference factors
- Large buttons and bright display provide easy operation, even when users wear gloves
- Exclusive end-of-sensor warning
- Versatile MSA Link™ Software allows users to transmit data to a computer
- Compatible with GALAXY GX2 Test System and MSA Link Pro Software for fleet management
- Wireless bluetooth included standard



Part No. 54953

Gas Leak Detector Spray

- Australian made, water based, liquid leak detector that contains no caustics
- Will not affect safety valve springs or steel piping
- Quickly and easily allows location of gas leaks in low and high pressure, liquid and vapour systems
- Suitable for use on LPG, Natural Gas, CNG, Air, Argon, Acetylene, Freon, Helium and Nitrogen systems
- Easy to use, simply spray on pipes, tubes, hoses and connections to be tested and watch for frothing which will indicate a leak; the size of the leak will be indicated by the amount of froth or bubbles
- 500 ml spray bottle



Part No.	59153

WATER LEAK DETECTORS

Prospec® Listening Stick

- Locates leaking water, when put in direct contact with pipe, by transmitting sonic vibration caused by water leaks
- Economical yet rugged construction
- Easy to use
- Fully insulated to reduce the risk of electric shock
- Ensure all outlets are closed when using this tool





Part No.	11495

Seba KMT Hydrolux Detector Kit HL 50

- Integrated sensor and wireless headphones
- External ground microphones can be connected
- Easy to operate with only two operation buttons
- Frequency filter for different field applications
- Extremely long battery life
- For professional leak detection, external ground microphones can be connected



Kit Includes

- HL 50 receiver with integrated sound sensor
- Wireless headphones (wired headphones optional)
- Transport case
- Magnetic adapter
- Extension rods for sensor tip or magnet (2 pcs)
- Operating manual



Part No.	10743

Electro-acoustic leak detection Hydrolux HL7000

- Completely wireless thanks to Bluetooth® technology
- Intuitive operation with clear touch colour display
- Always ready to use due to powerful lithium-ion rechargeable batteries
- Integrated GPS receiver
- Environmental/extraneous noise reduction
- Frequency analysis

Part No.	65600

Pictured with optional extras:
Gas trace, PAM Corr2 – Universal microphone, and PAM T7 Stake.







Data sheet can be downloaded from the Cadia website - www.cadia.com.au

MOISTURE DETECTORS

Protimeter® Aquant Detector

- Used to assess and monitor relative moisture level of materials including plaster, masonry, concrete and fibreglass
- Ideal for checking relative moisture condition of building elements such as solid walls, floors and leak paths in shower cubicles (behind ceramic tiles)
- Digital display, synchronised with colour coded LED scale
- Display shows relative moisture level of the material under investigation on a scale of 0-999
- Colour LED scale indicates material moisture condition
- Simply hold against the surface of the material under investigation and reading will display
- Relative moisture level is measured by radio frequency to a nominal depth of 10-20 mm



Part No.	80756

Protimeter® Survey Master Detector

- Search and Measure modes
- Range 0-999 relative (non-invasive) or 7-99% WME (pin measurement)
- Dual display, digital LCD and 60 LED scale
- LED display shows green (dry), yellow (at risk) and red (wet)
- Detects at 19 mm depth non-invasive or at 12 mm with pin measurement
- Pouch with belt loop to protect and carry instrument
- 1 x 9 V battery
- Weighs 100 g including batteries
- Size 175 mm long x 48 mm wide x 30 mm high
- 1 year warranty

Kit Includes

- Survey Master Detector
- 127 mm deep wall probes
- Moisture probe
- Calcheck
- 2 spare pins
- Pouch
- Instructions



Part No.	59058

LOCATORS

Vivax Metrotech™ Locators

Vivax Metrotech™ Line Locator VM550

- Compact and lightweight
- Power mode
- Two active frequencies, 8 kHz and 83 kHz
- Push button depth
- 1 Watt transmitter



Part No.	54680

Vivax Metrotech™ Signal Clamps

- A common accessory to the VM550

Suits	Part No.
Pipes up to 100mm	54890
Pipes up to 150mm	53611



vScan Line Locator Kits

Standard Features

- Depth and current measurement (configurable)
- Compass (line direction indicator)
- Internal and removable loudspeakers
- Self-test and calibration verification
- Data logging and data management software
- Configuration utility – personalise your vScan

Optional Features

- 1 watt dual frequency transmitter
- Lithium ion rechargeable batteries
- Internal or external GPS
- Bluetooth
- Carry bag (free when purchasing a receiver and transmitter)

Model	Part No.
vScan Standard	11933
vScan M	11932



Vivax Metrotech vLoc3Pro 10W Locator Kit

- Colour coded EM distortion warnings
- Offset vector locate mode
- Optional receiver/transmitter link
- Cloud-based data warehousing
- Internal data logging
- Optional Bluetooth connectivity



Part No. 16813

Vivax Metrotech V Loc Pro2 5W Locator Kit

- Includes Receiver and Transmitter
- Bluetooth® compatible
- Supplied in heavy duty carry case with roller wheels

Receiver

- Peak, null, broad peak, sonde and dual modes
- Left/right indication arrows
- Depth and current measurement
- Current direction compass
- Gain level control 140 dB
- Battery indicator
- Frequency range selection 50 Hz to 83 kHz available

Transmitter

- Output current displayed
- Connection method displayed
- High voltage warning
- Built in multimeter with volts/ohms display
- Battery condition display
- Induction mode
- Direct connection mode
- 512Hz and 8, 33, 65, 83 kHz frequencies
- Optional rechargeable battery pack



Part No. 10208

Vivax Metrotech™ vLocPro2 10 W Line Locator Kit

- Includes Receiver and Transmitter
- Bluetooth® compatible
- Supplied in heavy duty carry case with roller wheels

Receiver

- Peak, null, broad peak, sonde and dual modes
- Left/right indication arrows
- Depth and current measurement
- Current direction compass
- Gain level control 140 dB
- Battery indicator
- Frequency range selection 50 Hz to 83 kHz available

Transmitter

- Output current displayed
- Connection method displayed
- High voltage warning
- Built in multimeter with volts/ohms display
- Battery condition display
- Induction mode
- Direct connection mode
- 8, 33, 65, 83, 512 and 640 kHz frequencies
- Other frequencies available, please enquire
- Optional rechargeable battery pack

Part No. 56319



Data sheet can be downloaded from the Cadia website - www.cadia.com.au

Vivax Metrotech VLoc ML2 Kit

- Multi-purpose marker and line locator
- Factory installed option to locate various buried markers
- Easily recognised by a carbon fibre collar on antenna tube
- Can locate one or multiple markers
- Choice of 'locate and search' or 'search only' for markers
- Includes Receiver and Transmitter
- Supplied with robust, protective carry case and user manual

Receiver

- Peak, null, broad peak, sonde and dual modes
- Left/right indication arrows
- Depth and current measurement
- Current direction compass
- Gain level control 140 dB
- Battery indicator
- Frequency range selection 50 Hz to 83 kHz available

Transmitter

- Output current displayed
- Connection method displayed
- High voltage warning
- Built in multimeter with volts/ohms display
- Battery condition
- Induction mode
- Direct connection mode
- 8, 33, 65, 83, 512 and 640 kHz
- Other frequencies available, please enquire
- Optional rechargeable battery pack

Transmitter	Part No.
5 Watt	14202
10 Watt	85559



PIPE, CABLE AND LINE LOCATORS

Ridgid® NaviTrack® Scout® Locator

- Ideal for users locating SeeSnake® cameras and other sondes who occasionally need to locate energised lines
- Economical, compact and robust tool
- Distinctive on-screen markers guide to the target
- Displays real-time signal strength with no need to adjust gain
- Calculates depth over the target
- Provides a map to trace energized lines at 3 different frequencies as well as passive AC
- Can be used with all Ridgid® transmitters

Part No.	80726



RIDGID® NAVITRACK® TRANSMITTERS

Ridgid® SeekTech® SR 20 Locator

- World first mapping display with omni-directional antennas
- Built-in target line guides the operator and indicates direction changes
- Guidance arrows point operator to target utility
- Continual 'real time' depth display
- Proximity signal and signal strength helps the operator centre the locator closer to the target
- Current strength indicator shows the current on the target line
- Active and passive search modes

Part No.	80730



Ridgid® SeekTech® SR 60 Locator

- Suited for those needing the fastest and easiest, most versatile receiver available
- Ideal for use with poor soil conditions, poor conductors or grounding
- World first mapping display with omnidirectional antennas
- Continual 'real time' depth display
- Guidance arrows point operator to target utility
- Proximity signal and signal strength helps the operator centre the locator closer to the target
- Identifies current on target line
- Active and passive search modes
- Can trace any frequency from 10 Hz to 490 kHz i.e. all locatable frequencies
- Can trace energised lines and sondes simultaneously
- Optional case



Part No.	85917

Ridgid® Model 305 Transmitter

- 5 W variable power
- 4 Frequencies
- Audio feedback confirms a good circuit
- Transmits two frequencies simultaneously
- 2 x 3 m connectors
- Conductive ground rod



Part No.	80731

Ridgid® Model 510 Transmitter

- 10 W variable power
- 5 Frequencies
- LCD screen provides instant visual feedback on line resistance, current flow and power
- 2 x 8 m leads allow for extending the units leads when needed



Part No.	80732

RIDGID® LOCATOR ACCESSORIES

Ridgid® Remote Sonde

- Also known as a battery sonde
- Built to handle the toughest locating situations
- Extra durability and wear resistance with a solid steel core
- Abrasion resistant urethane coating and a stainless steel wear ring
- 512 Hz frequency
- LED flashes to indicate transmission
- Attaches to Ridgid® cables to monitor choke positions
- The transmitter operates using one AAA size alkaline battery



Part No.	81027

Ridgid® SeekTech® Signal Clamp

- Fits around 100 mm lines
- LED lights verify operation and ring closure
- Compatible with all Ridgid® SeekTech® locators



Part No.	80733

C.SCOPE® LOCATORS

C.Scope DXL2 Locator Kit

- Complete locating kit includes heavy duty cable locator and transmitter
- Suited for detecting the presence of electrical, telecommunication, water, gas and sewer lines
- Easy to use, designed for contractors and plumbers
- Robust, lightweight and compact receiver
- Receiver and transmitter manufactured to IP65, water and dust proof
- LCD screen with automatic backlight on both transmitter and receiver
- Detachable loud speaker for use in noisy work environments
- Simple to operate fingertip controls
- 4 detection modes for ultimate versatility
  - Power mode quickly detects electricity cables
  - Radio mode will often locate metal pipes and cable
  - Generator mode for use in conjunction with transmitters and sondes
  - All scan mode detects all frequencies up to 33 kHz
- Depth measuring function to not only locate position but also depth of all services
- Supplied in heavy duty carry case for maximum protection
- Sondes, clamps, pipe tracers and plastic pipe tracers available, please enquire

Kit Includes

- Locator
- Transmitter
- Auxiliary earth lead (10 m)
- Earth stake
- Direct connection leads
- Connection magnets

Part No.	80723



C.Scope MXL2 Locator Kit

- Comprehensive location kit with multi-frequency capabilities
- Provides both depth measurement and signal current measurement
- Strong and durable design for maximum service life
- Designed to detect, identify and trace all services including water, gas, electricity and telecommunication
- Multi-frequency transmitter with triple the power output (1 W) of other transmitters
- Rugged case design built to IP65 standard to ensure unit is water and dust proof
- User replaceable wear foot
- Detachable loud speaker for use in noisy work environments
- Auto backlit display in low light
- Robust LCD with clear, easy to read display
- Transmitter is built with storage compartment for all accessories
- Multi-segment LCD display and easy to use push buttons create an easy to use transmitter suited to all applications
- Only requires 8 x AA batteries for locator and 4 x D batteries for transmitter

Kit Includes

- Locator
- Transmitter
- Auxiliary earth lead (10 m)
- Earth stake
- Direct connection leads
- Connection magnets

Part No.	86754



MAGNETIC LOCATORS

Vivax Metrotech™ Ferrous Metal Detector VM880

- Excellent sensitivity
- Audio and visual signal strength indicator
- Lightweight (0.7 kg)
- Ultra strong, submersible carbon fibre antenna tube
- Field polarity indicator
- Up to 26 hour battery life from just 2 x AA batteries
- Continuous battery level indication
- One touch auto sensitivity control with manual incremental control
- Dot matrix LCD with backlight
- Unique screen inversion feature to aid pinpointing
- 60/50 Hz power signal warning
- Improved ergonomics for comfort during prolonged usage
- Soft carry bag supplied as standard

Part No.	81342



LOCATOR ACCESSORIES

Tracer Rod and Reels

- Continuous fibreglass duct roll
- All diameters have a 1 mm copper wire trace and detachable pulling eyes as standard
- Made from pultruded fibreglass strands jacketed with a 1 mm tough polypropylene coating to give a unique combination of strength and durability
- Dispenser units have a hand operated brake for safety and ease of use
- Doughnut style container on 4.5mm x 30m model

Core Size* (mm)	LENGTH (m)	Suits (mm)	Part No.
4.5	30	Up to 50	**82335**
4.5	60	Up to 50	**81632**
4.5	80	Up to 50	**85269**
6	60	50-80	**13825**
6	80	50-80	**81633**
6	100	50-80	**53826**
6	125	50-80	**15332**
9	100	80-100	**58447**
9	125	80-100	**81634**
11	125	100-150	**58042**
11	150	100-150	**57826**
11	200	100-150	**81635**
11	300	100-150	**54906**

**Core size is the overall rod size.*



Tracer Rod Refills

Core Ø (mm)	Length (m)	Pipe Ø (mm)	Part No.
4.5	60	Up to 50	**85861**
6	80	50-80	**85862**
9	100	80-100	**57322**
9	125	80-100	**58205**
11	125	100-150	**57334**
11	150	100-150	**57845**



Spring Leader and Ball Guides

- Screwed on to the end of the rod to assist through tight bends

Suits	Part No.
4 mm rod	**59178**
6-8 mm rod	**85866**



Tracer Rod Roller Guide

- Roller guide to suit 6 and 8 mm rod

Part No.	58711



Balloon Line Carriers

- Shaped like a balloon
- Rigid plastic mouth to keep balloon inflated
- Available in many sizes, please enquire

Size (mm)	Part No.
50	**85021**
100	**85022**
150	**85023**



WATER JETTING

Jetsnake® H5021 Water Jetter

- Ideal for domestic drain cleaning
- Suits 50-150 mm pipe lines

Kit Includes

- GX 690 V-Twin Honda® electric start engine (approximately 26 hp)
- Bertolini® ceramic triplex pump, set to 5000 psi @ 21.5 L/min
- Unique timing belt drive system (Honda® endorsed)
- Compact rolling or skid mount frame (please specify at time of ordering)
- Stainless steel break tank with low water cut-out protection and float valve
- Hour/rev meter and pressure gauge
- Easy access for servicing and maintenance
- Main reel with 60 m x 1/4” (6 mm) high pressure jetting hose
- Nozzle Kit (includes Predator Penetrator, Negotiator Invader, Compressor Penetrator and Reverse Turbo Nozzles)
- Hand lance for wash-down purposes
- Operator instruction manual
- Full 2 year warranty (faulty parts and workmanship)

Part No. 58101



Jetsnake® Colt Water Jetter

- Vanguard engine (31 hp) with vertical exhaust
- Bertolini ceramic triplex pump, set to 4,300 psi @ 31 L/min with soft start and safety valve
- Unique fully engineered suspended timing belt (ESTB) drive system

Kit Includes

- Vanguard engine (31hp) with vertical exhaust
- Hi Quality Ceramic Triplex Pump, set to 4300 psi @ 31 L/min
- Unique fully Engineered Suspended Timing Belt (ESTB) drive system
- Hour/Rev meter and pressure gauge
- 25 L fuel tank
- 200 L poly water tank with low water cut out and drain point
- Easy access for servicing and maintenance
- Manual rewind reel with 120 m x 3/8” (10 mm) high pressure jetting hose
- Manual reel with 50 m x 3/4” (20 mm) supply hose
- Galvanised single axle trailer with spare wheel and LED lights
- Lockable aluminium tool box
- Nozzle Kit (includes: Predator Penetrator, Negotiator Invader, Compressor Penetrator and Reverse Turbo Nozzles)
- Hand lance for wash-down purposes
- Operator instruction manual
- Full 2 year warranty (faulty parts and workmanship)

Part No. 58285

Available upgrades

- Heavy duty electric rewind reel with winching capability and swivel base

Part No. 59562

- Remote controller for engine stop/start and reel rewind

Part No. 57412



Jetsnake® Charger Water Jetter

- Specifically designed for council and utility sector applications
- Extremely powerful jetter for heavy engagement and drain cleaning
- Large water and fuel tanks ensure longer run time and better suitability for operation in remote areas
- Also suited to commercial plumbing contractors or specialised drain cleaning service businesses
- Suits 100-450 mm pipe lines
- Will operate hydraulic root saws up to 230 mm

Kit Includes

- Kohler water-cooled diesel engine (51 hp)
- High quality ceramic triplex pump, set to 4,000 psi @ 45 L/min
- Unique fully engineered suspended timing belt (ESTB) drive system
- Hour meter and pressure gauge
- 40 L fuel tank
- 1000 L poly water tank, UV stabilised with low water cut out, baffles, drain point and air gap filler
- Heavy duty electric rewind reel with winching capability and 180° swivel base fitted with 120 m x 1/2” (12 mm) high pressure jetting hose
- Manual reel with 50 m x 3/4” (20 mm) supply hose
- Galvanised dual axle trailer with spare wheel, LED lights and four wheel electric brakes
- Breakaway braking system
- Dual overguard, lockable aluminium tool boxes
- Hand lance for wash-down purposes
- Operator instruction and maintenance manual
- Full 2 year warranty (faulty parts and workmanship)

Part No.	85614









Spartan Root Cutter Kit 100-225 mm

- 800-2,000 psi operating pressure at 38-57 L/min flow rate
- 12 mm (1/2") shaft
- Can be positioned into lines without having to enter the manhole
- Easy-change skids and blades for quick adjustments in pipe sizes
- Includes 100, 150 and 225 mm (4, 6 and 9") blades and skids



Part No.	53776

JETTER ACCESSORIES

Tiger Tails

- Protects hoses from wear and tear on sharp edges when jetting
- Light and flexible
- High visibility
- Helps prevent trip hazards



Size (mm)	Part No.
80	81253
100	25041

Jetsnake® Trap Spoons

- Essential for the diversion of cables, cameras and jetting hoses off the shaft line
- Strong welded steel construction
- Extension included
- Combined length 3 m



Size (mm)	Part No.
100	59165
150	58942

Jetsnake Potholing Tool

- A high performance hydro-digging tool and Venturi pump combined into one unique unit
- Safe and easy, one person operation
- Will suit any jetter with a flow capacity of above 18 L/min
- Operates to a depth of up to 1500 mm
- Endless applications such as non-destructive hydro-digging, potholing, service probing, post hole digging, pumping muddy water, cleaning of damaged pipe for repair
- May be impractical in some rocky situations

Part No.	58809



Jetsnake Under Road Boring Kit

- Bores a 100 mm hole under paths, drives and roadways using high pressure water power
- Extends easily from 1 to 3 m in 1 m extensions (extends to 8 m with optional extensions)
- High pressure Venturi pump removes sludge, leaving the hole virtually dry
- Negates the need to cut and remove concrete, just go directly underneath it
- Suits most jetters used in the plumbing industry today
- Additional extensions also available



Description	Part No.
Jetsnake Under Road Boring Kit	**59851**
Additional Extensions	**59883**

Adjustable Manhole Roller

- Fixed at the top edge of the manhole for easy guiding of high-pressure hoses
- Easy slide adjustment

Part No.	58572



Whip Hoses

- Ideal for clearing toilets, basins, urinals etc.
- Negotiates smaller pipes and tighter bends easily
- Supplied complete with compressor nozzle

Size	Length (m)	Part No.
3/16”(5 mm)	10	**81701**
3/16” (5 mm)	20	**57764**



Leader Hoses

- Often used in a smaller size to lead into the blockage i.e. 1/4” would be used with 3/8” hose
- Also used in the same size but with different colouring to the main hose to act as a visual warning that the hose end is approaching when rewinding



Size	Length (m)	Part No.
1/4” (6mm)	20	**58511**
3/8”(10mm)	20	**58825**
1/2” (12mm)	3	**58818**
1/2” (12mm)	5	**58921**
1/2” (12mm)	20	**85144**

Jetsnake® Remote Mini Reel

- Lightweight nickel plated frame with ergonomic grip
- Compact yet heavy duty steel reel with lock
- 5,000 psi rated swivel
- 60 m x 1/4” (6 mm) jetting hose
- Ball valve and pressure gauge
- Fully serviceable and all parts replaceable

Part No.	80882





Hand Lance

- Multipurpose wash down gun
- Locking trigger
- Adaptable to quick release
- Light and easy to control
- Dual lance available
- Turbo head can be fitted



Part No.	81699

SONDE AND ADAPTOR

Ridgid® Battery Sonde

- Used with sonde adaptor
- Built to handle the toughest locating situations
- Extra durability and wear resistance with a solid steel core
- Abrasion resistant urethane coating and a stainless steel wear ring
- 512 Hz frequency
- LED flashes to indicate transmission
- Attaches to Ridgid® cables to monitor choke positions
- The transmitter operates using one AAA size alkaline battery



Part No.	81027

Sonde Adaptor

- Six rear jets thrust the Ridgid® Sonde down the drain for quick pipeline tracing and location



Part No.	80876

Hydraulic Root Cutter Kit

- Hydraulic powered root cutter kit complete with saw blades and skids for 100-225 mm pipelines
- High quality, fully serviceable motor
- Heavy duty, replaceable blades
- Ideal solution for large root blockages
- Operates on jetters with flows of 40-60 L/min and pressures of 800-2,000 psi
- Supplied in sturdy steel case
- Larger units are available, please enquire



Part No.	58032

Mustang® Venturi Pump

- Stainless steel venturi pump
- 12 m discharge hose (2 x 6 m)
- Operates with most pressure cleaners/jetters





Part No.	85101

ROOT CUTTING NOZZLES

Warthog® WT Nozzles

- A powerful controlled rotation nozzle for penetrating and root cutting
- Viscous control preserves jet quality for maximum impact and cutting ability
- Suits 80-150 mm pipelines
- Requires 20-40 L/min
- 3/8” (10 mm) inlet
- Please specify flow rate and pressure when placing order
- Regular maintenance is imperative, we recommend the Warthog® Service Kit is purchased with this nozzle

Flow L/min	Part No.
21-23	58531
31-35	59629



Warthog® WS Nozzle

- Supplied with a short leader hose to assist with tighter bends
- Suits 100-225 mm pipelines
- Requires 20-70 L/min
- 1/2” (12 mm) inlet
- Please specify flow rate and pressure when placing order
- Regular maintenance is imperative, we recommend the Warthog® Service Kit is purchased with this nozzle



Part No.	59220

Warthog® WH Nozzle

- Available with either 1/2 or 3/4” (12 or 20 mm) inlet ports (please specify when ordering)
- Suits 150-450 mm pipelines
- Requires 40-170 L/min
- Please specify flow rate and pressure when placing order
- Regular maintenance is imperative, we recommend the Warthog® Service Kit is purchased with this nozzle



Part No.	58501

Warthog® WG Nozzle

- Suits 200-1,000 mm pipelines
- Requires 190-300 L/min
- 1” (25 mm) inlet
- Please specify flow rate and pressure when placing order
- Regular maintenance is imperative, we recommend the Warthog® Service Kit is purchased with this nozzle



Part No.	59180

Enz® HRH Semi Radially Rotating Nozzles

- Fitted with 4 rotating cutting jets set at 45°
- Effective and cost efficient root cutting
- Ideal for fine hair root removal
- Very popular and widely used nozzle



Size	Flow L/min	Part No.
3/8” (10 mm)	12	58821
1/2” (12 mm)	20	58820

MUSTANG™ ROOT RANGER NOZZLES

Mustang™ Root Ranger Single Barrel Nozzles

- Effective and cost efficient root cutting
- Extremely popular
- Wide range of applications


59679


80827


56794

Size	Inlet	Part No.
1/4”(6 mm)	Threaded	59679
1/4”(6 mm)	Quick Release	80827
1/2”(12 mm)	Threaded	56794

Mustang™ Root Ranger Double Barrel Nozzle

- Doubles the power and increases the cleaning capacity of most jetters
- 3/8” (10 mm) threaded inlet, with quick release coupler



Part No. 58533

GENERAL NOZZLES

Mustang™ Predator Penetrator Nozzle

- 1 forward and 3 rear jets
- Great nozzle for initial clean
- 1/4” (6 mm) BSPT threaded inlet



Part No. 80841

Mustang™ Negotiator Invader Nozzle

- 1 forward and 6 rear jets
- Excellent flushing capabilities
- Great nozzle for stormwater drains
- 1/4” (6 mm) BSPT threaded inlet



Part No. 80849

Mustang™ Root Rat Nozzle

- 1 forward, 3 mid and 3 rear jets
- Popular all purpose nozzle
- 1/4” (6 mm) BSPT threaded inlet



Part No. 80837

Mustang™ Beaver Nozzle

- 2 forward and 6 rear jets
- Great for heavy root blockages
- 1/4” (6 mm) BSPT threaded inlet



Part No. 80839

Mustang™ Ferret Nozzle

- 2 front, 3 mid and 3 rear jets
- Premium penetrating performance nozzle for clearing difficult blockages
- 1/4” (6 mm) BSPT threaded inlet



Part No. 54675

Mustang™ Bulldog Nozzle

- 1 front and 2 double size rear jets for maximum thrust
- Ideal for penetrating difficult root and grease chokes
- 1/4” (6 mm) BSPT threaded inlet



Part No. 54673

Mustang™ Grease Ball Nozzle

- 8 rear, tight angle jets
- Unsurpassed cleaning in grease lines
- Also great for cleaning fine root blockages
- 1/4” (6 mm) BSPT threaded inlet



Part No. 55055

Mustang™ Screwdriver Nozzles

- 1 front and 6 rear jets with a specially designed front blade
- Great for breaking through tough tree root blockages
- BSPT threaded inlet

Size	Part No.
1/4” (6 mm)	59145
3/8” (10 mm)	85822



Mustang™ Bandit Nozzles

- 1 front and 6 30° rear jets
- Extremely powerful
- Computer designed for quick penetration of blockages
- BSPT threaded inlet

Size	Part No.
1/4” (6 mm)	81185
3/8” (10 mm)	55047
1/2” (12 mm)	55048



Mustang™ Compressor Penetrator Nozzle

- Suits smaller diameter pipes
- Ideal for tight situations
- 1/8” (3 mm) BSPT threaded inlet

Part No.	80853



Mustang™ Bullet Penetrator Nozzle

- Quick Release
- All stainless steel construction
- Very compact nozzle
- 1/4” (6 mm) BSPT

Part No.	80858



Mustang™ Side Cutter Predator Screwdriver Nozzle

- 1 forward and 2 rear jets
- CAD designed
- Blade rips root and debris apart
- 1/4” (6 mm) BSPT

Part No.	54671



Enz® Penetrator Nozzles

- High quality, compact and sturdy
- Ceramic jets ensure higher efficiency and longer service life
- Threaded inlet
- Replaceable jets



Size	Forward Jets	Rear Jets	Part No.
3/8” (10 mm)	1	6	58823
1/2” (12 mm)	3	6	58822
3/4” (20 mm)	4	6	55012
1” (25 mm)	4	8	59181

Enz® Grenade Bomb Nozzles

- Heavy yet well balanced for ease of use
- Excellent traction in the bottom half of the pipe
- Effectively removes rubble, sand and soft deposits
- Threaded inlet
- Replaceable jets

58135



Size	Forward Jets	Rear Jets	Part No.
3/8” (10 mm)	1	6	58135
1/2” (12 mm)	1	6	58826
3/4” (20 mm)	1	8	55039
1” (25 mm)	-	10	55040

Enz® Chisel Point Nozzles

- Aggressive penetrator style
- Approximately 30% of flow directed forwards
- Superior penetrating power
- Threaded inlet
- Replaceable jets

59547



Size	Forward Jets	Rear Jets	Part No.
1/4” (6 mm)	3	4	59546
3/8” (10mm)	3	4	59547
1/2" (12 mm)	3	4	58824
3/4" (20 mm)	3	4	55041

Flounder Nozzles

- Specially designed for cleaning culverts, flat pipes and channels
- Great for removing sand, silt and gravel
- Threaded inlet
- Replaceable jets

54681



Size	Forward Jets	Rear Jets	Part No.
1/2” (12 mm)	-	4	54681
3/4” (20 mm)	2	4	55043
1” (25 mm)	4	4	55044

Note: All nozzles available in QuickRelease

NOZZLE KITS

Budget Nozzle Kit – 5 Piece

- Root Ranger nozzle
- Predator Penetrator nozzle
- Negotiator Invader nozzle
- Compressor Invader nozzle with 1/4” (6 mm) adaptor
- Tip cleaner with capsule
- Supplied in a padded and sealed case

Part No.	58509



Quick Release Nozzle Kit – 7 Piece

- Root Ranger complete nozzle
- Predator Penetrator complete nozzle
- Negotiator Invader complete nozzle
- Compressor Invader nozzle with 1/4” (6 mm) adaptor
- Brass quick release coupling
- Hex keys
- Tip cleaner with capsule
- Supplied in a padded and sealed case

Part No. **80883**



Quick Release Nozzle Kit – 15 Piece

- Root Ranger complete nozzle
- Predator Penetrator complete nozzle
- Negotiator Invader complete nozzle
- Compressor Invader nozzle with 1/4” (6 mm) adaptor
- Brass quick release coupling
- Hex keys
- Tip cleaner with capsule
- Supplied in a padded and sealed case



Part No. **80884**

Spartan Warrior Nozzle Kit

- 4,000 psi for ½” hose
- Contains 5 nozzles: closed, open, ‘Q’ and a genuine Warthog controlled rotation nozzle
- Includes Warthog maintenance items, a nozzle tip cleaner and an impact resistant carrying case
- Suits Spartan Ultimate Warrior Jetter



Part No. **53777**

NOZZLE ACCESSORIES

Quick Release Couplings

- With patented double silt proof O-ring





Size BSPT	Type	Part No.
1/4” (6 mm)	Stainless Steel	**80865**
1/4” (6 mm)	Brass	**81045**

Male Connectors

80866

- With hex key broach
- Adapts various nozzles to quick release



Size	Style	Adapts	Part No.
1/8” (3 mm)	Standard	Compressor Nozzles	**80866**
1/4” (6 mm)	Standard	1/4” (6 mm) Nozzles	**81046**
1/4” (6 mm)	Short	1/4” (6 mm) Female Fittings	**81047**
1/4” (6 mm)	Stubby	Root Ranger Nozzles	**81048**

Female x Male Connectors

- Adapts male threads to quick release

Size	Part No.
1/8” (3 mm)	**80867**
1/4” (6 mm)	**81049**



81049

Compressor Adaptor

- Joins the compressor nozzle hose tails
- 1/8 x 1/4” (3 x 6 mm)



Part No. **80868**

Bullet Blank

- Used to join the compressor nozzle to the quick release adaptor
- Hex key broach
- 1/8” (3 mm)



Part No. **80869**

Medical Alert Key Ring

- Work Cover approved capsule with medical alert inside



Part No.	80871

PVC Wear Cones

- Fits to quick release nozzles to protect couplings from wear damage

Size	Part No.
1/8” (3 mm)	80873
1/4” (6 mm)	81050



Tip Cleaner

- For cleaning all nozzles
- Includes protective screw top capsule



Part No.	80874

Warthog® Service Kits

- Recommended for use with all Warthog® nozzles
- Note, other size kits available, please enquire



Size	Suits Model	Part No.
3/8” (10 mm)	WT	58077
1/2” (12 mm)	WH	85014
1/2” (12 mm)	WS	86417

Mustang™ Blade Cutter

- Stainless steel fully welded construction with strengthening webs
- Adapts quickly to the Root Ranger nozzles
- Allows operator to determine whether complete root clearance has been achieved, particularly useful in 150 mm lines
- Fits around all 100 mm bends, gullies, boundary traps etc.



Part No.	80832

JETTING HOSE, FITTINGS & TOOLS

High Pressure Jetting Hose

- Rugged, reliable, high pressure hose specifically designed for sewer cleaning applications
- Poly-olefin tube provides maximum resistance to hydrolysis
- High tensile polyester fibre reinforcing
- Exceptionally low volumetric expansion rate
- Cut, abrasion and fungus resistant polyetherurethane hose outer cover
- Superior wear resistance
- Outstanding flexibility ensures suitability even in tight bends



Size	Length (m)	Part No.
3/16” (5 mm)	60	81413
1/4” (6 mm)	60	81346
3/8” (10 mm)	60	81416
3/8” (10 mm)	120	81405
1/2” (12 mm)	120	57357
3/4” (20 mm)	120	58677
3/4” (20 mm)	150	55031

Swage Connectors

- Designed for use with manual hose swaging tools
- Ideal for onsite repairs
- Other sizes available, please enquire



Female x Swage Connectors

Female Size	Tail Size	Part No.
1/4” (6 mm)	3/16” (5 mm)	57762
1/4” (6 mm)	1/4” (6 mm)	85974
3/8” (10 mm)	3/8” (10 mm)	85034



Male x Swage Connectors

Male Size	Tail Size	Part No.
1/8” (3 mm)	1/8” (3 mm)	80878
1/4” (6 mm)	3/16” (5 mm)	81052
1/4” (6 mm)	1/4” (6 mm)	81255
3/8” (10 mm)	1/4” (6 mm)	59604
3/8” (10 mm)	3/8” (10 mm)	81216

Swaging Tool

- Suited for all maintenance plumbers that require on-the-spot hose repair
- Extremely high quality, cast alloy tool
- Loose winding handle for easy storage
- Coarse screw for fast operation
- Pushers and dies also available separately

Part No.	80879



Shown fitted with pusher in place

Crimp Connectors

- Designed to be fitted hydraulically by hose repair technicians



86320

Female x Crimp Connectors

Female Size	Tail Size	Part No.
1/4” (6 mm)	1/4” (6 mm)	**85670**
1/4” (6 mm)	3/8” (10 mm)	**86320**
3/8” (10 mm)	3/8” (10 mm)	**55035**
1/2” (12 mm)	3/8” (10 mm)	**86343**
1/2” (12 mm)	1/2” (12 mm)	**55036**



58932

Male x Crimp Connectors

- Note: Other sizes of hose, hose fittings, swage and crimp fittings are available, please enquire

Male Size	Tail Size	Part No.
1/4” (6 mm)	1/4” (6 mm)	**58932**
1/4” (6 mm)	3/8” (10 mm)	**58931**
3/8” (10 mm)	3/8” (10 mm)	**55038**
3/8” (10 mm)	1/2” (12 mm)	**55037**
1/2” (12 mm)	1/2” (12 mm)	**86344**

Unloader Valves

- Prevents hoses from being over pressurised
- Serviceable and easy to replace

Rating (psi)	Part No.
5000	**58080**



Ball Valves

- Extremely high pressure carbon steel valve
- Will handle pressures up to 10,000 psi



Size	Part No.
3/8” (10 mm)	**81459**
1/2” (12 mm)	**59005**

Ball Valve Handle

- Long, strong cast handle
- Adapts valves for better control and easier adjusting



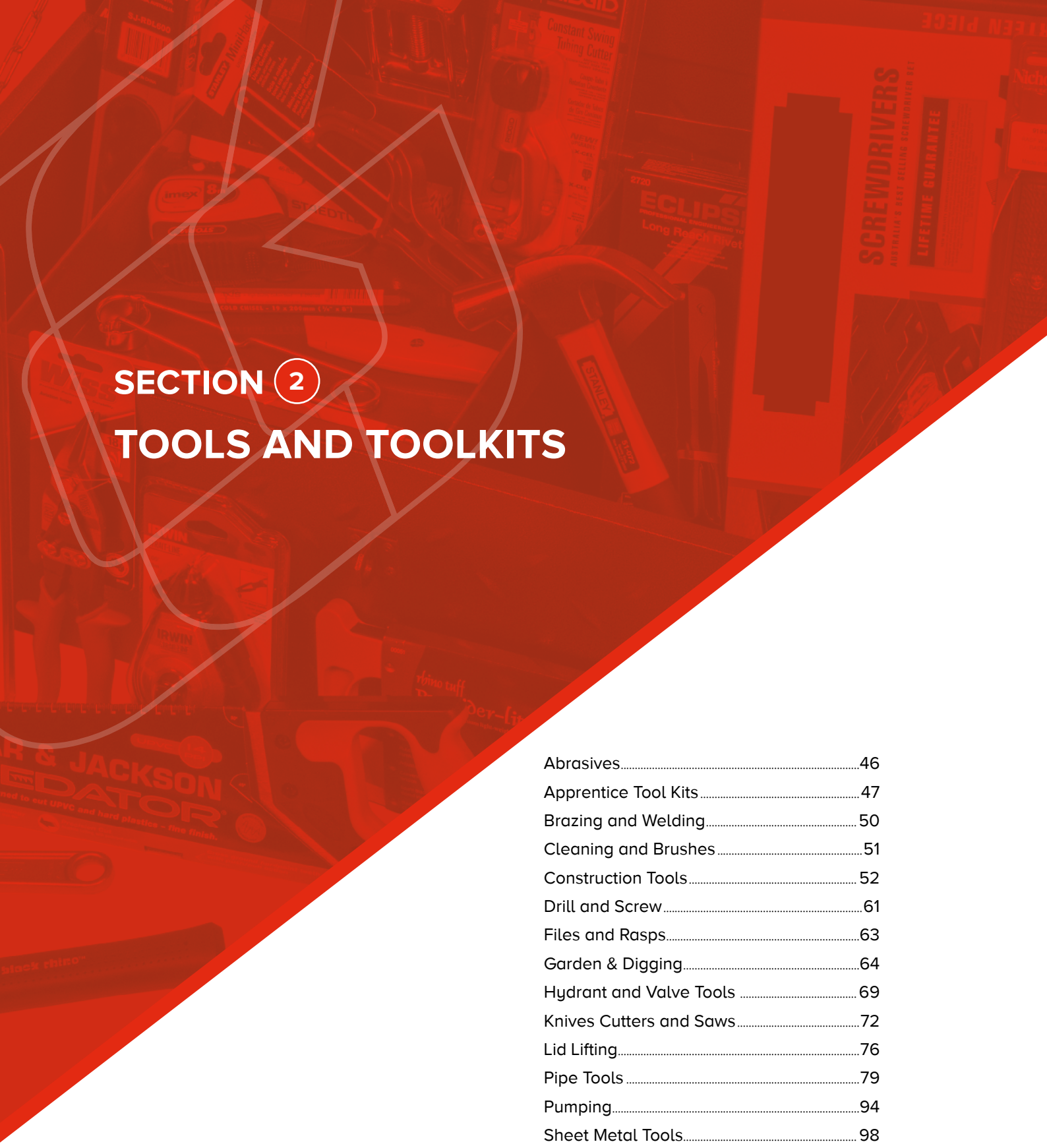
Part No.	80875

Pressure Gauge

- Suits most jetter and reel applications
- 6,000 psi



Part No.	80881



SECTION 2

TOOLS AND TOOLKITS

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ABRASIVES

SPECIAL PURPOSE BLADES

OX Rippa Karbite Blade

- Fast cutting and long lasting blade
- Carbide clustered, bidirectional multipurpose blade
- Clusters are welded on to reduce friction and vibration whilst in use
- Cuts almost everything (except concrete)
- I deal for timber, plastic, rubber, tree roots, nails, reinforcing etc.
- 25.4 mm bore (20 mm with bush)

SIZE (mm)	PART No.
350	85489
400	54561



Ridgid® Cut Off Saw Blade

- Carbide tipped blade for use with Ridgid®
- Model No. 614 Cut Off Saw
- Clean, fast cutting of timber, copper, plastic and steel
- No cutting liquid required
- 350 mm Ø with 25.2 mm bore

PART No.	59348



SUPERIOR DIAMOND BLADES

- Highly recommended, widely used and very popular blades
- Cuts granite/stone, reo bar, steel, bricks, tiles, concrete and ductile iron
- Guaranteed to cut all construction materials
- Can be used wet or dry
- Very smooth, fast cutting
- Outstanding wear capabilities
- Ideal for DICL and CICL pipes
- Note: 225- 400 mm blades are supplied with an insert bush to allow use on both 22.2 and 25.4mm machines.



TYPE	SIZE (mm)	BORE (mm)	PART No.
MPS	100	16.0	81154
MPS	115	22.2	58676
MPS	125	22.2	81155
MPS	150	22.2	81156
MPS	175	22.2	81157
MPS	225	22.2/25.4	81158
MPS	250	22.2/25.4	81168
MPSS	300	22.2/25.4	81169
MPSS	350	22.2/25.4	81100
MPSS	400	22.2/25.4	57362

HUSQVARNA® DIAMOND BLADES

- Easy and efficient operation, even with heavily reinforced concrete
- Great performance and high cutting speeds
- Smooth and stable cutting without vibrations
- Good balance between investment cost and cost per cut
- Long service life



Husqvarna Concrete Diamond Blade



Husqvarna Concrete Diamond Ring Saw Blade

Husqvarna® Concrete Diamond Blades

SIZE (mm)	BORE (mm)	SUITS SAW Model	PART No.
350	22.2	K750	57823
400	22.2	K960	58481

Husqvarna® Concrete Diamond Ring Saw Blade

SIZE (mm)	SUITS SAW MODEL	PART No.
350	K960	59419

APPRENTICE TOOLKITS

MAXI 100 APPRENTICE TOOL KIT

- Empire 230 mm (9”) Torpedo Level
- Footprint 300 mm (12”) Wrench
- 457 mm (18”) Stillson Wrench
- 300 mm Combination Square
- OX Silicone Gun
- OX Chalk Line and Reel
- OX Blue Chalk
- 175 mm Gauging Trowel
- OX Builder Pencil 10 Pack with Sharpener
- Predator Pipe Saw Plastic
- 20 oz Claw Hammer
- Stanley Mini Hacksaw
- Stanley Sliding Plastic Bevel
- Stanley 300 mm (12”) Adjustable Wrench
- Stanley 14 Piece Screwdriver Set
- Storm 8 m Tape Measure
- Ridgid 240 mm (9½”) Multigrips
- Ridgid 32 mm (1¼”) Basin Wrench
- Ridgid No.150 Tube Cutter
- Ridgid 12 mm (½”) Bender
- Wiss Right Cut Tinsnips (Green)
- Wiss Left Cut Tinsnips (Red)
- S&J 600 mm Aluminium Level
- S&J Long Nose Pop Riveter
- 10” Half Round Wood Rasp
- 19 mm (¾”) Cold Chisel
- 10 Pocket Construction Tool Bag
- Fibreglass 1.36 kg (3 lb) Lump Hammer
- Inspection Mirror
- Telescopic Pick Up Tool
- Long Nose Pliers
- 32 mm Scissor Shear
- 25 mm (1”) Wood Chisel with Strike Cap
- Flint Gun
- Standard Hacksaw
- Utility Fluoro Knife
- All supplied in a super tough purpose built tool box

PART No.	54410



MAXI 250 APPRENTICE TOOL KIT

- Empire® 9” Torpedo Level
- Irwin® 18” Stillson Wrench
- Irwin® 300 mm Combination Square
- OX® Silicone Gun
- OX® Chalk Line and Reel
- OX® Blue Chalk
- OX® 175 mm Gauging Trowel
- OX® Builder Pencil 10 Pack with Sharpener
- Stanley® 20 oz Claw Hammer
- Stanley® Mini Hacksaw
- Stanley® Sliding Plastic Bevel
- Stanley® 12” Adjustable Wrench
- Stanley® 14 Piece Screwdriver Set
- Storm® 8 m Tape Measure
- Ridgid® 9½” Multigrips
- Ridgid® 1¼” Basin Wrench
- Ridgid® No.150 Tube Cutter
- Ridgid® ½” Bender
- Wiss® Right Cut Tinsnips
- Wiss® Left Cut Tinsnips
- S&J 600 mm Aluminium Level
- S&J Long Nose Pop Riveter
- 10” Half Round Wood Rasp
- Cold Chisel ¾”
- 11 Pocket Construction Tool Bag
- Fibreglass 3 lb Lump Hammer
- Inspection Mirror
- Telescopic Pick Up Tool
- Long Nose Pliers
- 32 mm Scissor Shear
- 1” Wood Chisel with Strike Cap
- All supplied in a super tough purpose built tool box!

PART No. **15341**



PROSPEC® APPRENTICE PLUMBERS GENERAL KIT

Kit Includes

- Strait-Line® Chalk Line Reel
- Cold Chisel 25 mm
- 3 Piece Wood Chisel Set
- Flat Bastard File
- Standard Hacksaw
- Fibreglass Handle Claw Hammer 500 g (20 oz)
- Fibreglass Handle Lump Hammer 1.3 kg (3 lb)
- Imperial Hex Key Set
- Metric Hex Key Set
- Inspection Mirror
- Stanley® Classic Utility Knife
- Aluminium Box Style Level 600 mm
- Ridgid® Torpedo Level
- Multigrips (Water Pump Pliers) 240 mm
- Combination Blunt Nose Pliers
- Long Nose Pliers
- Crescent® 13 Piece Screwdriver Set
- Poly Scissor Shears 32 mm
- Silicone Gun
- Combination Square 300 mm
- Stringline, Fluoro Pink 100 m
- Imex™ Storm Metric/Imperial Tape Measure 8 m/27’
- Gauging Trowel
- Spear and Jackson® Predator Wood Saw 500 mm 8 TPI
- Irega® Adjustable Wrench 200 mm
- Irega® Adjustable Wrench 300 mm
- Standard Footprint® Wrench 300 mm
- Straight Alloy Stillson Wrench 450 mm
- Large Plastic Toolbox

PART No. **58475**



PROSPEC® APPRENTICE PLUMBERS TUBING KIT

Kit Includes

- Basin Wrench 32 mm (1¼")
- Ridgid® Close Quarters Tube Cutter Model No. 104
- Ridgid® Constant Swing Tube Cutter Model No. 150
- Ridgid® Lever Style Model No. 408 Bender 1/2"
- Ridgid® Lever Style Model No. 312 Bender 3/4"
- Ridgid® Model S6 Expander Kit ½-1"
- Wiss® Left Cut Tinsnips
- Wiss® Right Cut Tinsnips

PART No. **58489**



RIDGID® APPRENTICE PLUMBERS KIT

Kit Includes

- Basin Wrench 32 mm (1 ¼")
- Ridgid® Close Quarters Tube Cutter Model No. 104
- Ridgid® Constant Swing Tube Cutter Model No. 150
- Heavy Duty Cast Stillson 350 mm
- PVC Scissor Shears 42 mm
- Ridgid® Lever Style Model No. 408 Bender ½"
- S6 Expander Kit
- Bonus Plumber's Tool Bag

PART No. **81821**



RIDGID® JUMBO PLUMBERS KIT

Kit Includes

- Basin Wrench 32 mm (1 ¼")
- Ridgid® Close Quarters Tube Cutter Model No. 104
- Ridgid® Constant Swing Tube Cutter Model No. 150
- Heavy Duty Cast Stillson 350 mm
- Adjustable Wrench 250 mm
- Flaring Tool Model No. 458R
- Pro-Arc Hacksaw No. 212
- Multigrips (Water Pump Pliers) 240 mm
- Plastic Pipe Shears PC-1375
- Ridgid® Lever Style Model No. 408 Bender ½"
- Ridgid® Model S6 Expander Kit ½-1"
- Bonus Plumber's Tool Bag

PART No. **85991**



BRAZING AND WELDING

Oxy Kit

- High quality, comprehensive kit suited to professional plumbers and industrial contractors
- Ideal for all general purpose plumbing applications
- All included in robust purpose built case

KIT INCLUDES

- Cutting attachment
- Blowpipe
- 2 x Regulators
- 5 x Welding tips no. 8, 10, 12, 15, 20
- 3 x Cutting nozzles no. 8, 12, 15
- 10 m Hose
- Tip cleaning set
- Flint lighter
- Pair oxy goggles
- Multi purpose spanner
- Pair of flashback arrestors



TYPE	PART No.
Oxy/Acetylene	11792
Oxy/LPG	52702

Inspection Mirror

- Compact and versatile
- Ball joint swivel attaches mirror to shaft
- 50 mm Ø mirror
- Extendable handle from 200 to 355 mm
- Includes extendable magnet pick up to



PART No.	15305

Soldering Heat Mat

- Protection for all surfaces when soldering up to temperatures of 750°C
- Completely asbestos-free (use with Heat Deflector Guard for best results at higher temperatures)
- Size 300 x 300 mm

PART No.	59634



Silver Solder - Standard

TYPE	PART No.
2% – 1 kg	58360
5% – 1 kg	59465



Silver Solder - Flux Coated

- 45% – 1 kg

PART No.	58113

Flux

- Eziweld 602
- 250 g

PART No.	57954



La-Co® Cool Gel®

- Helps prevent heat damage to components and surrounding materials during soldering, brazing and welding
- Protects painted and finished surfaces from discolouration due to adjacent torch operations
- Unique gelled formula sticks to surfaces without dripping or running off
- Clear, nonstaining gel leaves no residue, eliminating clean up
- Safe, nontoxic, harmless to skin and odourless
- Reduces danger of fire to surrounding surfaces such as rubber and plastic seals and gaskets
- Convenient trigger spray
- 473 mL bottle

PART No.	86030



CLEANING AND BRUSHES

BROOMS

Road Brooms

- Open frame head
- Extra Tuff® polypropylene fill
- Used by roadmakers, council and all outdoor workers
- Supplied complete with handle
- Also available with crimped wire or wire polymix fills, please enquire

Width (mm)	Part No.
350	13275
600	85633



Yard Broom

- Heavy duty polypropylene fill
- Ideal for roadways, asphalt and rough concrete
- Supplied complete with handle and stays
- 400 mm wide

PART No.	41795



Pathway Brooms

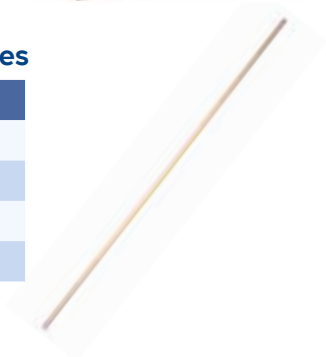
- Java mix fibre fill
- Ideal for general purpose floors and concrete sweeping
- Supplied complete with 1.5 m handle and stays

Width (mm)	Part No.
450	59448
600	85841
900	58381



Timber Broom Handles

Size	Part No.
22 x 1800	81210
25 x 1800	78385
30 x 1800	78565
25 x 2400	75836



BRUSHES

Channel Scrubs

- Special wide spread scrub
- Ideal for scrubbing and cleaning down sewer and drain channels
- 225 mm wide with 25 mm shaft hole
- Can be supplied fitted with stays and handles, please enquire

Fill	Part No.
Bassine	74561
Nylon	22081
Wire	22071

74561





22081



22071

Wire Brushes

- Ideal for clean-up of scale, dirt etc. from fittings and welds
- Quality timber handle

Size	Part No.
3 Row	20105
5 Row	13305



Wire Brush with Scraper

- 4 row
- Contoured handle grip
- Heavy duty scraper
- Sturdy, quality plastic construction

PART No.	13325



BUCKETS

Rubber Bucket

- Recycled rubber construction
- Virtually indestructible
- Heavy duty steel swing handle
- Ideal for removing rubble and general cleaning up
- 10 L capacity

PART No.	13335



Magno Bucket

- Non slip, heavy duty rubber material
- Contoured base fits corrugated iron profile
- Super strong magnet moulded into base holds bucket firmly on angles up to 40°
- Ideal for roofers, can be used to carry tools, rubble, screws and waste material, excellent for gutter cleaning operations

PART No.	13339



CONSTRUCTION TOOLS

ICS® Utility Diamond Chainsaw

- Cuts ductile iron, cast iron, PVC, HDPE pipes and insituform pipe lining
- Easily adapted to cut concrete and general masonry
- Narrow deep cutting up to 400 mm (16”)
- Ideal for cutting small openings
- 94 cc, 2 stroke petrol engine
- Reduces excavation required around pipes to access cut point
- Extremely labour efficient and easy to use
- Improved operator safety due to the absence of gyroscopic rotation, allowing easier cutting control



PART No.	55258

ICS® Utility Diamond Chainsaw – Hydraulic

- Redesigned rear handle offers improved ergonomic cutting and greater durability
- 3 scratch resistant bubble levels for more accurate vertical and horizontal cutting
- New drive sprocket design allows for quick replacement in the field
- Universal motor across 890 series saw platforms and compatible with ICS 880 series saw
- Available with 30 cm and 2.5 m hoses, 1 cm quick disconnects included for convenience
- New secondary water shut off valve for flow metering and water conservation



PART No.	10173

ICS PARTS AND ACCESSORIES

Chainsaw Chains

Type	Part No.
Concrete	56325
PowerGrit	56369



Chainsaw Bars



56842

Size (mm)	Suits	Part No.
330mm	ICS 814	54151
405mm	ICS 880 F4	53909
500mm	ICS 880 F4	10171
405mm	ICS 695GC	56842

Chainsaw Part, Drive Sprocket ICS 695



PART No.	53871

Chainsaw Filter, Air ICS



PART No.	53869

Chainsaw Filter, Fuel ICS



PART No.	53870

Husqvarna K970 Blade Saw

- Cuts up to 145 mm deep with 400 mm blade
- Highly efficient air filtration system
- Inbuilt SmartCarb™ automatic filter compensation
- Engine with X-Torq produces 75% less emissions, 20% lower fuel consumption and more power
- Dura Starter™, the dust sealed cord starter
- Easy to start due to air purge and decompression valve
- Efficient vibration dampening
- Dust extinguishing system (DEX) water saving wet cutting kit for efficient dust management
- Fuel level indicator in tank



PART No.	57298

Husqvarna K970 Ring Saw

- 94 cc petrol powered, air cooled, 2 stroke engine
- 260 mm deep cuts with a 350 mm blade
- Double the cutting depth compared with traditional style saws
- Easy cleaning simplifies service and maintenance
- 4.5 kW of power
- Weight 13.1 kg, without fuel or blade



PART No. 80735

Husqvarna K2500 Blade Saw

- Hydraulically driven, high power output
- Lightweight and user friendly
- Blade brake
- Adjustable motor speed
- Reversible cutting arm
- Great balance for horizontal cutting
- Blade capacity 400 mm
- Water head kit supplied



PART No. 81064

Husqvarna K3600 Ring Saw

- 250 mm cut with a 350 mm blade
- Lightweight and easy to use
- Hydraulically driven, high power output
- Easily adjustable blade and rollers
- Automatic water flow starter
- Adjustable front handles
- Blade mount sealed
- Easy to clean and service



PART No. 81063

ACCESSORIES

Quick Cut Saw Husqvarna K970 Trolley

- Compact and versatile
- Depth control
- Quick mount
- Lateral adjustment



PART No. 85262

Husqvarna Pressurised Water Tank

- Ideal for remote water supply
- Fits all Husqvarna® saws
- Capacity 15 L
- Hose 3 m



PART No. 85208

CONCRETE VIBRATORS

PortaVibe Concrete Vibrators

- Lightweight, balanced and easy to use
- Honda® 4 stroke engine
- Adjustable handle and carry strap
- 9000 vibrations per minute
- 2.8 mm amplitude in air
- Weight 13 kg



Type	Part No.
Hard Nose	59072

Flexi Drive Concrete Vibrators

- High frequency vibration (11,000 vibrations per minute)
- 1.8 mm amplitude in air
- Low speed flex shaft
- Standard flex shaft fits most drive units
- Shaft length 6 m
- Weight 22 kg



Type	Part No.
Hard Nose	57641
Resilient Nose	57642

Flexi Drive Units

- Provides a portable power source for flexible shaft driven submersible pumps and concrete vibrators
- Quick action 60 mm diameter coupling housing, 3 tooth, 44 mm dog drive connection
- 5.5 hp Honda® engine
- Dished steel base for mobility on concrete, mesh and soil
- Low motor oil alert
- Optional spring mounts on Anti-Vibe units provide vibration isolation



Type	Part No.
Standard	57645
Anti-Vibe	67752

HUSQVARNA® DM SERIES DRILLS

Husqvarna DMS 230

- Equally suited for wet or dry drilling
- Lightweight and powerful
- Pistol grip design
- Electronic overload protection prevents motor damage
- SoftStart electronic current limiter ensures a soft start and less load on the electrical system
- Able to be stopped by primary circuit short circuiting
- SmartStart reduces the rpm by 50% when starting a new hole
- Motor protection is provided via Elgard™ and mechanical slip clutch (Elgard™ is an electronic feedback system that indicates to the operator the drill motor is close to stalling)
- 240 V, 50 Hz heavy duty motor
- Standard 1 1/4” UNC drive shaft
- Stand and Carriage DS 150/250
- Maximum Coring Ø 150 mm
- Power 1850 W
- Optional angle base available, please enquire



PART No.	80598

Husqvarna DMS 240

- Electric drill motor and stand system
- Core drilling diameter 250 mm
- Stand is easy to tilt, back support provides reliable and stable angle drilling
- Input power 2400 W
- Voltage 230/110 V
- Amperage 9/20 A
- Spindle speed full load 2 values 184/455 rpm
- Rated output 1500/0 W
- Rated current 9/20 A
- Maximum drill bit diameter 250 mm
- Total weight 23.3 kg



PART No.	48005

CORE DRILLS

OX Professional Wet Diamond Core Drills

- Fast drilling, long life diamond drills
- Supplied with unique water container for accurate positioning and cooling of the diamond tip
- The premium diamond system for drilling porcelain and hard tiles including porcelain, ceramics, granite, glass and quarry
- Quick change 6.3 standard hex shank
- 450 mm long



Size (mm)	Part No.
14	14712
16	88921
18	54652
20	14713
22	14714
24	14716
25	59137
28	14717
36	58082
52	58081
56	59139
62	57414
65	58071
72	57335

Size (mm)	Part No.
76	57184
82	58092
87	14721
92	58072
102	53856
107	14723
112	57310
117	14724
122	57311
127	57330
132	14725
142	14726
152	54368
182	14727

OX Professional Dry Core Drills

- Highest grade steel construction
- Precision engineering
- Slotted core design, efficient dust clearance and core removal
- No segment loss guarantee
- High concentration, self-sharpening segment



Size (mm)	Part No.
22	14718
28	14728
32	14729
38	81241
48	14730
52	81207
65	81208

Size (mm)	Part No.
79	14731
91	14732
102	14733
107	14734
117	81209
127	53618

GENERATORS

Inverter Generators

- Lightweight for output size
- Maximum 50 dB(A) noise level
- Minimum 4 hours running time



59318



58789



14428

MODEL No.	MAXIMUM OUTPUT (W)	RATED OUTPUT (W)	RUN TIME (Approximate h)	WEIGHT (kg)	NOISE (dB(A))	START	Part No.
EU10i	1000	900	4/8*	13	52*/58	Recoil	58796
EU20i	2000	1600	6/15*	21	53*/59	Recoil	58789
EU65is	6500	5500	5.1/12.3*	115	52*/60	Electric	59318

*with eco throttle on 1/4 output

JACK HAMMERS

Hitachi® Jack Hammer

- Low noise and vibration level
- Triple dust sealed, double insulated design
- Comfortable shock absorbing handles
- Robust construction for longer life
- 42 Joules impact energy
- Strong alloy motor housing
- Full load impact, 1400 strikes per minute
- Weight 16.5 kg
- Supplied in sturdy, roller type hard plastic case

PART No.	80809



Parts and Accessories

Description	Part No.
Chisel Bit	85077
Point Bit	58861
Spade Bit	57436



PETROL VIBRATORY RAMMERS

Wacker Vibratory Rammers

- Ideal for base preparations, asphalt patching or repair work on streets and footpaths
- Heavy duty petrol driven engine specifically designed for ramming use
- Single lever control for engine starting, speed adjustment and stopping
- Enclosed air filtration system ensures easy clean out and protection from damage to engine
- Exclusive noise reducing cover lowers engine and shoe noise
- Large capacity corrosion proof fuel tank with selfcleaning filter
- Shock mounted guide handle with padded grips reduces operator fatigue
- Fully sealed, oil lubricated running system
- Long shoe stroke gives excellent compaction
- Auto release choke for safer and easier starting
- Cast aluminium recoil start with oversized durable rope for longer service life
- Integrated muffler wraps around engine for operation close to structures whilst remaining protected



Model No.	Weight (kg)	Engine	Part No.
BS50-4	52	Four Stroke	57336
BS60-2i	62	Oil Injected 2 Stroke	80606
BS60-4	62	Four Stroke	56182

Mikasa™ MT65HA Vibratory Rammer

- Honda® 4 stroke, 3.0 hp engine
- Oil bath lubricated
- Four stage air filtration system
- Can be laid down without damaging engine
- Lower operating noise level
- Reduced engine emissions and fuel consumption compared to 2 stroke engines
- Automatic decompression for easy starting
- Inbuilt air filter into crank case, providing convenient four stage filtration
- Variable compaction, 10.8-12.8 kN
- Plate size 340 mm long x 265 mm wide
- Weight 66 kg

PART No.	57738



Wacker DS70 Vibratory Rammer

- Air cooled 4.1 hp Yanmar® diesel engine
- Speed control and engine shut down are integrated into one multi-functional lever
- Noise reducing cover cuts down noise exposure to operator
- Vibration damped, rubber coated guide handle
- Low centre of gravity helps operator control
- High compaction rate and first class surface compaction
- 670 strikes per minute
- Plate size 336 mm long x 280 mm wide
- Weight 83 kg

PART No.	80808



Mikasa Petrol Rammer MTR-40H

- MTR-40H is balanced to deliver hard hitting compaction whilst ensuring operator comfort through heavy duty handle vibration isolating mounts
- With its slimmed-down body and compact handle, you can easily navigate challenging job sites like the narrow gaps alongside walls and in sewer pipes, or the areas around telephone poles
- 3HP and 4 stroke GX100 Honda motor
- Shoe size: 100x270mm

PART No. **97737**



Mikasa Petrol Rammer MTX-60E

- MTX-60E is balanced to deliver hard hitting compaction whilst ensuring operator comfort through reduced noise and low handle vibration
- 3HP and 4 stroke GX100 Honda motor
- Shoe size: 265x340mm

PART No. **97738**



Mikasa Petrol Rammer MTX-70E

- MTX-70E is balanced to deliver hard hitting compaction whilst ensuring operator comfort through reduced noise and low handle vibration
- 3HP and 4 stroke GX100 Honda motor
- Shoe size: 285x340mm

PART No. **97739**



Mikasa Petrol Rammer MTX-85DYC

- MTX-85DYC 4.7HP Diesel Tamping Rammer
- Perfect for large civil works projects

PART No. **97740**



Mikasa™ MT-76D Vibratory Rammer

- Yanmar® 4.2 hp diesel engine
- Ideal for compacting cohesive and granular soils in narrow or confined areas
- Suited for compacting trenches, backfill and asphalt patching work
- Air filter built into crank case providing 4 stage filtration
- Durable, easy to use, vertical throttle lever
- Corrosion proof, high density polyethylene fuel tank
- Strong honeycomb ribbing strengthens the bellows and protects the shaft from external shock
- Oil bath lubricated
- Variable compaction set by throttle control lever
- Impact force 15.7 kN
- 650-700 strikes per minute
- Plate size 340 mm long x 285 mm wide
- Weight 80 kg

PART No. **59152**



STANDARD PLATE COMPACTORS

Wacker VPH70 Vibration Plate Compactor

- Ideal for compacting sand, gravel, grit, granular materials and segmental brick paving
- Compact design with centrally mounted, fully enclosed exciter
- Sturdy, 4 stroke petrol engine with recoil starter
- Vibration isolated, reversible handle with throttle control
- Conveniently placed lifting handles
- Central lifting point for safe and easy handling
- Operating Weight 77 kg
- Centrifugal Force 20 kN
- Base Plate Size 610 mm long x 460 mm wide
- Engine Manufacturer Honda
- Vibration Frequency 7000 vpm

PART No. **57813**



Wacker Asphalt Plate Compactors

- Typically used for compacting hot and cold asphalt
- Heavyweight cast iron base plate
- Contoured running surfaces and rounded edges for maximum performance and manoeuvrability
- Low vibration guide handle for minimal operator fatigue
- Hardwearing engine shock mounts dampen vibrations and protect the unit's components
- Fully enclosed, lightweight belt drive reduces wear
- Heavy duty, air cooled 4 stroke Honda® engine
- Ergonomically designed lifting handles for easier loading and unloading
- On board water tank (VP1550A)



MODEL No.	ENGINE (hp)	PLATE SIZE (mm)	FREQUENCY (vib/min)	FORCE (kN)	WEIGHT (kg)	PART No.
VP 1135A	4.0	521 long x 350 wide	5800	11.0	62	**56200**
VP 1550A	5.5	588 long x 500 wide	5800	15.0	83	**85487**

REVERSIBLE PLATE COMPACTORS

Wacker Plate Compactors

- Ideal for trenches, landscaping and paving applications
- Versatile, reversible, super tough, ductile iron base plate for easier maintenance and longer service life
- Adjustable guide handle with locking vertical position for easier storage and transport
- Heavy duty frame with lifting eye for ease of placement, particularly in confined spaces or trenches
- Unique, integrated wheels for ease of movement
- Shock mount system provides virtually vibration free handles
- Single lever direction control
- Other larger sizes available, including diesel, please enquire



MODEL No.	ENGINE (hp)	PLATE SIZE (mm)	FREQUENCY (vib/min)	FORCE (kN)	WEIGHT (kg)	PART No.
BPU 2540A	5.5	733 long x 400 wide	5400	25	140	**56209**

Mikasa MVH-R60 Reversible Compactors

- Ideal for tight, confined areas, trench and asphalt compaction
- Honda® air cooled 4 stroke petrol engine
- Hydraulic reversing mechanism with on-the-spot compaction and dead-man device
- Variable forward/reverse speed controlled by single, smooth acting lever
- Twin eccentric rotor gives powerful compaction
- Protective roll frame with integrated lifting point
- Low centre of gravity for greater stability and easier manoeuvrability
- Self-cleaning plate prevents sand or gravel damaging machine
- Operating Weight 62 kg
- Centrifugal Force 15 kN
- Base Plate Size 480 x 350 mm (l x w)
- Engine Honda 4.0 hp
- Vibration Frequency 6000 vpm
- Larger sizes available, including diesel versions, please enquire

PART No. **59020**



AIR TOOLS

A full range of air tools are stocked and serviced by Cadia, please enquire.



POWER TOOLS

A full range of power tools are stocked and serviced by Cadia, please enquire.



Ridgid® Dry Cut Saw

- Features carbide-tipped blades to cut different materials without cutting fluid
- Cuts have no burrs, abrasive dust or heat
- Cuts steel, copper, plastic and wood
- Quick acting vise
- Straight or mitre cuts
- Powerful 15 Amp, 2 hp, 240 V motor
- Cuts up to 130 mm OD pipe with 90° cut or up to 105 mm OD with 45° cut
- Model No. 614



PART No.	80529

Replacement Blade



PART No.	59348

Hitachi® High Speed Cut Off Saw

- Cuts left and right up to 45°
- Sturdy aluminium, double insulated housing
- Spark diversion guard
- Quick lock, super secure vise
- Spindle lock for easy wheel changing
- Externally accessible carbon brushes reduce maintenance time
- Soft-grip ergonomic handle
- Cuts pipe up to 120 mm diameter at 90°
- Also great for round bar, SHS and RHS steel
- Power input 2400 W
- Disc size 355 mm
- Weight 16.5 kg
- Supplied with cut off wheel and wrench



PART No.	85029

POWER TOOL ACCESSORIES

Heavy Duty 4-Way Power Box

- Class H, approved for trade sites
- 4 outlets, each with individual single pole On/Off switch
- Rating 240 V 10 Amp 2400 W
- Inbuilt residual current device (RCD)
- Trip current 30 mA
- Overload protected 10 A
- Manual reset function
- Safety switch and circuit breaker protected





PART No.	59078

Extension Leads

- Heavy duty indoor and outdoor use
- Plug rating 10 amp
- Note, colour may vary depending on stock



Length (m)	Part No.
20	86433
30	59077

Extension Lead Hooks

- Multi-purpose hook
- Non-conductive, strong plastic construction
- Versatile design fits over doors, walls, fences, barricades etc.
- Holds up to 8 leads and up to 50 mm Ø cables
- Ideal for use with electrical leads, cables, hoses and tools



Pack Quantity	Part No.
3	57478
20	81226

Grab Stick

- Ideal for string lines, insulation foil, power leads, holding flashings and sheet in place while drilling, cutting etc.
- Strong magnets for extra holding power
- High visibility orange
- Size 300 mm long x 35 mm wide x 35 mm high



PART No.	58125

Magnetic Uni-Strap

- All-purpose hook, great for leads, ropes, pipes etc.
- Super strong magnet
- UV stabilised plastic
- Used for roofing, guttering, steel fabrication, fix outs etc.



PART No.	59301

DRILL AND SCREW

Plumtool® Step Drill

- Drill steel studwork and steel up to 3 mm thick
- Ideal for drilling overflow holes in rainheads and spreaders
- Drills PVC and plastics without shattering material
- Automatic deburring
- Easy to sharpen
- 5-35 mm Ø
- Many other sizes are also available separately, please enquire



PART No. 59270

Gauging Drill Sets

- Quickly enlarges orifices on gas appliances
- Easy drilling of appliance jets
- Supplied in sturdy plastic case



12713

Set	Drill Sizes	Drill Quantity	Part No.
1	19-39	21	12773
2	19-60	42	12743
3	40-80	41	12713

SCREWDRIVER SETS

Stanley® Cushion Grip Screwdriver Set

- Cushion grip handles for comfort and ease of use
- Chrome vanadium blades with precision ground magnetised tips
- Set include 10 pieces (5 Phillips® and 5 slotted screwdrivers)
- Supplied in sturdy secure storage case
- All drivers are also available separately, please enquire



PART No. 54964

Stanley® Standard Screwdriver Set

- High impact, extruded cellulose acetate handles
- Chrome vanadium blades
- Precision profiled magnetised tips
- Set includes 14 pieces (6 Phillips®, 7 slotted and 1 sheathed standard screwdriver)
- Supplied with clip-in case to securely store items



PART No. 71755

Crescent® Pro Series Set

- Includes most popular screwdrivers that plumbers use
- Blades are made from alloy steel, fully chrome plated with all edges and surfaces precision formed
- Colour coded handles are moulded from tough durable material that is UV and chemical resistant
- Handles have ribbed recess for positive, secure, no-slip grip
- Set includes 13 pieces (8 slotted, 4 Phillips® and 1 sheathed slotted screwdriver)



PART No. 16055

Stanley® Industrial Screwdriver Set

- Specifically designed for industrial applications
- High impact extruded cellulose acetate handles
- Precision profiled magnetised tips
- Chrome vanadium blades
- Set includes 14 pieces (5 Phillips®, 5 slotted, 1 sheathed Phillips®, 1 sheathed slotted, 1 square blade slotted and 1 Tang Thru® slotted screwdriver)
- Supplied with clip-in case to securely store items



PART No. 54965

HEX KEY SETS

Crescent® Folding Hex Key Sets

- Flip and turn feature eliminates the need to reposition tool
- Super strong plastic handle is up to 40% stronger than steel handles
- Comfortable tool to hold



Type	Sizes	Part No.
Metric	1.5, 2, 2.5, 3, 3.5, 4, 5, 5.5, 6mm	**14655**
Imperial	1/16, 5/64, 3/32, 7/64, 1/8, 5/32, 3/16, 7/32, 1/4”	**14625**

Bondhus® Ball End L Wrench Hex Key Sets

- Unique patented ProHold™ Tip
- Allows easy insertion and removal of screw at up to a 25° angle
- Easy to use with high torque shaft
- Tip locks positively into screw
- Ideal for plumbers working in confined areas



Type	Sizes	Part No.
Metric	1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm	**59335**
Imperial	0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8”	**59336**

Specialised Hex Keys

- Suits lamp hole or flushing point covers
- Solid welded Tee Hex Spanner
- Many other sizes are also available separately, please enquire



Size (mm)	Description	Part No.
6	Used on lamp hole covers	**28511**
12	Used on some path taps	**81328**

FILES AND RASPS

- Nicholson® quality since 1864
- Many varied uses depending on file
- Ergonomic soft feel handle for superior user comfort

FILES

Flat Bastard File

- Ideal for general filing on iron and steel
- Length: 200 mm

PART No. 13935



Half Round Bastard File

- Ideal for flat, concave or convex filing on iron and steel
- Length: 200 mm

PART No. 13965



Round Bastard – Rat Tail File

- Ideal for reaming out/filing of circular openings and convex surfaces on iron and steel
- Length: 200 mm

PART No. 13945



RASPS

Half Round Wood Rasp

- Ideal for use on wood and soft metals
- Length: 250 mm

PART No. 13985



Horse Rasp

- Ideal for use on plastics and timber, especially useful for plastic pipe end clean up
- Length: 300 mm

PART No. 13995



ACCESSORY

Cleaning Brush

- Solid timber construction with fine yet strong steel bristles
- Comfortable handle with hang up hole for easy storage
- Ideal for cleaning all hand files and rasps, improving both performance and length of file life

PART No. 86116



GARDENING AND DIGGING

Crow Bars

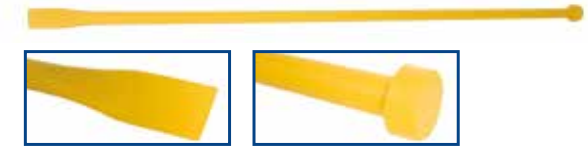
- One-piece drop forged steel
- Point on one end, spade on the other



Size (mm)	Length (m)	Part No.
27	1.6	13015
33	1.6	81217
33	1.8	59831

Spud Bars

- One-piece drop forged steel
- High quality, large spud can be used for tamping
- 50 mm spade for easier root cutting etc.
- 1.6 m length



Size (mm)	Part No.
27	13055
33	13095

Fibreglass Spud Bar

- Ideal for digging around power cables
- Nupla® style fibreglass handle
- Heavy duty forged spade



PART No. 41434

Insulated Spud Bar

- All steel bar
- Full rubber encapsulated handle for superior insulation against electrical shock
- Used when digging around power cables

PART No. 81395

MATTOCKS

Timber Handle Mattock

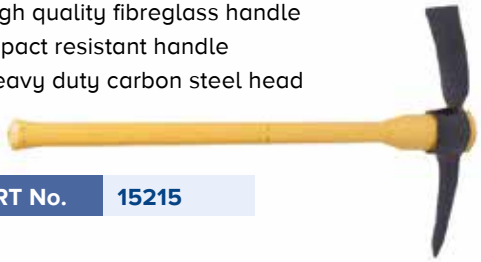
- Cutting style
- Solid hardwood handle
- Heavy duty carbon steel head



PART No. 15245

Fibreglass Handle Mattock

- High quality fibreglass handle
- Impact resistant handle
- Heavy duty carbon steel head



PART No. 15215

PICKS

Timber Handle Road Pick

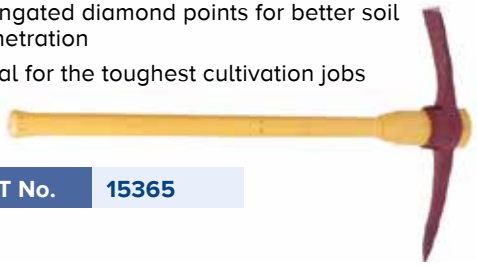
- Versatile point and chisel design
- Fully forged head
- Tapered eye for a secure fit
- Solid hardwood handle, 900 mm long
- Elongated diamond points for better soil penetration
- Ideal for the toughest cultivation jobs



PART No. 80415

Fibreglass Handle Road Pick

- Sturdy Fiber-Pro™ handle, solid core fibreglass with heavy duty tough plastic sheath
- Super strong yet lightweight
- Versatile point and chisel design
- Fully forged head
- Tapered eye for a secure fit
- Elongated diamond points for better soil penetration
- Ideal for the toughest cultivation jobs



PART No. 15365

RAKES

Lawn Rake

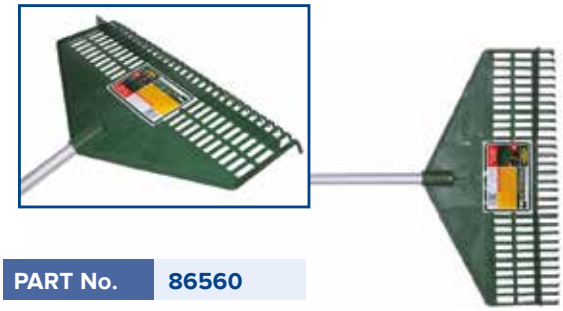
- High quality plastic head and tines
- Long timber handle
- 600 mm wide
- Ideal for all light raking, especially leaves and sand



PART No. 15935

Cyclone® Super Lawn Rake

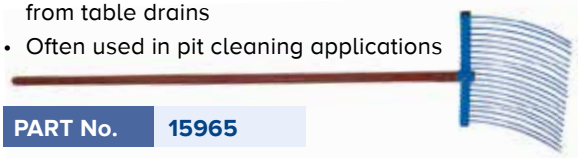
- Large 600 mm wide head to reduce raking time
- Integrated scraping/levelling blade on reverse, ideal for levelling sand and fine gravel
- Heavy duty UV stabilised polypropylene material
- Strong yet lightweight aluminium handle to reduce user fatigue



PART No. 86560

Manure Rake

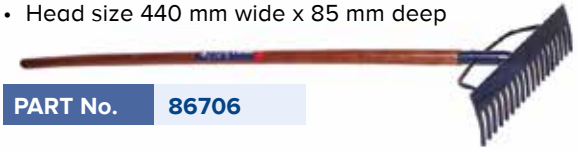
- Sturdy wide, multi-tined head
- Long curving and spring tines for superior raking action
- Unique construction is ideal for clearing dry grass from table drains
- Often used in pit cleaning applications



PART No. 15965

Spear and Jackson® Landscape Rake

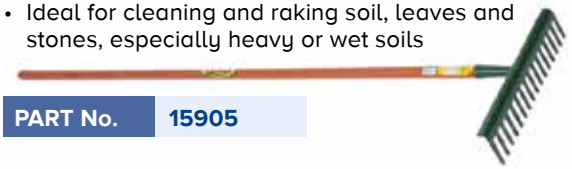
- Powdercoated carbon steel head
- Wide head with sturdy stays for added support
- Spreading bar for fittings and toppings
- Long lacquered hardwood handle
- Head size 440 mm wide x 85 mm deep



PART No. 86706

Cyclone® Landscape Rake

- Heavy duty hot forged steel rake
- Solid one piece head for added strength
- Angled teeth at 30 mm spacing
- Lacquer sealed hardwood handle
- Ideal for cleaning and raking soil, leaves and stones, especially heavy or wet soils



PART No. 15905

Bitumen Rake

- Extra heavy duty rake used for spreading hot asphalt
- Forged from tough, high tensile manganese steel
- Long metal shank for extended life
- Long 1.5 m handle for excellent raking performance and to maintain safe distance from hot asphalt



PART No. 57680

PLUMBERS SHOVELS

Cyclone® Timber Plumbers Shovel

- 2mm boron and titanium treated blade
- Polished, peaked pocket adds strength and improves grip
- Pointed and factory sharpened blade for easy digging
- Ideal for digging drains, trenches, laying pipe and general spreading and shifting
- Premium hardwood handle, lacquer sealed to prevent splintering
- Blade size 290 mm long x 180 mm wide



PART No. 16175

Spear and Jackson® Fibreglass Plumbers Shovel

- 2 mm carbon steel head
- Reinforced steel collar for extra strength
- Long fibreglass shaft with soft grip cap
- Blade size 180 mm long x 285 mm wide



PART No. 86205

POSTHOLE SHOVELS

Spear and Jackson® Timber Posthole Shovel

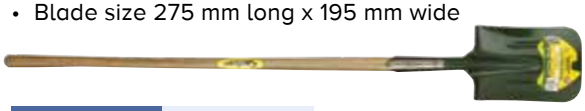
- Heavy duty 2 mm carbon steel head
- Treaded blade
- Reinforced collar ensures secure fitting to handle
- Solid lacquered hardwood handle
- Blade size 275 mm long x 200 mm wide



PART No. 16235

Cyclone® Timber Posthole Shovel

- Lacquer sealed premium hardwood handle
- Reinforcing ribs add strength to 2 mm thick boron titanium treated steel blade
- Factory sharpened and treaded blade for secure footing
- Great general purpose shovel, ideal for digging drains, post holes and general mixing work
- Blade size 275 mm long x 195 mm wide



PART No. 54145

Bonser™ Solid Core Posthole Shovel

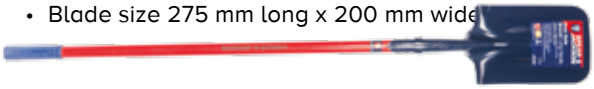
- Strong sturdy carbon steel head with extended socket
- Solid core fibreglass, plastic coated handle, cannot splinter
- Extremely versatile and popular shovel
- Blade size 275 mm long x 200 mm wide



PART No. 81362

Spear and Jackson® Fibreglass Posthole Shovel

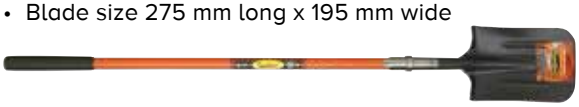
- 2 mm thick carbon steel head creates a robust tool
- Treaded blade with secure foothold
- Reinforced collar securely fixes handle to blade
- High quality fibreglass handle with soft grip cap
- Blade size 275 mm long x 200 mm wide



PART No. 16265

Cyclone® Powertool™ Fibreglass Posthole Shovel

- Ideal for digging postholes, drains, cleaning narrow holes and stormwater pits
- Extra strong, polyester resin bonded fibreglass handle with non-slip rubber grip
- 2 mm thick blade cut from boron and titanium treated steel
- Super strong steel reinforcing collar
- Blade size 275 mm long x 195 mm wide



PART No. 54175

Spear and Jackson® Posthole Pincer Shovel

- Mild steel tubular handles
- Unique pincer-type action
- High strength 2.5 mm heat-treated blade
- Ideal for cleaning out holes, pits and underground boxes
- Also available with fibreglass handle
- Blade size 230 mm long x 120 mm wide



PART No. 16355

ALL STEEL SHOVELS

D-Handle All Steel Shovels

- All steel, pressed and welded construction
- Distinctive blue powder coated
- Strong D-handle grip for easy shovelling
- Blade size 300 mm long x 250 mm wide



Type	Length (mm)	Part No.
Standard	900	16116
Long Handle	1200	16115

Long Handle All Steel Shovel

- Solid pressed and welded all steel construction
- Soft feel rubber gripped handle
- Distinctive blue powder coated
- Ideal for all concreting, shifting and mixing jobs
- Blade size 300 mm long x 250 mm wide



PART No. 80790

DIGGING SHOVELS

Spear and Jackson® D-Handle Timber Digging Shovel

- 2 mm carbon steel head
- Reinforced collar adds strength
- Strong hardwood handle with soft grip D-handle
- Compact for the easy shifting and shovelling of all materials
- Blade size 320 mm long x 285 mm wide



PART No. 58698

Truper® Trubuilt Digging Shovel

- Heavy duty American hard oak handle
- Tempered carbon steel blade with tread plates
- Lightweight shovel, great for digging, exposing pipes, pits and valves
- Smaller shallow head for rapid digging
- Blade size 255 mm long x 210 mm wide



PART No. 41815

Ridgid® Digging Shovel

- Great for digging, scooping and clearing pits as well as unearthing pipes
- Heavy tempered blade with extended socket for extra heavy duty work and wear
- Northern Ash handle for strength and durability
- Multiple rivets keep handle secure
- Blade size 285 mm long x 220 mm wide



PART No. 16245

Cyclone® Timber Digging Shovels

- Ideal for digging, shifting and loading compact materials
- Boron and titanium treated, 2 mm steel blade
- Polished peaked socket adds strength and improves comfort
- Treaded blade for added pressure
- Long hardwood, lacquered, splinter proof handle



Type	Blade Size (mm)	Part No.
Small	280 long x 280 wide	75675
Medium	300 long x 285 wide	86206

Ames True Temper® Viper Digging Shovel

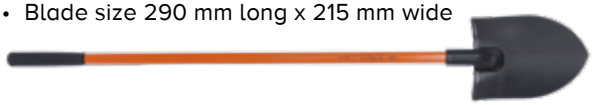
- Round point digging shovel ideal for all digging applications
- Long (1200 mm) innovative triangular solid core fibreglass handle aids strength and ergonomic use
- Deep blade with tread plates ensure maximum digging potential
- Dual durometer grip inside ply sleeve, provides a barrier between handle and grip
- Soft cushioned grip provides added comfort and control of forces
- Extended steel socket adds maximum strength to handle/socket connection
- Blade size 300 mm long x 220 mm wide



PART No. 16385

Nupla® Non-Conductive Shovel

- Certified to IEC60900 and ASTM F1505
- Individually tested to 10,000 volts, each tool serialised
- Non-conductive solid Nuplaglass® handles, coloured safety orange
- Patented Power Pylon closed back blade provides stronger shovel capable of more payload than comparable shovels
- Ideal for plumbers or contractors working in the vicinity of high voltage cables
- Blade size 290 mm long x 215 mm wide



PART No. 54979

SHIFTING SHOVELS

Spear and Jackson® Timber Shifting Shovels

- 2 mm thick heavy duty carbon steel head
- Long hardwood handle, lacquered and splinter proof
- Strong extended reinforced collar
- Ideal for all shifting and transfer applications



Type	Size (mm)	Part No.
Small	280 long x 230 wide	16145
Medium	315 long x 256 wide	86210

Trubuilt Timber Shifting Shovel

- Heavy duty, American Oak handle, 1100 mm long
- Tempered carbon steel blade with treads
- Smaller head for rapid work
- Lightweight shovel ideal for shifting sand, gravel and silt off concrete and paving
- Blade size 270 mm long x 225 mm wide



PART No.	86038

Cyclone® Timber Shifting Shovels

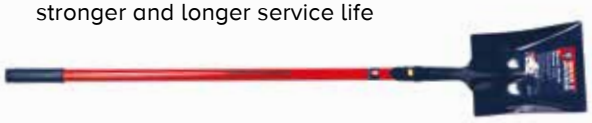
- Perfect for shovelling heavy soils, sand, gravel and backfill
- Long lacquer sealed hardwood handle for improved leverage and lift
- Extremely tough 2 mm boron and titanium steel blade
- Polished peaked socket for added comfort
- Australian made



Type	Size (mm)	Part No.
Small	280 long x 225 wide	86207
Medium	315 long x 256 wide	86208

Spear and Jackson® Fibreglass Shifting Shovels

- Strong, sturdy, long fibreglass handle with soft feel rubber grip
- Heavy duty 2 mm carbon steel head
- Reinforced collar and socket for secure fixing of handle
- Great for commercial contractors requiring stronger and longer service life



Type	Size (mm)	Part No.
Small	280 long x 230 wide	16415
Medium	315 long x 256 wide	86219

TRENCHING SHOVELS

Cyclone® Timber Trenching Shovel

- Treaded, reinforced, sharpened blade allows easier digging
- Unique turned edge ensures soil is retained
- Premium lacquer sealed Australian hardwood handle
- 2 mm boron and titanium steel blade with polished peaked socket
- Ideal for all narrow trench and drain digging
- Blade size 285 mm long x 110 mm wide



PART No.	16475

All Purpose Shovel Cyclone® Farmers Friend Shovel

- 2 mm thick boron and titanium treated steel blade with reinforcing ribs
- Unique square end blade for better pick up
- Treaded sharpened blade for easy digging
- Premium Australian hardwood handle, lacquer sealed to prevent splintering
- Ideal for all general-purpose digging, shifting, shovelling, spading, spreading and mixing
- Blade size 300 mm long x 245 mm wide



PART No.	57337

Replacement Shovel Handles

Type	Suits	Part No.
Fibreglass	Posthole shovels with fibreglass plastic handle	81484
Timber	Most shovels	78535
Ridgid®	Ridgid® shovel	16325



HYDRANT AND VALVE TOOLS

Prospec® Hydrant Stopper

- Solid steel construction
- Temporarily seals leaking or faulty hydrants
- Suits most styles of spring hydrants
- High grade rubber to ensure perfect seal



Hydrant Stopper in use



PART No.	11012

Replacement Rubber

- Suits all stoppers



PART No.	74112

SCOURING KEYS

Stainless Steel Scouring Key

- Easy to use
- High pressure hydrant box cleaning
- Solid construction using high grade stainless steel
- Swivel mushroom cap, providing better contact with hydrant head
- Adjustable cleaning plate
- Replacement caps available





PART No.	10922

Brass Scouring Key

- All brass construction
- Lightweight
- Easy to use
- Used for hydrant box cleaning



PART No.	81372

VALVE TOOLS

Path Tap Key

- Forged head for extended lifetime
- Screwdriver tip on the handle is ideal for cleaning key slots and prising cover lids
- Used to operate ferrule cocks, particularly in below ground applications
- Head fits most styles of square head ferrules
- Also used to operate a hydrant test point (Part no. 59902)



PART No.	12272

Gas Path Tap Key

- Used for square head gas ball valves



PART No.	59028

STOP VALVE KEYS

SETS

Heavy Duty Forged

- Opens and closes square head stop valves
- Ideal for stiff or hard to operate valves
- Forged from high grade steel
- Solid 27 mm diameter key stem for maximum torque
- Chisel end on key bar to lift access lids
- Set includes 1 x key and 1 x flushing bar
- Custom made keys available upon request





Description	Part No.
Key and bar set (0.9 m key)	11402
Key and bar set (1.2 m key)	57833
Key and bar set (1.5 m key)	85643

Heavy Duty Galvanised – Hollow stem

- Suits most square head valve applications
- Lightweight yet strong and capable of a high level of torque
- Heavy duty forged ends
- Hot dip galvanised for superior protection from rust or corrosion



Size (m)	Part No.
0.9	11405
1.2	11407
2.0	11406

KEYS

Standard Keys

- Forged from high grade steel
- Solid 27 mm diameter key stem for maximum torque
- Custom made keys available upon request



Length (m)	Part No.
0.15	81602
0.9	11432
1.2	19164
1.3	81686
1.5	77872
1.8	81204
2.0	57483

Large Eye Keys

- Forged from high grade steel
- Solid 27 mm diameter key stem for maximum torque
- To allow a thicker key bar or crow bar to be used on tight valve spindles
- Custom made keys available upon request



Description	Diameter (mm)	Part No.
45 mm ID eye x 0.9 m	27	81191
60 mm ID eye x 1.2 m	27	58369
75 mm ID eye x 0.3 m	40	58767
75 mm ID eye x 1.5 m	40	81218

Key Bars

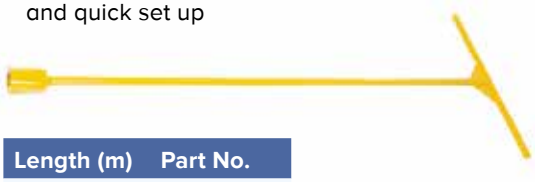
- Forged from high grade steel
- Solid 27 mm diameter key stem for maximum torque
- Custom made bars available upon request



Diameter (mm)	Part No.
20	58724
27	11462

T-Handle Keys

- Solid steel shaft, 24 mm diameter
- Heavy duty steel welded handle
- Plate steel webbing for maximum handle strength
- Forged key head to fit tapered square stop valve heads
- Combines a 2 part tool into 1 for easy transport and quick set up



Length (m)	Part No.
1.5	80593
1.8	57171
2.0	57170
3.0	57169

ACCESSORIES

Key Reducing Adaptor

- Fits firmly into the normal key to adapt down to smaller valve spindles
- Fully forged product



PART No.	81375

Valve Extensions

- Used to extend stop valve spindles to ground level
- Robust and heavyweight tool with 40 mm diameter stem
- Male and female ends suit most valves and keys
- Can be left in situations as permanent risers
- Can be custom made to 6.0 m
- Optional bolt in female end, please specify at time of order

Length (m)	Part No.
150	14122
300	14152
450	54202
500	58298
600	14182
900	14212
1100	54232
1200	14242
1500	14272
1800	14302
2000	44262
2500	57527



Stop Valve Ratchet

- Sturdy tool to operate stop valves in above ground situations
- Hardened steel ratchet mechanism for heavy use and high torque situations
- Ideal for valves on vertical lines i.e. pumping stations



PART No.	14362

VALVE ACTUATORS

Hurco Spin Doctor HH200

- Battery operated for remote operations
- Lightweight
- Long-life motor
- Twin batteries (45 min charge)



PART No.	11539

Prospec® Valve Actuator Kit

- High performance, lightweight valve actuator
- 240 V, 1/2 hp Ridgid® power drive
- Adjustable clutch slips when valve gate reaches end of travel preventing injury to operator or damage to valve
- Digital revolution counter with reset button
- Kit includes actuator, solid forged valve head adaptor and sturdy steel tool case
- Adaption for use with under pressure tapping kits simply requires 2 extra parts, a Square Drive Adaptor (Part no. 41644) and a Tap Machine Adaptor (Part no. 48762)



PART No.	13762

Prospec® Valve Wedge

- Heavy duty steel construction
- Used to remove false heads from stop valves
- Universal, suits all types of valves



PART No.	15472

Packing Rope Extractors

- Heavy duty flexible shaft
- Designed to facilitate the easy removal of old gland packing in valves and taps
- Replacement corkscrews available



Size	Part No.	Replacement Tip Part No.
Small	12182	80596
Medium	12212	80594
Large	12242	80595



Stop Valve Lockout Device

- Designed to block access to stop valves

Style	Part No.
NSW	14332
Vic	38559



KNIVES, CUTTERS AND SAWS

RETRACTABLE KNIVES

Hi-Vis Retractable Utility Knife

- Excellent value
- Traditional shape
- Blade storage within body
- Die cast zinc construction for longer life
- Double overlap at nose prevents blade from moving
- Hi-visibility for easy locating



PART No.	86898

Pocketslide™ Retractable Utility Knife

- 21st Century style knife
- Easy one finger blade release dial for easy blade change
- Smooth sliding mechanism
- Heavy duty all steel construction
- Blade lock prevents inadvertent slide-out
- Short overall length when retracted aids storage



PART No.	86901

Utility Knife Blades

- Made in Sheffield UK
- Most popular blade
- Safety dispenser

Quantity	Part No.
10 Pack	14835
100 Pack	61324



14835



61324



CUTTERS

Threaded Rod Cutters

- Cuts threaded rod used to hang pipes and conduit, without allowing any damage to the thread
- Heavy duty alloy steel constructed jaws, blades and cutting head, heat treated to ensure maximum longevity of tool life
- Light steel frame handle ensures tool is easy to use
- Interchangeable die heads

Size (mm)	Part No.
10	80992

Die Heads

Size (mm)	Part No.
10	57280
12	85892

OPEN



CLOSED



61324

PLIERS

Combination Pliers

- Comfortable ergonomic, rubber grip handles
- Designed to cut, crimp, grip and hold
- Wire cutters within jaws
- 200 mm long



PART No.	15425

Long Nose Pliers

- Spring loaded, drop forged steel jaws
- Designed to cut, crimp, grip and hold
- Ergonomically balanced, rubberised grip handles
- Ideal for all fine work
- 200 mm long



PART No.	15485

Side Cutter Diagonal Pliers

- Narrow head box joint allows for cutting in confined spaces
- Drop forged from high carbon alloy steel
- Dual durometre bi-material grips provide comfortable and secure grip
- 190 mm long



PART No.	58442

End Cutting Pliers (Wire Nippers)

- Manufactured from special high grade steel
- Drop forged for lasting strength and superior cutting edge
- Individually hardened and sharpened
- PVC dipped handles for user comfort
- 220 mm long



PART No.	20125

Locking Pliers

- Curved jaw with built in wire cutter
- High grade, heat treated alloy steel construction
- Hardened teeth designed to grip from any angle
- Trigger release to produce maximum locking force
- 175 mm long



PART No.	15455

TIMBER SAWS

Predator® Universal Saw

- Minimal whip or vibration due to 0.91 mm blade
- Fast and precise cutting
- Cuts both along and across the grain
- Soft feel ergonomic grip
- Ideal for use on timber, hardboard, chipboard etc.
- 550 mm long with 8 TPI



PART No.	16025

Xpert® Universal Saw

- Triple ground tooth technology for faster cleaner cutting
- Suits all soft timbers and board materials
- Universal toothing cuts along and across the grain
- Premium grade 1 mm thick, C-75 spring steel blade
- Rust resistant blade coated 4 times
- PTFE coating reduces friction providing smoother, faster cutting
- Soft grip handle incorporating 90° and 45° squares
- 500 mm long with 8/9 TPI



PART No.	86999

Predator® Triplefast Saw

- 0.91 mm thick blade minimises whip and vibration
- Triple faceted teeth for superfast yet smooth cuts
- Suitable for cutting both along and across the grain
- Soft feel ergonomic grip and finger guide for ultimate accuracy
- 550 mm long with 10 TPI



PART No.	72235

Drainers' Saws

- Fine tooth saw for PVC pipe
- Laser hardened teeth
- Short length for tight situations
- Measurements and gradient table on saw
- Hi-visibility colour for easy location



Length (mm)	Part No.
280	86426
390	82336

T-Rex Hardpoint Pipe Saw

- 550 mm



PART No.	10666

Predator® Plastic Pipe Saw

- Specially designed to cut UPVC and hard plastics
- Suregrip® soft feel ergonomic grip and finger guide for accuracy
- Dura Life Technology – lasts at least 20% longer
- Rigid blade – thicker 0.91 mm blade minimises 'whip' and vibration
- Precision cut – accurate cutting with push-pull action
- 550 mm with 14 TPI



PART No. 81262

FIBRO SAWS

Standard Fibro Pipe Saw

- Hardened and tungsten impregnated teeth
- Ideal for use on large asbestos and fibro pipes
- 660 mm low flex blade with 2 ½ TPI



PART No. 19394

Diamond Tipped Fibro Pipe Saw

- Industrial grade diamond coated teeth for maximum wear and superior cutting
- Cuts all AC and fibro pipes with little or no dust
- Heavy duty, dual material handle with 45° and 90° guides
- 400 mm low flex steel blade with 4 TPI



PART No. 81146

HACKSAWS

Junior Hacksaw

- Strong steel frame
- Simple, quick and easy blade changes
- Universal blade cuts metal, wood and plastics



PART No. 14155

Junior Hacksaw Blades

- 10 pack



PART No. 13175

Mini Hacksaw

- Strong lightweight aluminium body
- Utilises standard hacksaw blades
- Comfort soft grip handle with thumb grip
- Ideal for tight areas



PART No. 14205

Low Profile Hacksaw

- High quality construction and technology
- Ergonomic rubber grip handle for better and more comfortable control
- 6 blade angle settings, ideal for all jobs
- Replacement blades available in packs of 10 (Part no. 13175)



PART No. 14215

Standard Hacksaw

- Strong lightweight aluminium box section frame
- Multi-position blade for angle cuts
- Ergonomic handle with comfort grip
- Wind up tensioner for better blade control
- Spare blade storage in top section



PART No. 14235

HACKSAW BLADES

Eclipse® Plus 30 Blades



- Bi-metal
- M2 high speed cutting edge
- Flexible alloy back
- Cuts through all alloy and stainless steels
- Made in the UK

Type (TPI)	Part No.
18	14265
24	14295
32	14325

Lenox Recipro Blade

- Ideal for cutting cast iron pipes with standard recipro saws
- Also suitable for bricks, tiles and earthenware
- 200 mm blade suits material up to 125 mm diameter



PART No. 85458

HOLESAWS

Bi-Metal Holesaw Kits



- M42 Cobalt bi-metal material
- 4/6 variable tooth
- 35 mm cutting depth
- All kits supplied with adaptor, small and large Arbors and sturdy carry case
- All parts are available individually



Tradesman Kit

Electrician Kit

Style	Pieces	Sizes (mm)	Part No.
Electrician	9	20, 22, 25, 32, 40, 51, 70	14745
Tradesman	12	16, 19, 22, 29, 35, 38, 44, 51, 54, 64	14775

Plumbers' PVC Holesaw Kit

- The perfect plumber's kit, includes sizes to cover DWV pipe sizes up to 100 mm
- Includes arbor and 5 holesaws in a heavy duty steel tool box
- Sizes 44 mm (40 mm DWV), 57 mm (50 mm DWV), 73 mm (65 mm DWV), 92 mm (80 mm DWV) and 114 mm (100 mm DWV)
- High quality bi-metal, M2 high speed steel ensures long service life



PART No. 81460

Plumbers' PVC Holesaw Kit – Tungsten

- Tungsten tipped pilot and teeth provide a saw that cuts twice as fast as traditional saws
- Ideal for use on all timber, board and cement sheet
- Ultra deep 60 mm cutting depth
- Quick change arbor
- Sizes 44 mm (40 mm DWV), 59 mm (50 mm DWV), 73 mm (65 mm DWV), 98 mm (80 mm DWV) and 114 mm (100 mm DWV)
- Heavy duty steel carry case protects tip



PART No. 59489

LID LIFTING

Hydraulifter™

- Hydraulic breaking pressure
- Will crack the most stubborn manhole lid seal
- Has locking wheel for ease of manoeuvring in all applications
- Comes with 1 x centre lift and 2 x bird beak lifting attachments to suit most manholes

PART No. 25591





Step 1

Position the Hydraulifter on manhole lid and engage the key.



Step 2

Pump jack to partially lift lid (If lid is jammed, apply pressure with jack and tap the edges of lid gently with sledge hammer to loosen).



Step 3

Rock the lifter back on the jack foot allowing the wheel to fall down and lock into position.



Step 4

Pivot the lid to the one side for a clear opening into manhole.



Step 5

To replace lid, pivot lid back into position and release jack, lowering lid into place.



Step 6

Release front wheel lock with foot or hammer.



Step 7

Disengage the key.

HYDRAULIFTER ATTACHMENTS

Bird Beak Lifter

- For lifting old style stormwater lids



PART No. 25581

Centre Lifter

- For lifting sewer manhole lids



PART No. 25601

Gatic® Lifter Pair

- For lifting of Gatic® lids



PART No. 25611

WHEELED LIFTERS

Lid Lifter Handylift Complete

- Lightweight and easy to use
- Breakout force of 1.5 t, able to lift stuck covers without effort
- With the relevant keys and accessories, is capable of lifting all types of covers
- Will lift covers up to 1200 x 1200 mm key-span and with the right array of keys can tackle 2 keyhole covers, double triangle covers and 4 keyhole covers
- Can be carried completely assembled or can be disassembled in 15 s to fit into smaller spaces
- Weight: 30 kg fully assembled

PART No. 11171



Heavy Duty Model 374UL Lifter

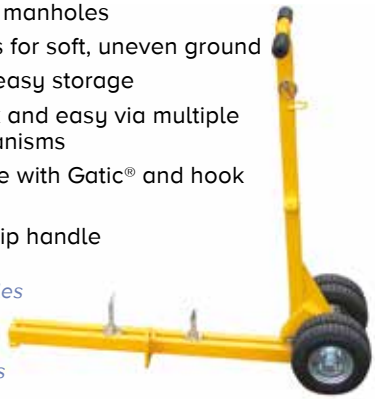
- Large wheels ensure easy moving
- Simple, fold flat design
- Heavy duty screw winders allow easy lifting
- Variable arms and keys for positioning over most Gatic® lids



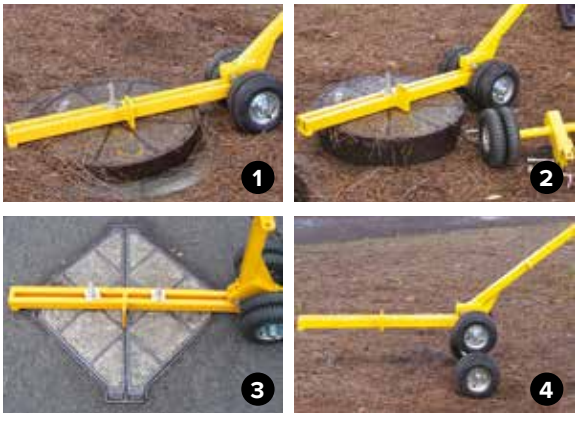
PART No.	81103

Unilid Lifter

- Suits most shapes of manhole lid
- Suitable for both Gatic® style and standard manholes
- Extendable handle to ease strain on operator
- Piggy back wheel system allows for above surface manholes
- Pneumatic wheels for soft, uneven ground
- Folds quickly for easy storage
- Assembly is quick and easy via multiple pin locking mechanisms
- Supplied complete with Gatic® and hook attachments
- Comfort rubber grip handle



1 and 2. Round manholes
3. Square manholes
4. Extendable handle and piggy back wheels



PART No.	81101

GATIC LID LIFTERS

Urgo Gatic® Lid Lifter



- Will break seal and remove lid in one easy action
- Minimise back strain by effortless operation
- Used when lid is surrounded by solid surface e.g. concrete
- Round steel handle
- Long and short lifting yokes supplied



PART No.	33421

Replacement Yokes

- High quality stainless steel



Style	Part No.
Short: fits light duty Gatic® lids	81015
Long: fits heavy duty Gatic® lids	81014

Long Handle Gatic® Lifter



- Medium duty, round handle
- Suits all Gatic® style lids
- Drop forged Gatic® bolt
- All steel product
- Fully welded construction
- Zinc coated
- Best used in pairs

D-handle lifters should be used to break seal prior to lifting lid

PART No.	28871

Heavy Duty Long Handle Gatic® Lifter



- Heavy duty square handle
- Suits all Gatic® style lids
- All steel product
- Fully forged locking key
- Fully welded construction
- Extended heel for maximum strength at pivot point
- Zinc coated
- Best used in pairs

D-handle lifters should be used to break seal prior to lifting lid

PART No.	59352

D-Handle Gatic® Lid Lifter



- Used for breaking the seal on Gatic® lids
- Heavy duty cast construction

PART No.	31351

Rated Gatic Lid Lifting Device

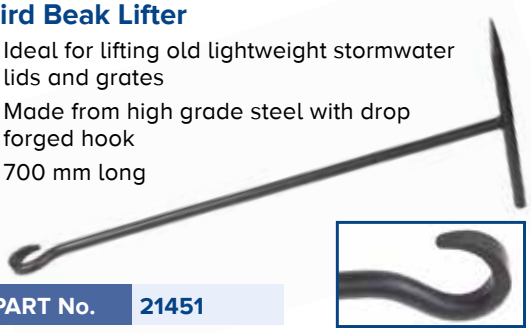


- High grade stainless steel yoke
- Can be operated by machinery such as Backhoe, Bobcat or Hi-ab crane
- Safety catch when engaged ensures lid cannot move
- Tagged and certified
- Rated 1T

PART No.	81072

MANHOLE LIFTERS

Bird Beak Lifter



- Ideal for lifting old lightweight stormwater lids and grates
- Made from high grade steel with drop forged hook
- 700 mm long

PART No.	21451

Bird Beak Lifter with Eye



- Used for lifting of heavy stormwater lids and grates
- Ideal for 'stuck' or wedged lids and grates
- Made from high grade steel with drop forged hook
- Rated to 400 kg

PART No.	81104

Centre Lift Lid Lifter



- Used for centre lift manhole lids
- Socket welded onto handle for bolt down type manhole lids
- Chisel end on handle for picking out debris in keyhole
- Easy one person operation
- Solid steel, sliding safety latch to prevent movement of key once engaged
- 600 mm long handle

PART No.	28901

Centre Lift Rated Device



- Forged from high quality steel
- Solid steel, sliding safety latch to prevent movement of key once engaged
- Allows heavy duty lids to be removed by machinery such as Bobcat or Backhoe or even a Hi-ab crane
- Tested and certified

PART No.	81223

Lifting Eye (Swift Lift)

- High quality construction
- Used for lifting manhole components into place
- Also used to remove some types of manhole lids
- Tested and certified

Size (t)	Part No.
1.3	32521
2.5	32551
5	32581
10	32611
20	32411
30	32671



Lifting Chisel



- Breaks seals on manhole lids
- Drop forged mining grade steel
- Shatter resistant

PART No.	10082

TELSTRA® PIT LID LIFTERS



Standard Telstra® Lid Lifter



- Used for Telstra® pit lids
- All steel product
- Zinc coated
- User friendly handle with safety lock
- Chisel point to clear dirt from keyway

PART No.	32761

Telstra® Lifter With Eye



- Used for lifting heavy duty Telstra® lids
- Sliding safety lock
- High quality steel
- Zinc coated

PART No.	81105

Telstra® Lid Seal Breaker



- Used in conjunction with Telstra® Lifter
- Ideal for stubborn or jammed lids
- Zinc coated

PART No.	59086

PIPE TOOLS

SHUT OFF TOOLS

Reed® Pincer Plastic Shut Off Tool

- Designed for emergency shutoff
- Front end features a snap-hinge for quick assembly
- Knurled grip catches and holds pipe
- Open end has latch to hold tool closed until repair is made
- Zinc plated for corrosion resistance



PART No.	57566

Reed® Standup Plastic Shut Off Tool

- Compresses 19-25 mm PE plastic tubes to stop the flow of water
- 750 mm handles develop a clamping force similar to a pair of bolt cutters
- Long handles make for easy shut off from above trench
- Overall length 1194 mm



PART No.	81268

Prospec® Poly Shut Off Tools

- Robust all steel construction
- Handy pocket model shuts off poly and nylon pipes up to 32 mm
- Shuts off any poly, gas or water pipe
- No damage to pipe
- 100% shut off
- Pipe quickly reshapes when pressure is released



12323



12343



12833

Style	Capacity (mm)	Part No.
Mini	12-32	12833
Medium	32-63	12323
Large	63-110	12343

Poly Shut Off Tool

- Full stroke hydraulic unit
- Mechanical safety stops prevent creep and permits controlled release
- Springs to return jack to park position after squeeze off
- Integral safety relief device
- Comes with stops for 63, 75, 90, 110, 125, 140, 160, 180 or 200mm SDR11 and SDR17 pipes



PART No.	54855

Hydraulic Poly Shut Off Tools

- Full stroke hydraulic unit
- Mechanical safety stops prevent creep and permits controlled release
- Springs return jack to park position after squeeze off is released
- Integral safety relief device



86244



86245

Size (mm)	Part No.
63-125	85044
63-180	86244
160-250	86245

Prospec® Copper Shut Off Tool

- All steel construction
- High quality corrosion resistant coating
- Crimps off flow easily and quickly
- Reforms pipe to allow 80-90% of original flow
- Can be used on screwing gauge copper
- Ideal for use where water cannot be turned off
- Capacity 20-25 mm







PART No.	10322

Replacement Parts

- Ideal if only 1 part of your shut off tool is damaged
- Save time and money by keeping spare jaws up your sleeve

Description	Part No.
Tube Handle	57576
Tie Rod Nut	57578
Screw and Handle	57575
Main Top Bar	57571
2nd Top Bar	57572
3rd Bar	57573
Bottom Bar	57574

Wheeler Rex® Copper Shut Off Tool

- Shut off, hold and restore flow quickly on all copper lines up to 50 mm
- High quality alloy construction
- Complete with tool, ratchet and socket, holding clamp and toolbox
- Capacity 32-50 mm



PART No.	10352

Prospec® Hydraulic Copper Shut Off Tools

- Heavy duty all steel construction
- High quality Enerpac® ram and pump
- Excellent for repetitive shut off work
- Effortless to use
- Reforms pipe if required (32 mm model only)
- Quick-connect hose for easy storage



Size (mm)	Capacity (mm)	Part No.
32	20-32	20511
65	40-65*	20521

*does not reform

PIPE SHEARS

Poly Scissor Shears

- Ideal for cutting thin wall plastic, rubber and nylon tube
- Teflon® coated blades wear longer
- Lightweight, ergonomic, easy to use tool

Size (mm)	Part No.
32	12623
42	12653



Replacement Blades

Size (mm)	Part No.
32	12643
42	80533



Super Ego® Ratchet Shears

- High quality construction creates robust tool
- Cuts quickly and easily through all types of synthetic tube
- Ratchet mechanism creates greater cutting power and resistance
- Mainly used for heavier grade tube and pipe

Size (mm)	Part No.
42	12564
60	12594



Replacement Blades

Size (mm)	Part No.
27	85020
42	80532
60	80530



Ridgid® Spring Loaded Shear

- Features X-CEL® blade for fast single stroke cutting, no ratcheting or twisting required
- Durable aluminium construction for heavy duty use
- Large OD capacity
- Ergonomic grips on bottom handle are spaced at 13 mm increments to act as a quick pipe measuring scale
- Easy turn thumb latch for reliable storage
- Replaceable, hardened steel cutting blade
- Spring loaded handles instantly adjust to any pipe size
- Burrless cutting operation provides a square cut
- Size 35 PC 1375



PART No.	57385

Replacement Blade

PART No.	86633

Ridgid® Ratchet Shears

- Heavy duty aluminium construction
- Ergonomic grips double as a pipe measuring scale
- Easy thumb turn latch for reliable storage
- Square, burr-free cut to assist in perfect joints
- Advanced blade design and ratcheting mechanism reduce the amount of force required to cut most materials
- Quick change blade pin allows simple and easy blade changing
- Suits PVC, PEX, polyethylene, polybutylene and rubber hoses



Model No.	Size (mm)	Part No.
1625	12-42	**57386**
2375	12-63	**54846**

Replacement Blades

Suit Model No.	Part No.
1625	**54847**
2375	**54848**

PIPE GUILLOTINES

- MDPE and HDPE pipe cutting capacity
- Teflon® coated steel cutter blade
- Wide saddle, side swing opening design for easy positioning at any point on the pipe
- Wide saddle base provides sturdy positive pipe support
- Stainless steel fasteners and hardware
- Structural members manufactured from aircraft grade aluminium
- Dry-lube coated drive screw

Wheeler Rex® Model 890 Guillotine

- Standard removable T-handle design
- Hex nut (25 mm/1") can also be driven with ratchet and socket
- Supplied standard with straight blade
- Optional v-shaped blade if required
- Will cut pipe up to 125 mm OD

PART No. **80523**



Wheeler Rex® Model 1697 Guillotine

- Standard removable T-handle design
- Hex nut (25 mm/1") can also be driven with ratchet and socket
- Supplied standard with straight blade
- Optional v-shaped blade if required
- Will cut pipe up to 225 mm OD

PART No. **80525**



Wheeler Rex® Model 1894 Guillotine

- Ideal for cutting larger diameter poly pipes, both MDPE and HDPE
- Utilises a low speed power drive (300-500 rpm max) to quickly cut through pipe at up to 25 mm of pipe diameter per minute
- Better cuts and longer blade life due to reduced flexing
- Available with v-shaped blades if required
- Maximum capacity of 335 mm OD
- Note, Power drive not supplied, please call Cadia Group® to discuss your options

PART No. **80522**



Wheeler Rex® Model 1892 Guillotine

- Standard removable T-handle design
- Hex nut (25 mm/1") can also be driven with ratchet and socket
- Supplied standard with straight blade
- Optional v-shaped blade if required
- Will cut pipe up to 360 mm OD

PART No. **80524**



PLASTIC PIPE CUTTERS

Internal Pipe Cutter – Diamond

- Great for cutting PVC pipe
- Ideal for cutting pipes flush with concrete or timber floors
- Will cut pipe from 40-150 mm
- Fits into a battery drill for easy use
- Diamond wheel will not blunt on concrete or tiles
- Extension bar available to allow cutting at greater depths



PART No.	59287

Rems® Cut 110P Cutter

- Robust metal design for tough use
- Cutting and chamfering in one smooth operation
- Ergonomic clamping grip, fast and easy to use
- Step-less adjustable clamping pressure accommodates pipe tolerances
- Spring loaded clamp inserts in plastic for concentric clamping of different pipe sizes
- Supplied with clamp inserts to suit 50 and 75 mm pipe
- Cuts ABS, PE-HD, PEX, PVC and polypropylene pipes up to 110 mm ID





PART No.	81221

Reed® Quick Release Cutters

- Quick release catch for faster cutting, especially on repetitive jobs
- High strength sliding bar with added magnesium
- Cuts clean with little or no burr
- Used for PVC, PE and PP pipes
- Covers sizes from 3-250 mm
- Largest cutter range available





Size (mm)	Capacity (mm)	Part No.
33	3-33	18114
63	6-63	18174
90	10-90	18204
114	48-114	18234
168	100-168	18294
250	159-250	18324

Reed® Plas Inline Rotary™ Cutters

- Ideal for cutting PE and PVC pipes in both above ground and in-trench situations
- Only requires 150-200 mm clearance around pipe
- Outboard rollers keep cutter aligned to pipe ensuring square cuts every time
- Carbide tipped blade will penetrate up to 50 mm wall PVC pipes
- Can also produce a 15° bevel inline with the cut if required
- Plas Inline Cutters are also suitable for cutting AC pipes





Note: saw not included





Pipe Capacity Ø (mm)	Model No	Part No
100-200	PLAS 0	17425
150-300	PLAS 1	17426
350-500	PLAS 2	17427
350-630	PLAS 3	17428
350-800	PLAS 4	17429

PIPE SAWS

Ridgid® Dry Cut Saw

- Features carbide-tipped blades to cut different materials without cutting fluid
- Cuts have no burrs, abrasive dust or heat
- Cuts steel, copper, plastic and wood
- Quick acting vise
- Straight or mitre cuts
- Powerful 15 Amp, 2 hp, 240 V motor
- Cuts up to 130 mm OD pipe with 90° cut or up to 105 mm OD with 45° cut
- Model No. 614



PART No.	80529

Replacement Blade

PART No.	59348



Exact Cut Pipe Saw

- Cut and bevel in one action
- Cuts all plastic and poly pipes
- Attaches firmly to a pipe thus ensuring the blade is securely positioned automatically and properly guided through the cutting process
- Chips through the pipe rather than grinding allowing a burr-free cut surface that can be joined squarely and precisely
- Improves work safety by effecting a Cold-Cutting process which minimises the risk of fire and burns
- Offers ease of use because the weight of the machine contributes to the work efficiency, even in tight spaces



Model No.	Cutting Range (mm)	Part No.
170E	15-170	**11770**
220E	15-200	**56358**
280E	40-280	**54168**
360	75-360	**56357**
400	100-400	**54243**

Blades



80510 80508 80509

Model No.	Suits	Part No.
606	CI and DI	**80510**
616	DI	**80508**
706	Steel	**80509**

STEEL AND CAST IRON PIPE CUTTERS

Ridgid® Steel Pipe Cutters

- Standard Heavy Duty Cutters
- Heavy duty pipe cutter designed for cutting most steel pipes
- Extra-long shank protects adjustment thread
- Large handle for quick easy adjusting whilst cutting
- Can be converted to 3 wheel cutters, ideal for use in tight spaces
- Model No.s 3S, 4S and 6S are supplied with an extra handle for two-person leverage



17304

Model No.	Size (mm)	Part No.
2A	3-50	**17244**
3S	35-75	**17274**
4S	50-100	**17304**
6S	100-150	**17334**

4-Wheel Heavy Duty Cutters

- 4 wheel model ideal for restricted turning space
- Heavy duty, quality cast construction designed for cutting steel pipes
- Designed for work in areas where a complete turn is not possible
- Model No. 42A utilises short handle for use in work areas limited to a 130° turn
- Model No. 44S is supplied with dual handles for use on large pipes where 2 person leverage is required
- Equipped with 4 heavy duty cutting wheels



17364 17394

Model No.	Size (mm)	Part No.
42A	20-50	**17364**
44S	60-100	**17394**

Reed® Hinged Pipe Cutters

- Cuts steel, stainless steel, CI and DI with only 90° to 110° handle swing
- Strong guide fingers ensure perfect wheel alignment and accurate tracking for perfect square cuts
- 4 wheels for quicker cutting and minimal cutter rotation
- Maximum efficiency provided by complete 360° closed frame
- No sparks, cold cut cutter, ideal in volatile atmospheres
- Interchangeable wheels dependent on application, please specify at time of ordering which application your tool will be used for to ensure that you are provided with the right tool



Size (mm)	Part No.
32-75	17542
50-100	58308
100-150	17543
150-200	17545
200-300	17546



Ridgid® Hinged Pipe Cutters

- Cuts cast iron steel and heavy wall steel pipes rapidly
- Cutting guides ensure square cuts
- 4 wheels for quicker cutting and minimal cutter rotation, ideal for tight areas
- Cuts 100-300 mm pipes
- Interchangeable wheels dependent on application, please specify at time of ordering which application your tool will be used for to ensure that you are provided with the right tool



Size (mm)	Part No.
100-150	17424
150-200	17454
200-300	17484

Reed® Rotary™ Pipe Cutters

- Perfect cutting of large diameter DI and CI pipes
- Low clearance around pipe ensures minimal removal of earth is required
- Nonslip handle supplied, fits securely to the cutter for maximum control
- Pipe snaps off clearly and squarely before wheel penetrates halfway through the pipe
- Can be used almost anywhere, in trenches, under water, overhead or even in explosive atmospheres
- Also available as a steel/stainless steel cutter



Size (mm)	Part No
CI and DI	
250-350	17532
350-450	17533
450-500	17534
584-660	17535
750	17536
Steel	
150-200	17531
250-350	17537
500-550	17539
600-650	85253
700-850	17540
800-900	17541



Prospec® Chain Cutter

- Very tough and robust tool manufactured from heavy duty steel
- Compact and solid, excellent in tight positions
- Zinc coated framework to ensure long field life
- Removable socket and sliding T-bar handle for quick and easy operation
- Cuts earthenware and Hepworth pipe 100-225mm Ø



PART No.	17184

RIDGID® CHAIN PIPE CUTTERS

Model No. E226 Pipe Cutter

- Compact and lightweight tool, designed for use in tight places
- Perfect for cutting CI, concrete and earthenware pipes
- Especially suited for against-the-wall and tight trench applications due to its extremely compact length (430 mm)
- Unique chain latching system engineered for maximum productivity
- Cuts 50-150 mm pipe
- Chain extensions available

PART No.	58124



Replacement Chain Complete

PART No.	59038

Replacement Chain Link

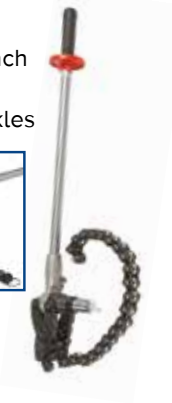
PART No.	59039

Model No. E246 Pipe Cutter

- Used to cut 50-150 mm earthenware, CI, AC and cement pipe
- Ratchet action handle
- Handle runs parallel with pipe so trench can be minimum width
- Hand guard protects operator's knuckles

Size (mm)	Part No.
150	17604
225	17634
300	17664
375	17694
450	17724





Replacement Chain Link

PART No.	41674



Reed® Soil Pipe Cutters

- Fast and efficient way to cut CI, AC, earthenware and concrete pipes
- Super strong jaws and durable adjustment screws
- Ratcheting cutter for optimum performance in close quarters or tight applications
- Excellent tool for use on most sewerage and grey water pipelines

Model No.	Capacity (mm)	Part No.
SC49-8	40-200	85117
SC49-10	40-250	57797
SC49-12	40-300	57861





Wheeler Rex® Hydraulic Pipe Cutters

- Used to cut pipe using the 'snap' method
- Only 50-75 mm clearance required to allow chain to be wrapped around pipe
- Remotely operated hydraulic pump
- Extremely hardy and robust
- Replacement chains and hydraulic pump parts readily available
- Chain extensions available
- Capacities listed are maximum capacities and apply to tile or earthenware pipes. It is not recommended to operate very large pipe cutters at maximum capacities continuously.





Model no. 2990





Model no. 3890





Model no. 5990

Model No.	Size (mm)	Capacity (mm)	Part No.
2990	150	50-150	80534
2990	250	50-250	17514
2990	300	50-300	80537
2990	375	50-375	80543
3890	300	100-300	80538
3890	375	100-375	80535
3890	450	100-450	80542
3890	600	150-600	17544
5590	450	150-450	80536
5590	500	150-500	80541
5590	600	150-600	80539
5590	900	150-900	17574

PIPE BURSTERS

- Used to crack open partially cut CI and asbestos pipes
- Wedge into slot to force pipe apart
- Heavy duty, drop forged steel
- Even taper for easier bursting
- Rounded strike point on head allows better hit rate

Type	Part No.
Medium	10112
Large	10142
Extra Heavy Duty	57462



PIPE BEVELLERS

Talbot® Bevellers

- Solid simple tool with blade built into design for minimal interference when using
- Recommended for use on all poly pipes prior to using Talbot® Push-Fit™ connectors

Size (mm)	Part No.
20	86643
25	86644
32	86645
40	86646
50	86647



Ridgid® Plastic Pipe Deburrers

- High grade steel
- Slip resistant vinyl hand grip
- Removes outside ridges and inside burrs on all plastic pipe



Size (mm)	Model No.	Part No.
12-40	72	16074
40-75	73	16104
100	74	16134

Rems Drill Deburrer 10-54E

- Suits stainless steel, copper and plastic pipes 10-54 mm Ø
- Robust tool for removing outer and inner burrs
- Easy, effortless deburring through multiple blades which are especially hardened and ground
- Suited for both manual and cordless drill use



PART No.	48000

Pipe Chamfering Tool

- Heavy duty plastic construction creates high quality yet lightweight tool
- Used like a pencil sharpener to chamfer poly pipes from 20-63 mm
- Ensures proper coupling and eases joint pressures
- Easy to replace, heavy duty blade
- Complies with ISO 14236 and AS/NZ 4129



PART No.	58574

Pipe Chamfering Blade

PART No.	58575

Easy Chamfer Tool



- Accurate Pipe Joint
- Precision Chamfer
- Suits Pipe Diameter of 90mm to 375mm
- With wall thickness up to 40mm
- Connect to 18V cordless or electric drill and in one easy motion the Easy Chamfer does it all for you

PART No.	65518

Easy Chamfer Tool Cutting Tip

PART No.	65728

PE Chamfering Tool

- Light and easy to use
- Just one complete turn of the chamfering tool gives the perfect external chamfer
- Size of chamfer is limited by end stops
- Replaceable blade made of high-quality steel
- Robust shock-resistant body





Size (mm)	Part No.
20-63	18018
75-110	18019

Manual Beveller

- Provides a 15° bevel to plastic pipe
- Quick, efficient and strong yet lightweight
- Provides a consistent bevel every time
- Wide saddle prevents twisting or damage to pipe
- Easy to adjust for varying pipe wall thickness
- Replacement blade available
- Size 38-300 mm



PART No.	15594

PARTS

Beveller Blade

PART No.	81206

Beveller Roller

PART No.	81205



PIPE SCRAPERS

Bent Scraper

- Used for removing scale and dirt stuck to all types of pipe
- Bent end helps removing scale from under pipes



PART No.	61684

Bent Scraper with Spud

- Used for chipping away at hard-to-remove scale etc.
- Spud allows hammer to be used to remove extra-hard scale



PART No.	61714

Handheld Scraper

- Large handheld pipe scraper
- Used when preparing poly pipe for electrofusion welding
- 4-way interchangeable blade



PART No.	80263

Prospec® Descaler

- Heavy duty, powder coated steel construction
- Easy to use, 'slip' handles
- Scrapers quickly remove corrosion and other obstructions from pipe surface
- Clean pipes allow more effective cutting, joining and repairing
- Faster and more effective than chisels or files
- Requires minimal clearance around pipe
- Belt style also available



Model No.	Pipe Capacity (mm)	Length (mm)	Part No.
DS12	75-300	810	10472
DS36	75-900	1180	10502
DS48	75-1200	1520	10532

ROTARY SCRAPERS

Rotary Scraper Kit

- Compact and complete kit for scraping pipe in preparation for electrofusion welding in pipes up to 63 mm
- Ensures consistent and constant peeling on the entire surface
- Suited for use on PE80, PE100 and PEX pipes
- Sturdy carry case to protect and contain inserts
- Kit includes heavy duty peeling tool, inserts to suit 20-63 mm pipe and foam inlaid case



PART No.	54760

Universal Scrapers

- Multi size, professional scraper of highest quality construction
- Maintains even, consistent, controlled scraping and depth
- Provides mechanical scraping across the whole joint area
- Fast, efficient scraping action
- Supplied in sturdy tool case for protection



Size (mm)	Part No.
63-225	58863
90-400	54790

RITMO® ROTARY SCRAPER KITS

- Professional, heavy duty pipe scrapers suited to both fabrication and in-field applications
- Fully adjustable, quickly removes oxidation layer to ensure optimum weld
- Design allows the thickness of the continuous chip constant to be maintained even on misshapen pipes
- Quickly adjusts to suit depth of coupler being used
- Can be used on both spigot fittings and pipes
- Four extendable arms on the largest model allows tool to be securely clamped inside the pipe Ritmo®

Rotary Scraper Kit 50-160 mm Includes

- 50-160 mm Ritmo® Rotary Scraper Tool
- Adaptor kit
- Spare blade
- Aluminium transport case
- Screwdriver
- Small cutter
- Hand wheel key

PART No.	54752

Ritmo® Rotary Scraper Kit 75-315 mm Includes

- 75-315 mm Ritmo® Rotary Scraper Tool
- Adaptor kit
- Spare blade
- Aluminium transport case
- Screwdriver
- Small cutter

PART No.	54753

Ritmo® Rotary Scraper Kit 355-710 mm Includes

- 355-710 mm Ritmo® Rotary Scraper Tool
- Spare blade
- Aluminium transport case
- Screwdriver
- Small cutter

PART No.	57455



54752

Joint Master Poly Clamps

- Versatile clamp system for 20-63 mm pipe
- Made from lightweight aluminium and steel construction
- Jaw profile holds all pipe sizes within range reducing shells not required
- Uses patented in-line pipe centering system
- Available with straight or angle maker base

Size (mm)	Part No.
20-63	10168



PIPE LIFTING

Lifting Slings

- Ideal for lifting pipes and other awkward shaped objects
- Compatible with most lifting systems
- Available in varying lengths



Type	Length (m)	Rated (t)	Part No.
Round	1	3	80771
Round	2	3	80772
Round	3	3	80773
Round	4	3	80774
Round	5	3	80775
Flat	2	2	86303
Flat	5	2	86305
Flat	2	3	80776
Flat	3	3	80777
Flat	4	3	80778
Flat	6	3	80779
Flat	3	4	86297
Flat	5	4	86306

Lifting Chain Sets

- Grade 80 chain
- Complies to AS3775.1-2004
- Complete with shortening hooks
- Clevis type slinghook with safety catch
- Other lengths available, made to order, please enquire





Chain Size (mm)	WLL @ 60° (t)	Leg Length (m)	Part No.
6	1.3	1.5	**59954**
6	1.5	2	**86294**
8	3.5	2	**81192**
8	3.5	3	**80767**
8	3.5	6	**80768**
10	5.5	2	**86293**
10	5.5	3	**80769**
10	5.5	6	**80770**

Universal Pipe Lifter

- Used for lifting concrete pipes
- Simple operation
- Fits many different pipe sizes
- Custom sizes available

PART No.	85990



D-Shackles

- Fully rated and certified
- Available in many sizes other than those listed, please enquire



Model No.	Capacity (t)	Part No.
10G	1.0	**58002**
11G	1.5	**58003**
13G	2.0	**58004**
16G	3.25	**58005**
22G	6.5	**58870**

Probst® Round Pipe Grab

- Ultra-slim design for appropriate clamping force transmission, great for use in slender trenches
- Easy to operate yet robust pipe grab
- Exchangeable gripping elements to prevent damage to coated pipes
- Crane eye attachment
- Integrated release mechanism for fully automatic switch over from 'full' to 'empty'
- Adjustable height stop stabilises the load, allowing 6 m pipes to be picked up and installed safely
- Easy adjustment of gripping width via spring loaded bolts





Size (mm)	Gripper Length (mm)	Carrying Capacity (kg)	Weight (kg)	Part No.
80-400	430	400	45	**86609**
300-800	450	1500	90	**56850**
600-1500	500	5000	390	**56849**

MANUAL PIPE THREADERS

Ridgid® Pipe Die Ratchet Handle

- Heavy duty cast steel head
- Die heads snap-in from both sides and lock into place
- Replacement dies available



Model No.	Part No.
00R	**81076**
12R	**18024**

Ridgid® Pipe Threading Sets

- Includes 00R or 12R ratchet handle, die heads with dies fitted and sturdy plastic carry case
- Note: Dies from 25 mm set do not fit 50 mm set.

Size (mm)	Model No.	Part No.
13-25	00R	**17934**
13-50	12R	**17964**
3-50	12R	**17994**



POWER PIPE THREADERS

Ridgid® Power Drive 300

- Ridgid® speed chuck with replaceable jaws
- Reversible 1/2 hp 240 V motor
- Rear centering device
- Standard unit will thread up to 50 mm
- Adaptors available to thread up to 150 mm
- Foot switch for easy operation
- Shown with optional collapsible stand (Part no. 58948)



PART No.	18054

Ridgid® Power Drive 300 with Complete Kit

- Model 300 Power Drive
- 3-leg collapsible stand
- No. 311 carriage with lever
- No. 341 reamer 3-50 mm (1/8-2")
- No. 360 pipe cutter 3-50 mm (1/8-2")
- Universal die head
- Kit 13-19 mm (1/2-3/4") alloy dies BSPT
- Kit 25-50 mm (1-2") alloy dies BSPT
- No. 418 oiler
- 5 L Nu-Clear® threading oil
- Trolley



PART No.	18084

Ridgid® Power Drive 700

- Heavy duty handheld power drive
- Reversible 1/2 hp motor, 240 V
- 32 rpm spindle speed
- Designed for Ridgid® No. 12R die heads
- Has many applications, please enquire



PART No.	74292

Ridgid® Square Drive Adaptor

- Allows 700 power drive unit to be adapted to drive any 25 mm square drive equipment



PART No.	41644

Ridgid® Nu-Clear® Threading Oil

- Cools threads and pipe during threading operation
- Speeds up metal removal
- Low odour and anti-mist formulation
- Low temperature properties maintain workable viscosity to -30°C

Size (L)	Part No.
1	18504
4	18534
19	18564
210	18594



ROLL GROOVERS

Ridgid® Manual Roll Groover

- Lightweight and compact with inbuilt cast handle for easier carrying or securing
- Easy to adjust depth gauge for more accurate grooving
- 90° ratchet handle allows easier and faster roll grooving
- Only requires 90 mm of clearance to travel around a pipe and 70 mm of exposed pipe end
- Comes standard with 50-150 mm steel roll groove set
- Can groove from 32-300 mm pipe with adaptor sets
- Model No. 915

PART No. 18404



Roll Groover Tool Box

- Customised heavy duty steel tool box
- Designed to hold both groover and all available roll sets

PART No. 59265

Roll Groove Adaptor Set

- Adapts Model No. 915 Roll Groover to suit 200-300 mm pipes
- Suitable for PVC, stainless steel or Schedule 40 steel pipes
- Other sets available

PART No. 58709

Ridgid® Power Roll Groover

- Durable, efficient and portable
- Easily mounts onto Ridgid® Power Drive 300
- Withstands heavy field use
- Depth adjustment screw
- Integral feed handle
- Roll grooves from 32-150 mm
- Comes standard with one roll groove set to suit steel
- Optional roll groove sets available to suit copper or stainless steel
- Model No. 916

PART No. 18394



Tool Box

- Customised heavy duty steel tool box
- Designed to hold both groover and all available roll sets

PART No. 59265

Adaptor Bracket

- Adapts 916 Roll Groover to Ridgid® Power Drive 300 Compact

PART No. 85040

Ridgid® Hydraulic Roll Groover

- Compact and easy to use
- Easily transported
- 15 ton hydraulic ram for faster roll grooving
- Mounts onto the Ridgid® Power Drive 300, 535, 1822 or 1224 threading machines
- Capable of grooving up to 300 mm medium wall and 200 mm heavy wall pipe
- Also capable of roll grooving stainless steel and PVC
- Model No. 918

PART No. 81078



Ridgid® Pipe Stands

- High quality
- Adjustable height

Model	Part No.
2 Wheel	17904
Roller Type	17874



Wheeler Rex® Multi-Purpose Pipe Joiner

- Basic lever and chain approach to joining medium and large socketed pipe and fittings
- Suits fittings and pipe up to 356 mm Ø
- Ideal for use on PVC, DI, CI and EN pipes
- Robust cast head increases strength of tool
- Long hollow handle increases leverage



PART No. 17844

Butt Welders

- Main frame includes 4 lightweight alloy main clamps
- German hydraulic seals
- Removable cast aluminium PTFE coated heating plate with electronic temperature control
- Removable cast aluminium electric facing tool with current overload protection
- Electrohydraulic pump with controls and quick release hoses
- Stand for heating plate and facing tool
- Tool box including spare blades, thermocouple, temperature controller etc.
- 230 V power required
- Optional wheeled trolley available
- Larger size machines available





Model No.	Size (mm)	Clamp Sizes (mm)	Weight (Kg)	Part No.
160/50	63-160	50, 63, 75, 90, 110, 125, 140, 160	156	**80798**
250/50	90-250	50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250	166	**80800**
315/90	90-315	90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	355	**80801**

ELECTROFUSION WELDERS

EF Welder Elektra 315

- A universal electrofusion machine, suitable for welding pipe and fittings for the transport of gas and water
- Also suitable for welding fire sprinkler systems (HDPE, PP, PP-R couplings from 8-48 V)
- Compliant with international standards
- Intuitive control panel
- Inbuilt memory with 500 welding cycles
- Optional possibility of transferring data to PC/ Laptop and an optical scanner for barcode \ reading systems that allows the automatic setting of the welding parameters
- Working range 20-315 mm

Kit Includes

- Universal adaptor diameter 4.0-4.7 mm
- Transport case
- Optical scanner
- Manual scraper

Optional Extra

- Kit for data transfer machine to PC/Laptop



PART No.	10152

SmartFuse 180 Electrofusion Control Box

- Welds Plasson fittings to DN180
- Lightweight, weighs less than 14 kg
- Compact (470 x 370 x 180 mm)
- Bluetooth enabled for smartphones using Plasson SmartFuse App
- Use App to automatically determine and record welding parameters
- 10 amp plug
- Tough weather-proof carry case
- 3 m lead



PART No.	14707

Spartan® Water Line Slitter Kit

- Replaces existing water lines with new pipe of 19, 25 or 32 mm
- Utilises backhoe, excavator or winch
- Includes water slitter, slitter link assembly, 2 carrot-style pullers, cable gripper and 61 m pulling rope





PART No.	54408

PUMPING

VENTURI STYLE PUMPS

Mustang® Venturi Pump

- Great for emptying pits and trenches of mud and water
- Stainless steel venturi pump
- 12 m discharge hose (2 x 6 m)
- Operates with most pressure cleaners/jetters

PART No. **85101**





WATER TRANSFER PUMPS

Aussie Pump® Transfer Pumps

- High pressure/flow characteristics
- Self priming up to 8 m
- Closed single impeller (computer generated)
- Marine grade aluminium body
- Other sizes and engines available
- Optional electric start
- 5 year pump warranty

Engine	Engine (hp)	Max Head (m)	Max Flow (L/min)	Outlet Size (mm)	Part No.
Honda® Petrol	6.5	32	1000	80	**55234**
Honda® Petrol	13	28	1800	100	**59623**
Honda® Petrol	13	23	2900	150	**55236**
Yanmar® Diesel	4.8	30	600	50	**55237**
Yanmar® Diesel	7.0	30	1050	80	**55244**
Yanmar® Diesel	9.0	30	1450	100	**55245**
Yanmar® Diesel	10	18	2600	150	**55246**



Crommelins® Transfer Pumps

- Excellent pressure/flow performance
- Self priming up to 8 m
- Tough, ceramic carbon mechanical seal
- Cast iron impeller
- Reliable and durable
- Optional electric start on most models
- Other sizes and engines available
- 3 year pump warranty
- Hose kit supplied standard on 81448, other sizes available on request

Engine	Engine (hp)	Max Head (m)	Max Flow (L/min)	Size (mm)	Part No.
Robin Petrol 4 Stroke	6.0	32	1000	80	**85031**
Robin Petrol 4 Stroke	9.0	28	1800	100	**85035**
Robin Diesel	5.4	28	900	80	**85036**
Robin Diesel	8.5	27	1450	100	**85037**



85035



81148

Honda® Fire Fighting Pump

- Super high pressure twin impeller pump
- Lightweight and portable
- 5.5 hp genuine Honda® engine
- Large 450 L/min flow
- Huge belly means fast priming
- 50 mm suction port
- Steel skids with anti-vibration mounts
- Separate replaceable suction flange
- Metal caps and chains
- 5 year warranty on pump end



PART No. **59190**

All camlocks and layflat hoses are available on request. Please refer to Section Hose and Hose Fittings for details.

TRASH PUMPS

Aussie Pump Trash Pumps

- Rugged, sturdy and robust
- Non-clog open style impeller
- Front mount cleanout port
- Unique silicon carbide mechanical seals
- Self priming up to 7.5 m
- 5 year pump warranty
- Electric start on some models
- Other sizes and engines available



55249

Engine	Engine (hp)	Max Head (m)	Max Flow (L/min)	Size (mm)	Part No.
Honda® Petrol	5.5	27	600	50	**55247**
Honda® Petrol	9.0	24	1200	80	**55248**
Honda® Petrol	13.0 Electric Start	24	1800	100	**55249**
Yanmar® Diesel	4.8	27	600	50	**55250**
Yanmar® Diesel	7.0	24	1200	80	**55251**
Yanmar® Diesel	10.0 Electric Start	24	1800	100	**55252**

Crommelins® Trash Pumps

- Ideal for handling large solids and debris
- Quick cleanout port
- Durable and reliable performance
- Self priming up to 8 m
- Tough, silicon carbide seal
- Deep impeller vane centrifugal pump
- 3 year pump warranty
- Other sizes and engines available



85038

Engine	Engine (hp)	Max Head (m)	Max Flow (L/min)	Size (mm)	Part No.
Robin Petrol	6.0	27	750	50	**55216**
Robin Petrol	9.0	28	1300	80	**85039**
Robin Petrol	11.5	23	2000	100	**85038**
Robin Diesel	5.4	24	680	50	**85032**
Robin Diesel	8.5	28	900	80	**85033**
Robin Diesel	8.5 Electric Start	21	1800	100	**59918**

SUBMERSIBLE PUMPS

24V Heavy Duty Submersible Pump



Style	Part No.
Pump	16698
Pump with Switch	16700

11500P 'Congo' High Volume Pump

- Heavy duty continuously rated motor, water or diesel transfer
- Powerful 32 L/min capacity, 14 PSI, 9.7 m head
- Dual use, submersible or 20 mm (3/4") hose inline pump
- Includes 4 m of wiring cable with alligator battery clips
- Slimline body size, 166 x 41 mm



PART No.	54115

Greenlee® Hydraulic Submersible Pumps

- Lightweight and durable
- Self priming
- Can be run dry without damage
- High impact resistant strainer housing
- Carry handle
- Note: Cadia has a huge range of 240 V and 415 V submersible pumps available, please enquire for specifications and pricing.



Size (mm)	Max Flow (L/min)	Weight (kg)	Part No.
50	1041	4.0	81089
65	1514	10.6	81090

Warren Rupp® Portamatic™ Submersible Pump

- 12 V, ideal for use in remote areas as can be used with most vehicles
- Powerful 1/3 hp motor
- Low 30 amp drawing power
- 10 m of power cord
- Rapid instant prime and dewatering
- Impeller has topside repelling vanes, keeping grit away from shaft seal
- Watertight O-ring seals keep pump internals dry
- Available with 175A Anderson plugs fitted
- 40 mm BSPT outlet
- Weighs 15 kg



Discharge Height (m)	Capacity (L/min)
1.5	157
3.0	129
4.5	95
6.0	81

Style	Part No.
Alligator Clips	53812
Anderson Plugs – 175 amp	58209

Flexi Drive Units

- Provides a portable power source for flexible shaft driven submersible pumps and concrete vibrators
- Quick action 60 mm diameter coupling housing, 3 tooth, 4 mm dog drive connection
- 5.5 hp Honda® engine
- Dished steel base for mobility on concrete, mesh and soil
- Low motor oil alert
- Optional spring mounts on Anti-Vibe units provide vibration isolation



67752

Type	Part No.
Anti-Vibe	67752
Standard	57645

Flexi Drive Pumps

- Suitable for pumping from waste pits, dams, drainage trenches, footings, manholes etc.
- Handles silt and sand up to 15 mm diameter
- Impeller is easily adjusted to compensate for wear
- Lightweight, one person operation
- Self priming, no suction hose required
- Flexible shaft with quick release drive coupling
- Corrosion resistant cast iron body with heavy duty lifting eye
- Rugged, low maintenance design and multiple long life seals
- 1050 L/min maximum discharge
- 26 m maximum head



Length (m)	Part No.
6	81094
9	59361

Flexi Drive Unit and Pumps

- Combines respective drive unit with 6 m pump

Type	Part No.
Anti-Vibe	58343
Standard	59771



58343

SHEET METAL TOOLS

FOLDERS

Vise-Grip® Sheet Metal Folder

- Controlled power
- Easy release
- Locks to work with powerful grip
- Makes bread pan corners
- Can crimp and double crimp
- Jaw thickness 79 mm, throat depth 44 mm



PART No.	18414

RIVETERS

Long Nose Riveter

- Robust design for added strength
- Longer nose for difficult access points
- Non slip plastic coated handles
- Nose spanner supplied
- 3, 4 and 5 mm jaws included



PART No.	15995

PUNCHES

Chassis Punches

- Punch holes through stainless and sheet metal with ease
- Ideal for sinks, wall studs and gutters
- Clean fast and accurate holes, every time
- Small pilot holes required
- Other sizes available upon request

Size (mm)	Part No.
22	15774
25	15804
32	15834
35	15864



Stud Punch

- Quick and easy to use with long handles providing extra leverage
- Ideal for punching metal studs to run pipes in new installations
- Up to 20 gauge capacity
- 34 mm hole Ø



PART No.	80766

Stud Grommets

- Complies to AS3500.1.2
- Suits 34 mm hole
- Bag of 100



PART No.	81556

SHEARS AND SNIPS

Excalibur® Cutter Shears

- Light, well balanced compact unit which offers a firm, safe grip
- Easy access to usually inaccessible areas
- Clear visibility to cutting point and lines
- Shearing action is smooth, quick and well controlled
- Cuts sheet metal with ease
- Requires only one hand to operate, leaving one hand free to hold material
- Can cut curves or straight lines
- Fast, up to 300 mm per second
- Strong jaws cut mild steel up to 1.6 mm (16 gauge) and stainless steel up to 1.2 mm (18 gauge)



Drill Type	Power Type (V)	Part No.
MAKITA	240	16174
METABO	240	80763

Heavy Duty Turbo Shears

- Heavy duty jaws and gearing
- Suitable for cutting 18 gauge galvanized steel
- Fits most 14.4 V or larger drills



PART No.	20324

Wiss® Tinsnips

- Ideal for gutter and flashing work
- Superior cutting qualities
- Extra tough, wear resistant jaws
- Non slip serrated jaws
- High strength steel handles
- Colour coded handles
- 40 mm length of cut



Colour	Part No.
Green	18744
Red	18774
Yellow	18804

Wiss® Offset Tinsnips

- Used in long inside cuts
- Keeps hands above work



Colour	Part No.
Green	18834
Red	18864

CRIMPERS

- Easy to handle
- Greater leverage
- Large crimps help tighter connection



15954

Blades	Part No.
3	15953
5	15954

Silicone Gun

- Open frame
- Curved push rod ideal for hanging on gutters, ladders and belts etc.
- Refer to the Gaskets and Sealants Section for our range of silicones.



PART No.	16085

SOCKET, WRENCH AND VICE

Stanley® Metric/Imperial 1/2" Drive Socket Set

- High quality, chrome vanadium steel
- Highly polished and machine finished
- Supplied in numbered inset steel case
- 43 Piece

Set Includes

- 20 x Metric sockets (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 mm)
- 15 x Imperial sockets (3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 3/16, 1 1/4")
- Heavy duty reversible ratchet handle
- Flex bar
- Universal joint
- 3 x Extension bars (75, 125, 250 mm)
- Spark plug sockets (5/8 and 13/16")



PART No. 16565

Metric/Imperial 3/4" Drive Socket Set

- Heavy duty, chrome plated steel
- Suited to heavy industrial applications
- Double hex socket design
- 27 Piece

Set Includes

- 10 x Metric sockets (22, 24, 27, 30, 32, 36, 38, 41, 46, 50 mm)
- 12 x Imperial sockets (7/8, 15/16, 1, 1 1/8, 1 3/16, 1 5/16, 1 3/8, 1 7/16, 1 5/8, 1 3/4, 1 7/8, 2")
- Reversible ratchet handle (500 mm)
- Sliding T-bar (450 mm)
- 2 x Extension Bars (100, 200 mm)
- Steel case with locking clasp



PART No. 16595

IMPACT SOCKET SETS

1/2" Drive Long Sockets

- Withstand higher torque
- Ideal for protruding bolts or recessed bolts
- Suit standard 1/2" drive ratchets, air and electric rattle guns and torque wrenches
- 6 point single hex provides greater surface contact

Size (mm)	Part No.
17	24331
18	80690
18	12032
20	14145
21	14365
22	80691
23	81562
24	23791
25	80692
26	80693
27	80694
28	85417
30	80695



1/2" Drive Extended Sockets

- 127 mm long, ideal for gibault joints and repair clamps
- Sockets can be ordered to longer lengths on request

Size (mm)	Part No.
17	59841
18	59842
19	59405
20	59843
24	59406
26	85254
28	85456
30	59407



THRUBOLT SOCKET SETS

GearRatchet® Socket Sets

- Up to 40% stronger than traditional socket systems due to eliminating the drive tang
- Pass-Thru® ratchet and socket system allows thrubolt applications and eliminates the need for deep sockets
- Ratchet requires as little as 5° arc to operate
- Adaptors supplied to convert the ratchet to a standard ratchet drive
- Sockets fit within head of ratchet thus reducing height by 50%

GearRatchet® M20 Socket Set

Set Includes

- 10 x Sockets (10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm)
- Gear Ratchet® reversible ratchet handle
- Socket extension (75 mm)
- M20 to 1/4" drive adaptor
- M20 to 3/8" drive adaptor
- Sturdy plastic case



PART No.	57702

GearRatchet® Handles



Drive	Part No.
M20	54987
M30	54986

Prospec® Thrubolt Ratchet Set

- Australian designed and manufactured
- Unique design allows bolt to pass through centre of socket
- Interchangeable sockets
- Removes the need for long sockets and spanners in confined spaces
- Sockets are dual size, similar to Metrinch® design
- Individual sockets can be added to set on request
- Supplied with a sturdy steel toolbox
- All parts available separately

Set Includes

- 8 x Sockets (19, 21, 22, 24, 25, 27, 28, 30 mm)
- Ratchet wrench
- Steel tool box







PART No.	12382

PARTS AND ACCESSORIES

Prospec® Thrubolt Sockets

Size (mm)	Part No.
13	65634
14	65664
15	65694
16	65724
17	65754
18	65784
19	39132
21	39172
22	39202
24	39232

Size (mm)	Part No.
25	65604
27	39322
28	39352
30	39382
32	39412



Prospec® Thrubolt Ratchet Wrench

- Patented design allows bolts to pass through wrench without hindering ratchet action
- Specially designed teeth ensure solid locking action within wrench, increasing leverage and effectiveness
- Wrench is fully compatible with Prospec® Utility Socket Sets when used with the adaptor



PART No.	12442

Prospec® Utility Socket Sets

- Sturdy, robust, high quality tools providing long service life
- Unique thrubolt design allows nuts to be tightened on a huge range of pipe clamps, gibaults and flanges
- Essential for maintenance on all types of water and gas mains and water meter installations
- Caters for sizes up to 40 mm
- Sets include the exclusive 1/2” and 5/8” maincock sockets
- Contained in a compact tool box
- Basic set can be added to at later stages and all parts can be purchased separately

Basic Set Includes

- T-Bar
- 8 x Sockets (18, 20, 24, 27, 30, 32, 35, 40 mm)
- 2 x Pathtap sockets (1/2, 5/8”)
- Toolbox

PART No.	10202



Complete Set Includes

- 8 x Sockets (18, 20, 24, 27, 30, 32, 35, 40 mm)
- 2 x Pathtap sockets (1/2, 5/8”)
- T-Bar
- Ratchet wrench
- Thrubolt wrench adaptor
- Tom Davis set
- Easy out
- Toolbox

PART No.	10232



Path Tap Sockets

- Square opening suits most maincocks
- Easy operation to turn TPFNRs and maincocks on and off
- Quickly interlocks to T-Bar
- Use with ratchet wrench via adaptor

Size (“)	Part No.
1/2	42012
5/8	42022



Tom Davis Set



- Included in complete set
- 2 sizes suit most maincock types
- Allows easy removal of taps, TPFNRs and maincocks
- Quickly fits Prospec® T-Bar

PART No.	10292

Sockets



Size (mm)	Part No.
18	42032
20	42042
24	42052
26	42065
27	42062
30	42072
32	42082
35	42092
40	42102
46	85428

Easy Out

- Easy removal of broken maincock threads
- Solid construction enables long product life
- Quickly locks to Prospec® T-Bar
- Use with ratchet wrench via adaptor



PART No.	10262

Prospec® Thrubolt Wrench Adaptor

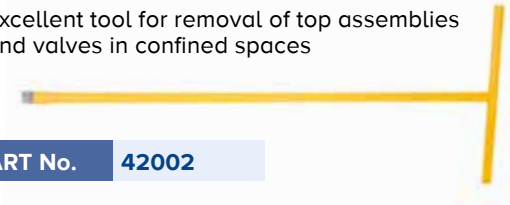
- Allows ratchet action on all tools by adapting Prospec® Thrubolt Ratchet Wrench to suit all utility set components



PART No.	10172

T-Bar Wrench

- Square drive for quick changing of sockets
- Replaces the need for different size T-spanners
- Excellent tool for removal of top assemblies and valves in confined spaces



PART No.	42002

T-Bar Extensions



Size (mm)	Part No.
500	58171
1200	57465

Rapid Grip® Wrench Attachment

- Ideal for meter nuts with difficult access
- Quickly fits to Prospec® T-Bar Wrench
- Spring loaded jaw opens to 65 mm



PART No.	69742

SPECIALISED SOCKET SETS

Mixer Tap Socket Set

- Includes sizes to suit most mixer taps and flexible connectors
- Compact ratchet ideal for restricted space
- Deep sockets allow for better hold on nuts
- Unique palm wrench can be used with extension bar for hard to reach areas
- Universal joint allows for any angle of approach
- Contained in compact steel case

Set Includes

- 8 x Long sockets (8-15 mm)
- Ratchet handle
- 2 x Extension bars (150, 250 mm)
- Universal joint
- Palm wrench



PART No.	80324

SPANNERS

Ratchet Ring Spanners

- Dual size on each wrench
- Simply flip wrench to reverse ratchet
- Suits nuts on any length bolt



Size (mm)	Part No.
3/8 x 7/16” (9 x 11 mm)	85981
15 x 17 mm	41474
16 x 18 mm	63124
19 x 21 mm	41464
3/4 x 7/8” (19 x 22 mm)	63184
13/16 x 15/16” (20 x 24 mm)	11504
1 x 1 1/16” (25 x 27 mm)	63154
1 1/16 x 1 1/8” (27 x 28 mm)	39264
1 1/8 x 1 3/16” (28 x 30 mm)	57803

Ratchet Box Spanners

- As little as 5° of movement to operate
- Surface drive box and eliminates rounding of fasteners
- All metal construction, precision machined and specially heat treated to increase strength
- Meets ANSI specifications

Size (mm)	Part No.
16	59909
17	86923
18	85012
19	86924
20	86925
21	86926
22	86927
24	58313
25	85572
27	85573
30	85574
32	86928



RING/OPEN END SPANNERS

- Anti-slip design on open end features a locking groove to prevent slippage (Sidchrome® models)
- Unique arc design increases surface contact by over 400%
- Forged 6140 alloy steel, mirror chrome finish
- Roll wallet to protect wrenches (Sets only)

Metric Spanner Sets

Sizes (mm)	Pieces	Brand	Part No.
6-19	14	Sidchrome®	16535
8-32	16	T&E Tools	86932
6-32	26	T&E Tools	59330

86932



Imperial Spanner Sets

Sizes (mm)	Pieces	Brand	Part No.
1/4-1	13	Sidchrome®	16505
1/4-1 1/4	16	T&E Tools	85796



16505

T-SPANNERS

Socket Style T-Spanners

- Solid, heavy duty impact socket for maximum strength
- 19-24 mm are thrubolt in design, ideal for gibault joints and repair clamps
- Other sizes made to order, please enquire

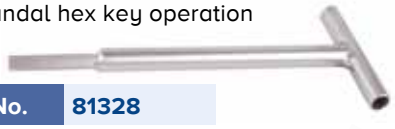


13671

Sizes (mm)	Suits	Part No.
7	Most Hose Clamps	13641
8	Most Plumbqwik® Connectors	13671
12	Smaller Repair Clamps	42202
19	Repair Clamps	13701
24	Hydrant Bolts, Repair Clamps	13731

Hex Style T-Spanners

- Solid welded 12 mm hex on sturdy T-Spanner
- Ideal for underground poly valves that utilise antivandal hex key operation



PART No.	81328

TUBE SPANNERS

Dual Size Tube Spanners

- Used to remove tap top assemblies



Size	Suits	Part No.
A	25 mm ■/24 mm ■	81079
B	24 mm ⬣/22 mm ⬣	47775
C	29 mm ⬣/24 mm ⬣	81080

Tube Spanner Set

- Solid construction, German quality
- Set of 4 spanners (8 sizes) and turning bar supplied in a heavy duty steel case
- Fits all common tap sizes and shapes
- Specific size for in wall spindle extenders
- Will not 'round out' like other tube spanners
- Includes 20, 21, 22, 23, 25, 28 and 29 Hex plus 24mm Square Sockets



PART No.	81383

WRENCHES

SHIFTERS

Irega® Adjustable Shifters

- Heavy duty, chrome finish alloy steel construction
- Wide jaw opening
- Precision broached for positive gripping
- Perfectly parallel jaw surfaces ensure optimum nut grip
- Precision ground jaw slides provide smoother action and accurate adjustment
- Manufactured in Spain exceeding international standards including ISO6787, DIN3117, BS6333 and ASME8107.8M



Size (mm)	Jaw Capacity (mm)	Part No.
100	13	19424
150	19	19524
200	24	19554
250	29	19584
300	34	19614
375	43	19644
450	53	19674
600	62	54684
750	80	19704

Wide Mouth Shifters

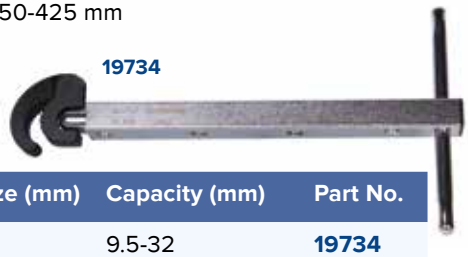
- New slimline jaws ideal for tight spots
- Huge jaw opening
- Ergonomic rubberised grip
- Adjustment spins up to close jaw



Size (mm)	Jaw Capacity (mm)	Part No.
100	18	54114
150	34	81438
200	38	81391
250	50	81415
300	60	56376
Set of 4	18, 34, 38 and 50	54113

Basin Wrenches

- Spring loaded jaw
- Fast, one handed ratcheting
- Tension plug holds head in any position to 90°
- Heavy duty zinc plated steel construction
- Push button adjustment for length extension from 250-425 mm



Size (mm)	Capacity (mm)	Part No.
32	9.5-32	19734
65	23-65	19764

Ridgid® Chain Wrenches

- Double jaw provides fast ratchet-like action in either direction
- Ideal for use in close quarters
- Replaceable jaws in heavy duty models



Sizes (mm)	Type	Model No.	Pipe Capacity (mm)	Chain Length (mm)	Part No.
300	Light Duty	C12	100	390	19974
350	Heavy Duty	C14	125	460	11004
450	Heavy Duty	C18	125	500	11034
600	Heavy Duty	C24	125	500	11064
900	Heavy Duty	C36	185	725	11094

Ridgid® Chain Tongs

- Designed and sized to provide extra leverage on tough jobs
- Double ended tong allows jaws to be reversed for longer product life
- Can be used in either direction simply and easily

Single End Chain Tongs



Size (mm)	Total Length (mm)	Capacity (mm)	Chain Length (mm)	Part No.
100-450	2206	114-450	1892	19794

Double End Chain Tongs



Size (mm)	Total Length (mm)	Capacity (mm)	Chain Length (mm)	Part No.
65	700	13-78	445	**19824**
100	939	26-114	572	**19854**
150	1117	33-168	813	**19884**
200	1276	48-219	1029	**19914**
300	1625	60-323	1410	**19944**

FOOTPRINT® WRENCHES

Standard Footprint® Wrenches

- Thumbturn knurl for easy one handed adjustment
- Ideal multipurpose wrench
- Solid forged hook
- Pressed steel frame



Size (mm)	Jaw Capacity (mm)	Part No.
175	45	**11244**
225	65	**11274**
300	95	**11304**
Set of Three	45, 65 and 95	**11275**

Ridgid® Hex Wrenches

- Multisided secure grip on all hex nuts, square nuts, unions and valve packing nuts
- Extra wide jaw opening is ideal for sink and drain nuts
- Smooth jaw to protect chrome and brass finishes



Model No.	Pipe Capacity (mm)	Part No.
E110	29-67	**11364**
17	16-30	**55175**
25	25-50	**11365**

MULTIGRIP WRENCHES

Water Pump Pliers (Multigrips)

- 7 grip positions
- Self-locking jaws
- Long slim head for tight spots
- Ergonomic non slip handles
- High grip, induction hardened, jaw toothing



Size (mm)	Size (“)	Part No.
240	9 1/2	**11424**
300	12	**11394**

Channellock® Wrenches

- High carbon steel jaws
  Channels allow firm locking around nuts and pipes
- Reinforcing flange reduces stress breakage
- Permalock™ fastener ensures secure grip



Size (mm)	Jaw Capacity (mm)	Part No.
250	50	**11124**
300	57	**11154**
400	108	**11184**
500	140	**11214**

PODGER WRENCHES

Standard Podger Wrenches

- Heavy duty reversible ratchet
- 2 sizes per wrench
- Long podger point for many useful purposes

Size (mm)	Part No.
17 x 19	**53034**
18 x 24	**20082**
19 x 21	**53064**
19 x 22	**11434**
19 x 24	**11444**
22 x 24	**53094**
24 x 27	**61654**
24 x 30	**11464**
27 x 32	**53124**
32 x 36	**69714**
46 x 50	**81631**



Super® Rubber Gripped Podger Wrenches

- Heavy duty reversible ratchet
- 2 sizes per wrench
- Long podger point for many useful purposes
- Secure heavy duty rubber grip for easier use especially when moist



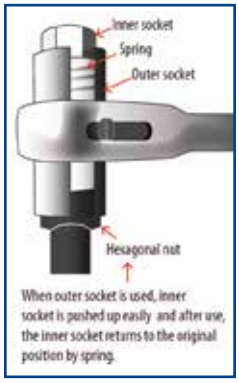
Size (mm)	Part No.
19 x 24	85433
24 x 30	85434

Super® 4 in 1 Podger Wrench

- 17, 19, 21 and 24 mm
- All popular sizes in one tool
- Heavy duty reversible



PART No.	59132



SPRING LOADED WRENCHES

Ridgid® Rapidgrip Wrenches

- Lightweight aluminium
- Unique jaw design
- Aggressive tooth design for secure grip
- Thumb trigger
- Easy application and removal
- Spring loaded jaw
- One handed adjustment, rapid ratcheting action



Size (mm)	Fittings Capacity (mm)	Pipe Capacity (mm)	Part No.
350	37.5	50	81073
450	62.5	75	81074

Ridgid® Spud Wrench

- Narrow jaws for tight spots
- Smooth toothless jaws ideal for square or rectangular stock
- Will not mark chrome or brass finishes
- Length 300 mm
- Capacity 10-67 mm

PART No.	11514



PIPE STILLSONS

Heavy Duty Stillsons

- Heavy duty cast iron wrench
- I-beam construction provides greater strength in the handle
- Fully forged floating hook jaw
- Non stick adjustment nut

Length (mm)	Capacity (mm)	Part No.
150	20	12074
200	25	12084
250	40	12114
300	50	12144
350	50	12174
450	65	12204
600	80	12234
900	125	12264
1200	150	12294
1500	200	12324



End Type Stillsons

- Fast grip in restricted spaces
- Easy glide nut allows non stick adjustment
- Angled opening jaw provides ideal access against walls

Length (mm)	Capacity (mm)	Part No.
150	20	11844
200	25	11874
250	40	11904
300	50	11934
350	50	11964
450	65	11994
600	80	12024
900	125	12054



Alloy Straight Stillsons

- 40% lighter than cast iron stillsons
- Strong, lightweight and well balanced
- Forged floating hook jaw
- Non stick adjustment nut

Length (mm)	Capacity (mm)	Part No.
250	40	11634
300	50	80680
350	50	11694
450	65	11724
600	80	11754
900	125	11784
1200	150	11814



Alloy Offset Stillsons

- Jaw opens parallel to handle
- Narrow hook jaw head provides easier access to tight spots
- Lightweight cast alloy handle
- All jaw parts replaceable

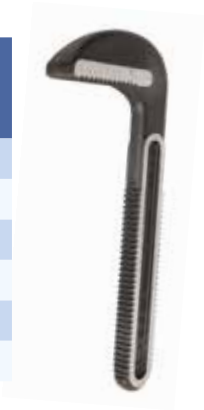
Length (mm)	Capacity (mm)	Part No.
350	50	**11544**
450	65	**11574**
600	80	**11604**



STILLSON PARTS

Stillson Hook Jaws

Suits		Part No.
Metric (mm)	Imperial (“)	
350	14	**86943**
450	18	**86944**
600	24	**57195**
900	36	**59655**
1200	48	**58690**
1500	60	**85365**



Stillson Heel Jaw and Pins

Suits		Part No.
Metric (mm)	Imperial (“)	
300/350	12/14	**85992**
450	18	**85502**
600	24	**57849**
900	36	**57848**
1200	48	**58170**
1500	60	**58467**



Stillson Roll Nuts

Suits		Part No.
Metric (mm)	Imperial (“)	
350	14	**86952**
450	18	**86953**
600	24	**59849**
900	36	**59850**
1200	48	**85194**
1500	60	**86954**



Stillson Coil/Flat Spring Sets

Suits		Part No.
Metric (mm)	Imperial (“)	
350	14	**86959**
450	18	**86960**
600	24	**59836**
900	36	**59837**
1200	48	**58578**
1500	60	**86376**



Stillson Heel Jaw Pins

Suits		Part No.
Metric (mm)	Imperial (“)	
1200	48	**59293**
1500	60	**57468**



STRAP WRENCHES

Ridgid® Heavy Duty Strap Wrenches

- Ideal for polished pipe
- Strong woven nylon strap gives extra tight grip
- Polyurethane coated strap prevents scratching
- Can be used on any plastic, brass, chrome or stainless tubing
- Replacement straps available



Model No.	Length (mm)	Tube Capacity (mm)	Strap Length (mm)	Part No.
2	300	90	425	12344
2	300	135	760	80697
5	450	175	750	12354
5	450	300	1200	80698

TORQUE WRENCHES

Standard Torque Wrench



- Ideal for use on repair clamps and gibaults where pre-set torque is required
- 1/2” drive adapts to most sockets
- Adaptor available for use with Cadia utility sockets, providing thrubolt capabilities
- Range 30-150 ft/lb

PART No. 72202

Torque Wrench

- Pre-set to correct torque for all 100 mm and 150 mm Fernco Style Connectors



PART No. 29621

SPECIALISED WRENCHES

Storz Wrenches



- Strong cast alloy construction
- Suitable on most Storz fittings
- Especially designed for uncoupling seized fittings

Description	Part No.
38-65mm	57632
Folding	85745



Manganese Spanner

- Solid, polished brass tool
- 300 mm long for maximum leverage
- Used on standpipe adaptors and Victorian hydrants

PART No. 85480



Standpipe Adaptor Spanner

- Suits all standpipe adaptors
- Strong cast alloy construction

PART No. 82329



POLY FITTING WRENCHES

Nylon Poly Fitting Wrench

- Suits most brands of poly fittings 16-32 mm
- Does not damage fittings
- Easy to use, ideal for loosening tight or stubborn fittings

PART No. 59908



Aluminium Poly Fitting Wrenches

- Heavy duty tool
- Will not damage fittings
- Available in 2 tools to suit sizes up to 110 mm

Size (mm)	Part No.
40-63	86970
75-110	86971



IO Cap Tool

- Never struggle with IO caps again
- Sturdy plastic construction
- Super strong grab ring locks onto cap for quick and easy remc

PART No. 86362



BENCH VICES

Ridgid® Plumbers Vices

- Sleek, rugged, high tensile, drop forged steel construction
- Rolled double lead acme screw
- Large working areas to ensure maximum gripping
- Fixed pipe jaws
- Large hardened anvil
- 360° swivel base with dual draw down bolts



Model No.	Jaw Width (mm)	Jaw Capacity (mm)	Pipe Capacity (mm)	Part No.
F45	115	150	9.5-75	19374
F50	125	191	13-90	19384
F60	150	216	13-100	80699

CHAIN VICES

Ridgid® Top Screw Chain Vices

- Bench mountable
- Rugged cast iron base
- Screw handle winds in from top side of use
- Hardened alloy steel jaw
- Heavy duty construction
- Handy pipe rest and bender integrated in base



Model No.	Pipe Capacity (mm)	Part No.
210	3-65	**19344**
410	3-100	**80700**
610	6-150	**80701**
810	13-200	**80702**

Ridgid® Bottom Screw Chain Vices

- Crank handle anchored to base
- Solid cast construction with heavy duty chain
- Pipe rest and bender is incorporated into base
- Bench mountable with bottom winding screw
- Available to suit pipes up to 100 mm Ø



Model No.	Pipe Capacity (mm)	Part No.
2A	3-50	**19284**
4A	3-100	**80703**

Ridgid® Post Type Chain Vice

- Light yet strong portable vice
- Ideal for onsite fabrication and installation jobs
- Fits to any shape or kind of post or upright
- Base incorporates handy pipe bender and pipe rest
- Tray to hold oil can is formed into casting
- Suits pipes 3-125 mm Ø



PART No.	19314

WHEELER REX® PIPE VICES

- Portable and quick to assemble
- Quick release chain provides positive gripping
- Adjustments are fast to accommodate different pipe sizes
- Adjustable length to suit work in all types of situations
- Legs supplied to complete the set





Model No.	Pipe Capacity (mm)	Part No.
60	18-150	**80704**
150	18-375	**80705**
200	18-500	**19404**
280	18-700	**80706**

Ridgid® Tri-Stand Vice

- Integrated legs fold for easy set up and transport
- Treble pipe benders integrated into heavy duty base
- Ceiling brace screw
- Huge working area
- 150 mm pipe capacity



PART No.	19464

STANDPIPES

Standpipes are widely used by councils, water authorities and contractors

- Ideal for transfer of water and flushing of charged lines
- All standpipes are manufactured to Australian Standards
- All lengths refer to barrel length


NSW FB thread standpipe


CFA thread standpipe


QLD thread standpipe


SA thread standpipe

ALLOY STANDPIPES

- Alloy 360° swivel head barrel with brass stem and base
- Lightweight and economical
- Painted fire engine red for high visibility
- 20 mm capped outlet at rear of head
- Can be repaired


12662

Type	Length (mm)	Finish	Part No.
CFA	560	Unpainted	12632
CFA	560	Red	12636R
CFA	860	Red	42762
NSW	560	Unpainted	12662
NSW	560	Red	12662R
NSW	860	Red	42792
QLD	560	Unpainted	42852
QLD	560	Red	42852R
QLD	860	Unpainted	42912
WA BIC	560	Red	58708

GUNMETAL STANDPIPES

- Extremely durable and heavy duty
- 360° swivel head
- 480 mm barrel length
- Brass and copper construction
- Painted red
- 20 mm capped outlet at rear of head
- Can be repaired


12692

Type	Part No.
CFA	12692
NSW FB	12722
QLD	42882

DOUBLE HEADED STANDPIPES

- Ideal for dual feeding while testing
- Alloy head and barrel with brass stem and base
- Supplied with blanking cap
- Painted red or yellow


53752

Type	Length (mm)	Part No.
CFA	560	53752
NSW FB	560	53662
QLD	560	53692
SA	560	53722

SCREWDOWN STANDPIPES

- 65 mm alloy barrel with 360° swivel head
- No spindle
- Female NSW base thread screws directly into isolation valve
- Painted fire engine red



PART No.	58958

CONTRACTOR STANDPIPES

- Fitted with standard 20 mm hose cock
- Robust gal and brass construction
- Available with a 25 or 40 mm barrel


12602

Size	Length (mm)	Part No.
25	560	12602
25	860	42822
40	560	59672

METERED STANDPIPES

Contractor Metered Standpipe



- Robust gal and brass construction
- Painted fire engine red
- Dual check meter fitted complete with 20 mm hose cock
- Available in 40 mm if required (please enquire)
- 560 mm barrel length

PART No.	80975

Standard Alloy Metered Standpipes

- Ideal for metering bulk water users
- Alloy 360° swivel head and barrel
- Stainless steel strainer in base to prevent any damage to meter by debris or stones that may be in the water or hydrant
- Capped 20 mm outlet at rear of head
- Can be used with flow meters to test in-ground hydrants
- Meter can be replaced



11552

Type	Outlet (mm)	Length (mm)	Part No.
BSP	32	750	74322
BSP	65	750	11522
CFA	65	750	11552
NSW FB	65	750	11582
QLD	65	750	20262
NSW FB	65	1100	57506

Digital Flow and Pressure Standpipes



- Pressure and flow testing in one unit
- Dual gauges, low and high pressure
- Flow regulator valve
- Digital meter (flow and consumption)
- Australian fire standards flow chart software included

Outlet	Part No.
NSW	86438
QLD	36430
CFA	36429
STORZ	58726



Digital Metered Standpipes

- Lightweight alloy
- Easy read digital read-out





Outlet	Part No.
NSW	32428
QLD	32429
CFA	32430
STORZ	32427



STANDPIPE ACCESSORIES

Standpipe Locking Device

- Strong steel product
- Enables standpipe to be locked on or off
- Ideal for onsite work e.g. temporary water services





PART No.	58799

ADAPTORS

Storz Fittings

- Aluminium forged couplings
- Quick release action is ideal for many industrial hose applications
- Accepted worldwide for fire fighting applications


68992

Storz x Female Adaptors

Storz Size (mm)	Thread Size (mm)	Thread	Part No.
38	38	BSP	57521
50	50	BSP	77472
65	50	BSP	68992
65	65	BSP	64622
65	65	NSW	44052
65	65	CFA	44082
65	80	BSP	85534
80	65	BSP	85533
80	80	BSP	64652

Storz x Male Adaptors

Storz Size (mm)	Thread Size (mm)	Part No.
38	38	58143
50	50	86279
50	65	86280
65	50	86281
65	65	86282
65	80	86287
80	50	86285
80	65	86284
80	80	86283


86282

Storz x Tail Adaptors

Storz Size (mm)	Tail (mm)	Part No.
40	40	57636
50	50	81152
65	50	44202
65	65	44172
80	80	86286


81152

Plastic Blanking Cap

- Includes wire rope and fixing hook to secure to hydrant, landing valves or standpipe
- Size 65 mm

PART No.	59898



Alloy Blanking Caps

- Includes chain for fixing to hydrants or standpipes

Size (mm)	Part No.
38	86073
50	86074
65	57463
80	86075


57463

Storz Adaptor Seals

Size (mm)	Part No.
50	80950
65	67522
80	80952


67522

STANDPIPE THREAD ADAPTORS

- High quality, precision milled brass
- Extremely durable and robust
- Will adapt most standpipes to standard BSP thread
- Self sealing, can be used many times
- All adaptors have 65 mm inlet with varying threads to suit respective standpipes

COUNTRY FIRE AUTHORITY (CFA) ADAPTORS

CFA Thread Female x Male BSP Adaptors

Outlet (mm)	Part No.
20	43062
25	59049
40	43092
50	43122
65	43152


43122

CFA Thread Female x Female BSP Adaptors

Outlet (mm)	Part No.
50	59930
65	81357


81357

CFA Thread Female x Tail Adaptors

Outlet (mm)	Part No.
40	68932
50	42972
65	43002
80	76962


43002

CFA Thread Male x Tail Adaptors

Outlet (mm)	Part No.
40	64702
65	80949



NSW FIRE BRIGADE ADAPTORS

NSW Thread Female x Male BSP Adaptors

Outlet (mm)	Part No.
20	12392
25	12422
40	12452
50	12482
65	44232



NSW Thread Female x Female BSP Adaptors

Outlet (mm)	Part No.
20	41842
50	58335
65	77502



NSW Thread Female x Tail Adaptors

Outlet (mm)	Part No.
50	41852
65	42942
80	64682



NSW Thread Male x Tail Adaptors

Outlet (mm)	Part No.
50	68962
65	43032



NSW Thread Female x Hydrant Yoke Adaptor

- Alloy construction
- Adapts isolation valves fitted with a NSW adaptor to a standard hydrant yoke

PART No.	58498



QLD FIRE BRIGADE ADAPTORS

QLD Thread Female x Male BSP Adaptors

Outlet (mm)	Part No.
20	77262
25	77292
40	77322
50	77352
65	77382



QLD Thread Female x Tail Adaptors

Outlet (mm)	Part No.
50	77412
65	77442



QLD Thread Male x Tail Adaptors

Outlet (mm)	Part No.
40	80944
50	80945
65	80946



SOUTH AUSTRALIA FIRE BRIGADE (SAFB) ADAPTORS

SAFB Thread Female x Male BSP Adaptors

Outlet (BSP)	Part No.
20	86895
25	80505
40	86894
50	80501
65	86896



Threaded Adaptor Seal

- Fits all threaded standpipe adaptors

PART No.	12812



STANDPIPE REPLACEMENT PARTS

Mushroom Cap Kits

Type	Suits	Part No.
Style A	Gunmetal and alloy standpipes	78112
Style B	Older style standpipes	11762
Style C	Metered standpipes	80953

Before ordering, please confirm your needs with one of Cadia's experienced team


78112


11762


80953

Standpipe Base Washers

Type	Part No.
Leather	12752
Nylon	12782
Rubber	44412




12752 12782 44412

Standpipe Meter Replacement

PART No.	66442

Standpipe Repair & Calibration Service

Cadia offers a service to repair and calibrate all brands of standpipes, please enquire.
Cadia also specialises in high pressure rubber hoses, especially used between standpipes to fill new water mains for testing etc.
Please enquire.



STANDPIPE TOOLS

Storz Spanners

- Strong cast alloy construction
- Suitable on most Storz fittings
- Especially designed for uncoupling seized fittings



Description	Part No.
38-65 mm	57632
Folding	85745



Manganese Spanner

- Solid, polished brass tool
- 300 mm long for maximum leverage
- Used on standpipe adaptors and Victorian hydrants



PART No.	85480

Adaptor Spanner

- Suits all threaded standpipe adaptors
- Strong cast alloy construction



PART No.	82329

STRIKING AND DEMOLITION

Tomahawk

- Drop forged 675 g head
- Bi-material rubberised fibreglass handle



PART No.	14596

Axe

- Robust 1.8 kg forged and tempered head
- Heavy duty fibreglass handle



PART No.	13005

CHISELS AND BOLSTERS

Cold Chisels

- High quality carbon steel
- Made in the UK

Size (mm)	Length (mm)	Part No.
13	150	13725
19	200	13755
25	250	13785



WOOD CHISEL SETS

3 Piece Set

- Solid one-piece carbon rich steel forging
- Striking cap for use with most hammers
- Soft grip ergonomic handle helps reduce fatigue
- For use with mallet
- Impact resistant polypropylene core handle
- Includes 13, 19 and 25mm chisels





PART No.	13815

HAMMERS

Ball Pein Hammers

- High carbon, steel forged head, hardened and tempered
- Polished face and pein
- Ball end is ideal for rivets
- High quality fibreglass handle



Size (g)	Part No.
560	58723
680	14355

Fibreglass Handle Claw Hammers

- Fully polished drop forged carbon steel head
- Chip resistant chamfered poll
- Double bevelled claw
- Heat/cold-resistant epoxy bonded head and handle
- Sturdy fibreglass handle with contoured grip



Size (g)	Part No.
560	14385
680	86272

Fibreglass Handle Lump Hammer

- Quality forged head
- Impact faces are control gas fired heat treated to ensure hard durable striking surface
- FiberPro® handle – the toughest on the market
- Ideal for use with chisels, punches and drifts
- Perfect for heavy blows with limited swing



PART No.	14415

Fibreglass Handle Hammers

- Forged head provides maximum impact strength
- FibrePro® handle is constructed with a solid fibreglass core, with strong polypropylene moulded cover, delivering a supremely strong, impact resistant handle
- Ideal for striking wood, concrete, metal and stone
- Suited for driving timber and steel stakes, posts etc.
- Perfect for all demolition jobs



Size (kg)	Part No.
1.8	14445
2.7	14475
3.6	14505
4.5	14535
5.4	14495
7.5	41905

LEAD WORKING TOOLS

- Shapes sheet lead, aluminium or iron flashings quickly and easily
- Heavy duty timber tools
- High quality mountain ash

Tinsmans Mallet



PART No. 18604

Bossing Mallet



PART No. 66984

Lead Dresser



PART No. 17124

Bossing Stick



PART No. 15654

Bending Stick



PART No. 15564

PUNCHES

Gutter Nail Punch

- Ideal for use on all concealed gutter brackets
- Holds nail securely, ensuring simple easy operation
- Cannot over drive nails
- Strong and durable for extended lifetime of use
- Soft grip for easy holding

PART No. 47595



Letter Punch Sets A-Z

- Machined from high quality alloy steel
- Heat treated for maximum toughness
- Tapered points and additional mark for accurate positioning
- Individually marked with size and character identifier

Size (mm)	Part No.
5	15575
6	15545
8	15495
10	15585
12	15605



Nail and Centre Punch Set

- High carbon, heat treated tool steel
- Includes centre punch and nail punch 1.6 and 3.2 mm

PART No. 20115



Number Punch Sets 0-9

- Machined from high quality alloy steel
- Heat treated for maximum toughness
- Tapered points and additional mark for accurate positioning
- Individually marked with size and character identifier

Size (mm)	Part No.
5	15665
6	15785
8	15755
10	15725
12	15815



TAPPING EQUIPMENT

MANUAL TAPPING EQUIPMENT

Rapid Tap™

- Proven and popular tapping tool
- Solid brass construction
- Drills manufactured from the highest quality steel, genuine Sutton® Drills
- Compact and easy to use, provides the essentials for any job
- Suitable for tapping 20-25 mm offtakes in PVC, DI and AC lines



Kit Includes

- Rapid Tap™ drilling tool
- 20 and 25 mm TPFNR adaptors
- 20 and 25 mm tipped drills
- 20 and 25 mm PVC holesaws
- Ratchet spanner
- TPFNR valve key
- Barrel spanner
- 20 and 25 mm ball valve adaptors
- Heavy duty steel tool case

PART No.	12962

PARTS AND ACCESSORIES

Ball Valve Adaptors

Size (mm)	Part No.
20	80822
25	80823

80823



TPF Adaptors

Size (mm)	Part No.
20	20212
25	80824

20212



TPFNR Adaptors

Size (mm)	Part No.
20	13332
25	13352



13352 13332

Plain Drills

- For PVC and steel tappings

Size (mm)	Part No.
16	78872
20	13192
25	13222



13222

PVC Holesaws

- Used on PVC lines
- Removes plug from pipe

Size (mm)	Part No.
20	13072
25	13102



13102

Tipped Drills

- Used to tap offtakes on DI, CI, PVC and AC pipes

Size (mm)	Part No.
16	20002
20	13342
25	13372



13342

Drill Extension

- Fits all Rapid Tap™ drills and holesaws
- Extends length by 70 mm

PART No.	13052



Insertion Tools

- Used to insert plastic bush into open tapping to protect against contamination and corrosion

Size (mm)	Part No.
20	13582
25	13612



13582

Insertion Brushes

Size (mm)	Part No.
20	13132
25	13162



TPFNR Valve Key

PART No.	13322



Ratchet Spanner

- 1/2” drive

PART No.	34742



Tool Case

PART No.	58803



Seal Kit

PART No.	78632



NORCAST™ SYSTEM

- Heavy duty brass tapping machine
- Ideal for tapping 20 and 25 mm offtakes in PVC, AC and DI pipes
- Supplied complete in steel case



Kit Includes

- Tapping machine
- 20 and 25 mm PVC holesaws
- 20 and 25 mm tipped drills
- 20 and 25 mm plain drills
- 20 mm TPFNR adaptor
- 20 mm ball valve adaptor
- 12 mm (1/2") ratchet handle
- 12 mm (1/2") square drive x 16 mm socket
- Heavy duty steel tool box

PART No.	81563

PARTS AND ACCESSORIES

TPFNR Adaptors

Size (mm)	Part No.
18	58325
20	58200
25	58324



58325

PVC Holesaws

- Used on PVC lines
- Removes plug from pipe

Size (mm)	Part No.
20	20404
25	20405



20404

Plain Drills

Size (mm)	Part No.
20	13802
25	13803



Tipped Drills

- Used to tap offtakes on DI, CI, PVC and AC pipes

Size (mm)	Part No.
20	44862
25	20402



44862

Inliner Tools

- Used to insert plastic bush into open tapping to protect against contamination and corrosion

Size (mm)	Part No.
20	81462
25	81463



81463

MAJOR TAP™

- Suitable for tapping 32, 40 and 50 mm offtakes
- High quality components

Kit Includes

- Major Tap™ drilling tool
- Ratchet spanner
- 32, 40 and 50 mm TPFNR adaptors
- 32, 40 and 50 mm tipped drills
- TPFNR valve key
- Heavy duty steel tool case
- Many replacement parts available

PART No.	12992



PARTS AND ACCESSORIES

TPFNR Adaptors



67192 67222 67252

Size (mm)	Part No.
32	67192
40	67222
50	67252

Plain Drills

- For PVC and steel tappings

Size (mm)	Part No.
32	13252
40	13282
50	13312

13282



Tipped Drills

- Used to tap offtakes on DI, CI, PVC and AC pipes
- Drills can be repaired

Size (mm)	Part No.
32	13402
40	13432
50	13462


13432

Twist Drills

- Ideal for steel and PVC tappings
- Requires a twist drill adaptor to be used

Size (mm)	Part No.
32	20032
40	20042
50	20012


20042

Twist Drill Adaptor

PART No.	65932



Drill Extension

- Size 70 mm

PART No.	41522



Pilot Drill

PART No.	81381



TPFNR Valve Key

PART No.	34772



Ratchet Spanner

- 3/4” drive

PART No.	39502



Tool Case

PART No.	58804



Seal Kit

PART No.	80821



Adaption Kits

- Includes all parts to adapt Major Tap™ machine to tap 80 and 100 mm
- All parts are fully compliant with one another

Type	Part No.
Plain	85206
Tipped	86275


86275

WATGAS™ BORING

- Used for 80 and 100 mm offtakes
- Adaptors available for 150 mm tap ins



Kit Includes

- Major Tap™ drilling tool
- Ratchet spanner
- 80 and 100 mm tipped drills
- 80 and 100 mm flange adaptor
- Spindle extension
- Clearance valve

PART No.	13012

PARTS AND ACCESSORIES

Plain Drills

- For PVC and steel tappings

Size (mm)	Part No.
80	48972
100	49002


48972

Tipped Drills

- Used to tap offtakes on DI, CI, PVC and AC pipes
- Drills can be repaired

Size (mm)	Part No.
80	13492
100	13522
150	13552


13492

Drill Extensions

- Fits all drill sizes from 32-150 mm

Size (mm)	Part No.
85	66652
150	48852
280	63932
350	78842


63932
48852

Arbor and Pilot

- Suits 150 mm tipped drill

PART No.	59891



Pilot Drill

PART No.	85097



Adaption Kits

- Includes all parts to adapt Watgas™ Boring Kit to tap alternative sizes
- All parts are fully compliant with one another
- Part numbers are for adaption kits only. Watgas drilling machine must be purchased separately.

Size (mm)	Part No.
32, 40, 50	80826
150	13042
200	13003



13042



80826

POWER TAPPING EQUIPMENT

Prospec® Tapping Power Drive

- Drives Major Tap™ or Watgas™ boring machines
- Reduces time and increases efficiency to tap large offtakes
- Lightweight and robust
- Includes tapping machine adaptor and square drive adaptor
- Supplied in heavy duty steel case
- Operator friendly (reduces OHS hazards and operator fatigue)





PART No.	80825

PARTS

Tapping Machine Adaptor

PART No.	48762



Square Drive Adaptor

PART No.	41644



Simtap™ Drilling Machine

- Battery drill or pneumatic operation (1/2” drive not included)
- Assembles in seconds
- Taps ductile, PVC, cast and AC pipes
- Up to 80% faster tapping times compared to other manual tapping methods
- Lightweight alloy body and adaptors



1/2” Drive not included with Kit

Kit Includes

- Tapping body
- Slug removal tools
- Pilot drill with retainer
- Full set of carbide tipped cutters (20, 25, 32, 40 and 50 mm)
- Full set of PVC holesaws (20-50 mm)
- Full set of TPFNR adaptors (20-50 mm)
- Multi-purpose spanner

PART No.	86568

Simtap Adaptor Set

- Adapts Simtap for use with ball valves



PART No.	54321

TAP TOOLS

HYDROSEAL® RESTORATION SYSTEM

Complete Restoration Kit

Kit Includes

- Refacing tool (Part no. 78262)
- Cutter head (Part no. 78232)
- Tap thread cleaner (Part no. 81280)
- Set of 6 x 12 mm tap valves (Part no. 59508)



PART No.	80986

Refacing Tool

- Use with any corded or cordless drill
- Repairs tap seats to new condition quickly and easily
- Unique patented cutter will not dig in or chatter
- Interchangeable heads cater for 12, 15 and 19 mm taps
- Stainless steel and brass construction for optimum durability and corrosion resistance
- Tool includes cutter to suit 12 mm (Part no. 78232)
- Adaptor kit for 15 and 19 mm available separately (Part no. 78292)



PART No.	78262

TAP RESEATERS

Standard Reseater

- Straight reseater for superior strength and ease of use
- Reseats 12 and 19 mm taps

PART No.	41494



Super Seater™ Reseater

- Reseats 12 and 19 mm taps
- A super-accurate, fast, user-friendly precision tool
- Operated and removed with fingertip ease
- No spanners or other tools required
- Reseats deeply set tap bodies in tiled walls and vanity basins
- Cuts a parallel, perfect, flat and wide seat on any tap, allowing the washer to seal with little effort
- Manufactured in Australia

PART No.	85210

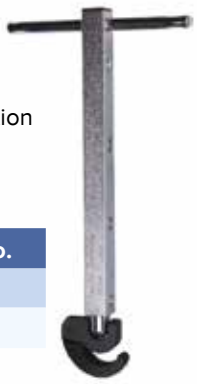


TAP WRENCHES AND SOCKETS

Basin Wrenches

- Spring loaded jaw
- Fast, one hand ratcheting
- Tension plug holds head in any position to 90°
- Push-button adjustment for length extension from 250 to 425 mm

Size (mm)	Capacity (mm)	Part No.
32	9.5-32	19734
65	23-65	19764



Tube Spanner

- Used to remove tap top assemblies



Size	Suits	Part No.
Mini	12 mm ⬣	47805
A	25 mm ■ /24 mm ⬣	81079
B	24 mm ⬣ /22 mm ⬣	47775

Tap Tube Spanner Set

- Solid German quality construction
- Set of 4 spanners (20, 21, 22, 23, 25, 28 and 29 hex plus 24 mm square) and turning bar supplied in a heavy duty steel case
- Fits all common tap sizes and shapes
- Specific size for in-wall spindle extenders
- Will not 'round out' like other tube spanners



PART No.	81383

Vandal Proof Key

- Solid brass construction
- Large key suits 16 spline spindle, the most popular vandal proof key in use
- 4-Way has 4 distinct keys allowing operation of most vandal proof taps



Size	Part No.
Large	78352
4-Way	39442



Mixer Tap Socket Set

- Includes sizes to suit most mixer taps and flexible connectors
- Compact ratchet ideal for restricted space
- Deep sockets allow for better hold on nuts
- Unique palm wrench can be used with extension bar for hard to reach areas
- Universal joint allows for any angle of approach

Kit Includes

- Ratchet
- 2 x extension bars
- Universal joint
- Palm wrench
- 8 long sockets (8-15 mm)
- Compact steel case



PART No.	80324

TAP REPAIR TOOLS

Breech Straightener

- Straightens tap breeches
- Cleans threads of dust and contaminants
- Knurled surface for easy operation
- Can be used to straighten 1/2" BSP lugged elbows



PART No.	58928

TAP HEAD REMOVERS

Economy Remover

- Quickly and efficiently removes stuck tap heads without damage
- Suits almost any tap
- Solid steel tee handle for minimum exertion and maximum force



PART No.	59588

Deluxe Remover

- Designed for commercial plumbers and contractors
- Extremely robust steel construction
- Knurled twist style handle for easy use
- Ideal for removing all styles of tap heads without causing any damage to the head



PART No.	59590

Franz Tap and Die Kit

- Ideal for repairing crossed threads, straightening and cleaning threads
- Suits both internal and external threads
- Perfect kit for maintenance plumbers with 12 and 19mm BSP nuts and 12 and 19 mm BSP taps to suit most domestic taps
- Supplied in a steel tool case with Franz Spindle Cleaner and Bonnet Cleaner T-head tool



PART No.	86213

Spindle Access Drill

- Specially designed to enlarge openings around spindles caused by tiling too close to spindles
- Unique patented nylon brush protects spindle while drilling
- Superior diamond core drill allows perfect cutting of even the hardest porcelain tiles
- Long shank allows maximum control over the cutting depth whilst protecting the spindle



PART No.	86214

TOOL STORAGE

TOOL BOXES

Utility Tool Boxes

- Strong yet light co-polymer construction
- ABS clips and handles for longer service life
- Weather proof, lockable, strong and durable
- Ideal for general tool storage, first aid kits etc.



29441

Style	Size (L x W x H)	Part No.
Medium	400 x 230 x 140	29441
Large	445 x 254 x 170	86893

Steel Tool Boxes

- Heavy duty steel tool box
- Padlock self-locking clasp
- Powdercoated red



12192

Style	Size (L x W x H)	Part No.
Small	378 x 153 x 123	12192
Medium	448 x 205 x 150	81033
Large	510 x 230 x 230	81034

CARRY ALLS AND ORGANISERS

Plastic Carry All, Medium

- Ideal for small tools used regularly
- Manufactured from sturdy plastic
- Easy to use carry handle
- Dimensions 390 mm long x 240 mm wide



PART No.	53485

44 Pocket Organiser

- Storage compartments designed for various tools
- Transforms a simple bucket into an organised tool storage unit
- High quality canvas construction, does not rust or deteriorate when wet
- Suits most 20 litre buckets



PART No.	13365

CARGO STRAPS

- Multiple uses, extremely versatile and popular
- High quality rubber
- Sturdy steel securing hooks



13515

Size (mm)	Part No.
375	13485
560	13515
790	13545

Endless Ratchet Strap

- Great general purpose restraining strap
- Ideal for use with pipe, conduit, ladders etc. especially when using roof racks
- 25 mm wide x 3.6m long strap with a ratchet tightening mechanism



PART No.	86787

TUBING TOOLS

BENDING SPRINGS

- Allows hand bending of soft copper and aluminium tubing to any shape without collapsing the wall of tubing
- Requires heating of tube prior to bending

Internal Bending Springs

Size (mm)	Size (“)	Part No.
12	1/2	15474
19	3/4	15504
25	1	15534

External Bending Springs





Size (mm)	Size (“)	Part No.
12	1/2	15384
19	3/4	15414
25	1	15444

Ridgid® Tri Bender

- Designed to easily bend three different sizes in one tool
- Capacity 6, 8 and 10 mm (1/4, 5/16 and 3/8”)



PART No.	15294

Two Piece Style Benders

- Lightweight aluminium construction
- Economical cost effective tool
- Ideal for chrome tubing
- Replaceable nylon shoes



Size (mm)	Size (“)	Part No.
12	1/2	15324
19	3/4	15354

LEVER STYLE RIDGID® BENDERS

400 Series Benders

- Full 180° bend capabilities
- Simple construction
- 90° start point
- Accurate, easy to operate
- Unique oil absorbing shoe
- Suited for use on copper, stainless and steel tubing

Size (mm)	Size (“)	Part No.
10	3/8	15295
12	1/2	15114



300 Series Benders

- Bends copper to 180°
- Offset handles
- Cushion grips
- Specially engineered plastic shoe
- Suited to all types of annealed copper
- Simple and easy bending every time

Size (mm)	Size (“)	Part No.
16	5/8	15144
19	3/4	15174



RIDGID® RATCHET STYLE BENDERS

- Highly geared mechanical ratios
- Strong industrial cast alloy construction
- Extremely easy, quick and efficient to use, reduces strain on operator
- Little physical exertion to operate



Size (mm)	Size (“)	Part No.
19	3/4	15264
22	7/8	80780

BRANCHFORMERS

Branchformer System

- Branchforming performed quickly and easily
- Saves time on site
- Reduces material costs
- Simple ratchet operation for both drilling and forming
- Replacement parts readily available

25 mm Kit Includes

- 3 x branchform heads 12, 19 and 25 mm (1/2, 3/4 and 1")
- Adjustable drill 10-54 mm
- Ratchet wrench
- File and handle
- Marking pliers
- Plastic tool box

PART No.	15684



50 mm Kit Includes

- 6 x branchform heads 12, 19, 25, 32, 40 and 50mm (1/2, 3/4, 1, 1 1/4, 1 1/2 and 2")
- Adjustable drill 10-54 mm
- Ratchet wrench
- File and handle
- Marking pliers
- Plastic tool box

PART No.	15714



PARTS

Roll Mandrel

PART No.	80784



Branchform Heads

Size (mm)	Size (")	Part No.
12	1/2	48884
16	5/8	85235
19	3/4	48914
25	1	48944
32	1 1/4	20161
40	1 1/2	20315
50	2	20396



Adjustable Drill

PART No.	78904



Ratchet Wrench

PART No.	20332



File and Handle

PART No.	80782



Marking Pliers

PART No.	80783



Plastic Tool Box

PART No.	80785



TUBE EXPANDERS

Collet Style Expanders

- Compact and easy to use
- Insert in annealed tube and turn nut until desired socket size is formed
- Multiple sizes on most expanders

Size (mm)	Part No.
75-100	16314
125-150	16344
150-200	34314



Ridgid® Model S Series Expanders

- Fast accurate single stage expansion of copper tube
- High quality robust tool
- Free floating and self-centering mechanism
- Heavy duty moulded plastic carry case
- Refrigeration sizes available



Kit	Size (mm)	Part No.
S1	12, 16, 19, 25	85863
S2	12 x 2, 19, 25	85864
S3	10, 12, 19, 25	58120
S5	10, 12, 16, 19	85865
S6	12, 19, 25	16494
S6A	12, 19, 25, 32, 40	80786

REPLACEMENT PARTS

Expander Heads

Size (mm)	Size (“)	Part No.
10	3/8	16524
12	1/2	16554
16	5/8	16584
19	3/4	16614
22	7/8	58478
25	1	16644
28	1 1/8	58477
32	1 1/4	16674
35	1 3/8	58479
40	1 1/2	16704



Expander Handle



PART No.	41614

Plastic Case

PART No.	57744



Ridgid® A1 Expander

- Heavy duty
- Designed to expand copper from 32-100 mm
- Eliminates the need to stock/use expensive fittings
- No problems in confined spaces
- High quality

PART No.	16164



FLARING TOOLS

Block and Pin Flaring Tools

- Extremely economical
- Heavy duty steel pin and block
- Simply hammer pin into tube until flare is formed

Size (mm)	Part No.
12-25	17004
32	17034
40	17064
50	17094



Quick Flare

- Plier style flaring tool with dual flaring capabilities
- Block and pin is combined and contained within the one tool
- Impossible to loose parts
- Simply clamp copper and hammer pin to flare
- Flares both 12 and 19 mm copper

PART No.	16974



Ridgid® Old Style Flaring Tool

- Economy flarer, Model No. 345
- Hardened smooth cone
- 45° single or double lap flare
- Single clamp screw allows fast flaring and removal of tubing
- Size 5, 6, 10, 12 and 16 mm
- Suited for copper, aluminium, brass and mild steel tubing

PART No.	65844



Ridgid® New Style Flaring Tools

- Smooth uniform flares every time
- Hardened steel cone
- Eccentrically mounted in needle bearings
- No galling
- Ratchet action on Model No. 458
- Models 375 and 455 supplied in sturdy plastic case





Model No.	Size (mm)	Flare Type	Part No.
375	12, 16, 19, 22, 25	37°	12902
455	12, 16, 19, 22, 25	45°	16944
458	3, 5, 6, 8, 10, 12, 16, 19	45°	16854

TUBE CUTTERS

Pipeslice™ Cutters

- Compact yet heavy duty
- Ideal for extremely tight access jobs
- Spring loaded wheel, self-adjusts to cut tubing

Size (mm)	Part No.
12	19194
19	19224



Spare Wheel

PART No.	16284

Ridgid® Close Quarters Cutters

- Ideal for tight inaccessible jobs
- Strong lightweight slide and wheel housing
- Large feed screw knob allows easy control of cutting pressure
- Rollers include groove to allow for close-to-flare cuts
- Suits all copper, aluminium, brass and plastic tubing
- 118 Model cutter is self-adjusting

Model No.	Size (mm)	Part No.
101	6-29	18894
118	6-29	69054





Spare Wheel

PART No.	41704

Ridgid® Constant Swing Cutter

- By far the most popular tube cutter available
- Ideal for tight spaces
- Feed screw telescopes, keeping the cutter the same length regardless of tube size
- Enclosed feed screw eliminates clogging and jamming
- Grooved rollers for close-to-flare cuts
- Fold away reamer
- Cuts copper, brass, aluminium and thin wall conduit
- Includes X-CEL® knob and pin for quick, faster cutting and maintenance
- High strength zinc alloy body
- Model No. 150
- Capacity 3-29 mm (1/8-1 1/8")
- Includes spare wheel

PART No.	18954



Spare Wheel

PART No.	41704

Wheeler Rex® Ratchet Cutter

- Fast accurate tube cutting
- Ideal in confined spaces such as wall cavities
- Ratchet handle reduces time
- Size 8-29 mm (5/16-1 1/8")

PART No.	19254



Spare Wheel

PART No.	41784

Ridgid® Tube and Conduit Cutter

- Cuts square and clean every time
- Robust, sturdy and dependable tool
- X-CEL® knob for quicker cutting
- Fold away reamer
- Suits copper, brass, aluminium and thin wall conduit

Model No.	Size (mm)	Part No.
10	12-25	69084
15	19-40	81096
20	16-54	81097



Spare Wheel

PART No.	71332

Ridgid® Quick Release Tube Cutters

- Quick acting design
- I-beam construction
- Hardened wear surfaces
- Thrust bearing slide assemblies
- Quick release action when cutting is finished



Model No.	Size (mm)	Part No.	Spare Wheel Part No.
151	6-41	18984	41704
152	6-67	19014	41704
153	32-90	19044	41704
154	48-114	19074	81070
156	100-168	19104	81070

Ridgid® Multi-Layer Tube Cutter

- Quick acting design
- I-beam construction
- Hardened wear surfaces
- Thrust bearing slide assemblies
- Quick release action when cutting is finished
- Suitable for all lagged tubing up to 50 mm
- Simply cuts lagging and tube in one easy action
- Capacity 10-50 mm

PART No.	80262



Spare Wheel

PART No.	86831

DEBURRERS AND THREAD CLEANERS

Pencil Deburrer

- Handy size with pocket clip
- Ideal for copper, plastic, aluminium and brass
- Swivel blade reduces time spent deburring
- Hardened steel tip with ball end



PART No.	16044

Cone Deburrer

- Inner reaming or outer bevelling
- Used on copper, aluminium and brass
- Triple blade



PART No.	16014

Ridgid® Cone Reamer 227

- 46 cutting edges
- Hardened steel construction
- Inner reaming and outer deburring actions in one tool
- Suits copper and stainless steel tubing
- Sizes 12-50 mm



PART No.	81043

Rems® Drill Deburrer

- Used to quickly deburr copper and stainless steel tubing
- Inner and outer deburring using specially hardened blades
- Adaptor (Part no. 86834) to use with any cordless drill making deburring even quicker
- Can be used manually
- 10-42 mm



86834



PART No.	86833

Trima Thread Cutter

- Fits neatly into power or cordless drills
- Shavings simply fall clear
- Square cut every time
- Replaceable blade available



18884

Description	Part No.
Cutter	18884
Blade (Replacement)	18874



18874

TUBE CRIMPING SYSTEMS

Rems® Akku Press Crimping Tool

- Suits joints from 10-108 mm
- Enormous thrust and pressing force
- Powerful electrohydraulic drive
- Eccentric reciprocating pump with robust planetary gear
- Perfect joint every time, acoustic signal after every successful press
- Can be converted to corded operation
- Compact, handy and light
- Ideal for overhead or confined areas
- Jaws available to suit any crimping system
- Viega® jaws (the most commonly used) are supplied separately
- Supplied in sturdy steel case to protect tool
- 14.4 V battery with 270 W output and rapid charger (1 h)



PART No.	57319

Rems® Akku Press Tool Kit

Kit Includes

- Crimping tool
- Viega® jaws as per table below
- Charger and battery
- Tool case



Jaws	Part No.
3 (15-25 mm)	85555
6 (15-50 mm)	59425

Rems® Mini Press Crimping Tool Kit

- A universal, super handy electric tool with automatic circuit control for producing pipe pressing joints for all common press-fitting systems
- Uses Li-ion technology
- For battery or corded operation



Kit Includes

- Rems® Mini Press Tool
- 3 x jaws (15, 20 and 25 mm)
- Li-ion 14.4 V 1.3 Ah battery

Type	Part No.
PE-X	86998
Cu (Copper)	48004

PARTS AND ACCESSORIES

Akku Press Crimping Jaws

- Jaws listed are for copper pipe

Size (mm)	Part No.
15	54559
20	54560
25	14068
65	13754
80	10841
100	13756
65/80/100	13758



Mini Press Crimping Jaws

- Jaws listed are for copper pipe
- Note, other jaw styles are available, please enquire

Size (mm)	Part No.
15	56076
20	56078
25	56079
32	11869



Replacement Batteries

- 14.4 V

Suits	Part No.
Akku Press (3.2 Ah)	56081
Mini Press (1.6 Ah)	56082



Viega 5 Crimping Tool



PART No.	69226

Viega 5 Crimping Jaws

Size (mm)	Part No.
15	57320
18	53628
20	57321
25	57377
32	59422
40	69230
50	69232
40/50	59423



Viega Picco Crimping Tool



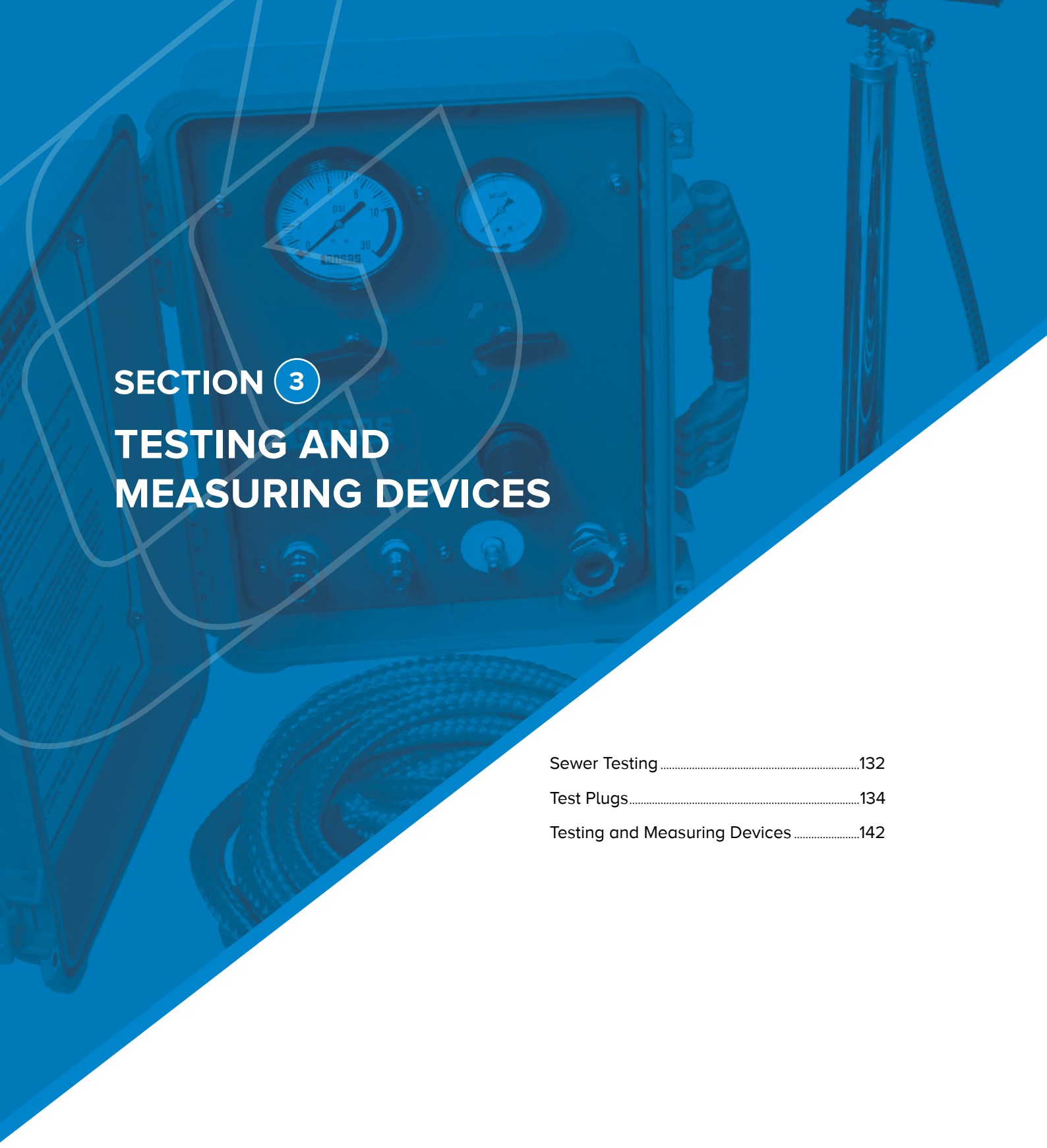
PART No.	69225

Viega Picco Crimping Jaws

Size (mm)	Part No.
15	10244
18	10245
20	53760
25	53761
32	53762



please see Cadia website for product data sheet



SECTION 3

TESTING AND MEASURING DEVICES

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SEWER TESTING

FLOW TRACING

Smoker Unit – Smoker 2

- 2.5 hp Honda® 4 stroke engine
- Enclosed fan system capable of up to 1250 m3/min
- Adjustable inlet damper control to regulate smoke volume and flow
- Utilises Liquismoke™, a tested, non-toxic, non-staining smoke fluid
- Liquismoke™ pressure tank with inline filter and quick disconnect hose
- 100 mm x 1.8 m industrial flexible mining duct to connect to vent stack or clean out
- Continuous and constant smoke production with almost 100% burn – little wasted oil when in use
- Efficient and compact unit
- Weighs 21.5 kg





PART No.	80635

Smoker Unit – Smoker 470

- 5 hp Honda® or Briggs and Stratton® quantum 4 stroke engine
- Fits most round and some square manholes
- Capable of at least 2654 m3/min, at 3.0 bar static pressure
- Utilises Liquismoke™, a tested, non-toxic, non-staining smoke fluid
- Metering valve to precisely control smoke flow and density
- Pressure tank holds approximately 9 L of Liquismoke™, enough for a typical day
- Virtually no waste oil when smoking
- Continuous and constant smoke production
- Weighs 37.5 kg





PART No.	32101

Smoke Bombs

- Produces a thick, dense smoke that is highly effective for performing smoke tests
- Each bomb burns for 60 seconds
- Time proven
- Simple to use
- Can be used with most smoke blowers
- Packs of 12

Running Time	PART No.
30 s	64445
60 s	59368
3 min	12224



SMOKER ACCESSORIES

Smoker Bottle and Pump

- Pressure tank
- Holds approximately 9 L of LiquiSmoke®
- Inline filter and quick disconnect hose

PART No.	85055



Smoker Oil

- Tested, non toxic, non staining
- Will not damage machines or clog lines
- MSDS supplied to ensure correct handling

Size (L)	PART No.
3.8	80636
3.8 x 4	59466
20	59394



Replacement Duct

- 100 mm x 1.8 m flexible duct
- Suits Smoker 2, Part No. 80635

PART No.	86063



Drain Dye

- Designed to trace waterflows in sewerage and stormwater drains
- Non toxic, safe for septic and stormwater applications
- Easy, no mess tracing
- Also available in other colours upon request, minimum quantities apply

Size	Colour	PART No.
40 g	Dual (red/green)	86050
100 g	Red	25021
1 kg	Green	65811



Vacuum Test Pump

- 5 hp Briggs and Stratton® petrol engine
- Low oil shut off to prevent engine failure
- 250 mm Hg of vacuum at 0.4 m/min flow taking approximately 2 minutes for a 5 m manhole
- Oil-free graphite vane vacuum pump
- Smash proof aluminium filter jars



PART No.	12510

Vacuum Test Plates

- Suits a wide range of manhole diameters
- Strong, lightweight aluminium construction
- Tests manholes in minutes
- Complete with vacuum monitoring gauge



Size (mm)	Sealing Range (mm)	PART No.
965	356-864	53890
1118	356-1016	38027

Plate Saver Storage Cover

- Prevents damage to foam pad during storage and transportation
- Ideal for rental/hire applications



Size (mm)	Size (“)	PART No.
965	38	53891
1118	44	38028

Vacuum Generators

- Lower cost alternative for manhole vacuum testing
- No moving parts
- No maintenance required
- More than 40 CFM at 10” Hg vacuum



53889



86630



86629

Description	Capacity (CFM@10” Hg)	PART No.
Air-Loc® 460	14	86629
Air-Loc® 600	42	86630
Lansas Super Vac	>40	53889

Vacuum Testing Kit

PART No.	54185









Kit Includes

- 1 x Super Vac
- 1 x Flat Plate Assembly
- 1 x Plate Saver Storage Cover

DEFLECTION GAUGES

- Strong yet lightweight construction
- Used in conjunction with ventilator and line stringer kits
- Huge range available
- Recalibration available
- Deflection gauges come in many options all dependent on use, please enquire.

Description	PART No.
100 @ 5%	86793
150 @ 5%	86794
225 @ 5%	86795
300 @ 5%	11561
375 @ 5%	11562
450 @ 5%	11563
525 @ 5%	11564





TEST PLUGS

MECHANICAL TEST PLUGS

Single Seal Test Plugs

- Ideal for plumbing system tests
- Used to seal off pipes when testing pipelines up to 600 mm



Size (mm)	Min Ø (mm)	Max Ø (mm)	Outlet Size (mm)	PART No.
50	49	60	13	39771
65	61	75	13	39801
80	73	85	13	39831
90	85	102	13	53808
100	94	110	13	39861
125	121	138	13	39891
150	146	163	13	39921
200	191	211	25	39951
225	216	235	25	39981
250	244	260	25	40011
300	296	314	25	40041
375	365	400	25	40071
450	440	475	25	40101
600	590	630	50	59934

Double Seal Test Plugs

- Used to seal off pipes when testing drain and pipelines
- Ideal for uneven wall surfaces inside pipes
- Ensures square seal



Size (mm)	Min Ø (mm)	Max Ø (mm)	Outlet Size (mm)	PART No.
100	94	110	13	40131
150	146	163	13	40161
200	191	211	25	40191
225	216	235	25	40221
250	244	260	25	40251
300	296	314	25	40281
375	365	400	25	40311

Plug Safe

- Zinc plated steel
- Causes plug to grip twice as tight
- Preventative measure to save the knuckles and wrists from cuts and abrasions
- Suits 40-150 mm pressed steel test plugs





PART No.	78591

Easy Test Plug

- Safe and easy to use
- Simple squeeze together handle allows fast sealing
- 100 mm single size
- Will not disappear down pipe



PART No.	69111

Aluminium Test Plugs

- Quality cast aluminium
- Non-corrosive
- Longer bypass (50 mm)
- Natural rubber



Size (mm)	Min Ø (mm)	Max Ø (mm)	Outlet Size (mm)	PART No.
40	37	53	13	11803
50	48	62	13	11804
65	60	78	13	11805
75	70	89	13	11806
100	94	113	13	39087
125	122	142	13	11807
150	147	170	13	39086
200	187	219	25	11808
225	219	245	25	39085
250	238	272	25	11809
300	296	327	25	11810
375	367	416	25	11811
450	436	486	25	11812
600	585	630	50	11815

Plastic Test Plugs

- Reinforced nylon injection
- Stronger than typical plastics
- 12 mm bypass



Size (mm)	Min Ø (mm)	Max Ø (mm)	Outlet Size (mm)	PART No.
50	48	62	13	11790
65	61	70	13	11791
75	74	85	13	11793
100	95	110	13	11794
150	144	160	13	11590

ALL RUBBER TEST BALLS

Single Size Test Balls

- Compact
- General purpose
- Greater flexibility than mechanical plugs
- Seals round and out-of-round pipes
- 50-150 mm plugs have ring and chain attached to prevent loss by plug sliding down line
- Larger plugs have eyebolt used for tethering, raising and lowering when using poly lift line



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Length (mm)	Head Pressure (m)	PART No.
50	48	57	85	12	**32791**
80	70	83	132	9.1	**32851**
100	87	108	163	9.1	**31381**
150	138	159	230	9.1	**31441**
200	178	210	257	12	**31471**
225	172	230	200	12	**81332**
250	229	260	298	12	**31501**
300	267	311	351	12	**31531**

Multi Size® Test Balls

- The design of multi-size test ball plugs allows one size to fit several pipe diameters



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Length (mm)	Head Pressure (m)	PART No.
800-100	73	114	70	10	**80570**
100-150	89	159	275	10	**31561**
150-200	121	210	330	10	**31591**
200-300	178	311	406	12	**31621**

Double Bladder Joint Testers

- Available for testing up to 100 PSI
- Designed to fit pipe ranging from 600mm-3000mm
- Equipped with adjustable wheels that allow for easy transportation through the pipeline



Pressure	Diameter	PART No.
Low	2750	**91899**
High	1800	**18696**

Cherne® i-series™ Test Balls



- Scaled to fit metric pipe sizes, i-series™ plugs have a large expansion range, allowing them to work in many different sizes of pipe
- The i-series™ plugs are designed to block sewerage or when conducting low pressure sewer air tests
- Full-body, high strength aramid-reinforced natural rubber
- Plugs are bendable to 90°
- Thick rubber body for added durability and exceptional performance
- Available to suit pipe sizes up to 2400 mm

Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Head Pressure (m)	Deflated Length (mm)	PART No.
100-200	92	210	9.1	523	**85806**
150-300	140	310	9.1	667	**59605**
200-400	191	413	9.1	749	**59785**
300-600	279	616	9.1	1003	**57785**
600-1200	521	1270	Varies	1892	**80568**

Muni Test Bags



- Suitable for testing large diameter pipes
- Lightweight
- Flexible, allows feeding through smaller openings
- Heavy duty elastic urethane works in all types of pipe
- Chemical resistant
- Comes equipped with 9 m air hose and fittings
- Sizes 750-1700 mm available with 65 mm flow through upon request

Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Length (mm)	Head Pressure (m)	PART No.
375	373	394	1080	3.5	**80580**
450	451	477	1080	3.5	**80581**
525	523	554	1080	9.1	**80582**
600	597	641	1676	7.6	**80583**
700	673	717	1676	7.6	**80584**
750	747	794	1676	7.6	**80585**
850	820	870	2413	6.1	**80586**
900	896	953	2413	6.1	**80587**
1100	1046	1111	2413	5.5	**80588**
1200	1195	1270	2413	4.0	**80589**
1400	1344	1422	2413	4.0	**80590**
1500	1494	1575	3200	4.0	**80591**
1700	1643	1727	3200	2.4	**80592**

Lansas® Multi Size Flow-Thru™

- Patented design
- Large bypass for maximum flow
- Ideal for sewer bypass and water pipe testing
- Heavy duty rubber sleeve
- Strong steel centre for maximum durability
- Supplied complete with PVC cap



Nominal Size (mm)	Minimum Pipe Diameter (mm)	Minimum Pipe Diameter (mm)	Required Inflation Pressure (psi)	Maximum Back Test Pressure (psi)	Bypass Size (mm)	Length (mm)	Weight (kg)	PART No.
100-200	97	159	30	15	50	356	3	**86524**
150-250	145	260	30	15	80	508	5	**39107**
200-300	178	311	30	15	100	508	8	**54097**
250-400	241	413	25	15	100	610	17	**86523**
300-450	280	464	25	15	150	711	22	**86414**
300-600	292	616	25	15	150	1041	32	**86525**
375-750	363	768	20	8	150	1321	52	**39051**
500-900	483	921	20	8	150	1422	72	**39053**
600-1200	559	1225	15	8	150	2388	72	**39054**
900-1500	876	1530	10	6	150	2489	86	**39055**
1050-2000	940	1987	10	6	200	2565	159	**39056**
1500-2400	1473	1445	10	6	200	3048	412	**39057**

Lansas® Multi-Size Interchange™ Plugs (Removable Ends)

- Interchangeable ends provide versatile plug that will suit multiple bypass applications
- Ends quickly interchange
- Removes the need for multiple sized plugs
- Ends also available in pipe and flanged options
- Can be customised up to 300 mm bypass
- Plugs can be made up to 2400 mm
- Note, plugs are supplied without ends. If ends are required, they must be ordered separately



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Inflation Pressure (psi)	Head Pressure (psi)	Length (mm)	Weight (kg)	PART No.
375-525	375	540	20	10	610	20	**39058**
375-750	375	768	20	10	1067	40	**39060**
450-600	438	616	20	10	610	26	**39064**
600-900	590	920	20	10	762	89	**39097**

LANSAS® DOME HEAD MULTI-SIZE PLUGS

Front Plugs - for air testing and pressure monitoring



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Inflation Pressure (psi)	Head Pressure (psi)	Bypass (“)	Length (mm)	Weight (kg)	PART No.
100-150	89	158	30	15	¼ + ¼	225	0.68	**86526**
150-250	133	260	30	15	½ + ¼	482	3.4	**86527**
200-300	184	311	25	15	¾ + ¼	508	5	**40000**
250-400	241	412	25	15	¾ + ¼	762	13	**40001**
300-450	292	464	25	15	¾ + ¼	762	14	**40002**
300-600	292	615	25	15	¾ + ¼	1041	19	**40003**
375-750	355	768	20	8	¾ + ¼	1397	23	**40004**
450-600	406	615	20	10	¾ + ¼	915	25	**38556**
500-900	483	920	20	8	¾ + ¼	1625	40	**40005**
600-1200	559	1225	15	8	¾ + ¼	2133	46	**40006**
900-1500	876	1530	10	6	¾ + ¼	2133	72	**40007**
1050-1950	940	1987	10	6	¾ + ¼	2565	131	**40008**
1200-1800	1169	1835	10	6	¾ + ¼	2133	159	**40009**
1500-2400	1473	2444	10	6	¾ + ¼	2794	327	**40010**

Back Plugs - for stopping pipeline flow



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Inflation Pressure (psi)	Back Test (psi)	Length (mm)	Weight (kg)	PART No.
100-150	89	158	30	15	225	0.45	**40012**
150-250	133	260	30	15	482	2.2	**40013**
200-300	184	311	25	15	508	4	**40014**
250-400	241	412	25	15	762	12	**40015**
300-450	292	464	25	15	762	13	**40016**
300-600	292	641	25	15	1041	16	**40017**
375-525	356	539	20	10	609	14	**38557**
375-750	355	768	20	8	1397	22	**40018**
450-600	406	616	20	10	914	23	**38558**
500-900	482	920	20	8	1625	39	**40019**
600-1200	559	1225	15	8	2133	45	**56888**
900-1500	876	1530	10	6	2133	68	**53754**
1050-1950	940	1987	10	6	2565	127	**56887**
1200-1800	1169	1835	10	6	2133	155	**40020**
1500-2400	1474	2444	10	6	2565	328	**40021**

Type L – Multi-Size, Super Flow Through

- 2 ply nylon reinforced rubber sleeve
- Factory tested to double rated pressure
- Capable of 3.5 m head pressure
- Ideal for bypass pumping, flow diversion and manhole rehabilitation work



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Length (mm)	Bypass (mm)	PART No.
175-300	175	300	460	75	**80573**
225-400	225	400	460	100	**80574**
375-525	375	525	760	150	**80572**

CHERNE® MUNI-BALLS®

Single Size Muni-Balls®

- Allows sealing of rough surfaces
- Heavy duty rubber
- Corrosion resistant
- Aluminium bypass with plastic cap



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Length (mm)	Head Pressure (m)	Bypass (mm)	PART No.
100	83	108	203	15	20	**31681**
150	114	159	178	15	45	**31711**
200	178	210	254	9.1	75	**31741**
225	170	230	200	9.1	75	**81336**
250	229	260	298	9.1	75	**31771**
300	267	311	350	9.1	75	**31801**
525	479	543	660	9.1	100	**31891**
600	558	632	730	9.1	100	**31921**

Multi-Size® Muni-Balls®

- Allows one plug to fit several pipe diameters
- Heavy duty eye for securing
- High quality rubber construction
- Generous bypass size



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Length (mm)	Head Pressure (m)	Bypass (mm)	PART No.
100-150	95	159	273	12	20	**31951**
150-200	133	212	330	12	40	**31981**
200-250	178	260	368	12	50	**32011**
200-300	178	311	559	12	50	**32041**
300-450	273	477	692	9.1	100	**32071**
375-400	356	413	502	9.1	100	**85858**

Cherne® i-series™ Muni-Balls®

- Scaled to fit metric pipe sizes, i-series™ plugs have a large expansion range, allowing them to work in many different sizes of pipe
- The i-series™ plugs are designed to block/ bypass sewerage or when conducting low pressure sewer air tests
- Full-body, high strength aramid-reinforced natural rubber
- Plugs are bendable to 90°, even with bypass
- Thick rubber body for added durability and exceptional performance
- Ideal for all bypass applications
- Available to suit pipe sizes up to 2400 mm





Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Head Pressure (m)	Bypass (mm)	Deflated Length (mm)	PART No.
100-200	95	210	9.1	20	559	**85807**
150-300	140	310	9.1	25	667	**57974**
200-400	196	413	9.1	50	749	**85808**
300-600	286	616	9.1	50	1016	**54124**

LOGIBALL™ PLUGS

Type B – Push Type

- Multi-size sewermain plug
- Heavy duty steel end-caps protect plug from damage
- Capable of 3.6 m head pressure
- Small bypass size
- Suitable for all mains work
- Factory replaceable sleeve



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Length (mm)	Bypass (mm)	PART No.
100-200	90	200	390	13	**21541**
125-250	120	250	660	50	**21571**
175-300	170	300	712	50	**21601**
225-400	220	400	750	50	**21631**
275-525	275	525	888	50	**21661**
330-600	325	600	975	50	**21691**
425-760	425	760	1350	50	**21721**
475-900	480	900	1600	50	**21751**

LANSAS® PLUGS

Muni-Worker® Plugs

- Used for testing, plugging and by-passing
- Immensely versatile and popular
- Large bypass with plastic cap
- Can be adapted for sewerline air testing applications



Nominal Size (mm)	Min Ø (mm)	Max Ø (mm)	Length (mm)	Head Pressure (m)	Bypass (mm)	PART No.
100	94	108	225	10	25	**29471**
150	125	158	250	10	50	**29501**
200	191	209	300	10	75	**38012**
250	225	260	325	10	80	**86529**
300	280	311	350	10	100	**38011**

ACCESSORIES

Test Pump



- Preferred pump for inflating small diameter pneumatic plugs
- High quality durable steel barrel
- Large textured steel base
- Heavy duty gauge
- 900 mm rubber no-kink hose
- Reverse thumb lock

PART No.	33061

Poly-Lift Line/Inflation Hoses

- Ideal for remotely inflating and deflating pipe plugs, ensuring safe pipe plug use
- Great for lowering and lifting plugs



Length (m)	PART No.
3	72022
6	81016
9	81017
12	81018

Air Extension Hoses

- Remotely inflate and deflate pipe test plugs
- Other sizes made to order



Length (m)	PART No.
2	81019
3	81020
4	81021
5	81022
6	58010
10	81023
12	81024
15	81025
20	81026

AIR HOSE COUPLINGS

- Used to adapt hoses for use with air compressors
- Hoses are made to your order
- Popular sizes listed, other sizes and styles are available

Nitto Couplings

Configuration	Size (mm)	PART No.
F x Barb	6	85812
F x Barb	10	58648
F x Female BSP	6	85989
F x Female BSP	10	86248
F x Male BSP	10	58217
M x Barb	10	58649
M x Female BSP	6	86250
M x Female BSP	10	86249
M x Male BSP	10	58650



Ryco Couplings

Configuration	Size (mm)	PART No.
F x Barb	6	85816
F x Barb	10	59480
F x Female BSP	6	86253
F x Female BSP	10	86254
F x Male BSP	10	59479
M x Barb	6	85818
M x Barb	10	59481
M x Female BSP	6	86251
M x Female BSP	10	86252
M x Male BSP	6	85817
M x Male BSP	10	59482



Schrader Valves

Configuration	Size (mm)	PART No.
Male x Male	¼ x 3/8	81198
Female	¼	39411
Male	¼	81281



TESTING AND MEASURING DEVICES

GAS PRESSURE TEST EQUIPMENT

MANOMETERS

Standard Manometers

- Simple to use
- Easy to read display
- Test pressure on gas lines quickly



Pressure (kPa)	PART No.
4	12803
8	85463

Digital Manometers

- 11 selectable measuring units
- Over pressure protection
- Maximum and minimum pressure reading function
- Simple fittings for hose connection
- Over range and low battery indicator
- Auto power off preserves remaining battery life
- Digital display of gauge or differential pressure from 0 to ± 2 psi or 0 to ± 5 psi
- Robust ABS plastic casing
- Carry case supplied



Pressure (psi)	PART No.
± 5	20173
± 15	80642
± 30	48793
± 100	80643

Low Pressure Gas Test Kit

- Designed to check for pressure loss on gas lines due to leaks and line restrictions
- Can be used to determine regulator lock up or to ensure correct delivery pressure at appliances
- Should be used downstream from single or second stage regulators and upstream of appliance regulators
- Includes 63 mm calibrated gauge and 900 mm flexible rubber hose
- Reads 0-8.26 kPa and 0-889 mm of water column
- Should be calibrated frequently with a water manometer
- Sturdy plastic case included



PART No.	12503

Bubble Leak Detector

- Quickly shows the presence of leaks
- Determines leaks in pressurised gas systems
- Compact and tidy, supplied in clear case
- Easy to use, full instruction manual included



PART No.	12173

AIR PRESSURE TEST EQUIPMENT

Lansas® Line Acceptance Kit

- Complete kit for testing sewer and stormwater lines



Kit Includes

- Air test control panel
- Triple connection hose set (15 m)
- Poly lift line with inflation gauge (6 m)
- Lansas® hand pump

PART No.	86528

TEST PUMPS

Cherne® Test Pump

- Ideal pump for inflating small diameter pneumatic plugs
- High quality durable steel barrel
- Large textured steel base
- Heavy duty gauge
- 900 mm rubber no-kink hose
- Reverse thumb lock



PART No.	33061

WATER PRESSURE TEST EQUIPMENT

Test Buckets

- Tests hydraulically for leaks in pipe systems
- Ideal for use in hot/cold water, refrigeration and compressed air systems

Ridgid® Test Bucket

- Sturdy plastic construction
- Tests to 725 psi (5,000 kPa)
- Huge 13.6 L tank for less refills
- Can be used with water, glycol and oil



PART No.	72282

Ridgid® Valve Repair Kit

PART No.	58544



Rems® Test Bucket

- Robust, job site proven, metal design
- Large 12 L corrosion resistant, powder coated steel tank
- Double valve tank system for reliable pressure build up
- Wear resistant brass pressure piston
- Dual function pumping handle
- High pressure hose with fabric ply to prevent measuring errors
- Will test oil or water to 870 psi (6,000 kPa)



PART No.	81455

HYDROSTATIC TEST PUMPS

Cadia® Hydrostatic Test Pumps

- Quality triple diaphragm pump
- Adjustable pressure 0-4,000 kPa (580 psi)
- 43 L/min
- 3 m suction, pressure and return hoses
- 2 wheel versatile trolley
- Dual gauge monitoring



Specifications

Type	Motor	Power	PART No.
Petrol	B&S	6.5HP	81439

Hurco® Hydrostatic Test Pumps

- Used to pressure test water mains
- Utilises Buna-N diaphragms
- In-line strainer
- Silicone filled 600 psi (4,100 kPa) test gauge
- Integral control unit for fail-safe operation
- Accumulator diaphragm removes pulsations
- Enclosed gear reduction leaves no exposed moving parts
- Welded tubular steel frame with steel base
- One-piece manifold system for inletand outlet
- Durable baked on powdercoat finish
- Freeze warning, liquid crystal temperature indicator

Optional Accessories

- Pressure washer kit with 12.2 m of hose
- Float controlled water reservoir (for 10.500 only)
- Various hoses

Model	Engine (hp)	Pressure (psi)	Flow (L/min)	PART No.
10.500 H	Honda 5.5	580	45	53742
23.700 H	Honda 13	700	125	80640



Hydrant Test Points

- Compact simple design
- Used when testing pipeline pressure over extended periods of time
- Unit is inserted into hydrant, attached to test system and left, allowing logging to continue
- Utilises hydrant test point key to insert and Path Tap Key to regulate flow
- Can be adapted to most pressure measuring test systems



13589 and 13457 pictured together

Type	PART No.
Low Style	**13457**
Pressure Hose Kit	**13589**

Hydrant Test Point Keys

- Used for inserting hydrant test points
- Solid steel construction



Low Style

Suits	PART No.
Low Style	**13850**

TEST GAUGES

- Oil filled, high quality gauges
- Supplied with blowout assembly to prevent damage to gauge if over pressurised
- Letter of conformance can be supplied if required
- Calibration certificates can be supplied, this needs to be requested when ordering the gauge due to the different levels available





Single Reading Gauges

- Other sizes, readings, configurations and styles are available upon request

Face Size (mm)	Pressure Range	Inlet Size (“)	PART No.
65	0-100 kPa	1/4	**86817**
65	0-600 kPa	1/4	**85998**
65	0-1000 kPa	1/4	**86732**
65	0-1600 kPa	1/4	**86747**
65	0-2500 kPa	1/4	**86816**
100	0-60 kPa	3/8	**85054**
100	0-100 kPa	3/8	**57398**
100	0-160 kPa	3/8	**57697**
100	0-250 kPa	3/8	**57696**
100	0-600 kPa	3/8	**54977**
100	0-1000 kPa	3/8	**20292**
100	0-1200 kPa	3/8	**86431**
100	0-1600 kPa	3/8	**20282**
100	0-2500 kPa	3/8	**58860**
100	0-2500 kPa	1/2	**57397**
100	0-60 MH	3/8	**86278**
100	0-80 MH	3/8	**57480**
100	0-160 MH	3/8	**20272**
100	0-220 MH	3/8	**57479**

Dual Reading Gauges

Face Size (mm)	Pressure Range	Inlet Size (“)	PART No.
65	0-14.5 psi/0-100 kPa	1/4	**54976**
100	0-160 MH/0-1600 kPa	3/8	**85225**



Compound Gauges

Face Size (mm)	Pressure Range	Inlet Size (“)	PART No.
100	-100 to +150 kPa	3/8	**59217**
100	-100 to +1600 kPa	3/8	**58571**

Pressure Gauge Kits

- Ready to connect to standard 20 mm hose cock
- Instantly tests static pressure of charged domestic lines
- Can be supplied with adaptor to use with Ez-View® Flow Meter
- Padded plastic tool case
- Other sizes available, please enquire



Gauge Reading	PART No.
80 MH	57481
160 MH	15442
220 MH	57482
1000 kPa	86069
1200 kPa	86432
1600 kPa	15412

Storz Pressure Gauge Kit

- Ideal for testing fire systems
- Measures static pressure quickly and simply
- Simply attach to any 65 mm storz coupling, release water flow and record reading
- Ball valve fitted to release pressure once test is complete
- 0-1,600 kPa gauge



PART No.	85651

Ez-View® Flow Meters

- Simple design
- Clear viewing window
- Easy to read
- Dual readout (litres per minute (L/min) and gallons per minute (gal/min))

Min/Max (L/min)	Inlet (mm) BSP	PART No.
2-15	25 Male	10652
4-26	25 Male	10682
4-35	25 Male	10712
5-60	25 Male	10742
20-100	25 Male	10802
15-65	25 Male	10772
20-190	50 Female	18144



Cadia Pressure and Flow Kit

- Ideal for checking meter accuracy
- Measures pressure and flow of 20 and 25 mm water lines
- Static and flow tests according to AS2419
- Flow measured in L/min
- Pressure measured in kPa or psi
- High and low pressure gauges for accurate reading
- Supplied in hard cover carry case



PART No.	53801

Data Logging Pressure Gauge, Digital

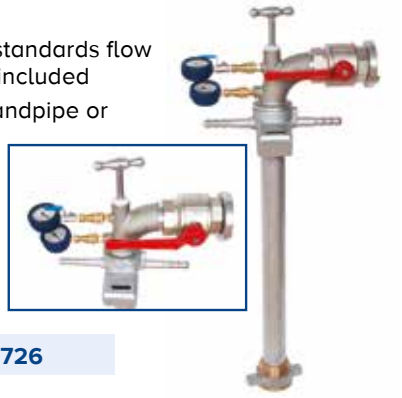
- Pressure ranges to 10,000 psi (700 bar)
- 0.25% FS accuracy
- Fully temperature compensated accuracy
- Rated to IP67



PART No.	11246

Digital Flow and Pressure Standpipe

- Pressure and flow testing in one unit
- Dual gauges, low and high pressure
- Flow regulator valve
- Digital meter (flow and consumption)
- Australian fire standards flow chart software included
- Available in Standpipe or Inline versions



PART No.	58726

ANCILLARY TEST EQUIPMENT

Thermostatic Mixing Valve (TMV) Test Kit

- Suitable for use on all types and styles of TMVs
- Complete testing kit supplied in a handy carry case with contoured foam to protect the instruments
- All components are available as spares and Cadia Group offers a complete calibration service

Kit Includes

- Model 305B digital thermometer with 0.1°C resolution
- Peak hold rubber boot
- Single point calibration certificate to -42.5°C
- Hand held immersion probe 100 mm long
- Model 308-75 pressure gauge 63 mm dial size
- 6 mm BSPT bottom entry, dual scale 0/1,000 kPa and 0/145 psi
- Model B 180 'spike' adaptor for the above pressure gauge
- Flow cup, range from 4 to 19 L/min
- Carry case (copolymer with ABS handle, clips, and contoured foam internal)



PART No. 80637

TMV Test Kit Spares

- TMV Flow Cup
- Range from 4-19 L/min



PART No. 81233

TMV Thermometer and Probe

- Model 305B digital thermometer
- 0.1°C resolution
- Peak hold rubber boot
- 100 mm immersion probe
- Calibration certificate to -42.5°C



PART No. 59026

Backflow Prevention Test Kit

- ± 2% accuracy, full scale
- Maximum pressure 1,200 kPa
- Maximum temperature 99°C
- Easily connects to any testable backflow prevention assembly
- Complete calibration service available (It is a statutory requirement that Backflow Prevention Kits are calibrated and certified annually)



PART No. 10052

Backflow Quick Connect Kit



PART No. 86061

Backflow Test Report Book



PART No. 85105



SECTION 4
SAFETY

Confined & Height Safety 148
Electrical Safety 151
Protective Equipment 154
Site Safety 158

CONFINED AND HEIGHT SAFETY

MANHOLE SAFETY

Purging Fan Kits

- Lightweight and portable
- Either blows air or ventilates
- Ideal for subfloor, roof, manholes and other confined spaces
- Comes with 5 m flexible duct and can be supplied with an additional 5 m on request
- 240 V
- Complies with AS2625



Size (mm)	Model No.	Air Volume (CFM)	Weight (kg)	PART No.
300	PV300	3600	15	35602
400	PV400	5400	25	80737

Purging Fan Duct Extensions

- Extends/replaces ducting supplied with purging fans
- Comes standard in 5 m lengths, other lengths available, please enquire



Size (mm)	PART No.
200	85687
300	57778

VENTILATORS

Ripcord® Ventilator-Stringer Unit

- Only takes minutes to setup and operate
- Cross-ventilation creates an environment free from dust and dangerous gases
- Designed specifically for sewer manholes to create a safe environment that maximises available space
- Unique axial flow impeller
- Precision balanced cast aluminium impellers for maximum air movement at high resistance
- Attachable vent kit allows the ripcord to be used as a blow-in ventilator (optional extra)
- Can also be used with stringer kit and deflection gauges
- 4000 CFM capacity with a 5.5 hp Honda® motor



PART No.	33451

VENTILATOR ACCESSORIES

Balloon Line Carriers

- Shaped like a balloon
- Rigid plastic mouth to keep balloon inflated
- Often used to string lines for use with deflection gauges and CCTV cables
- Available in many sizes



Size (mm)	PART No.
50	85021
100	85022
150	85023

Line Stringer Kit

- Ideal for retrieving ropes and cables for pipe CCTV, cleaning equipment and deflection gauges



Kit Includes

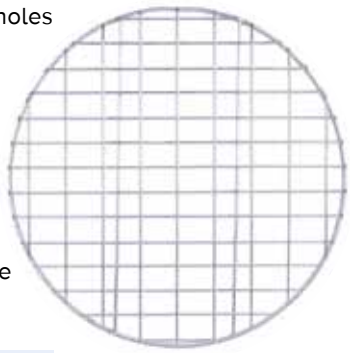
- Ripcord Ventilator-Stringer Unit
- Rope Reel and Parachute 300 m

PART No.	28541

MANHOLE PROTECTION

Cadia Manhole Grate

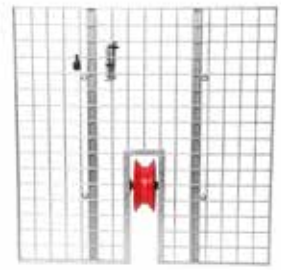
- Strong steel construction
- Lightweight yet durable
- Galvanised for weather protection
- Holes are large enough to feed most service equipment down manhole
- Fits most round manholes
- Allows an opened manhole to become safe to passers-by
- Also available in custom made style to suit square or large round manholes, please allow for manufacture and galvanising lead times



PART No.	53782

Manhole Grate with Guide Wheel

- Used over a manhole when water jetting or inspecting pipes with CCTV systems
- Guide wheel protects the high pressure hoses and camera cables whilst allowing easy feeding
- Strong steel construction
- Galvanised
- Fits over most manholes, round or square
- Lightweight yet durable



PART No.	57713

Foldaway Manhole Guard

- Unique folding guards fit into the back of cars and small vehicles
- Made of lightweight aluminium
- Powder coated yellow
- Folds up into 2 parts, each 730 mm wide x 930 mm high x 80 mm deep
- Available with reflective tape for higher visibility
- Size 1430 mm long x 1400 mm wide x 930 mm high
- Weighs 10.6 kg



PART No.	59087

TRIPOD KITS

Rope System Tripod Kits

- Specifically designed for use in the utility sector, by councils, water authorities and contractors
- Used for lowering and lifting personnel into and out of pits safely
- One-person setup
- Rescue pulley rope system operates with 4:1 ratio
- Equipped with over-speed braking mechanism to prevent injury at end of travel
- Lightweight yet robust extendible tripod
- Free fall mode for faster travel
- Compact and easy to transport
- Extra lengths of rope available if required, please enquire
- Complies with AS1891.1 and AS2625
- SWL 180 kg

Kit Includes

- Adjustable tripod
- Full body rescue harness
- Spreader bar
- Rescue pulley unit
- 50 m of rope (15 m travel)
- 2 karabiners
- Rope bag
- Tripod bag (33391 only)





Height (m)	PART No.
2.1	33391
2.7	69231

Basic Winch Style Tripod Kits

- Ideal for rescue applications
- Specifically designed for use in the utility sector, by councils, water authorities and contractors
- Used for lowering and lifting personnel into and out of pits safely
- Wind manually to raise or lower personnel up to 20 m
- Bracket for use with tripod or davit arm
- One-person setup
- Lightweight yet robust extendible tripod
- Compact and easy to transport
- Complies with AS1891.1 and AS2625
- SWL 180 kg

Kit Includes

- Adjustable tripod
- Full body rescue harness
- Spreader bar
- Basic rescue winch
- 50 m of rope (15 m travel)
- 2 karabiners
- Rope bag



PART No. 57825

TRIPOD KIT PARTS & ACCESSORIES

Tripod Rope Kit

- Ideal for working in confined spaces
- Includes 50 m rescue rope
- Fall arresting block
- Double pulley
- 2 anchorage karabiners
- Kit bag
- Rope length can be varied to provide different travel capabilities, please enquire
- Does not include tripod



PART No. 58455

Tripods

- Lightweight and compact
- Fully adjustable
- Telescopic legs and no-slip feet
- 3 anchor points
- Easy one-person set up and transport
- Will handle almost any environment
- SWL 360 kg

Height (m)	Weight (kg)	PART No.
2.1	18	55057
2.7	24	57885



Harness

- Rear D hook
- Two shoulder loops for use with a spreader bar
- Full body type harness for better personal protection and comfort



PART No. 69296

ROOFING SAFETY

Roofers Kit

- Multipurpose full body harness with front and rear attachment point
- Superflex* full body harness with front and rear D rings
- Shock absorber
- 20 m rope line and automatic rope adjuster that slides up the rope with you
- Includes heavy duty back pack
- Complies to Australian Standards AS/NZS1891
- Weighs 1.4 kg

**Superflex is an innovative concept that allows the harness to flex with the natural movements of the body. As you move in the harness, the webbing stretches with you to prevent the discomfort often associated with wearing harnesses.*



PART No. 69266

ELECTRICAL SAFETY

WARNINGS

- **Always check all safety equipment prior to use**
- **NEVER use damaged or suspect equipment**
- **Ensure all personnel are trained and proficient in the use of any electrical safety equipment**
- **Ensure all personnel are familiar with, and comply with, all SWMS and regulations at all times when working with or near electricity**

WATER METER SAFETY EQUIPMENT

Safety Meter Leads

- Unique screw up clamp ensures clamp cannot be dislodged if knocked or bumped
- Approved by Sydney Water Corporation
- Individually tested and serialised
- Insulated screwdriver style handle protects user yet provides easy to use clamp
- 100 Amp heavy duty cable with sealed fixings
- Essential to prevent injury via electrocution while repairing water mains or replacing meters
- Note, sizes other than those listed below can be made to order, please enquire

Small Safety Meter Leads

- Suits 20 and 25 mm copper



Length (m)	PART No.
2	81058
3	59776
5	58854
10	86542
15	59729
25	81059

Medium Safety Meter Leads

- Suits 20, 25, 32, 40, 50 and 65 mm copper



Length (m)	PART No.
2	57371
3	57369
5	57370
10	86314
25	58812

Large Safety Meter Leads

- Suits 65, 80, 100, 125 mm copper and 100 mm CI, DI and steel pipes
- Can be modified to suit 20-130 mm on request, please enquire



Length (m)	PART No.
3	57372
5	57373
10	57374

Bridging Plate Set

- Stainless steel plate with 6 contact points ensuring maximum contact with pipe surface
- Used to earth mains of any size
- Endless straps can be joined allowing greater diameters to be catered for
- 12 mm stainless loop for a secure connection point for safety meter leads
- Engraved with serial numbers
- Rated at 200 Amps





Kit Includes

- 2 x bridging plates
- 2 x nylon ratchet straps



PART No.	86730

Bridging Plate

- Replacement plate for sets in the case of damaged or lost plates



PART No.	86727

Endless Ratchet Strap

- Ideal for holding bridging plates in position
- Suitable for almost any size pipe
- 25 mm wide x 3.6 m long



PART No.	86787

Safety Earth Spike

- Used to earth electrical charge from waterlines via safety meter leads
- 1 m long x 20 mm Ø

PART No.	57454

Safety Insulative Mat

- Rated to 17,000 volts
- Helps prevent contractor from becoming the earth when working on waterlines
- Reduces risk when connecting/disconnecting waterlines
- Should be used with insulated gloves, safety meter leads and earth spikes
- Suitable for indoor or outdoor use
- 1 m square x 6 mm thick heavy duty rubber



PART No.	57453

INSULATED GLOVES

Standard Insulated Gloves

- Insulated to 1000 volts, Class 0
- Ideal for meter changing
- We recommend a cotton sweat glove and a leather outer glove is used when using standard insulated gloves
- Cotton inner gloves included and also available separately

Size	PART No.
Large	20531
X-Large	10442
XX-Large	10412



Composite Insulated Gloves

- Insulated to 500 volts, Class 00
- For electrical work with a maximum voltage of 500 volts
- Can be used without overglove as it has been combined with a mechanically more resistant elastomer
- The anatomical shape of the glove makes flexing easier while ensuring a high level of protection
- Approved for use by Sydney Water Corporation on all Sydney metropolitan services

Size	PART No.
Small	65770
Medium	56353
Large	86742
X-Large	86741
XX-Large	86731



Outer Protective Gloves

- Long lasting and tough yet still easy to work in
- Adjustable nylon strap with Velcro to ensure that glove cannot slip off
- Typically used as an outer glove when using insulated electrical gloves

Size	PART No.
Medium	81345
Large	81350



VOLTAGE DETECTORS

Voltage Pen

- Adjustable sensitivity allows tracing of wires behind walls, at switches or powerpoints
- Detects voltage from 12-600 V AC @ 50-60 Hz
- Sensing tip
- 360° visual indicator
- Handy pen size tool
- Pocket clip
- Batteries included



PART No.	81285

Voltfinger Volt Detector

- Contact free optical and acoustic warning indicators
- 50-600 V AC voltage range
- Frequency 50-500 Hz
- 3 position switch – on/off, voltage detection and torch
- Ideal for finding live power behind walls, in pipes etc.
- Can also be used to detect live breaks
- Super bright LED torch function for use in dark areas

PART No.	85620



Plumb Guard™ Voltage Detector

- Enables detection of potentially dangerous voltages caused by either bad or missing earth points and leaky mains wiring on customer's premises, or if an under road borer drills through any power cables
- Housed in a solid waterproof case
- Showerproof front panel for use in wet weather
- Powered by a rechargeable battery
- Comes with an AC240 V charger
- Optional 12 to 24 V DC car charger
- Supplied with 2 large clamps and 1 earth stake



PART No.	86697

Plumb Guard V3 Voltage Detector

- Enables detection of potentially dangerous voltages caused by either bad or missing earth points and leaky mains wiring on customer's premises, or if an under road borer drills through any power cables
- Housed in a solid waterproof case
- Showerproof front panel for use in wet weather
- Powered by a rechargeable battery
- Comes with an AC240 V charger
- Optional 12 to 24 V DC car charger
- Supplied with 2 large clamps and 1 earth stake
- Bluetooth enabled

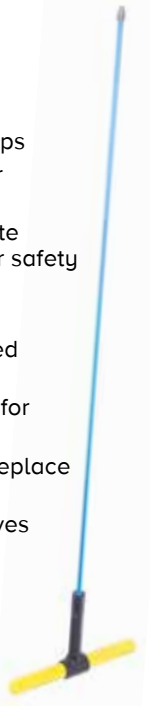


PART No.	99697

INSULATED PROBES

Mighty Probe®

- Certified to 50,000 V
- Bright, smooth, vinyl covered hand grips
- Generous sized handle allows greater support and aids easy penetration
- High strength and reinforced composite isolator moulded to handle for greater safety
- High quality alloy steel shaft resists bending and bowing
- Replaceable, special alloy heat treated steel replacement tips
- Optional coupler to extend probe bar for deep probing
- All parts are available separately to replace any damaged part
- It is recommended that insulated gloves are used when using this product



Size (mm)	PART No.
1350	11672
1800	11702

MIGHTY PROBE® ACCESSORIES

Mighty Probe® Coupler

- Used to add extensions to probe length



PART No.	34192

Mighty Probe® Slide Hammer

- Attaches to Mighty Probe® handle to assist in probing hard ground conditions



PART No.	44832

Mighty Probe® Slide Hammer Lock



PART No.	85284

Mighty Probe® Replacement Tips

Style	PART No.
Pointed	11732
Blunt	80623



Mighty Probe® Handle

PART No.	81597



Mighty Probe® Covers

- Protects insulation on probe handles from damage when not in use
- Type A allows probe to remain assembled
- Type B is used where users are required to disassemble probe after use

Style	PART No.
Type A	81688
Type B	85268



Prospec® Fibreglass Spud Bar

- Ideal for digging around power cables or where underground power may be present
- Nupla® Style fibreglass handle
- Heavy duty forged spade and steel collar
- Insulated gloves should be used with this product





PART No.	41434

Insulated Spud Bar

- All steel bar
- Full rubber encapsulated handle for superior insulation against electrical shock
- Used when digging around power cables
- Insulated gloves should be used with this product



PART No.	81395

PROTECTIVE EQUIPMENT

HEAD PROTECTION

Hard Hats

- Type 1 industrial helmet
- Unique venting design for maximum ventilation and user comfort
- Lightweight design allows use with both helmet attached and neckband style earmuffs
- Six point adjustable harness
- Replaceable cotton sweatband for optimum comfort
- Approved to AS/NZS 1801:1997

Colour	PART No.
White	14565
Yellow	80554
Green	80556
Blue	80555
Fluoro Yellow	85868
Red	85869
Orange	85870



Hard Hat Chin Strap

- Suits most styles and brands of hard hat

PART No.	85209



HEARING PROTECTION

Ear Plugs

- Class 5 protection with SLC80 rating of 38 dB
- Individually sealed for hygiene
- Safety yellow, soft polyurethane comfort
- Tapered for easy inserting into ear canal
- Dispenser box for easy use
- Disposable
- AS/NZS 1270:2002 compliant

Type	Quantity	PART No.
Corded	Box of 100	59789
Uncorded	Box of 200	81244



Quiet Ear Band

- Lightweight, durable ear protectors
- Class 2 earplug with SLC80 rating of 21 dB
- Worn under chin, behind neck or over head
- Ideal for environments with intermittent noise
- 10 pairs per pack
- Replacement pads for ear bands also available

PART No.	13906



Ear Muffs

- Class 5, 25 dB according to AS/NZS 1270
- Slide and swivel cup enhances comfort
- Soft foam cushions
- Durable construction
- Shock resistant
- Can be worn behind head for use with hard hats

PART No.	13905



Helmet Muff

- Class 5 protection with SLC80 rating of 26 dB
- Elastex™ sweat reducing ear cushion
- 3 positions, working, airing and resting
- Fits easily to our range of helmets
- AS/NZS 1270:1999 compliant

PART No.	13907



EYE AND FACE PROTECTION

Safety Goggles

- Full wrap around protection
- Hooded vents for ventilation
- Impact, dust and splash protection
- Will fit over prescription glasses

PART No.	14115



Safety Glasses

- Popular, comfortable and lightweight yet robust glasses
- Medium impact protection
- UV protection
- Hard coated, anti-scratch lens
- Certified to AS/NZS 1337

Style	PART No.
Clear	14055
Blue Smoke	81421





Full Face Shield

- High impact clear visor for maximum face protection
- Ratchet adjustable head gear
- Replaceable polycarbonate visor and chin guard
- Quick lock clips for quick and easy visor replacement

PART No.	54769



RESPIRATORY PROTECTION

Disposable Dust Filter Masks

- Premium disposable masks provide the ultimate in comfort and value for money
- Lightweight
- Contour fit with comfortable foam nose seal
- Twin elastic adjustable headbands
- One-way valve designed to reduce heat and moisture build up, making breathing easier and the mask more comfortable to wear (where listed)



Type	Class	Valve	Pack Quantity	PART No.
Flat Fold	P2	No	20	54764
Flat Fold	P2	Yes	20	54765
Moulded	P1	No	20	59617
Moulded	P2	No	20	54762
Moulded	P2	Yes	10	54763

Half Mask Respirators

- Ultimate comfort provided by the odourless soft thermoplastic elastomer (TPE) construction
- Large diameter valves create low breathing resistance
- Ergo-contour design assures a secure comfortable seal around the contours of the face
- Low profile design ensures PPE compatibility
- Latex and silicone free, ensures that mask is allergic or irritation free
- Mask is supplied with 2 filters



Size	PART No.
Medium	54767
Large	54766

Replacement Filters

- 5 pairs per pack



PART No.	54768

HAND PROTECTION

Latex Gloves

- Comfortable fitting yet economical
- Contoured ambidextrous fit
- Powder free to prevent contamination
- Offers the strength and longevity of natural latex
- Box of 100 gloves



Size	PART No.
Large	80560
X-Large	59103

Nitrile Gloves

- Textured finish for precise handling
- Latex and powder free
- High puncture and chemical resistance
- Withstands petrol, oils, hydraulic fluids, diesel, strong cleaners, chemicals, acids, alkalis, solvent and paint thinners
- Box of 100 gloves



Size	PART No.
Small	85878
Medium	85879
Large	85411
X-Large	59911

Gripmaster Black Knight™ Gloves

- Black, 13 gauge, nylon seamless shell for increased comfort and breathability
- Soft, durable and flexible coating on the palm
- Superior protection from oil penetration yet repels water, providing a firm, wet or dry grip
- 12 gloves per pack



Size	Hem Colour	PART No.
Small	White	85874
Medium	Green	85875
Large	Brown	59895
X-Large	Yellow	85876
XX-Large	Grey	85877

Chromed Riggers Gloves

- Premium quality cow hide
- Ideal general purpose utility glove
- Recommended for use when handling steel, chains, straps etc.



Size	PART No.
Large	80336
X-Large	80365

Smooth Riggers Gloves

- A-grade premium cow hide
- Double stitched for extra strength
- Wing thumb, for a stitch free palm
- Elastic back for best glove retention
- Colour coded cuff for easy size identification
- Manufactured to EN240 Standard to ensure accurate sizing

Size	PART No.
Medium	54799
Large	54798
X-Large	14045
XX-Large	54624
XXL-Large	58770



Hi-Vis Riggers Gloves

- Elastic cuff
- Washable and reusable
- Great visibility in the workplace
- Out-performs traditional leather rigger gloves

Size	PART No.
X-Large	85111
XX-Large	59910



Goat Skin Gloves

- Long lasting and tough, yet still easy to work in
- Adjustable nylon strap with Velcro to ensure that glove cannot slip off
- Typically used as an outer glove when using insulated electrical gloves

Size	PART No.
Large	81345
X-Large	81350



PVC Dipped Gauntlets

- Ideal for water meter changing and sewer applications
- Cotton interlock liner for easy donning
- Resistant to oil, chemicals and grease

Size (mm)	PART No.
270	80559
450	62436
900	80558





Rhinoguard™ Puncture Resistant Gloves

- Highly engineered textile composite designed to provide the highest level of puncture resistance
- Innovative combination of advanced fibres, modified fabric structure and a unique coating technology
- Delivers a high level of protection against both large and small puncture threats (including needles and syringes) to both palm and fingers
- Protects against cuts, heat and flame abrasion as well as liquids
- Extremely thin, flexible and lightweight material

Class 3 Rhinoguard™ Puncture Resistant Gloves

Size	PART No.
Medium	54800
Large	54801
X-Large	54802
XX-Large	54803





KNEE AND FOOT PROTECTION

OX® Kneeling Board

- Ideal for all plumbing, electrical and flooring contractors
- Extra large gripping handles
- Firm heavy duty foam for greater knee support
- Sturdy, one piece base for longer service life
- Size 480 mm long x 350 mm wide



PART No.	59341

OX® Gumboots

- Tradesman quality
- Safety steel toe
- Reinforced ankle and shin for greater protection
- Sole channelling to improve slip resistance
- Other sizes available



Size	PART No.
10	85089
11	85090
12	85091

PVC Waders

- Full length heavy duty PVC
- Steel toe capped gumboots
- High cut to provide extra protection
- Adjustable waist and shoulder straps
- Hard wearing, durable, premium quality
- Complies with AS/NZ2210.3



Size	PART No.
9	85570
10	55058
11	55059
12	55060

PROTECTIVE CLOTHING

SAFETY VESTS

Day Work Safety Vests

- Ideal for most outdoor workers
- Fluorescent material with Velcro tabs
- Comfortable fitting in 4 sizes
- Complies with AS4602:1999-D (Day use)
- Also available custom printed



Size	Colour	PART No.
Large	Orange	55022
X-Large	Orange	85118
XX-Large	Orange	55023
XXX-Large	Orange	55024
Large	Lime	55028
X-Large	Lime	55027
XX-Large	Lime	55026
XXX-Large	Lime	55025

Day/Night Safety Vests

- Hi-visibility reflective
- Relaxed comfortable fit
- Multiple Velcro tabs
- Complies with AS4602:1999-D/N (Day/night use)
- Also available custom printed



Size	Colour	PART No.
Large	Orange	55015
X-Large	Orange	59618
XX-Large	Orange	55016
XXX-Large	Orange	55017
Large	Lime	55021
X-Large	Lime	55020
XX-Large	Lime	55019
XXX-Large	Lime	55018

SITE SAFETY

Lead Hooks

- Multi-purpose hook
- Nonconductive, strong plastic construction
- Versatile design fits over doors, walls, fences, barricades etc.
- Holds up to 8 leads and up to 50 mm Ø cables
- Ideal for use with electrical leads, cables, hoses and tools

Pack Quantity	PART No.
3	57478
20	81226



Magnetic Uni-Strap

- All-purpose hook, great for leads, ropes, pipes etc.
- Super strong magnet
- UV stabilised plastic
- Used for roofing, guttering, steel fabrication, fix outs etc.

PART No.	59301



Grab Stick

- Ideal for string lines, insulation foil, power leads, holding flashings and sheet in place while drilling, cutting etc.
- Strong magnets for extra holding power
- High visibility orange
- Size 300 mm long x 35 mm wide x 35 mm high

PART No.	58125



SHARPS SAFETY

Sharps Kit with Gloves

- Ideal for council plumbing trucks and maintenance plumbers' vehicles
- Complete kit to ensure any sharp is handled safely
- Compact and easy to use
- Often used when clearing boundary shafts, gullies and public access areas

Kit Includes

- Leather gloves
- Sharps container
- Tongs
- Sharps removal guide
- Resealable bags
- Heavy duty plastic case

PART No.	58351



Garbage Grabbers

- Lightweight aluminium
- Rubber suction caps allow even leaves to be picked up
- Locking mechanism locks jaw closed
- Pistol style, ergonomic grip for user comfort

Size (mm)	PART No.
800	81187
1000	81188



Gully Scoops

- Available in 7 different sizes
- Safely picks up foreign objects from gullies, boundary traps, pits and shafts
- Powerful jaw action ensures firm grip on various objects
- Protects hands from sharp and dangerous objects



Model No.	Length (m)	Pipe Ø (mm)	PART No.
303	0.9	75	67011
304	0.9	100	25201
503	1.5	75	25221
504	1.5	100	25231
506	1.5	150	25261
704	2.1	100	25291
706	2.1	150	25321



Hooker Pick Up Tool

- Toothed jaw for better grip
- Locking system for holding onto heavy objects
- Extendable to 3 m
- Strong steel construction
- Lightweight





PART No.	25351



SPILL CONTROL AND SHOWERS

MSDS Folder



- A bright coloured folder to store Material Safety Data Sheets
- Sturdy PVC binder, suited for use in all environments

PART No.	57710

MSDS Folder Holder

- Weather resistant and durable
- Ideal for keeping documents and manuals secure, dust and moisture free
- Heavy duty double-sided tape and built-in mounting holes for easy installation
- Includes labels for 'MSDS', 'Instruction Manuals' and 'Lock out Procedures'
- Size 320 mm high x 280 mm wide x 65 mm deep



PART No.	57711

EYE, FACE WASH AND SHOWERS

Portable Eye Wash Unit

- Eye and face wash
- Heavy duty fibreglass construction with easy refill port
- 79 L capacity with gravity flow providing a complete mobile response unit
- Ideal for use on remote sites or vehicles that are mobile workshops





PART No.	54844

Eye Wash Stations

- Designed to gently follow the contours of the eye to quickly wash contaminants away
- Full flow chrome plated brass valves allow unrestricted water flow
- Volume control assures easy flow adjustment for differing pressure
- Push plate hand controls (both models) and foot pedal (floor model only) ensure easy and fast operation





Model	PART No.
Wall Mount	54779
Floor Mount	86168

Eye Wash and Shower

- Floor mounted combination unit of drench shower and eyewash
- Hand and foot operated
- Combines eye wash with a deluge shower head
- Corrosion resistant steel construction provides solid support for the shower and eyewash
- Activators are easy to locate and use
- High visibility yellow for easy location
- Supplied with signage





PART No.	81165

Eye, Face Wash Shower

- Complete eye and face wash combination with high flow drench shower
- Manufactured from stainless steel for longer service life and low maintenance
- Hand and foot operated for easiest access and operation, regardless of incident type
- Ideal for use in mining, swimming pools, water treatment plants, sewerage treatment plants and chemical storage areas
- All nozzles and outlets are replaceable
- Standards mark licensed to AS4775:2007





PART No.	54845

FIRE SAFETY

ABE Powder Extinguishers



- Versatile multipurpose extinguisher
- Class A solids, waste, timber
- Class B flammable liquids
- Class E electrical
- Supplied complete with tag, ready for installation

Size (kg)	Quantity	PART No.
1	Plastic vehicle bracket	**85211**
2	Metal wall bracket and hose	**85119**
4.5	Hose and Bracket	**55064**
9	Hose and Bracket	**85141**

CO2 Fire Extinguishers



- Used on Class B (Flammable liquids) fires
- Safe to use on live electrical fires
- Supplied complete with tag, ready for installation

Size (kg)	PART No.
3.5	**55065**
5.0	**55066**

Fire Blanket

- Supplied in pull-open case with fixing rings
- Manufactured to AS3504
- Dimensions 1800 mm long x 1200 mm wide



PART No.	55067

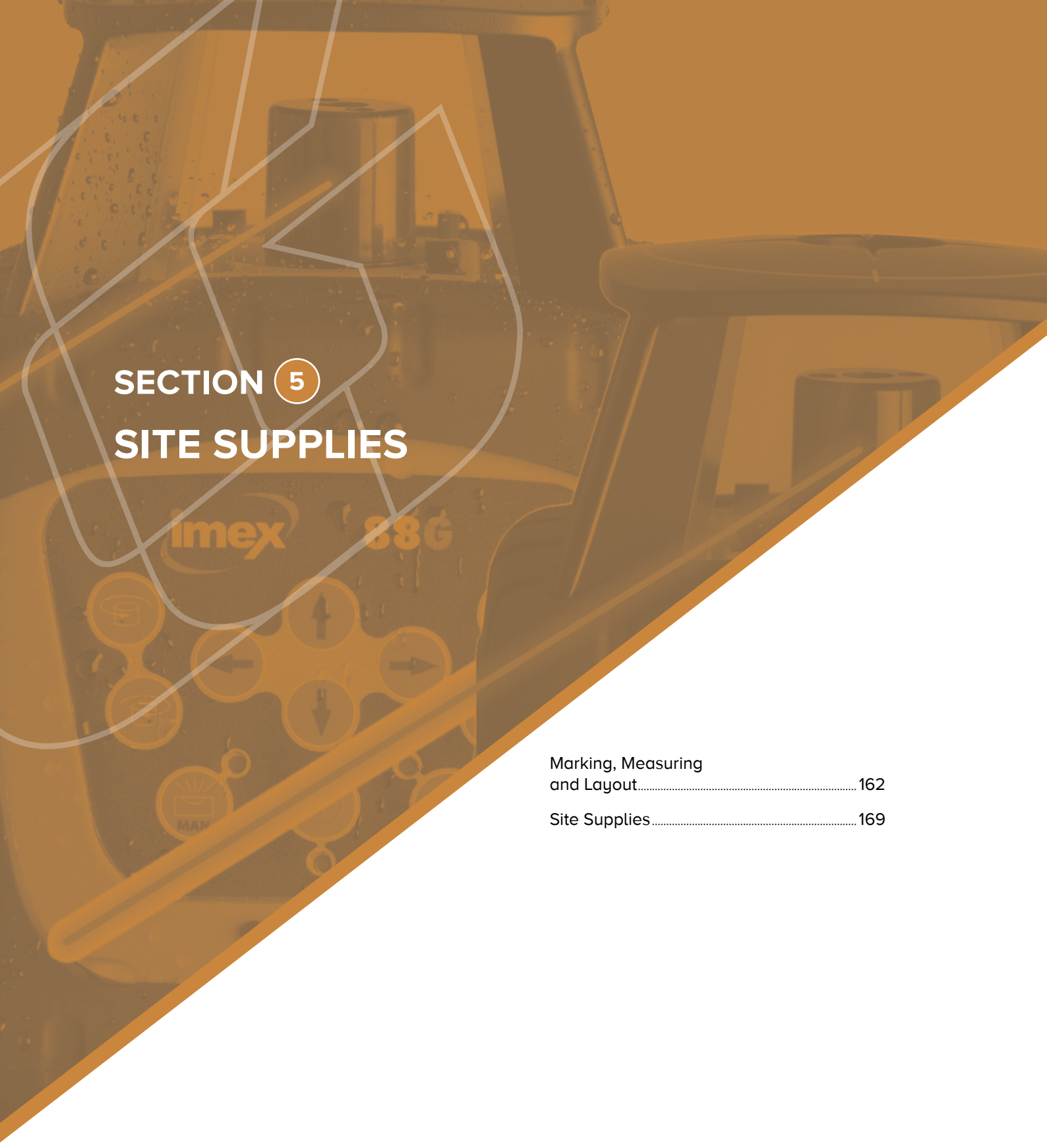
FUEL STORAGE

Jerry Cans

- Heavy duty, fully moulded construction
- Colour coded for fuel type
- Fully approved for filling and storage of petrol, diesel and kerosene
- Detachable anti-glug nozzle



Style	Colour	Capacity (L)	PART No.
Petrol	Red	10	**86801**
Petrol	Red	20	**86800**
Diesel	Yellow	20	**85551**



SECTION 5

SITE SUPPLIES

Marking, Measuring and Layout 162

Site Supplies 169

MARKING, MEASURING AND LAYOUT

MARKING

Strait-Line® Chalk Line Reel

- 3 ½:1 gear ratio rewind, 3 ½ times faster than traditional reels
- Wide prong hook for secure anchoring
- Lightweight ABS plastic housing
- 2 x stronger than polyester line
- ¼ turn chalk fill cap



PART No.	13665

Irwin® Strait-Line® Chalk

- High visibility colours
- Easy to remove from marked material
- Blue for indoor, red for outdoor



Size (oz)	Colour	Weatherability	PART No.
8	Blue	1 Week	13605
8	Red	1 Month	13635

MEASURING

Folding Rules

- 1 m when extended
- 4 x fold for safe and easy storage
- Also available in metric/imperial measure



Edge	PART No.
Square	14025
Bevelled	61084

TAPE MEASURES

Shock Proof Tape Measure

- Fully enclosed rubber casing
- Super wide 32 mm blade for better standout
- Large numbers for easy reading
- High visibility colours
- Wrist strap
- 32 mm x 8 m



PART No.	81202

Imex™ Storm Tape Measures

- Ideal for everyday use
- 4-rivet end for longer life
- Long standout steel blade
- Double stop for better control when retracting
- High visibility casing with rubber grip
- Easy to read graduation



Type	Size	PART No.
Metric	25mm x 8m	20145
Metric/Imperial	25mm x 8m/33’	16655
Metric/Imperial	25mm x 10m/27’	86557

Open Reel Tape Measures

- Fibreglass tape
- Polymer casing
- Carry handle
- Economical, easy winding tape



Length (m)	PART No.
30	16715
50	16745
100	16775

Diameter Tape Measure

- Quickly measures diameter of all round pipes and conduits
- Yellow nylon clad steel blade
- Spring action rewind
- Easy to read, bold graduation
- Conversion from circumference to diameter is made simply by turning blade over
- 6 mm x 2 m



PART No.	48522

Pocket Diameter Tape Measure

- Ideal for measuring both circumference and diameter
- Soft feel, shock absorbing rubber sleeve protects a sturdy plastic case
- Yellow coated, dual face, steel blade
- Auto rewind
- Thumb lock
- 13 mm x 3 m



PART No.	36112

Bore Dipping Tape Measures

- Measures water level in wells and bores
- Audible tone and light alarm when probe reaches water surface
- Easy wind reel with carry handle and stand
- Flat lying, nylon coated, steel tape
- Supplied in steel case for protection
- Available up to 500 m

Length (m)	PART No.
50	80967
100	80969
200	58974



MEASURING WHEELS

Deluxe Measuring Wheel

- Fold down handle from 1200-600 mm
- Pistol grip with trigger brake and counter reset
- Rugged wheel track design with built in dirt scraper
- Robust design incorporates 2 counter reset buttons and folding kick stand
- Supplied with carry bag

PART No.	15275



Digital Measuring Wheel

- 10,000 m range
- 5 measurement memory
- Easy fold down



PART No.	15276



CALLIPERS

Engineers' Callipers

- Polished tool steel construction
- Firm, rigid friction joint is provided by large head screw and nut assembly
- No play
- Sizes are effective leg measurement
- Capacity of callipers is generally 1/3 greater than the leg length

Outside

Size (mm)	PART No.
150	73662
300	73692
450	73722
600	73752



Inside

Size (mm)	PART No.
150	80955
200	80956
300	80958



Vernier Callipers

- Standard workshop model with stop screw
- 4 way measurement
- Hardened stainless steel construction
- Assembly slider model
- Engraved graduation
- Micro lapped measuring surface
- Supplied in plastic case to protect instrument





Size (mm)	PART No.
150	13395
300	13425
600	13455

SQUARES

Combination Square

- Graduated in metric and imperial
- Spirit level
- Knurled brass lock nut
- Made in the UK
- 300 mm



PART No.	13875

SPIRIT LEVEL

Ridgid® Torpedo Level

- High strength magnets provide strong hold
- Glo-surround vial frames for easy reading in poorly lit areas
- 360° yellow barrel vials
- Level, plumb and 45° vials



PART No.	14955

Box Style Levels

- Heavy duty aluminium
- CNC milled on 4 sides for greater accuracy
- Shockproof vials
- Dual material ergonomic handgrips
- Accuracy to 0.5/1000 mm



Length (mm)	PART No.
600	14855
800	14895
1000	14905
1200	14915
1800	14935
2000	66955
2400	80959

DIGITAL LEVELS

Digital Level – Clip On

- Clips onto any existing level to adapt it to a digital level
- Inverted number display ensures numbers always read the correct way up
- Measures in %, °,mm/m and in/ft
- Easy self-calibration
- Accurate to 0.05°



PART No.	86358

Imex™ Digital Level and Laser

- Measures in %, °, mm/m and in/ft
- Self-calibration
- Accurate to 0.1°
- Large LCD Display
- Display hold function
- 360° angle measuring (the display inverts)
- Emits a laser dot to 30 m
- Laser Class II/III
- 600 mm long
- Padded bag included



PART No.	86156

GENERAL LASER LEVELS

Imex™ LX22 Cross Line Laser

- Economical line laser, ideal for all interior set out work
- Strong pulsating beam and optional detector allows use in most outdoor situations
- 360° turntable base with tripod attachment for versatile set up
- High quality red beam laser emits both horizontal and vertical as well as plumb spot beams
- Also available with green beam
- 2 year Imex™ warranty



Specifications	
Light source	Red laser diode, 635 nm
Output	Laser Class II
Accuracy	±2 mm at 10 m
Damping type	Magnetic self levelling
Beams	1 horizontal and 1 vertical
Hours of continuous use	Approximately 15 hours (all lasers)
Working distance	10 m, 50 m with detector
Dimensions	65 x 95 x 85 mm
Batteries	2 x AA
Dimensions	110 x 45 x 30 mm

Laser Only Kit Includes

- LX22 Crossline Laser
- Target plate
- Foam die cut soft carry case

PART No.	86234

Full Kit Includes

- LX22 Crossline Laser
- LD2 Detector
- Target plate
- Foam die cut soft carry case

PART No.	86237

Imex™ LX55 Multi-Line Laser

- The ultimate multiline red beam laser offering the best in sharp, accurate interior set out
- Unique full 360° horizontal line gives maximum flexibility of positioning in any room
- 4 vertical lines and 1 horizontal line as well as a plumb spot ensure this laser is the best in its field
- Rugged construction with a high visibility casing, along with 360° turntable and line adjustment ensure the best job every time
- 2 year Imex™ warranty

Specifications	
Light source	Red laser diode, 635 nm
Output	Laser Class II
Accuracy	±1.5 mm at 10 m
Beams	1 horizontal, 4 vertical at 90° and 1 plumb down point
Damping type	Magnetic self levelling
Hours of continuous use	Approximately 8 hours all lasers
Working distance	10 m radius, (50 m outdoor optional)
Dimensions	200 (h) x 120 mm diameter
Batteries	3 x AA

Laser Only Kit Includes

- LX55 Multi-Line Laser
- Laser glasses
- Target plate
- Hard carry case

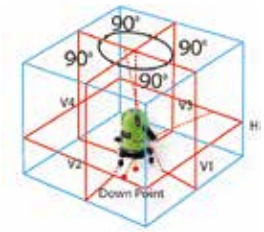
PART No. 86235



Full Kit Includes

- LD2 Detector
- Laser glasses
- Target plate
- Hard carry case

PART No. 86236



Imex™ LD 2 Line Detector

- Suits both Imex™ LX22 and LX55 series lasers
- Maximum 50 m pick up range
- Strong, loud audible buzzer, ideal for noisy work sites
- Includes easy-to-fit bracket to attach detector to most styles of laser staffs

PART No. 86238



Imex™ 66 Series Laser Level

- Economical rotating laser with robust casing and simple to use functionality
- Heavy duty lighthouse cover and rubber casing provides superior shock and weather proofing
- Self levelling, high quality, red beam general purpose laser
- One button function and out-of-level warning
- 2 year Imex™ warranty



PART No. 86225 (Level only)

Specifications	
Self levelling range	±5°
Accuracy	2.2 mm at 30 m
Working distance	Diameter 400 m with included
detector	1 horizontal, 4 vertical at 90° and 1 plumb down point
Rotation speed	600 rpm
Light source	Red laser diode, 635 nm, Class II
Waterproof/ shatterproof	IP66
Power	4 x AA alkaline batteries
Detector	Single side, coarse and fine setting
Working time (continuous use)	50 hours with alkaline batteries
Weight	1.2 kg

Imex™ 77 Series Laser Level

- Fully automatic, self levelling, general purpose, red beam laser
- Heavy duty, highly visible, robust, shock, dust and weatherproof casing
- Remote control functionality with 20 m diameter working range
- Manual grade setting to 5° with superb accuracy
- Huge 500 m diameter working range with the standard detector
- 2 year Imex™ warranty

Description	PART No.
Imex Laser Level	**86226**
Imex Laser Level Kit	**57528**

Kit Includes

- 77R red beam laser level
- Remote controller
- Double sided detector
- Hard carry case
- Tripod
- Staff



Specifications	
Self levelling range	±5°
Accuracy	1.5 mm at 30 m
Working distance	Diameter 500 m with included detector
Rotation speed	0, 60, 120, 300, 600 rpm
Scan mode	No
Grade slope	±5° (Y axis only) 8.8%
Plumb spot	No
Light source	Red laser diode, 635 nm, Class II
Remote control	Yes – working range approximately 20 m, 2 x AAA batteries
Horizontal/vertical	No
Waterproof/ shatterproof	IP66
Power	DC 4.8-6 V (Ni-mh rechargeable)/ alkaline option
Working time between charge	Approximately 20 hours, approximately 60 hours alkaline
Low battery light	Yes
Battery charger	240 V
Working temperature	-20°C to +50°C (-40°C to +70°C storage)
Detector	Double sided operation fine and coarse setting; 9 V battery – 45 m range
Unit weight	2.2 kg

Imex™ 88 Series Laser Level

- Fully automatic, self levelling laser ideal for professional and constant use
- Heavy duty, highly visible, robust, shock, dust and weatherproof casing
- Remote control functionality with 20 m diameter working range
- Manual dual grade slope to 5° simultaneously
- Huge 500 m diameter working range with the standard detector
- Instrument works in horizontal and vertical planes
- Unique scan mode allows for part rotation, used when laser may interfere with other lasers
- Plumb spot, top and bottom assists in set ups over a point
- Optional green beam laser (uses less power, runs cooler, performs better, is safer and the human eye responds quicker to it than to red beam lasers) (Part no. 86228, 86233)
- 2 year Imex™ warranty

Kits Include

- 88R or 88G laser level
- Remote controller
- Double sided detector
- Hard carry case
- Tripod
- Staff



Model	Description	PART No.
88R	Red Laser Level	**86227**
88G	Green Laser Level	**86228**
88R	Red Laser Level Kit	**57409**
88G	Green Laser Level Kit	**86233**

Specifications	
Self levelling range	±5°
Accuracy	1.5 mm at 30 m
Working distance	Diameter 500 m with included detector
Rotation speed	0, 60, 120, 300, 600 rpm
Scan mode	Yes, 0°, 10°, 45°, 90°, 180°
Grade slope	±5° Dual grade (X or Y axis) 8.8%
Plumb spot	Yes, accuracy ±1 mm at 1.5 m
Light source	88R: Red laser diode, 635 nm, Class II. 88G: green laser diode 532 nm
Remote control	Yes, working range approximately 20 m, 2 x AAA
Horizontal/vertical	Yes
Waterproof/ shatterproof	IP66
Power	DC 4.8-6 V (Ni-mh rechargeable)/ alkaline option
Working time between charge	Approximately 20 hours, approximately 60 hours alkaline
Low battery light	Yes
Battery charger	240 V
Working temperature	88R: -20°C to +50°C (-40°C to +70°C storage). 88G: 0-40°C
Detector	Double sided operation fine and coarse setting; 9 V battery – 45 m range
Unit weight	2.2 kg

GRADE LASER LEVELS

Topcon RL -SV2S Grade Laser Level

- Suitable for use on both construction and interior jobs
- Horizontal, single and dual slope
- Vertical function
- Full function radio remote
- Long-range operation (800 m)
- Tough IP66 construction rating
- Extra-long battery life (120 hr)

Specifications	
Accuracy	Horizontal ±10 arc seconds
Self-Levelling Range	±50
Grade	Dual, ±5%
Working Area	800 m (diameter)
Rotation Speed	300, 600 rpm
Dust/Water Protection	IP66
Operating Temperature	-20°C~+50°C (4°F~122°F)
Operating Time	Alkaline: Approx. 120 hours. Ni-MH: Approx. 65 hours

Kit Includes

- RL-SV2S Laser
- RC-60 Remote Control
- LS-80L Sensor
- Sensor Holder
- Batteries
- Charger
- Carry Case





PART No.	10051

PIPE LASER LEVELS

Imex Pipe Laser Level Kit IPL3TR

- Robust Class III pipe grade and alignment laser
- Large, angled, back-lit LCD display
- Heavy duty, cast housing, fully sealed to comply with IP68 water resistance including submersion
- Large grade range -20% to +40% with 3 decimal places
- Remote controller to allow operation of most functions from a 30 m distance
- 2 year Imex™ warranty

Specifications	IPL300 Red Beam/IPL300 Green Beam
Laser	Class III Red 635 nM/Green 535 nM
Accuracy	±1 mm at 20 m
Self level	To ±5°
Range	Up to 300 m with target
Grade	-20% to +40%
Power	Ni-MH rechargeable or 4 x D cell alkaline
Size	Diameter 132 mm (fits 150 diameter pipe), length 380 mm
Water/dust	IP68 fully submersible
Weight	6 kg

Colour	PART No.
Red Beam	17058
Green Beam	17057

Kit Includes

- IPL300R (Red Beam) or IPL300G (Green Beam)
- Interchangeable feet to suit 200, 250, 300, 400 and 500 mm diameter pipe
- Adjustable target plates x 2
- Remote controller
- Ni-MH battery pack
- Battery charger
- Standard battery option pack
- Hard carry calibration certificate





Topcon TP-L4B Pipe Laser – Red or Green Beam

- Remote control operation from 200 m using the RC-200 remote
- All cast aluminium housing, sealed to keep out moisture, even when submerged
- Rubber bumper/stand protects lens from falls or drops
- Two grade entry methods to suit user preferences in addition to auto 0% grade return for fast set up changes

Red

- Economy version of the world's most accurate and toughest pipe grade and alignment laser
- Easy to see, back-lit LCD display, sloped for easy reading from trench top

Green

- The ultimate pipe grade and alignment laser with the latest and most accurate technology available
- Super bright patented Green Beam technology provides the brightest, most visible laser beam, even in direct sunlight

Specifications	Red Beam / Green Beam
Laser source	633 nm diode/532 nm diode
Auto line centering	Yes
Auto grade zeroing	Yes
Plumb reference	Yes
Plumb reference type	LED
Grade range	-15% ~ +40%
Line range	±15%
Horizontal accuracy	3 mm at 60 m
Battery life (alkaline/ rechargeable)	70 hours/48 hours
Standard warranty	1 year
Housing construction	Cast aluminium
Waterproof depth	At least 5 m for 24 hours
Operating temperature	-20°C ~ +50°C

RC-200 Remote Control	
Operating Range From Front	200 m
Operating Range From Above	25 m
Battery life	Approximately 8 months

Kit Includes

- TP-4LB Laser – Red or Green Beam
- 150, 200, 250 and 300 mm leg sets
- Hard carry case
- Single pointed foot
- RC-200 remote controller
- Ni-Cd battery
- Battery charger
- Power cable
- Instruction manual





Colour	PART No.
Red	**80816**
Green	**80817**

SITE SUPPLIES

IDENTIFICATION SIGNS AND TAPE

Pipe Marker Stickers

- Used for identification of pipe lines
- Highly visible
- Cost effective
- Medium 400 mm long x 27 mm wide
- Large 400 mm long x 50 mm wide
- Pack of 10
- Many more designs available or custom design to suit your requirements, please enquire



Style	Size	Colour	PART No.
Cold Water	Medium	Green	57951
Cold Water	Large	Green	89051
Compressed Air	Medium	Blue	57949
Compressed Air	Large	Blue	89052
Fire Hydrant	Medium	Red	86874
Fire Hydrant	Large	Red	89053
Natural Gas	Medium	Yellow	57950
Natural Gas	Large	Yellow	89054
Potable Water	Medium	Green	86873
Potable Water	Large	Green	89055
Rainwater	Medium	Green	58813
Rainwater	Large	Green	89056
Sewerage	Medium	Black	86875
Sewerage	Large	Black	89057
Stormwater	Medium	Green	86876
Stormwater	Large	Green	89058
Hot Water	Medium	Green	89059
Hot Water	Large	Green	89060
Non Potable Water	Medium	Green	89061
Non Potable Water	Large	Green	89062
Recycled Water	Medium	Green	89063
Recycled Water	Large	Green	89064
LP Gas	Medium	Yellow	89065
LP Gas	Large	Yellow	89066
Fire Alarm	Medium	Red	89067
Fire Alarm	Large	Red	89068
Fire Hose Reel	Medium	Red	89069
Fire Hose Reel	Large	Red	89070
Fire Service	Medium	Red	89071
Fire Service	Large	Red	89072
Fire Sprinkler	Medium	Red	89073
Fire Sprinkler	Large	Red	89074
Reclaimed Water	Medium	Lilac	89075
Reclaimed Water	Large	Lilac	89076

MARKER STICKERS

Horizontal Marker Stickers

- Identifies valves and hydrants beside roads and paths
- Suits most kerbs, both standard and rollover varieties
- High bond adhesive for use on most outdoor surfaces
- Features distinct reflective letters, for clear visibility at night
- Saves time for water crews and firemen etc
- Black on lilac is for use with all recycled pipelines
- Custom markers available, please enquire
- 150 mm wide x 100 mm high



79942



79944

Style	Colour	PART No.
HP	Red on White	79942
RHP	Black on Lilac	79943
RSV	Black on Lilac	79944
SV	Red on White	79945
WM	Red on White	54888

Vertical Marker Stickers

- Identifies valves and hydrants beside roads and paths
- Used on power poles, fences, marker posts etc
- Black on lilac is for use with all recycled pipelines
- High bond adhesive for use on most outdoor surfaces
- Features distinct reflective letters, for clear visibility at night
- Saves time for water crews and firemen etc.
- Custom markers available, please enquire



62312



85793



62282



81116

Style	Colour	Size (mm)	PART No.
AV	Red on White	250 x 75	81401
DV	Red on White	250 x 75	77781
GAS	Black on Yellow	250 x 75	85793
H	Green on White	125 x 75	81116
HP	Red on White	250 x 75	62252
HR	Red on White	250 x 75	80819
MH	Red on White	250 x 75	85626
RHP	Black on Lilac	250 x 75	62312
RScV	Black on Lilac	250 x 75	85552
RSM	Black on Lilac	250 x 75	85781
RSV	Black on Lilac	250 x 75	62342
SCOUR	Red on White	250 x 75	57581
ScV	Red on White	250 x 75	81300
SV	Black on White	250 x 75	82325
SV	Red on White	250 x 75	62282
WM	Red on White	250 x 75	81561
WS	Red on White	250 x 75	55051

MARKER PLATES

Horizontal Marker Plates



71272



71212

- Identifies valves and hydrants beside roads and paths
- Features distinct reflective letters, for clear visibility at night
- Saves time for water crews and firemen etc
- Suits most kerbs, both standard and rollover varieties
- Heavy gauge, galvanised steel plate
- Black on lilac is for use with all recycled pipelines
- Custom markers available, please enquire
- 150 mm wide x 100 mm high

Style	Colour	PART No.
AV	Red on White	71182
HP	Red on White	71212
HR	Red on White	81227
RAV	Black on Lilac	81282
RHP	Black on Lilac	71242
RScV	Black on Lilac	81559
RSV	Black on Lilac	71272
ScV	Red on White	54992
SV	Red on White	71302

Vertical Marker Plates



77782 62102 62132

- Identifies valves and hydrants beside roads and paths
- Used on power poles, fences, marker posts etc
- Heavy gauge, galvanised steel plate
- Features distinct reflective letters, for clear visibility at night
- Saves time for water crews and firemen etc
- Black on lilac is for use with all recycled pipelines
- Custom markers available, please enquire

Style	Colour	Size (mm)	PART No.
AV	Red on White	250 x 75	62192
DV	Red on White	250 x 75	81237
H	Green on White	125 x 75	77782
HP	Red on White	250 x 75	62072
HR	Red on White	250 x 75	77752
MH	Red on White	250 x 75	57582
RAV	Black on Lilac	250 x 75	81560
RHP	Black on Lilac	250 x 75	62132
RScV	Black on Lilac	250 x 75	81403
RSV	Black on Lilac	250 x 75	62162
RV	Red on White	250 x 75	81343
SC	Red on White	250 x 75	86277
ScV	Red on White	250 x 75	81299
SMH	Red on White	250 x 75	86317
SV	Red on White	250 x 75	62102
VS	Red on White	250 x 75	57728
W PIPE	Red on White	250 x 75	57832
WM	Red on White	250 x 75	62222
ZV	Red on White	250 x 75	86504

UNDERGROUND MARKING TAPE

Non-detectable Mains Marking Tape

- Lead free, environmentally friendly tape
- Manufactured to AS2648.1-1995
- Super strong tape with superior chemical resistance
- Tape indicates 'DANGER BURIED **** MAIN BELOW'
- 150 mm wide x 500 m roll (3 way style: 200 mm wide x 500 m roll)



20506 66206 59076

Style****	Colour	PART No.
3 Way	Orange	66206
Natural Gas*	Yellow	59076*
Gas	Yellow	59016
Recycled Water	Lilac	23226
Sewer	Beige	76066
Water	Green	20506

**Approved by Jemena® – 'WARNING NATURAL GAS PH 131909'*

Detectable Mains Marking Tape

- Lead free, environmentally friendly tape
- Manufactured to AS2648.1-1995
- Super strong tape with superior chemical resistance
- Tape indicates 'DANGER BURIED **** MAIN BELOW'
- 0.7 mm stainless steel 316 trace wire
- Superior level of detectability
- 100 mm wide x 250 m roll


41936 38906

Style****	Colour	PART No.
Communication	White	66146
Electricity	Orange	58986
Firefighting	Red	85610
Gas	Yellow	59046
Non Potable Water	Lilac	59136
Potable Water	Green	59106
Recycled/Reclaimed Water	Lilac	38906
Sewer	Beige	41946
Water	Green	41936

Detectable Fair Warning Tape

- Plastic mesh style tape for higher exposure
- Premium level of service protection
- High chemical resistance, lead free colours
- Manufactured to AS/NZS2648.1-1995
- 0.7 mm grade stainless steel 316 tracer wire
- 200 mm wide x 100 m rolls



Style	Colour	PART No.
Gas	Yellow	66236
Sewer	Beige	43216
Water	Green	41926

MARKING POSTS

Park Style Plastic Marker Posts

- Used for marking utility services, walking tracks, etc
- Virgin PVC plastic, ensuring durability and lasting performance
- UV stabilised
- Post returns to upright after impact and can withstand multiple high speed impacts
- Retention barb at the foot of the post, anchors the post in position and acts as an anti theft device
- One piece extrusion design
- Shaped to prevent shimmering in the wind
- Durable, resistant to mould and mildew
- Not affected by hydrocarbon solvents
- Temperature range of < 0°C to 60°C
- 1,350 mm long, other sizes available if required, please enquire
- Available in a full range of colours including white, yellow, orange, green, blue and red
- Any label, reflective marker or sticker can be custom designed, specific to suit your needs, please enquire



Colour	PART No.
White	85616
Yellow	85617

Marker Post Driver

- For fast, simple installation of easy drive steel marker posts

PART No.	54865



Solid Plastic Marker Posts

- Widely used by councils and water authorities
- Heavy duty, solid, UV stabilised plastic for long outdoor service life
- Lettering stamped in either end means posts have dual purpose
- Also available without lettering for use with reflective marker sticker/plates, please enquire
- Often utilised by parks, gardens and tourist attractions to clearly identify essential services and information
- 1500 mm long x 95 mm wide x 45 mm deep

Style	Colour	PART No.
AV/SCV	White	39946
AV/SV	White	79946
HP/SV	White	81215
HP/SV	Yellow	79947
Plain	Green	79948
Plain	White	10623
SV/WM	White	14493



79946 79947

Steel Marker Posts

- High tensile, powder coated steel
- Lightweight and durable
- Exceptional UV resistance
- Superior weathering characteristics
- Depth marker hole for ease of installation
- Suited for use in all utility service marker applications
- Easy drive style post for fast, simple installation, made easier with the purpose built driver (54865)
- 1500 mm long x 75 mm wide
- Many other combinations and colours available, please enquire



Colour	Marker	Reflector	PART No.
Black	-	-	16534
Blue	-	-	85237
Blue	HP	Red	85239
Blue	SV	-	85240
Blue	WM	-	58131
Cream	-	-	18151
Green	-	-	16100
Lilac	-	-	56816
Red	-	-	85334
Red	SV	-	85338
White	-	-	85173
White	-	Blue	58146
White	-	Red	58147
White	AV	-	58130
White	HP	-	85241
White	SV	-	85242
Yellow	-	-	58128
Yellow	HP	-	85333

ROAD AND SITE MARKING

Spot Marker Paint

- Ideal for marking road work, building sites, survey use, pipe and cable locating etc
- Highly visible on most surfaces including bitumen, dirt, concrete, timber and grass
- Unique trigger cap designed for safe, easy inverted use
- 350 g c



Colour	PART No.
Black	15005
Blue	59702
Fluorescent Green	15135
Fluorescent Orange	15915
Fluorescent Pink	15085
Red	15025
White	15175
Yellow	15115
Lilac	15065

Spot Marking Paint Holder

- Designed for use with spot marking paint
- Provides easy operation without bending the back, reducing strain
- Lightweight yet robust steel construction
- Increased control and comfort while spraying



PART No.	59342

LINE MARKING PAINT

- Used for line marking on road ways, paths, playing fields, etc
- Fast drying to minimise downtime
- Approx 80 m of line on concrete, bitumen and grass
- High UV resistance
- Machine style actuator enables hand held use
- 500 g cans
- Bulk quantities of specialised and reflective marketing paints are readily available, please enquire



Suits	Colour	PART No.
Machine/Hand	White	61623
Machine/Hand	Yellow	61593

ROAD MARKERS (CATS EYES)

- Genuine Stimsonite® C80 series reflector
- High quality, heavy duty marker
- Maximum brightness, exceeds ASTM standards
- Extremely high abrasion and impact resistance
- Specifically engineered material coupled with patented grooved base to ensure maximum adhesion
- Made in USA
- Other colours available, please enquire



Colour	PART No.
Blue	59252
Green	14138
Orange	11730
Red	13674
White	80320
Yellow	11913

TAR PATCH

- Ideal for fixing road markers to bitumen and concrete
- Extremely economical
- Super fast curing < 2 minutes
- Supersedes epoxy style adhesives, saving time and money
- Easy to melt
- 120 mm long x 90 mm wide x 3 mm thick



PART No.	59282

GUIDE POST

- Used as a delineator on sides of the road
- Heavy duty, steel construction
- Powder coated for long service life
- Pointed end for easy installation
- Class 1A reflectors on both sides (50 mm wide x 200 mm high)
- 1400 mm long x 100 mm wide x 4 mm thick
- Also available in plastic, please enquire



PART No.	86531

SURVEY FLAG TAPE

- Used on construction sites and survey pegs for highly visible and quickly identifiable marks
- Knots easily without tearing
- Hand tearable
- UV stabilised
- Cost effective
- 75 m rolls
- Pack of 10 rolls



Colour	PART No.
Pink	80480
Blue	80481
Red	80482
Orange	80483
White	80484
Yellow	80485

SURVEY PEGS

- Often used for surveying and marking out
- Heavy duty, hardwood timber
- Painted end for easy identification
- 900 mm long
- Also available 230, 450, 600 mm long, please enquire



Size (mm)	PART No.
25 x 25	86098
25 x 50	86099

BARRIER TAPE AND MESH

Barrier Tape

- General purpose barrier or hazard warning tape
- Traditional red and white candy stripe
- Cost effective and easy to use
- 75 mm wide x 100 m roll



Style	PART No.
Stripe	59312
Danger	80421

Barrier Tube Tape

- Specially designed for longer term use
- Reusable
- Extremely strong, 80 micron thick
- Designed to fit over star posts and wire
- 75 mm wide x 50 m roll



Style	PART No.
Construction Area	59226
Do Not Enter	59166

Reflective Night Line

- Ideal for indicating non-trafficable area limits
- Class 1 reflective is more than 40% brighter than class 2 reflective, ideal for use in high speed traffic areas
- Fibre core PVC line for longer service life
- Reusable
- Quickly identifies hazards, both day and night
- Highly visible and cost effective
- 25 m rolls



Type	PART No.
Class 1	80420

SAFETY MESH

Economesh™ Fabric Style Mesh

- Cost effective woven style plastic mesh
- High visibility red and orange
- UV resistant
- Top and bottom straps for fast fixing
- Manufactured to AS1742
- 900 mm high x 50 m roll



PART No.	42286

Constructor Safe™ Plastic Mesh

- Heavy duty, high visibility orange, UV resistant plastic
- Suited for medium to long term jobs
- Manufactured to AS1742
- 1,000 mm high x 50 m roll



PART No.	42276

Heavy Duty Extruded Mesh

- Extra heavy duty
- High visibility orange
- Ideal for long term use
- Rigid style plastic requires less posts
- Manufactured to AS1742
- 1,000 mm high x 30 m roll



PART No.	42266

Pedestrian Work Zone Barrier

- Tough, single piece of thermoplastic frame
- Rotating self-weighted feet
- Easy to stack and store
- Reflective strips for use at night
- Simple linking system
- Dimensions 2,000 mm wide x 1,000 mm high
- Weighs 15.2 kg



PART No.	86461

BARRIER MESH ACCESSORIES

Timber Stakes

- Used for securing silt fence, bags and bales
- Cost effective, economical and environmentally friendly
- Custom sized stakes readily available, please enquire



Square (mm)	Length (mm)	PART No.
25	600	80404
25	900	80407
25	1200	80403
25	1500	80406
25	1800	81225
38	600	80402
38	900	80405
38	1200	14722
38	1500	14752
38	1800	14782

Star Posts

- Used for temporary posts to support barricad
- Heavy duty, black painted steel



Length (mm)	PART No.
900	80411
1350	80409
1650	80412
1800	80410

Star Post Cap

- Used on top of steel fence posts or starter bars
- Highly visible
- Protects sharp edges from causing injury
- Pack of 100



PART No. 80408

Tie Wire

- Used for securing silt fence or barricade mesh to posts or pickets
- 95 m long x 1.57 mm Ø



PART No. 80400

Cable Ties

- Ideal for attaching safety mesh and silt fence to star pickets and stakes
- Durable plastic
- 200 mm long x 4 mm wide
- Pack of 500



PART No. 80401

TRAFFIC CONTROL

Plain Witches Hats

- Flexible, fluorescent orange PVC plastic
- Heavy duty rubber style base
- Manufactured to AS1742



Size (mm)	PART No.
450	20456
700	80561

Reflective Witches Hats

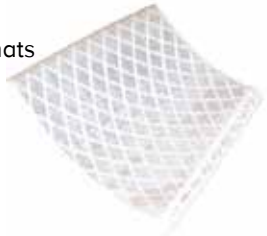
- Flexible, fluorescent orange PVC plastic
- Heavy duty rubber style base
- Class 1 reflective collar
- Manufactured to AS1742



Size (mm)	PART No.
450	80565
700	80562

Reflective Sleeves Only

- Class 1 reflective
- Fits most styles of witches hats



Size (mm)	PART No.
150	80563
250	80564

Barrier Board

- Heavy duty PVC
- Class 2 Reflective black and yellow stripes on both sides
- Robust, long lasting
- Manufactured to AS1906
- Also available in timber, please enquire
- Custom print service available, please enquire
- Shown with 2 stands (Part no. 85680, not included, refer below)



Stands (Part no. 85680) not included

PART No. 85679

Barrier Board Stand



- Yellow painted A-Frame
- Suits both PVC and timber boards

PART No.	85680

Barrier Beacon



- Ideal for delineating road works, worksites, pits or dangerous areas
- Automatically lights as dusk/night falls and turns off as daylight returns
- Dual mode, flashing/steady
- Easily attached to barrier board stands
- Supplied complete with batteries and anti-vandal fixing brackets on both sides

PART No.	85280

T-Top Bollards



- Ideal for use with night line or barrier tape
- Fluoro red post with Class 1 reflective sleeve
- Heavy duty rubber base
- Often used with barrier mesh
- 1,150 mm high

Size (kg)	PART No.
6	85177
8	55254

Replacement Top Only

PART No.	59420

Replacement Base Only

Size (kg)	PART No.
6	55063
8	86380

Stop/Slow Bats

- Class 1 reflective, lightweight yet sturdy
- 450 mm Ø
- Aluminium handle extends from 1.4 to 2.4 m

Type	PART No.
Aluminium	85558
Timber	85537



ENVIRONMENTAL PRODUCTS

ASBESTOS BAGS

- Approved for safely removing and disposing of asbestos waste
- Features a printed label 'WARNING ASBESTOS DUST'
- Extremely high quality and tear resistant
- 900 mm long x 600 mm wide
- Pack of 50



PART No.	76782

Sandbags

- Ideal for preventing rain water entering drains and buildings etc
- Ready to fill
- 840 mm long x 350 mm wide
- Supplied in multiples of 50



Style	PART No.
Hessian	80422
Poly	80423

SILT PRODUCTS

Silt Bags

- Heavy duty polypropylene mesh
- Prevents sediment from entering drains
- UV resistant
- Integrated tie strap
- Ready to fill
- Pack of 50





Style	Width (mm)	Length (mm)	Flow Rate (L/m²/min)	PART No.
Economy	230	860	15	86466
Premium	300	1000	23	58956

Silt Fence

- Used to stop silt and sediment from entering drains
- Long lasting, UV resistant mesh with woven edges to prevent fraying
- Fully compliant with all EPA regulations
- 860 mm wide



Style	Length (m)	Flow Rate	PART No.
Economy	100	High	**61146**
Premium	50	Very High	**57492**

Silt Sock

- Utilised around drain entry points to prevent silt and sediment entering stormwater systems
- High strength UV resistant filter fabric
- 150 mm Ø (filled)
- 4 m sections
- Also available in 50 m rolls, please enquire



PART No. **58926**

Geosynthetic Fabric Rolls

- All purpose cloth
- Ideal for use as a drainage filter, soil stabilizer, separation fabric etc
- Often used beneath paths, roads, behind retaining walls and around sub surface drainage
- 140 g/m2 x 1.3 mm thick with a maximum flow rate of 105 L/m2/s



Width (m)	Length (m)	PART No.
1	50	**85515**
2	100	**58981**
4	200	**58722**
6	175	**85072**

Mass Products Safety Grates

- High quality, lightweight material
- Special black non-slip powder coated finish giving clear vision through vented slots while carrying out works below
- A UV resistant nylon roller to accommodate jet rod hoses and camera cables
- Self-ventilating allowing for natural air flow and / or smoke testing
- 316 stainless hinges and hardware
- Engineered and manufactured to Australian Standards
- Load rated to SWL 150kg
- Portable, Easy to Transport

PART No. **21176**





Camera & Jet Rod Friendly



Confined Space Entry



Maintenance & Inspection works



SECTION 6

VALVES AND HYDRANTS

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BALL VALVES

BALL VALVES

Ball valves contain a spherical ball with an orifice straight through, mounted between Teflon® seals in either a screwed or flanged body in various materials. When the orifice is in line with both ends of the valve, flow will occur. When the valve is closed the orifice is perpendicular to the ends of the valve. The lever/handle will be in line with the orifice position, indicating the valve position.

General Industry Ball Valves

- Ideal for hot and cold water (non-potable), various oils, chemicals and compressed air
- Maximum working temperature 150°C
- Cold working pressure 2500 kPa
- Thread fully compliant with AS1722.2
- Nickel plated brass body, seat retainer and lever retaining nut
- Solid brass stem and gland and a chromium plated brass ball
- Teflon® (PTFE) seat and double O-ring Viton packing

F x F Ball Valves



Size (mm)	Length (mm)	PART No.
15	60	56223
20	70	79444
25	79	79445
32	97	79439
40	105	79441
50	125	79442
65	151	59812
80	174	56224
100	168	71062

M x F Ball Valves



Size (mm)	Length (mm)	PART No.
10	50	47832
15	60	47862
20	70	47892
25	79	47922
32	92	79438
40	105	79440
50	125	79443

F x F Mini Ball Valves

- Nylon handle
- Zinc coated brass



Size (mm)	Length (mm)	PART No.
6	42	85418
8	40	55474
10	41	55475
15	45	55476
20	53	55477

M x F Mini Ball Valves

- Nylon handle
- Zinc coated brass



Size (mm)	Length (mm)	PART No.
6	42	32866
8	40	32867
10	41	32868
15	45	12861
20	53	36869

L-Port 3-Way Bottom Entry Ball Valves

Size (mm)	PART No.
15	55464
20	86869
25	55465
32	55466
40	55467
50	55468



L-Port 3-Way Side Entry Ball Valves

Size (mm)	PART No.
15	32870
20	32871
25	32872
32	32873
40	32874
50	32875



T-Port 3-Way Bottom Entry Ball Valves

Size (mm)	PART No.
15	57181
20	55469
25	55470
32	55471
40	55472
50	55473



STRAIGHT DEZINCIFICATION RESISTANT (DZR) BALL VALVES

- As dezincification poses a serious threat to water supply it is mandatory that DZR valves are used in all potable/drinking water applications
- Available in many configurations and handle variations
- Approved for use on low pressure gas services
- Suitable for oils, chemical and hydrocarbon applications
- DZR brass body, seat retainer, stem, gland and T-Handle (optional)
- Solid brass lever retaining nut and a chromium plated DZR brass ball
- Teflon® (PTFE) seat and double O-ring Viton packing
- Thread fully compliant with AS1722.1
- Maximum working temperature 150°C (Gas applications maximum 60°C)
- Cold working pressure 2500 kPa (Gas applications maximum 1050 kPa)
- Most valves also available with lilac handles for use with recycled water services, please enquire

F x F Straight DZR Ball Valves

- Stainless steel, plastic coated handle



Size (mm)	Length (mm)	PART No.
20	70	62882
25	79	62912
32	97	62942
40	15	62972
50	125	63002
65	140	69652
80	150	69682

M x F Straight DZR Ball Valves

- Plastic coated, stainless steel lever handle



Size (mm)	Length (mm)	PART No.
20	77	51012
25	87	81120
32	93	88083
40	101	88084
50	122	86375

F x F Lockable Straight DZR Ball Valves

- Plastic coated, stainless steel level handle



Size (mm)	Length (mm)	PART No.
20	66	80372
25	77	59146
32	90	88079
40	98	48702
50	121	63003

M x F Lockable Straight DZR Ball Valves

- Plastic coated, stainless steel lever handle



Size (mm)	Length (mm)	PART No.
20	78	81166
25	90	86094
32	104	55451
40	114	55452
50	136	55453

F x F Lilac Straight DZR Ball Valves

- Stainless steel, plastic coated handle
- For use on non-potable/ recycled water applications



Size (mm)	Length (mm)	PART No.
20	67	11640
25	76	88076
32	93	88077
40	101	88078
50	122	59671

F x F T Handle Straight DZR Ball Valves



- DZR brass T Handle with brass nut
- Powder coated, aluminium handle (green handle option)

Size (mm)	Length (mm)	Handle	PART No.
15	60	Brass	88080
20	67	Brass	62822
25	76	Brass	62852
15	60	Green	88081
20	67	Green	86131
25	76	Green	88082
15	60	Lilac	22583
20	69	Lilac	10583
25	83	Lilac	20583

M x F T Handle Straight DZR Ball Valves

- DZR brass T Handle with brass nut
- Powder coated aluminium handle (green handle option)



Size (mm)	Length (mm)	Handle	PART No.
15	60	Brass	58157
20	70	Brass	63032
25	79	Brass	79448
15	60	Green	88085
20	67	Green	59093
25	76	Green	88086
15	68	Lilac	23092
20	78	Lilac	63092
25	90	Lilac	23093

F x F Lockable T Handle DZR Ball Valves



Size (mm)	Length (mm)	PART No.
20	70	10596
25	80	10595

M x F Lockable T Handle DZR Ball Valves



Size (mm)	Length (mm)	PART No.
20	75	11302
25	86	10594

PE x F Lockable T Handle DZR Ball Valve



Size (mm)	Length (mm)	PART No.
25 x 20	88	14614
32 x 25	100	16779

Compression x F Lilac DZR Ball Valve



Size (mm)	Length (mm)	PART No.
20	100	20146
25	130	10145

PE x F T Handle DZR Ball Valve



Size (mm)	Length (mm)	PART No.
25 x 20	95	14742
32 x 25	108	16778

PE x M T Handle DZR Ball Valve



Size (mm)	Length (mm)	PART No.
20 x 25	95	14743
25 x 32	108	16777

PE x F T Handle Lilac DZR Ball Valve



Size (mm)	Length (mm)	PART No.
25 x 20	88	14219
32 x 25	100	34219

PE x M T Handle Lilac DZR Ball Valve

Size (mm)	Length (mm)	PART No.
25 x 20	94	14744
32 x 25	107	34744



Flange Bronze Ball Valves

- Manufactured in Italy
- Watermarked to AS5200.012
- Flanges drilled to client specification
- Powder coated steel handle
- Carbon reinforced PTFE seals
- Listed valves are Table D
- Flanges can be drilled to client specification, please enquire



Size (mm)	Length (mm)	PART No.
50	150	88194
80	180	88195
100	190	88196

RIGHT ANGLE (90°) DEZINCIFICATION RESISTANT (DZR) BALL VALVES

F x F 90° Ball Valves

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	62	34292
25	64	34302
32	115	66833



F x M 90° Ball Valve

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	62	71362



M x F 90° Ball Valve

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	62	34293



F x F 90° Lilac Handle Ball Valve

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	85	86052



M x F 90° Lilac Handle Ball Valve

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	62	19778



F x Meter Thread 90° Ball Valves

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	85	71092
25	100	71152



F x NSW Meter 90° Ball Valves

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	85	69172
25	100	71122



Compression x F 90° Ball Valves

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	62	66802
25	75	70912



Compression x F Lilac 90° Ball Valve

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	62	10185



Compression x Meter Thread 90° Ball Valve

- Lockable DZR brass handle

Size (mm)	Length (mm)	PART No.
20	62	19779



Compression x NSW Meter 90° Ball Valves

- Lockable DZR brass handle



Size (mm)	Length (mm)	PART No.
20	85	69142
25	100	81114

Kinco x F 90° Ball Valve

- Lockable DZR brass handle



Size (mm)	Length (mm)	PART No.
20	62	55011

Kinco x M 90° Ball Valves

- Lockable DZR brass handle



Size (mm)	Length (mm)	PART No.
20	62	14922
25	62	12693

F x Flange 90° Ball Valves



Size (mm)	Length (mm)	Flange	PART No.
32	138	Oval	66832
40	115	Oval	66862
50	125	Round	66892

Long Handle to Suit Flange 90° Ball Valves



Size (mm)	Length (mm)	PART No.
32/40/50	150	80503

Hose Cock Ball Valve

- DZR brass handle
- Also available in anti-vandal option, please enquire



Size (mm)	Length (mm)	PART No.
20	105	81170

Hose Cock Bib Lockable



Size (mm)	PART No.
15	86093
20	55374

ABS/PVC BALL VALVES

- Applicable for agriculture, turf and home watering systems
- EPDM O-ring and seal

Slip ABS Ball Valves

- UV stabilised ABS
- Designed to suit PVC pressure pipe Series 1
- Maximum operating pressure 1000 kPa
- Temperature range 0-40°C



Size (mm)	Length (mm)	PART No.
25	98	57982
100	300	88101

Slip Union PVC Ball Valves

- Full bore, non-restricting orifice
- UV stabilised PVC
- Temperature range 0-40°C



Size (mm)	Length (mm)	PART No.
15	104	85729
20	115	85685
25	131	55454
32	147	55455
40	164	55456
50	210	55457

Union PVC Ball Valves



Size (mm)	Length (mm)	PART No.
15	104	54755
20	115	88180
25	131	88181
32	147	88182
40	164	88183
50	210	85728
65	265	88184
80	290	88185
100	366	88186

Threaded ABS Ball Valves

- Designed to suit PVC pressure pipe Series 1
- UV stabilised ABS
- Maximum operating pressure 1000 kPa
- Temperature range 0-40°C
- Thread fully compliant with AS1722.1

Size (mm)	Length (mm)	PART No.
20	92	**58063**
25	98	**58216**
32	113	**88019**
40	131	**59097**
50	149	**88020**
65	192	**88021**
80	229	**58904**
100	300	**88023**



SWJ/Union Schedule 80 PVC Ball Valves

Size (“)	Length (mm)	PART No.
½	105	**14120**
¾	121	**14121**
1	133	**14123**
1½	164	**13051**
2	183	**85125**
3	254	**54398**



GAS BALL VALVES

- For low to medium pressure gas applications
- Can be used for certain chemicals and oils, full data sheet available
- Maximum working temperature 60°C
- Cold working pressure 2500 kPa
- Thread fully compliant with AS1722.1
- Nickel plated brass body, seat retainer and lever retaining nut
- Solid brass stem and gland and a chromium plated brass ball
- Teflon® (PTFE) seat and double O-ring Viton packing
- AGA approved, licence numbers available upon request

F x F Gas Ball Valves

- Plastic coated, stainless steel lever

Size (mm)	Length (mm)	PART No.
10	50	**12884**
15	60	**86592**
20	70	**49183**
25	79	**49213**
32	93	**30061**
40	101	**88109**
50	122	**81111**
65	151	**57875**



M x F Gas Ball Valves

- Plastic coated, stainless steel lever

Size (mm)	Length (mm)	PART No.
15	60	**88087**
20	70	**88088**
25	79	**88089**
32	93	**88090**
40	101	**88091**
50	122	**88092**



F x F T Handle Gas Ball Valves

- Colour coded, powder coated alloy handle

Size (mm)	Length (mm)	PART No.
20	70	**49243**
25	79	**49273**



M x F T Handle Gas Ball Valves

- Colour coded, powder coated alloy handle

Size (mm)	Length (mm)	PART No.
20	67	**79446**
25	76	**79447**



F x F Square Head Ball Valves – Dual approved

- Typically used below ground
- Manufactured in Italy



Size (mm)	Length (mm)	PART No.
15	60	12353
25	84	12403
32	98	12413
40	108	12443
50	130	12473
65	159	65545

F x F Square Head Gas Ball Valves

Size (mm)	Length (mm)	PART No.
20	70	35887
25	84	35889
32	98	35888
40	108	35891
50	130	35890
65	159	54629
80	182	54630
100	219	54631

Round Flange Gas Ball Valves

- Table D



Size (mm)	Length (mm)	PART No.
100	181	86602
150	200	86378

POLY BALL VALVES

- For use above or below ground
- Strong, lightweight and compact design
- Smooth unrestricted, leak free on/off control
- Frost tolerant
- Potable water approved
- Glass fibre reinforced nylon body, end caps and handle
- Polypropylene ball and nitrile rubber O-ring
- Acetyl ball seats and stem
- BSP threaded, other styles available, please enquire
- Maximum working temperature 200°C
- Cold working pressure 1600 kPa
- Fully compliant with AS/NZ4020

F x F Poly Ball Valves



Size (mm)	Length (mm)	PART No.
15	79	88110
20	106	88111
25	116	88136
32	126	88142
40	137	88191
50	149	85973

M x F Poly Ball Valves



Size (mm)	Length (mm)	PART No.
15	79	55458
20	106	55459
25	116	55460
32	126	55461
40	137	55462
50	149	55463

Electrofusion Poly Ball Valves



Size (mm)	Length (mm)	PART No.
25	300	88102
32	300	88103
40	300	88104
50	414	88105
63	414	86714
75	414	88106
90	550	88107
110	550	85531
125	550	88108

1-Piece Stainless Steel 316 Ball Valves

Size (mm)	Length (mm)	PART No.
15	63	88264
20	74	88265
25	79	85994
32	101	88266
40	109	88267
50	123	85993
80	180	88269



2-Piece Stainless Steel 316 Ball Valves

Size (mm)	Length (mm)	PART No.
15	60	88271
20	70	58337
25	82	58290
32	96	88272
40	112	88273
50	126	58289
65	155	88274
80	170	85639



L-Port 3-Way Stainless Steel Side Entry Ball Valves

Size (mm)	Length (mm)	PART No.
15	72	22105
20	81	12105
25	91	22106
32	102	22107
40	112	22108
50	154	22109



TAPS

STOP TAPS

- Often used in boundary connections or as meter cocks
- DZR Brass Construction
- T-Handle
- Relies on jumper valve operation
- Can be reseated
- Replaceable jumper valves

O-RING STOP TAPS

F x F O-Ring Stop Taps

Size (mm)	Length (mm)	PART No.
20	70	59732



M x F O-Ring Stop Taps

Size (mm)	Length (mm)	PART No.
20	68	59762



Capillary O-Ring Stop Taps

Size (mm)	Length (mm)	PART No.
20	70	54843



GLAND PACK STOP TAPS

F x F Gland Pack Stop Taps

Size (mm)	Length (mm)	PART No.
20	70	34272
25	95	49422
32	115	49482
40	125	49512
50	140	49542
65	174	85003
80	210	85451
100	260	10154



F x M Gland Pack Stop Taps

Size (mm)	Length (mm)	PART No.
20	68	34262
25	95	49452
32	115	59972
40	125	16805
50	140	17154



F x F Right Angled (90°) Stop Taps



Size (mm)	Length (mm)	PART No.
20	60	79397
25	85	79398

F x M Right Angled (90°) Stop Tap



Size (mm)	Length (mm)	PART No.
20	70	34232

Compression x F Right Angled (90°) Stop Taps



Size (mm)	Length (mm)	PART No.
20	65	23881
25	80	79403

Compression x M Right Angled (90°) Stop Taps



Size (mm)	Length (mm)	PART No.
20	56	34252
25	93	10632

Capillary Right Angled (90°) Stop Taps



Size (mm)	Length (mm)	PART No.
20	75	34242

HOSE COCKS AND TAPS

O-Ring Hose Cocks



Size (mm)	Length (mm)	Type	PART No.
15	97	DZR Brass	57382
20	97	DZR Brass	42212
15	97	Chrome	85727

Gland Pack Hose Cocks



Size (mm)	Length (mm)	PART No.
15	97	59825
20	97	79392
25	110	79393

Inverted Hose Cock



Size (mm)	Length (mm)	PART No.
20	95	21481

Vandal Proof Hose Cock



Size (mm)	Length (mm)	PART No.
20	97	67492

Vandal Proof Tap Keys

- Solid brass
- Large key suits 16 spline spindle, the most popular vandal proof key in use



Size (mm)	PART No.
Small	79383
Large	78352

4-Way Vandal Proof Tap Key

- 4 distinct keys allowing operation of most vandal proof taps



PART No.	39442

Timer Taps



Button



Cam

Size (mm)	Style	PART No.
15	Button	58953
20	Button	56225
15	Cam	54754
20	Cam	56226

Sign, Recycled Water Do Not Drink BWR



PART No.	68499

Path Taps

- Underground service connection valve
- Full brass construction
- Replaceable top assembly and jumper valve



Size (mm)	Length (mm)	PART No.
20	70	36142
25	95	81272
32	115	58193
40	125	58185
50	140	86864

TAP PARTS AND ACCESSORIES

Top Assemblies

O-Ring Top Assemblies

Size (mm)	Size (")	PART No.
15	½	49122
18	5/8	58929
20	¾	49152



Gland Pack Top Assemblies

Size (mm)	Size (")	PART No.
15	½	49062
18	5/8	67552
20	¾	49092
25	1	78812
32	1¼	79387
40	1½	79388
50	2	79389
65	2½	53607
80	3	53654
100	4	54112



Vandal Proof Top Assemblies

Size (mm)	Size (")	PART No.
15	½	79385
18	5/8	79386



TPFNR Top Assemblies

Size (mm)	PART No.
20	62672
25	62702
32	62732
40	62762
50	62792



Jumper Valves

Size (mm)	PART No.		
	Durothane	Leather	Rubber
12	85388	67132	53542
15	56227	56231	68542
20	-	-	53572
25	-	-	78692
32	-	85355	78722
40	-	-	79390
50	-	12670	79391
65	-	-	59953



Fibre Tap Washers

Size (mm)	Size (")	PART No.
12	½	88113
15	5/8	59839
20	¾	58165
25	1	58161
32	1¼	86319
40	1½	86318
50	2	58166



Hose Cock Adaptors

- Adapts hose cocks to most guide hose couplers

Size (mm)	PART No.
20	57975
25	57976



Bubblers

- Ideal use for schools, municipal and other general public areas
- Integral adjustable flow regulators
- AAA water rating (under 9 L/min)
- Australian made and manufactured
- DZR brass with vandal proof features
- Bright chrome finish
- Maximum operating pressure 1200 kPa
- Fully compliant with AS3718
- Please note, only popular styles are shown here however, Cadia can supply a huge range of bubbler tap ware, please contact us with your requirements





GATE & RSG VALVES

Gate valves provide uninterrupted passage for the flow of fluids. Body ends are inline and the gate is moved between body seats by a spindle, the axis of which is at right angles to that of the body ends. It may be either inside screw, in which the actuating thread of the spindle is contained inside the valve and thus in contact with the line fluid, or outside screw, in which the actuating thread of the spindle is exterior to the bonnet. These are used extensively where a straight flow is required with minimum pressure drop. It is not recommended for flow regulation and should only be used fully opened or closed.

- Metal Seat Gate Valves available upon request

BRASS GATE VALVES

Untested Brass Gate Valves

- Ideal for use in potable water, low pressure heating, waterworks and irrigation applications
- Solid brass body, bonnet, wedge and stem
- Ductile iron hand wheel
- Maximum working temperature 180°C
- Cold working pressure 1600 kPa
- ISO228 threading
- Thread fully compliant with AS1722.1

Size (mm)	Length (mm)	PART No.
20	48	49362
25	57	49392
32	63	63392
40	65	63422
50	78	60032
65	85	63452
80	96	73432



Tested Brass Gate Valves

- Best choice for potable water, low pressure heating, waterworks and irrigation applications
- Will withstand greater frost pressures than untested valves
- DZR brass body, bonnet, wedge and stem
- Teflon® (PTFE) packing and a ductile iron hand wheel
- Maximum working temperature 180°C
- Cold working pressure 2500 kPa
- Thread fully compliant with AS1722.1

Size (mm)	Length (mm)	PART No.
15	57	86399
20	62	49302
25	73	49332
32	83	63302
40	86	63333
50	98	60002
65	105	63362
80	117	73462



Flange Brass Gate Valves

- Applications include water, oil, gas and irrigation, particularly heavy industry situations
- Solid brass body, bonnet and wedge
- Teflon® (PTFE) packing, stainless steel 304 shaft and a sturdy aluminium alloy handle
- Maximum working temperature 180°C
- Cold working pressure of 1380 kPa
- Flanges 15-80 mm fully compliant with AS2129 TE
- Flanges 100 mm undrilled

Size (mm)	Length (mm)	PART No.
15	80	88201
20	90	88202
25	100	88203
32	109	88204
40	114	88205
50	110	85214
65	130	88206
80	150	88207
100	178	88208



RESILIENT SEAT GATE (RSG) VALVES

- Suitable for water, sewerage and neutral liquid applications
- Ductile iron, epoxy resin coated body and wedge
- Rubber bended ductile gate
- EPDM O-ring and seal bushing and a stainless steel 431 stem
- Maximum working temperature 40°C
- Cold working pressure of 1600 kPa
- Design compliant with AS2638.2 (80-600 mm)
- Flanges compliant with AS4087 and AS2129
- Socket valves compliant with AS2280
- Epoxy resin coating is fully compliant with AS4158
- Certified to AS4020, suitable for contact with drinking water
- Valves are distinguished by white cap for anticlockwise and red cap for clockwise closing

Flange Resilient Seat Gate Valves

Size (mm)	Length (mm)	PART No.					
		ACWC			CWC		
		Table D	Table E	Table F	Table D	Table E	Table F
50	175	88114	88115	88120	85278	88126	88131
65	190	86126	88116	-	59998	88127	-
80	203	66112	88117	58476	66082	-	86662
100	229	36982	57712	88121	44922	57749	57625
150	267	37042	85102	88122	44472	58486	88132
200	292	37102	-	88123	60212	88129	88133
225	305	43662	88118	-	43632	88130	-
250	330	37162	57295	88124	60272	58487	88134
300	356	60332	88119	88125	60422	58488	88135
375	381	60512	-	-	59148	54043	-
400	406	-	-	-	-	-	-
450	432	88054	-	98125	88051	-	-
500	457	53687	-	-	88052	-	-
600	508	88056	-	-	88053	-	-





Socket Resilient Seat Gate Valves

- Series 2 PVC valves also suit DI, CI and AC pipes

ACWC

Size (mm)	PART No.	
	Series 1 White	Series 2 Blue/Lilac
80	-	12444
100	43392	37012
150	43422	37072
200	43452	37132
225	43482	60242
250	43512	37192
300	60392	60362



CWC

Size (mm)	PART No.	
	Series 1 White	Series 2 Blue/Lilac
80	56349	-
100	43242	41882
150	43272	41892
200	43302	43542
225	43332	43572
250	60302	43602
300	60482	60452
375	-	54470



Spigot Resilient Seat Gate Valves

Size (mm)	PART No.	
	ACWC	CWC
80	53896	54435
100	44532	44442
150	44562	44502
200	74772	74742
225	13397	56821
250	12628	54006
300	29763	54657



Flange x Socket Resilient Seat Gate Valves

- Table D



Size (mm)	PVC Type	PART No.	
		ACWC	CWC
80	Series 1 White	88137	88140
100	Series 1 White	88138	86565
150	Series 1 White	88139	88141
100	Series 2 Blue/Lilac	57525	86564
150	Series 2 Blue/Lilac	57526	57963

Push Fit Poly Resilient Seat Gate Valves

- Tensile resistant sockets to suit PE pipe
- Thermally bonded epoxy resin coated ductile iron
- DZR brass wedge vulcanised with EPDM rubber
- Suited for 25-63 mm service lines



Size (mm)	Length (mm)	PART No.	
		ACWC	CWC
25	164	88046	88043
32	175	88047	88044
40	205	88048	88045
63	300	88050	86309

Poly Spigot Resilient Seat Gate Valves



Size (mm)	Length (mm)	PART No.	
		ACWC	CWC
63	880	12379	12726
75	900	11327	12727
90	950	12718	12728
110	975	14887	12729
125	1100	12025	12730
160	1100	12719	12731
180	1100	12026	12732
200	1120	12720	12733
225	1100	12721	12734
250	1350	12723	12735
280	1350	12724	12736
315	1350	12725	12737

Rising Spindle Resilient Seat Gate Valves

- Typically used on fire service installations
- Rising stem allows operator to quickly gauge position of gate
- Suited for water, sewerage and neutral liquids
- Flanges compliant with AS4087 and AS2129
- Also known as OS and Y
- CWC closing
- Note: Table F available on request, please enquire



Size (mm)	Length (mm)	PART No.	
		TD	TE
50	175	88143	-
65	190	88144	-
80	203	88145	-
100	229	58512	59091
150	267	56236	59090
200	292	88146	59092
250	330	88148	-
300	356	88149	-

Bypassed Resilient Seat Gate Valves



- Flanges compliant with AS4087 and AS2129
- Listed valves are Table D

Size (mm)	Length (mm)	Bypass Size (mm)	PART No.	
			ACWC	CWC
450	650	80	88060	88057
450	650	100	11555	14919
500	700	80	88061	88058
600	800	80	88062	88059

PARTS AND ACCESSORIES

Bolt-In-Top Stop Valve Heads



Size (mm)	PART No.	
	ACWC	CWC
50-100	74532	74502
150	80261	80041

Bolt-In-Side Stop Valve Heads

Size	PART No.	
	ACWC	CWC
Small	74382	74442
Large	74412	74472
Extra Large	85635	-



ACWC *CWC*

Stop Valve Hand Wheels



- Please specify brand of valve when ordering these items to ensure the correct hand wheel is supplied

Suits Size (mm)	Valve Brand	PART No.	
		ACWC	CWC
80	AVK	81377A	81368A
100	AVK	80321A	81196A
150	AVK	80322A	81197A
200-300	AVK	57967A	88150A
65-80	MAXIFLO	81377	81368
100	MAXIFLO	80321	81196
150	MAXIFLO	80322	81197
200-300	MAXIFLO	57967	88150

FluoCord Rolls

- Resilient cord-type spirally wrapped PTFE packing
- Conforms readily to any housing annulus whilst resisting extrusion
- Ideal for emergency applications
- Can also be adapted to create emergency flange gaskets
- Reduces risk of valve stem corrosion
- Temperature range -150 to +250°C
- Maximum system pressure 3500 kPa
- 25 m roll on cardboard spool

Size (mm)	PART No.
2.5	57407
4	56058
8	56061
10	56062
13	56063



RoGraf Packing Rope

- Manufactured from cross plaited synthetic yarns
- Provides consistent and uniform density, resilience, strength and durability
- Typically used with rotary/reciprocating pumps and valves
- Impregnated with specially formulated lubricants and PTFE
- Suited for use on air, hot and cold water, mild acids and alkalis
- Maximum working temperature 200°C
- pH range 4-10
- Other sizes available

Size	PART No.	
	Length 1m	Length 8m
6.5	57806	57883
8	-	59281
10	-	29582
11	57809	-
12	57810	85528



RoFlon Packing Rope

- Manufactured from cross plaited synthetic yarns
- Impregnated with specially formulated lubricants
- Provides consistent and uniform density, resilience, strength and durability
- Typically used with rotary/reciprocating pumps and valves
- Suited for use where greater resistance to acids and alkalis is required
- Maximum working temperature 250°C
- pH range 2-12

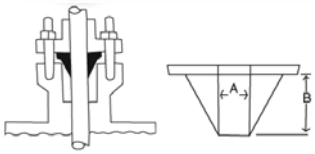


Size	PART No.	
	Length 1m	Length 8m
3	-	56323
5	88209	86897
8	88210	86887
10	85297	88213
12	88211	88214
14	-	88215

Valve Cones

- EPDM rubber, approved for potable water
- Replaces the need for packing
- Extremely durable with long service life
- Not affected by high usage
- Dual sealing action against stem and gland follower
- Simply remove packing, insert correct sized cone, invert the gland follower and bolt down





Valve Cone No.	A (mm)	B (mm)	PART No.
4	21	23	80545
6	25	27	13792
7	32	44	36555
8	28	29	13822
9	35	44	13852
10	32	17	13882
12	35	30	13942
14	38	32	13972
16	41	35	14002
18	45	35	14032
48	48	50	14062
55	55	50	14092

Stop Valve Eye Bolts

- Used to hold the packing plate tight on older style valves
- High quality steel
- Zinc plated threads with nuts to suit

Size (mm)	PART No.
Small	10562
Medium	10592
Large	10622



STAINLESS STEEL KNIFE GATE VALVES

- Stainless steel knife gate valves are designed for inline services.
- Should the valve be used on dead-end applications, a support flange should be used.

Metal Seat Knife Gate Valves

- Suitable for mining, effluents and water treatment applications
- CF8M body and gland
- CF8 yoke and clevis
- Stainless steel 304 stem and grease nipple and a stainless steel 316 gate
- Braided Teflon® (PTFE) gland packing and a cast steel hand wheel
- Maximum working temperature 200°C
- Cold working pressure 1034 kPa
- Valve design MSS SP-81 and flange fully compliant with AS2129



Size (mm)	Length (mm)	Bolt Size	PART No.	
			Table D	Table E
100	51	M16	88096	86326
150	57	M16	88147	88041
200	70	M20	88347	88042
250	70	M20	88348	86534
300	76	M24	86512	88349

Resilient Seat Knife Gate Valves

- CF8M body, gland and retainer and CF8 yoke, clevis and bearing housing
- Stainless steel 304 stem and grease nipple
- Stainless steel 316 gate and retainer screw
- Braided Teflon® (PTFE) gland packing, cast steel hand wheel and an NBR seat
- Maximum working pressure 100°C
- Cold working pressure 1034 kPa
- Valve design MSS SP-81 and flange fully compliant with AS2129



Size (mm)	Length (mm)	Bolt Size	PART No.	
			Table D	Table E
100	51	M16	88353	88218
150	57	M16	88354	88219
200	70	M20	88355	88220
250	70	M20	88356	88221
300	76	M24	88357	88358

BUTTERFLY VALVES

Resilient seat butterfly valves are used in a wide range of applications including HVAC, gas, water and wastewater treatment along with mining and general industry. They are compact and give bubble-tight shut off as well as having good regulating capabilities.

Wafer Butterfly Valves

- Wafer style is designed for inline service
- Relies on a flange either side of the valve to secure it into the pipeline
- Cast iron body, ductile iron handle and a stainless steel 416 stem
- CF8M hub shaft, Teflon® (PTFE) bushing and an NBR O-ring
- Body design is such that it can be used with most international flanges including AS2129, BS10, ANSI, DIN and JIS standards



Size (mm)	Length (mm)	PART No.
50	42	79409
65	45	88151
80	48	79405
100	55	79406
150	59	79407
200	64	79408
250	66	58158
300	76	59085

Lugged Butterfly Valves

- Compact lugged body
- Metric tapped lugs cast into the body
- Allows fixing of a flange one side at a time
- Can be mounted at the end of a pipeline without the need for a flange on the downstream (discharge) side
- Cold working pressure 1600 kPa
- Top flange compliant to ISO5211



Size (mm)	Length (mm)	PART No.
50	42	79410
65	45	58093
80	48	79411
100	55	65032
150	59	79412
200	64	79413
250	66	88037
300	77	88038

Flange Butterfly Valves

- High quality, fusion bonded epoxy coated ductile iron construction
- Stainless steel 316 slim-style disc
- One-piece stainless steel shaft supported by four high grade bronze bushes
- Proven and tested, full length, non-collapsible, stretch resistant, blow-out proof wrap around seat
- Face to face dimensions, fully compliant with AS4795
- 1600 kPa pressure rating
- Available with either lever or gear box operating depending on size, please enquire



Size (mm)	Length (mm)	Table	PART No.
50	111	D	88006
65	115	D	88007
80	115	D	88008
100	130	D	57559
125	143	D	88009
150	143	D	88010
200	155	D	57558
250	168	D	88011
300	182	D	88012
375	198	D	58037
80	115	F	85496
100	130	F	85497

Roll Groove Butterfly Valves

- Nylon coated ductile iron body
- EPDM encapsulated ductile iron disc
- Hardened tempered stainless steel stem
- Factory installed UL approved tamper switch
- Maximum working temperature 120°C
- Maximum operating pressure 1200 kPa



Size (mm)	Length (mm)	PART No.
65	252	88016
80	259	88017
100	292	59678
150	327	86599
200	351	88018

FIRE VALVES AND HYDRANTS

LANDING VALVES

- High quality, heavy duty DZR brass body
- Replaceable neoprene washer
- Cast iron, painted hand wheel
- Compliant with AS2419.2



79502



79501

BSP Male Landing Valves

- 65 mm

Outlet	PART No.
CFA	79503
FBT	79502
QRT	79505
SA	79504
Storz	79501

Roll Groove Landing Valves

- 65 mm

Outlet	PART No.
CFA	79497
FBT	79496
QRT	79499
SA	79498
Storz	79500



LANDING VALVE ASSEMBLIES

- Fully compliant with all fire service codes
- Adapted to any requirement
- Full fire service quoting available, simply supply engineering drawings/specifications

Single Landing Valve Assemblies

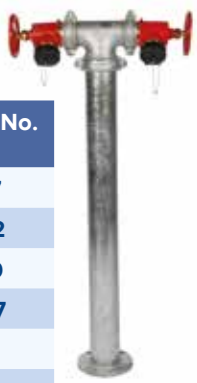
- Also available with QRT, SAFB, CFA and Storz valves
- Can be manufactured to any length or flange requirement, please enquire



Size (mm)	Length (mm)	Valve Outlet	PART No.
80	1200	QRT	59790
80	1200	Storz	85774
100	1200	NSW	85354
100	1600	Storz	10663

Dual Landing Valve Assemblies

- Also available with QRT, SAFB, CFA and Storz valves
- Can be manufactured to any length or flange requirement, please enquire
- NSW FB



Size (mm)	Length (mm)	Table	PART No.
80	1200	D	58167
100	1200	D	57442
100	1400	D	12059
100	1500	D	65897
100	1600	D	11100
100	1700	D	12502
100	2100	D	54062

Bull Head Landing Valve Assembly

- Supplied complete with NSW FB Landing Valves
- Also available with QRT, SAFB, CFA and Storz valves
- Can be manufactured to any length or flange requirement, please enquire





Size (mm)	Length (mm)	Table	PART No.
100	1200	E	58720

BOOSTER VALVE ASSEMBLIES

H-Pattern Booster Valve Assemblies

- Available with NSW, CFA, QRT, Storz or BIC valves
- Length and height fully adaptable to suit specific requirements, please enquire
- Note: please specify valve outlet requirements at time of order

Size (mm)	PART No.
100	58890
150	86393
200	14921
250	10030





Booster Valve with DDCV Assemblies

- H-Pattern style supplied standard, variations can be made according to requirements, please enquire
- Available with NSW, CFA, QRT, Storz or BIC valves
- Length and height fully adaptable to suit specific requirements, please enquire
- Note: please specify valve outlet requirements at time of order

Suits (mm)	PART No.
100	59527
150	85583



Booster Valve Assembly Cabinets

- Please specify door label requirement at time of order
- Custom sizes available, please enquire

Suits (mm)	PART No.
100	58719
150	58768





HOSE REEL

- High quality brass nozzle
- Powder coated, fire engine red
- Wall mountable
- Includes 19 mm x 36 m rubber delivery hose
- Compliant with AS/NZS1221
- Cabinets also available, please enquire

PART No.	58177



Hose Reel Cabinet

- Size 1000 mm h x 760 mm w x 370 mm h

PART No.	58469

SPRING HYDRANTS

- For use in potable and non-potable applications
- Ductile iron yoke and body
- EPDM rubber seal, stainless steel 316 spring and fastener
- Copper alloy mushroom
- Seat infiltration resistance 55 kPa (vacuum)
- Maximum working temperature 40°C
- Cold working pressure 1600 kPa
- Fully compliant with AS3952, AS4087 and AS3952
- Flange Table D, other drillings manufactured to order, please enquire





Spring Hydrants

Size (mm)	PART No.	
	Potable	Non-Potable
80	36592	88152
100	79495	88153

HYDRANT PARTS

Hydrant Seals

- Suited for use in 80 and 100 mm Hydrants


10932


20342


10952

ID (mm)	OD (mm)	Material	PART No.
60	110	Leather	10932
60	115	Ribbed Rubber	10952
47	116	Flat Rubber	20342
50	120	Cotton Duck Fibre	90343

Hydrant Spring

PART No.	75402



Hydrant Mushroom

PART No.	75432



Hydrant Repair Kits

Type	PART No.	
Standard	10892	
With Ball	11764	
Bolted – Gal Bolts	81601	
Bolted – SS Bolts	10681	

Hydrant Yoke

PART No.	65572



Hydrant Bolts

- Square head bolts
- Also available in custom lengths and diameters, minimum order quantities apply, please enquire


10862


10872

Length (mm)	Material	Thread Diameter (mm)	Head Type	PART No.
65	Galvanised	M16	Centred	14694
75	Galvanised	M16	Centred	17450
75	Galvanised	M16	Offset	10862
75	Stainless Steel	M16	Offset	10872
80	Galvanised	M12	Centred	53986
100	Galvanised	M12	Centred	12750
100	Galvanised	M16	Offset	59485
100	Stainless Steel	M12	Centred	54183

Isolation Valves

- Screwdown style
- Designed for hydrant and air valve control
- Suited for use with water, sewerage and neutral liquids
- Universal slotted flange drilling suits both 80 mm and 100 mm flanges
- Epoxy resin coated ductile iron
- EPDM rubber stopper
- Often used with NSW male to flange adaptors



Size (mm)	PART No.	
	ACWC	CWC
80	59359	58996
100	56080	59288

CHECK VALVES & RPZDS

SINGLE CHECK VALVES

Spring Check Valves

- Suitable for hot/cold water, compressed air and oils
- Solid brass body
- Stainless steel 302 spring, and stainless steel 304 plated seat
- Can be fitted in horizontal, vertical or oblique positions
- Water working temperature 0-90°C
- Threaded female BSP

Size (mm)	Length (mm)	PART No.
20	62	62492
25	75	62522
32	82	62552
40	93	62582
50	100	62612
65	120	62642
80	140	79592
100	158	79593



Swing Check Valves

- Used where the flow moves in a straight line similar to that in a gate valve
- Commonly used in pipe lines conveying liquids by gravity or pumping

Brass Swing Check Valves

- Solid brass body, bonnet and hinge-pin nut
- Incorporates a disc which swings on a hinge
- Suitable for use in oil and water applications
- Maximum working temperature 200°C
- Cold working pressure 1380 kPa
- Thread fully compliant with AS1722.1

Size (mm)	Length (mm)	PART No.
20	60	79563
25	68	79564
32	78	79562
40	91	79560
50	106	79561
65	128	88154
80	130	79565
100	167	79559



Flange Swing Check Valves

- Typically used in horizontal position in applications where dry matter does not exceed 10%
- Lever and weight option is suited for installation in both vertical and horizontal positions
- Weight lever is also an indication of position of valve disc
- Microswitch option allows remote monitoring of valve operation
- Suits all potable water and sewerage applications
- Low head loss when fully open
- Fully rubber coated disc prevents corrosion whilst ensuring drip-free closure
- Maximises utilisation of pump capacity through little to no pressure loss
- All maintenance and servicing can be performed whilst valve is in situ
- Other sizes of limit switches are available on request, please enquire

Size (mm)	Length (mm)	Table	PART No.		
			Standard	Lever and weight	Lever, Weight and Microswitch
80	260	D	79657	79646	56083
100	330	D	79656	79647	56084
150	410	D	79655	79648	58945
200	540	D	79654	79649	56085
250	640	D	79653	79650	-
100	330	E	59806	-	-

Standard Option



Includes Lever and Weight



Ball Check Valves

- Used where full uninterrupted flow is required
- Ideal for water treatment plant applications
- Internal compartment retains ball whilst upstream pressure is applied
- Check action occurs when pressure ceases as ball valve returns to original position, thus blocking return flow
- Ductile iron body and cover
- EPDM coated metal ball and gasket
- Maximum working temperature 120°C
- Cold working pressure 1000 kPa
- Flanges fully compliant with AS2129



Size (mm)	Length (mm)	Table	PART No.
50	200	E	**88029**
80	260	D/E	**85313**
100	300	D	**88031**
100	300	E	**58510**
150	400	E	**58991**
200	500	D	**88032**
250	600	D	**88034**

Wafer Check Valves

- Suitable for use with water, oil and gas applications
- Often used in effluent or raw water applications
- Cast iron body, stainless steel 316 spring and disc and EPDM seat
- Maximum working temperature 120°C
- Cold working pressure 1000 kPa
- Flanges fully compliant with AS2129

Size (mm)	Length (mm)	PART No.
50	43	**79576**
65	48	**88035**
80	64	**79577**
100	64	**79578**
150	76	**79581**
200	89	**79580**
250	114	**79579**
300	114	**88036**



Foot Valves

- Used when pumping from dams, creeks, rivers etc.
- Ensures pumps remain primed by retaining water in the feed line

Brass Foot Valves

- Ideal for general, irrigation and rural pumping applications
- Solid brass body and an NBR gasket
- Maximum working temperature 100°C
- Cold working pressure 965 kPa
- Thread fully compliant with AS1722.1

Size (mm)	Length (mm)	PART No.
20	69	**80445**
25	80	**80440**
32	92	**80444**
40	100	**80438**
50	117	**80441**
65	140	**80443**
80	173	**80439**
100	194	**80442**



Poly Foot Valves

- Designed for use in vertical or horizontal position for flexible installation
- Typically used on feeder lines for pumps
- Manufactured from UV stabilised lightweight high performance thermoplastic material
- Very high impact and corrosion resistance
- High quality stainless steel spring and nitrile O-rings for long service life
- Large pressure range, 20-1400 kPa

Size (mm)	Height (mm)	PART No.
20	127	**56088**
25	148	**56089**
32	166	**56090**
40	185	**56091**
50	224	**56092**
80	480	**12744**
100	560	**12745**
150	700	**56853**
200	790	**56355**



Galvanised Foot Valves

- Heavy duty, galvanised steel construction
- Sturdy, free acting arm
- Float fixing point to keep valve out of mud etc.

Size (mm)	Length (mm)	PART No.
80	294	**88187**
100	303	**88188**
150	560	**88189**
200	665	**88190**
250	750	**88192**
300	835	**88193**



Stainless Steel 304 Foot Valves

- Extremely robust fully welded construction
- Full stainless steel construction for maximum service life
- Replaceable spring and seals

Size (mm)	Length (mm)	PART No.
100	216	**88000**
125	279	**88001**
150	279	**88002**
200	337	**88003**
250	406	**88004**
300	457	**88005**



DUAL CHECK VALVES

- Simple, easy to use and compact
- Often used in situations where meters do not have integrated check valves
- Cast DZR brass construction with plastic internals
- High capacity versions are easily identifiable by a blue circular band and are often in high flow situations
- Available ready to couple directly to NSW or meter thread style meters

Female Dual Check Valves



71482



71572

Size (mm)	Length (mm)	Capacity	PART No.
15	94	Regular	**79658**
20	100	Regular	**71482**
20	100	High	**71392**
25	115	High	**71572**
32	165	High	**71662**
40	165	High	**71692**

Meter Thread Dual Check Valves

- BSP female inlet

71512



Size (mm)	Length (mm)	Capacity	PART No.
20	100	Regular	**71512**
25	115	Regular	**71602**

NSW Meter Thread Dual Check Valves

- BSP female inlet



Size (mm)	Length (mm)	Capacity	PART No.
20	92	Regular	**71542**
25	157	Regular	**71632**

Watts Vented Dual Check Valve

- Specially designed for smaller supply lines
- Often used in laboratory equipment, treatment plant and boiler applications
- Suited for use on hot and cold water under continuous pressure
- Features a rubber on rubber primary and rubber on metal secondary check mechanism
- Supplied fitted with union connections to facilitate removal and replacement
- Can be installed vertically or horizontally
- Brass construction with stainless steel internals
- Temperature range 5-121°C
- Working pressure range 172-1200 kPa



Size (mm)	Length (mm)	Capacity	PART No.
20	105	High	**58907**

DOUBLE CHECK VALVES

- Prevents pollution of potable water supply at cross connection points
- Used in medium hazard situations
- Fully serviceable with all parts readily available, please enquire

Watts 007 Double Check Valves

- Easy to maintain
- Top entry via single cover
- Modular construction with compact design
- Low pressure drop
- Top mounted test cocks
- Replaceable seats and seat discs
- 15-50 mm cast bronze body, 65-80 fused epoxy coated cast iron body
- Temperature range 5-82°C (15-50 mm) and 5- 43°C (65-80 mm)
- Maximum operating pressure 1200 kPa

Watts 007 Valves

Size (mm)	Length (mm)	PART No.
15	127	**79614**
20	157	**79618**
25	191	**79619**
32	241	**79615**
40	248	**79617**
50	340	**79616**



Watts 007 Fire Service Kits

- Includes locked ball valves or compliant butterfly/ RSGV
- Supplied ready to install
- Resilient seat gate valves are clockwise close



Size (mm)	Length (mm)	Valve Type	PART No.
15	250	Ball	**59582**
20	275	Ball	**63842**
25	324	Ball	**66266**
32	402	Ball	**66296**
40	418	Ball	**79401**
50	495	Ball	**68572**
65	554	Butterfly	**75762**
80	558	Butterfly	**79399**
80	866	RSG	**79400**

Watts 007 Complete Kits

- Includes strainer and valves
- Does not include gasket kits
- Resilient seat gate valves are clockwise close



Size (mm)	Length (mm)	Valve Type	PART No.
15	370	Ball	**79604**
20	390	Ball	**79605**
25	410	Ball	**79606**
32	470	Ball	**79607**
40	470	Ball	**79608**
50	500	Ball	**79609**

Watts 2000 Double Check Valves

- Suited to retrofit or replacement applications
- Extremely short end to end dimensions
- Very low pressure loss via patented torsion spring check valve
- Single access cover for ease of maintenance
- Stainless steel body provides low weight yet high corrosion resistance
- Thermoplastic and stainless steel check valves for trouble free operation
- Can be installed vertically or horizontally
- Temperature range 5-43°C
- Maximum working pressure 1200 kPa

Watts 2000 Valves

- Flange Table E



Size (mm)	Length (mm)	PART No.
65	559	**79645**
80	559	**79644**
100	559	**79643**
150	699	**79642**
200	749	**79641**
250	749	**79640**

Watts 2000 Fire Service Kits

- Includes locked ball valves or compliant butterfly/ RSGV
- Supplied ready to install
- Flange Table E
- Resilient seat gate valves are clockwise close



Size (mm)	Length (mm)	Valve Type	PART No.
65	649	Butterfly	**79423**
80	622	Butterfly	**79428**
100	647	Butterfly	**79454**
150	847	Butterfly	**79456**
80	932	RSG	**79429**
100	974	RSG	**79455**
150	1262	RSG	**79457**
200	1333	RSG	**79903**
250	1359	RSG	**79904**

Watts 2000 Complete Kits

- Includes strainer and valves
- Does not include gasket kits
- Flange Table E
- Resilient seat gate valves are clockwise close



Size (mm)	Length (mm)	Valve Type	PART No.
65	910	Butterfly	**79636**
80	912	Butterfly	**79637**
100	977	Butterfly	**79638**
150	1287	Butterfly	**79639**
80	1222	RSG	**79631**
100	1324	RSG	**79632**
150	1232	RSG	**79633**
200	1883	RSG	**79634**
250	2070	RSG	**79635**

Watts 709 Double Check Valves

- Modular check design for easy maintenance
- Maximum flow at low pressure drop
- Captured spring assemblies for highest level of safety
- Replaceable bronze seats
- Epoxy coated cast iron construction
- Approved for vertical flow installation applications
- Temperature range 5-43°C
- Maximum working pressure 1200 kPa
- Flange Table E

Watts 709 Valves



Size (mm)	Length (mm)	PART No.
80	610	**58946**
100	864	**79624**
150	1089	**79622**
200	1321	**79623**
250	1626	**79621**

Watts 709 Fire Service Kits

- Includes compliant CWC resilient seat gate valves
- Supplied ready to install
- RSG valve type



Size (mm)	Length (mm)	PART No.
100	1322	**79402**
150	1623	**79422**

Watts 709 Complete Kits

- Includes strainer and valves
- Does not include gasket kits
- Resilient seat gate valves are clockwise close



Size (mm)	Length (mm)	Valve Type	PART No.
100	1325	Butterfly	**79625**
150	1610	Butterfly	**79626**
80	1309	RSG	**58947**
100	1685	RSG	**79627**
150	2030	RSG	**79630**
250	2946	RSG	**79629**

DETECTOR CHECK VALVES

- Utilised on fire service lines where high flow may be required
- Also used to monitor unauthorised use of water
- Automatically diverts flow based on flow volumes

Single Detector Check Valves

Non-Metered Bypass Single Detector Check Valves

- Supplied with poly spacer, replaced by water authority prior to use
- Often used where bypass does not require monitoring
- Can be supplied as a complete kit including resilient seat gate or butterfly valves



Size (mm)	Length (mm)	PART No.	
		Bypass	
		20mm	25mm
80	305	**79549**	**79550**
100	430	**79551**	**79552**
150	525	**79553**	**79554**
200	660	**79555**	**79556**
250	810	**79557**	**79558**

Metered Bypass Single Detector Check Valves

- Supplied complete with WSA approved meter, couplings and bypass assembly
- Can be supplied as a complete kit including resilient seat gate or butterfly valves



Size (mm)	Length (mm)	PART No.	
		Bypass	
		20mm	25mm
80	305	**79566**	**79567**
100	430	**79568**	**79569**
150	525	**79570**	**79571**
200	660	**79572**	**79573**
250	810	**79574**	**79575**

2000 Series Non-Metered Double Detector Check Valves

- Supplied with poly spacer, to be replaced by the water authority prior to use
- Often used where bypass does not require monitoring
- Can be supplied as a complete kit including resilient seat gate or butterfly valves



Size (mm)	Length (mm)	Bypass (mm)	PART No.
80	965	20	**79509**
100	559	20	**58046**
150	699	20	**56075**
200	749	25	**56077**

2000 Series Metered Double Detector Check Valve Metered Bypass Stainless Steel

- Supplied complete with WSA approved meter, couplings and bypass assembly
- Can be supplied as a complete kit including resilient seat gate or butterfly valves



Size (mm)	Length (mm)	Bypass (mm)	PART No.
80	965	20	**56818**
100	559	20	**54761**

REDUCED PRESSURE ZONE (RPZ) DEVICES

- Designed to provide maximum protection to potable water supply
- Used on high risk applications which would result in health hazard if compromised
- All backflow is dumped from device preventing any risk of contamination

Watts 009 RPZ Devices

- Single cover access for ease of maintenance
- Two inline independent check valves
- Captured springs for safe maintenance
- Internal relief valve for reduced installation clearances
- Replaceable seats for economical repair
- Large body passages provide low pressure drop
- Compact, robust, space saving design
- Bronze body with silicone rubber discs (20-50 mm) and epoxy coated cast iron body (65-80 mm)
- Temperature range 5-82°C (20-50 mm) 5-43°C (65-80 mm)
- Maximum working pressure 1200 kPa



Watts 009 Devices

Size (mm)	Length (mm)	PART No.
20	160	**79691**
25	215	**79693**
32	320	**79694**
40	320	**79692**
50	320	**79690**
80	460	**79695**

Watts 009 Kits

- Includes strainer and valves
- Does not include gasket kits
- Resilient seat gate valves are clockwise close



Size (mm)	Length (mm)	Valve Type	PART No.
20	430	Ball	**79676**
25	475	Ball	**79675**
32	645	Ball	**79674**
40	595	Ball	**79673**
50	740	Ball	**79672**
65	1115	Butterfly	**79678**
80	1130	Butterfly	**79679**
80	1130	RSG	**79677**

Watts 4000 RPZ Devices

- Stainless steel construction provides long term corrosion resistance
- Short end to end dimensions for easy retrofitting
- Bottom mounted relief valves reduce clearance requirements
- Patented torsion spring check valves provide maximum flow at low pressure reduction
- Compact construction coupled with reduced weight of stainless steel ensures valve is easy to ship and install
- Thermoplastic and stainless steel check valves allow trouble-free operation
- Table E



Watts 4000 Devices

Size (mm)	Length (mm)	PART No.
80	559	**79701**
100	559	**79700**
150	699	**79697**
200	749	**79699**
250	749	**79698**

Watts 4000 Kits

- Includes strainer and valves
- Does not include gasket kits
- Resilient seat gate valves are clockwise close

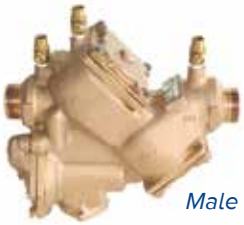


Size (mm)	Length (mm)	Valve Type	PART No.
80	912	Butterfly	**79709**
100	977	Butterfly	**79707**
150	1287	Butterfly	**79708**
80	1222	RSG	**79702**
100	1324	RSG	**79704**
150	1702	RSG	**79703**
200	1883	RSG	**79705**
250	2070	RSG	**79706**

Watts 909 RPZ Devices

- Specially designed for use in health hazard cross connections and high rise applications
- Exclusive air in/water out principle provides maximum protection against pollutants
- Modular design with easy access for fast servicing, compact design for ease of installation
- Suited for horizontal or vertical applications
- 20-50 mm valves are constructed from bronze body with Celcon® seats
- 65-250 mm valves are constructed from epoxy coated cast iron body, epoxy coated and lined checks and stainless steel internal parts
- Temperature range 5-60°C (20-50 mm) 5-43°C (65-250 mm)
- Maximum working pressure 1200 kPa
- Male style

Watts 909 Devices



Male

Size (mm)	Length (mm)	PART No.
20	185	**79684**
25	185	**79683**
32	265	**79682**
40	265	**79681**
50	265	**79680**

Watts 909 Kits

- Includes strainer and valves
- Does not include gasket kits
- Resilient seat gate valves are clockwise close
- Ball val



Ball Valves

Size (mm)	Length (mm)	PART No.
20	405	**79659**
25	450	**79660**
32	625	**79661**
40	670	**79662**

AIR VALVES

- Typically used in applications where air builds up in pipelines creating unwanted stresses and hammer
- Also used to allow rapid charging or draining of pipelines
- Normally positioned on an elevated section of pipeline
- Especially suited for use on filtration systems, transmission pipelines and sewerage lines

Automatic Air Valves

- Often used on irrigation systems
- Combines air release with vacuum relief, suited for instant and continuous operation
- Removable dirt cover
- Low density ball within large air chamber
- Flexible vinyl seat
- Seal tight at 34 kPa and maximum operating pressure 550 kPa
- Female BSP inlet



Size (mm)	PART No.
50	**79485**

Bermad Combination Air Valves

- High quality, compact, simple and reliable structure with fully corrosion-resistant parts
- Suited to a variety of applications
- Evacuates air during pipeline filling and allows efficient release of air pockets from pressurised pipes
- Enables large volume air intake when network draining
- Straight flow body with large diameter automatic orifice
- Aerodynamic full-body kinetic shield
- Dynamic sealing, prevents leakage under low pressure conditions (0.1 bar)
- Designed in compliance with EN-1074/4 standard and water service standards



Size (mm)	PART No.
25	**58814**
50	**54069**

Double Orifice Air Valves

Standard Double Orifice Air Valves

- Economic and durable
- Large kinetic function allows high pipeline filling/ draining rates
- Also removes accumulated entrained air from pressurised systems
- Heavy duty, vandal proof construction
- Low maintenance
- Fusion bonded epoxy coated ductile iron
- All internals are replaceable
- Not suited for sewerage applications
- Compliant with AS4956



Size (mm)	PART No.
50	**79487**
80	**79490**
100	**79489**
150	**79488**

Double Orifice Air Valves with Isolator

- Heavy duty, cast iron body and operating head
- Isolator allows valve to be isolated for faster, simpler service and maintenance
- Fusion bonded epoxy coated for long outdoor service life
- All parts readily available for servicing, please enquire
- Not suited for sewer applications



Size (mm)	Table	PART No.
50	D	**79493**
80	D	**79491**
80	F	**86664**
100	D	**79494**
100	F	**11708**
150	D	**79492**

FLOAT VALVES

Float Valves

- High quality brass or robust plastic construction
- Suited for all domestic and commercial plumbing applications
- Quick and easy to install
- Simple yet effective way to ensure constant water level is maintained
- Often used on hot and cold water storage tanks, industrial dishwashers and treatment plants

Plastic Float Valves

- Manufactured from engineering grade thermoplastic material
- Extremely compact body design, ensuring minimum installation
- DZR lever assemblies and pivot pins
- Easily serviced
- High pressure shut off 1400 kPa
- Australian made and manufactured
- Compliant with AS4020 for use on potable water lines



Size (mm)	Length (mm)	PART No.
20	355	**88168**
25	300	**88169**
32	300	**88170**

Brass Float Valves

- High quality, corrosion resistant DZR brass body, plunger, lever assembly, back nut collar and pivot pin
- Positive shut off for complete sealing
- Stainless steel seat for long service life
- BSP threaded inlet
- Maximum operating pressure 1400 kPa
- Compliant with AS4020 for potable water



Size (mm)	Length (mm)	PART No.
20	355	**85219**
25	355	**85220**
32	355	**88173**
40	355	**86881**
50	355	**59240**

Complete Float Valves

- High quality, DZR Brass valve body
- Plastic valves also available as complete units, please enquire



Size (mm)	Float Size (mm)	Float Type	PART No.
20	150	Plastic	**85222**
25	150	Plastic	**85223**
32	175	Plastic	**88257**
40	225	Plastic	**88258**
50	255	Copper	**88256**
100	300	Copper	**57693**

Floats

- Used in conjunction with float valves
- Ensure the correct float is used to obtain the optimum performance

Copper Float

- Spun copper for high performance
- Rubber gasket sealed



Size (mm)	Diameter (mm)	PART No.
250	255	**59104**

Bermad Float Control Valves

- Hydraulically controlled, diaphragm actuated double chambered control valve
- Typically used in reservoir filling, distribution routing and sewerage 'fill and flush' systems
- Hydraulically powered to open at pre-set reservoir low level and shut off at pre-set high level regardless of valve differential pressure
- Extremely low noise
- No-slam closing characteristic
- Full powered opening and closing with decreased pressure loss
- Balanced seal disc with protected diaphragm for high flow of low quality water
- Fusion bonded epoxy coated ductile iron body
- Temperature range 0-80°C
- PN16 valves listed, also available to suit PN35 installations
- Available in sizes up to 500 mm
- Full data sheets available upon request
- Many other varieties of valves to suit many flow regulation and control applications are available, please enquire



Size (mm)	Length (mm)	PART No.
50	210	**86401**
80	250	**56100**
100	320	**86392**
150	415	**86402**
200	500	**56101**
250	605	**56102**
300	725	**56103**

PRESSURE REDUCING/SUSTAINING VALVES & STRAINERS

- Limits downstream pressure to pre-set maximum
- Maintains constant maximum outlet pressures
- Typically used in commercial and industrial installations where downstream devices require protection from fluctuating supply pressure

Reliance Series EB25 Pressure Reducing Valves

- Numerical pressure indicator display
- Simple tool-free setting knob adjustment
- Easy to service, single-piece cartridge based design
- Provides a quieter installation by dissipating water flow noises via the incorporated patented 'Micro-Finger' cartridge
- Conveniently accessed integrated gauge port
- Delivers high flow rates with minimal head loss
- Adjustment range 110-550 kPa
- Maximum inlet pressure 2000 kPa
- Maximum operating temperature 80°C

Size (mm)	Length (mm)	PART No.
20	85	**85010**
25	100	**58839**
32	120	**58555**
40	145	**56104**
50	160	**56105**



Reliance Series EB45 Pressure Reducing Valves

- Designed for use at domestic boundary entry points
- Delivers high flow rates with minimal head loss, ideal for entire residential installations
- Robust design and construction for heavy flow conditions
- Easily serviced due to compact cartridge based design
- Inline version is adjustable, 90° version is locked at 500 kPa
- Maximum inlet pressure 2000 kPa
- Maximum operating temperature 80°C

58977





70003

Size (mm)	Length (mm)	Pressure (kPa)	Orientation	PART No.
20	94	150-600	Straight	**58977**
25	94	70-600	Straight	**85830**
20	69	500	90°	**70003**

Watts Series 115 Pressure Reducing Valves

- Automatically reduces higher inlet pressure to a constant outlet pressure
- Unaffected by changing flow rates or inlet pressures
- Precise alignment and stable throttling
- Synthetic rubber/nylon diaphragm creates variable volume chamber
- Drip-tight, dynamic quad seal
- Fused epoxy coated, cast iron construction for maximum service life
- Please specify required kPa setting at time of order

Size (mm)	Length (mm)	PART No.
80	300	**56110**
100	115	**86789**
150	508	**56111**
200	645	**56112**
250	756	**56113**



Wilkins Zurn Pressure Reducing Valves

- Designed for installation on potable water services
- Adjustable according to application (refer to table)
- Integral strainer allows valve to be used in residential and commercial installations that require frequent cleaning from debris and sediment
- Direct acting, integrated bypass design prevents excessive system pressure build up from thermal expansion
- Balanced piston design enables smooth and responsive regulator reaction to system flow demands
- Cast bronze body construction with UV resistant polymer composite bell housing
- Stainless steel internals with EPDM and Buna nitrile elastomers
- Factory pre-set at 350 kPa
- Maximum working temperature 82°C
- Watermark licence WMKA1965



Size (mm)	Length (mm)	Pressure Range (kPa)	Maximum Working Pressure (kPa)	PART No.
15	89	100-515	2100	**11709**
20	89	105-525	2800	**56114**
25	102	105-525	2800	**59784**
32	127	105-525	2800	**56115**
40	127	175-525	2100	**56116**
50	127	175-525	2100	**56117**

Wilkins Zurn 90° Pressure Reducing Valve

- Designed specifically for use at boundary entry points on domestic and residential potable water services
- Integral strainer allows valve to be used in residential and commercial installations that require frequent cleaning from debris and sediment
- Direct acting, integrated bypass design prevents excessive system pressure build up from thermal expansion
- Balanced piston design enables smooth and responsive regulator reaction to system flow demands
- Cast bronze body construction with UV resistant polymer composite bell housing
- Dual inlet option, supplied with cap
- Pressure range 172-517 kPa, pre-set at 500 kPa
- Maximum working pressure 2068 kPa, maximum working temperature 60°C



Size (mm)	Length (mm)	PART No.
20	148	**88284**

Wilkins Series 600 Inline Pressure Reducing Valves

- Reduces high inlet pressure to lower outlet pressure on potable water lines
- Suited to both residential and commercial water systems
- Integral strainer and bypass design
- Easily serviced and maintained
- Balanced piston design
- Maximum working pressure 2100 kPa
- Adjustable from 70-800 kPa, pre-set 350 kPa
- Maximum reduction 4:1
- Watermark WMKA1965



Size (mm)	Length (mm)	PART No.
20	135	**56118**
25	156	**56119**
32	181	**56120**
40	232	**56121**
50	260	**86729**

Cla-Val Series 690 Pressure Reducing Valves

- Typical applications include treatment stations, industrial complexes and factories
- Sensitive and accurate pressure control
- Easy adjustment and maintenance
- Fully supported frictionless diaphragm
- Fusion bonded epoxy coated cast iron construction
- Standard adjustment range 206-2068 kPa



Size (mm)	Length (mm)	PART No.
100	363	**59080**
150	466	**59081**

Bermad Series 720 Pressure Reducing Valves

- Hydraulically operated, diaphragm actuated control valve
- Reduces upstream pressure to constant downstream pressure
- Unaffected by fluctuating demand or varying upstream pressure
- Typically used in flow reduction, cavitation protection and burst protection applications
- Full bore, obstacle free, semi-straight flow eliminates turbulence
- Double chamber design for moderated valve reaction and diaphragm protection
- Cavitation damage resistant raised stainless steel seat
- Easy maintenance due to inline serviceability
- Fusion bonded epoxy coated ductile iron body
- Temperature range 0-80°C
- PN16 valves listed, also available to suit PN35 installations, please enquire
- Available in sizes up to 500 mm
- Full data sheets available upon request
- Many other varieties of valves to suit many flow regulation and control applications are available, please enquire



Size (mm)	Length (mm)	PART No.
50	210	**56099**
80	230	**56093**
100	320	**56094**
150	415	**56095**
200	500	**56096**
250	605	**56097**
300	725	**56098**

Caleffi Pressure Reducing Valves

- Safeguards water heaters and domestic systems
- Compact design with integrated gauge port
- Inbuilt strainer and replaceable cartridge
- Easily adjustable 100-600 kPa, factory pre-set at 500 kPa
- High flow rate compatible
- Install in any position
- Maximum inlet pressure 1600 kPa



Size (mm)	Length (mm)	PART No.
20	84.5	**58456**
25	95.0	**11633**

Reliance Commercial Pressure Reducing Valves

- High flow capacity, heavy duty, cast brass valve
- Ideal for use on large usage facilities such as factories and industrial complexes
- Balanced piston design for closer regulation and quiet performance
- Simple construction for greater reliability and easier servicing
- Adjustable from 350 to 750 kPa, factory set at 500 kPa
- Flange Table D



Size (mm)	Length (mm)	PART No.
50	181	**58105**
65	201	**56107**
80	210	**56108**
100	222	**56106**

Reliance Pressure Limiting Valve

- Prevents over pressure situations developing by limiting the outlet to a pre-set maximum
- Valve remains open until maximum is reached
- Typically used on high pressure water heaters, water meter assemblies and water softeners
- High pressure and temperature tolerances
- Stainless steel seat
- DZR brass construction, compliant with AS4020
- Compatible with both horizontal and vertical installations
- Maximum inlet pressure 2000 kPa
- Maximum operating temperature 80°C
- Factory set to 500 kPa, also available in 350 and 600 kPa options



Size (mm)	Length (mm)	Configuration	PART No.
20	70	M x M	**58106**

Bermad Series 730 Pressure Sustaining Valves

- Used to ensure controlled pipeline fill-up and in prioritising pressure zone applications
- Prevents pipeline emptying
- Pump overload and cavitation protection
- Essential in safeguarding minimum pump flows
- Protects against excessive line pressure
- Hydraulically operated, diaphragm actuated double function valve
- High relief flow capacity via balanced seal disc
- Double chamber design incorporating moderated valve reaction and protected diaphragm
- V-port throttling plug for low flow stability
- Semi straight non-turbulent flow
- Easy inline serviceability and maintenance
- Fusion bonded epoxy coated ductile iron body
- Temperature range 0-80°C
- PN16 valves listed, also available to suit PN35 installations
- Available in sizes up to 500 mm
- Full data sheets available upon request
- Many other varieties of valves to suit many flow regulation and control applications are available, please enquire



Size (mm)	Length (mm)	PART No.
50	210	**56123**
80	250	**56124**
100	320	**56125**
150	415	**56126**
200	500	**56127**
250	605	**56128**
300	725	**56129**

STRAINERS

Inline Strainers

Brass Inline Strainers



Size (mm)	Length (mm)	PART No.
20	80	**70942**
25	96	**79420**

Flange Inline Strainers

- Prevents large suspended particle and fibre contamination of water meters
- Filters up to 4 mm diameter particles
- Epoxy resin coated cast iron construction, single access cover
- Stainless steel filter plate

Size (mm)	Length (mm)	PART No.
32	120	71992
40	120	71962
50	210	59372
80	260	59402
100	320	59432
150	381	59462



Y-Strainers

Brass Y-Strainers

- DZR brass
- Easy access clean out point

Size (mm)	Length (mm)	PART No.
15	65	85329
20	80	79415
25	96	79414
32	104	14902
40	116	14842
50	140	14812
65	168	81160



Flange Y-Strainers

- Epoxy resin coated cast iron
- Compliant with AS4020 potable water



Size (mm)	Length (mm)	Table	PART No.
50	226	D	86708
65	273	D	58094
80	290	D	79416
100	350	D	79417
150	440	D	79418
200	543	D	18012
250	660	D	53765
100	350	E	57748

Foot Strainers

- Used to convert a vertical check valve into a foot valve
- Thread fully compliant with ISO228
- Nylon body and stainless steel 304 mesh

Size (mm)	Length (mm)	PART No.
20	57	80453
25	69	80447
32	75	80452
40	84	80446
50	99	80449
65	123	80451
80	138	80448
100	153	80450



VALVE BOXES AND SURROUNDS

PLASTIC VALVE BOXES

Path Boxes

Top Hat Path Boxes

- Designed for use in footpaths and driveways
- Vibrant coloured lids for easier location
- Inbuilt flange for use with pavers
- Keyhole cut out for easy lid removal
- Lid chained to box to prevent loss or vandalism

Size (mm)	PART No.
Blue	37252
White	37222

Dimensions (mm)	
Top Ø	184
Flange Ø	260
Height	125



Round Path Boxes

- Often used in grassed areas for control valves, path taps etc.
- Locking lid fits securely
- Non-slip lid pattern
- UV stabilised recycled plastic
- Replacement lids available, please enquire

Diameter (mm)	PART No.
150	15142
250	15172

Dimensions (mm)	150 (mm)	250 (mm)
Top	170	225
Base	205	335
Height	160	260





Universal Path Boxes

- UV stabilised, heavy duty plastic
- Will stand light trafficable loads i.e. driveways and footpaths
- Extra ribbing on sides to increase strength
- Locating strips beneath lid
- Lid chained to prevent loss
- Interchangeable replacement lids available, please enquire

Size	Type	Lid Colour	PART No.
Low	Gas	Yellow	**12293**
High	Gas	Yellow	**12263**
High	FH	Yellow	**37342**
High	SV	Blue	**37312**
High	SV	Red	**63212**
High	SV	White	**37282**

Dimensions	Low (mm)	High (mm)
Top Length	265	265
Top Width	230	230
Height	150	260



12293



12263



37342



37282

Plastic Toby Boxes

- High density, UV stabilised plastic
- Impact resistant
- Colour coded for application
- Ideal for easy path tap location and identification
- Sits atop 100 mm PVC sewer pipe



Type	Colour	PART No.
Gas	Yellow	**12233**
Water	Black	**15352**
Water	Blue	**15382**

Diameter (mm)	
Top Length	118
Top Width	128
Base Ø	115
Height	95

Valve Boxes

Rural Pit Valve Box

- Typically used to cover air valves
- High density, UV stabilised polyethylene
- Other lid styles available, please enquire
- Dimensions 435 mm diameter and 745 mm high



PART No.	**79482**

Reverse Taper Gas Valve Boxes

- UV resistant, high density polyethylene covers
- Robust yet lightweight, specially designed to withstand light vehicle loads
- Easy installation
- Bee-proof lid, complete with locating strips and securing chain
- Reverse taper sides increase area around meter and minimise movement
- Removable inlet/outlet ports



Type	PART No.
Low	79481
High	65992

Dimensions	Low (mm)	High (mm)
Top Length	390	390
Top Width	230	230
Base Length	445	445
Base Width	290	290
Height	180	230

Big Jumbo Valve Boxes

- UV stabilised, recycled plastic construction
- Dual bolt down ports
- Lifting lug for removing lid
- Non-slip lid
- Yellow lid, colour coded to suit gas valves etc.
- Lids and bases are available separately, please enquire

PART No.	80424



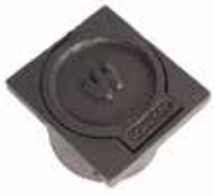
Dimensions (mm)	
Top Length	520
Top Width	320
Base Length	725
Base Width	490
Height	300

CAST IRON VALVE COVERS

Cast Iron Toby Boxes

- Used to protect/identify service valves and taps
- Ideal for driveways, car parks and footpaths
- Bituminous painted cast iron
- Marked 'G' or 'W'





Type	PART No.
Gas	79480
Water	69562

Dimensions (mm)	
Top Length	113
Top Width	112
Base Ø	105
Height	90

Standard Cast Iron Boxes

- General use path cover for service inlet valves
- Typically used when vandal checks are in service
- Heavy duty cast iron



Size (LxWxH)	PART No.
Square 150 x 150 x 100	81269
Square 300 x 300 x 100	11831
Rectangle 300 x 450 x 100	58847

RTA Sub Surface Flushing Point Cover

- Secure cover for sub-surface drain flushing points
- Typically used where sub-surface drains arenbeneath car parks, roadways and gardens
- Heavy duty, cast iron box in concrete surround
- Locked down to prevent vandalism
- 300 mm long x 300 mm wide x 100 mm high



PART No.	85155

Lamphole Cover

- Heavy duty cast iron
- Lid locks into position
- Often used in footpaths and driveways, particularly when extra space is required around the valve
- Also used to cover bolted trapscrews, inspection points or provide a finishing point in sewer covers
- Fits atop 225 mm PVC pipe
- 295 mm diameter x 100 mm high



PART No.	59592

Heavy Duty Cast Iron Covers

- Heavy duty Sydney Water pattern box for use in roadways
- 380 mm long x 260 mm wide x 200 mm high

Style	Type	PART No.
SV	Concrete	58621
SV	Asphalt	59242
H	Concrete	56791
H	Asphalt	56792



Cast Iron Insert Covers

- Used in driveways, paths and roads
- Suited for concreting around

Type	PART No.
SV	57969
H	57968



Cast Iron Hydrant Cover

- Heavy duty, black painted cast iron
- Used in QLD to protect hydrants
- 380 mm long x 260 mm wide x 200 mm high

PART No.	58238



Cast Iron Cover and Lid DAV

- Air valve cover
- Heavy duty for use in road ways

PART No.	54229



VIC Cast Iron Surrounds and Lids



Style	Shape	PART No.
FH	Round	11565
SV	Rectangle	11566

QLD Cast Iron Surrounds and Lids

- Also available in concrete please enquire



Style	Shape	Colour	PART No.
FH	Rectangle	Yellow	10440
FH	Rectangle	White	11198
FH	Rectangle	Grey	11540
SV	Rectangle	White	12474
SV	Rectangle	Grey	11940
SV	Rectangle	Blue	10296
V	Rectangle	Blue	10439

Plastic Surrounds

- Bright colouring for easy location and identification
- High quality, hard wearing, durable plastic surround
- Heavy duty cast iron lid
- Various support and riser options
- Coloured lids are powder coated for a more uniform product

Trafficable Plastic Valve Surrounds



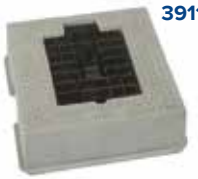
Type	Shape	Colour	Lid Colour	PART No.
SV	Round	Beige	Black	60062T
SV	Round	Black	Black	58506T
SV	Round	Blue	Black	44592T
SV	Round	Green	Black	85017T
SV	Round	Grey	Black	38992T
SV	Round	Red	Black	38962T
SV	Round	White	Black	12872T
SV	Round	White	White	59366T
SV	Round	Yellow	Black	39022T
SV	Square	Grey	Black	60092T
SV	Square	White	Black	76422T
SV	Round	Lilac	Black	44622

Trafficable Plastic Hydrant Surrounds

39082



39112



Type	Shape	Colour	Lid Colour	PART No.
AV	Square	White	Black	**81122T**
FH	Round	Grey	Black	**39052T**
FH	Round	Lilac	Black	**44652T**
FH	Round	White	White	**59832T**
FH	Round	Yellow	Yellow	**57719T**
FH	Round	Yellow	Black	**39082T**
FH	Square	Black	Black	**11839T**
FH	Square	Blue	Black	**11878T**
FH	Square	Grey	Black	**39112T**
FH	Square	Lilac	Black	**11837T**
FH	Square	White	Black	**39142T**
FH	Square	Yellow	Yellow	**59144T**
FH	Square	Yellow	Black	**11072T**

Plastic 2-Leg Surrounds

Style	Colour	PART No.
FH	Lilac	**14412**
FH	Yellow	**54177**
SV	Lilac	**14413**
SV	White	**54180**

Plastic 2-Leg Surround Lids

Style	Colour	PART No.
SV	White	**54181**
SV	Red	**16506**
SV	Lilac	**14416**
Plain	Black	**94414**
FH	Yellow	**54179**
FH	Lilac	**14414**



54177

ANCILLARY ITEMS

Base Plates



Cast Iron Base Plates

- Used with 225 mm PVC pipe to support internal shroud for hydrants and stop valve surrounds
- Creates internal shroud to prevent dirt or debris from collecting around hydrant or valve
- 400 mm long x 400 mm wide

PART No.	**10822**

Collars and Risers

Cast Iron Shroud Collar

- Used with standard 400 mm base plates
- Quickly extends shroud pipes
- Used with 225 mm PVC pipes
- 250 mm diameter x 60 mm high



PART No.	**58866**

Plastic Surround Risers

- Designed to support plastic surrounds whilst providing an underground chamber around the valve or hydrant
- Tapered for additional strength and rigidity
- La



54448



13889



Type	Top Width (mm)	Height (mm)	PART No.
Standard	340	310	**54448**
Trafficable	425	310	**13889**



SECTION 7

DI FITTINGS, PIPE & HOSE

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Tapping 294

CONSUMABLES

Abrasive Cloth

- Used on ferrous and non-ferrous metals, ceramics, plastic, fibreglass etc
- Open nylon mesh
- Made of silicon carbide
- Waterproof
- Sharper, faster cleaning of most surfaces
- 40 mm wide x 5 m long, supplied in dispenser box



PART No.	10012

SILICONE AND SEALANTS

Ultra Grime Wipes

- Ideal for almost all plumbers
- Designed to clean hands, tools and surfaces
- Will clean up wet and semi-cured paints, sealant, adhesive, bitumen, expanding foam, oil, grease and even silicone
- Powerful antibacterial additive
- Resistant to MRSA, salmonella, listeria and E. coli



Pack Quantity	PART No.
100	85645

Isopropyl Wipes

- General purpose disinfectant wipes
- Ideal for use on poly pipes prior to welding
- 70% isopropyl alcohol impregnated
- Wipe size 420 mm long x 143 mm wide
- 75 wipe, dispenser pack



PART No.	59056

THREAD SEALANT PRODUCTS

Thread Tape

- Larger sizes available, please enquire



Type	Size (mm x m)	PART No.
White	12 x 10	47952
Pink	12 x 10	47982
Pink	12 x 30	47955
Yellow	12 x 10	48012
Yellow	12 x 30	59310

Loctite® 55 Sealant Cord

- Fast and versatile
- Suited for use on all gas and potable water systems
- Instant sealing
- Allows back off for fitting alignment
- Seals threads up to 100 mm Ø
- Temperature range -54°C to +150°C
- Plumbing safety licence AS/NZS4020-2002, certification no. 8638 (potable water)
- AGA approval 6007
- 50 m pack



PART No.	34135

Facot® Hemp

- Mechanically combed flax fibre
- Ready to use skein
- Ideal for sealing threaded plumbing fittings on hot, cold and drinking water applications
- Can also be used on steam lines
- 454g x 26m



PART No.	57343

Stag Joint Sealant Paste

- Semiliquid jointing paste, often used with galvanised fittings and pipe
- Oil, water and petrol proof
- High or low pressure
- Can be used with hemp
- Temperature range 0 to 60°C
- AGA approval 4068
- 200 g tube



PART No. 81163

LOXEAL ® Gas and Water Sealant 58.11

- Anaerobic thread sealant for metal threads and joints
- Less than 3 hour cure time
- Seals against gas, water, LPG, hydrocarbons and oils
- High viscosity for easier application
- Temperature range -50°C to +150°C
- Pressures up to 2,600 kPa
- AGA approval 5048
- 100 mL



PART No. 86503

Loctite® 577 Sealant

- Recommended for all coarse metal threads
- Suited for applications at low temperatures
- Extremely fast cure
- Temperature range -54°C to +150°C
- 50 g tube, yellow paste
- Plumbing safety licence AS/NZS 4020-2002, certification no. 20079 (potable water)
- AGA approval 4787 to 2,600 kPa



PART No. 81121

Loctite 567 Sealant

- Recommended for all coarse metal threads where slow cure is required to prolong time-frame for adjusting valves and fittings
- Approvals AGA Certificate 3207 to 1,050 kPa (Gas)
- 50 mL



PART No. 10422

Facot® Gas Sealant

- Anaerobic single component sealant
- Constant mechanic unscrewing resistance
- Ideal for sealing threaded parts and smooth couplings
- Resistant to thermal endurance, vibration and mechanical stresses
- Suited for use with LPG, water, oils, hydrocarbons, methane and gas
- Temperature range -50°C to +150°C
- 100 g tube



PART No. 23911

Ultra Seal™ Paste

- All purpose thread sealing compound, suited for use on PVC, ABS, nylon, poly, brass, stainless steel and galvanised fittings
- Contains Teflon® for easier assembly/disassembly
- White, brushable, grit-free smooth paste
- Non-toxic, non-hardening and non-seizing
- Will not transfer taste or odour
- Non-corrosive
- Contains anti-galling compound
- No cure time, immediate pressurisation possible following application
- Temperature range -45°C to +204°C
- Pressures up to 20,670 kPa for gas and 68,900 kPa for liquids
- 236 mL tin with brush



PART No. 76592

La-Co® Slic-Tite Thread Sealant

- PTFE thread sealant paste
- Seals water, steam, LPG, natural gas and air
- Use on metal, PVC and ABS threads
- Easily washed off hands or clothes
- For use up to 20,000 kPa on gas and 68,000 kPa on water
- 236 mL tin



PART No. 86029

GLUES AND PRIMERS

Loctite® 406 Adhesive



- General purpose adhesive
- Excellent for difficult to bond surfaces
- Clear high strength liquid
- Non-porous, instant fixture
- 100 mL applicator bottle

PART No.	81488

PIPE CEMENT

Non-Pressure PVC Solvent Cement

- Highly visible blue, even when dry
- Suited for all non-pressure applications i.e. DWV, stormwater etc.

Size (L)	PART No.
0.25	72372
0.50	80458
1	80457
4	80459



Pressure PVC Solvent Cement

- Easily identifiable green
- Suited for all pressurised PVC systems

Size (L)	PART No.
0.25	73632
0.50	80461
1	80460
4	80462



Nylink Solvent Cement

- Highly efficient and fast curing
- The only recommended cement for use with Georg Fischer® nylon pipe systems
- Gloves must be worn when using this product
- 500 g tin

PART No.	85187



PIPE AND FITTING PRIMERS

Clear Priming Fluid

- Typically used on pressure PVC systems
- Clear liquid leaves no visible traces or staining

Size (L)	PART No.
0.50	54780
4	54788



Red Priming Fluid

- Used on all DWV, stormwater and other pressurised systems
- Red liquid leaves a visible stain for easy joint preparation identification

Size (L)	PART No.
0.25	73402
0.50	80464
1	80465
4	80463
20	80466



Tangit Pipe Glue

- Solvent cement for PVC-U
- 1 L tin

PART No.	58868



Tangit Pipe Cleaner

- Cleaner for PVC-U/PVC-C/ABS
- 1 L tin

PART No.	57542



LUBRICANTS AND PROTECTION PRODUCTS

Pipe Lubrication

- Bactericidal pipe lubricant
- Used on all PVC and cast iron rubber ring joint pipes and fittings

Size (L)	PART No.
0.50	80478
1	80479
4	85104



Nickel Anti-Seize Lubricant

- Perfect for use in mining, plumbing, HVAC, utilities and general industry applications
- Prevents corrosion, rust, pitting, galling, fusion and breakage of threaded components even in high temperatures
- Nickel coloured grease paint
- Contains nickel flake and PTFE
- Lubricates threads at up to 1,300°C
- Inert fillers resistant to corrosive chemicals
- 450 g tin, other sizes available, please enquire



PART No.	59397

PETROLATUM PIPE PROTECTION

Petrolatum Tape

- Synthetic, non-stitch, fabric based tape
- Impregnated and coated with petrolatum based compound
- Ideal for protecting pipelines, joints, fittings etc.
- Often used to waterproof seal metal surfaces above and below ground
- Prevents corrosion even under water

Width (mm)	Length (m)	PART No.
50	10	86861
100	10	59232
150	10	57758



Petrolatum Outer Wrap

- Fourth step in the petrolatum process
- Stabilised, plasticised, black over wrap
- Rubber based, pressure sensitive adhesive
- Waterproof
- Resistant to sunlight, salt water, alkalis, acids, oils and bacteria
- Provides mechanical protection of electrical resistance for inner wraps

Width (mm)	Length (m)	PART No.
100	30	59233
150	30	57760



OTHER PIPE JOINING PRODUCTS

Deks® 2-Part Epoxy Kit

- Ideal for filling and sealing plumbing systems
- Specifically suited for joining cast iron pipes and fittings
- Cured systems is resilient to a range of corrosive chemicals
- Exhibits a putty like consistency to allow bonding and filling of large voids
- 1 L (2 x 500 mL tins)



PART No.	55002

Lead Strips

- Used for joining large older pipelines
- Often used in conjunction with caulking tongs
- Other sizes available, please enquire
- 450 mm long x 25 mm wide x 12 mm thick



PART No.	86444

Lead Wool

- Melted down and used to caulk pipeline joints
- Easy to handle, easy to use
- Order per kg



PART No.	59444

Duct Tape

- Grey
- 48 mm x 30 m



PART No.	81553

FITTINGS AND COMPONENTS

COPPER FITTINGS

No. 1 Connectors





Size (mm)	PART No.
15 x 15	59493
20 x 15	57633
20 x 20	48042
25 x 20	57654
25 x 25	76092
32 x 20	56181
32 x 25	56180
32 x 32	81123
40 x 20	56179
40 x 25	85500
40 x 32	86398
40 x 40	81124
50 x 20	56178
50 x 25	56177
50 x 32	85550
50 x 40	59454
50 x 50	81125
65 x 32	56176
65 x 40	56175
65 x 50	56174
65 x 65	86113
80 x 50	56173
80 x 65	56172
80 x 80	86114
100 x 65	86776
100 x 80	86505
100 x 50	56171
100 x 100	86115
150 x 100	56170

No. 6 Plain End Connector



Size (mm)	PART No.
20 x 15	88818

No. 12 Elbows



45°



90°



Reducing

Size (mm)	PART No.	
	45°	90°
15	14899	81129
20 x 15	-	57634
20	53675	48132
25	86105	48252
32	86106	67732
40	86104	67762
50	86107	67792
65	86108	81251
80	86109	57919
100	86110	57345
150	14900	85985

No. 24 Tees



Size (mm)	PART No.
15	74232
20	74202
25	74262
32	81126
40	81127
50	81128
65	86111
80	86112
100	58807
150	88861

No. 25 Reducing Tees



Size (mm)	PART No.
20 x 15	40341
25 x 15	56166
25 x 20	41554
32 x 20	56165
32 x 25	56164
40 x 25	56163
40 x 32	56162

Cop-A-Mates

- ANSI and DIN16 Cop-A-Mates available upon request

Size (mm)	PART No.
50	68632
65	53759
80	68662
100	68692
150	68722
200	12468
250	11238



SCREWED AND CAPILLARY BRASSWARE



Adaptors

Size (mm)	PART No.
15 x 15	88842
20 x 15	76152
20 x 20	80280
25 x 10	59373
25 x 15	89536
25 x 20	80289
25 x 25	80282
32 x 20	80287
32 x 25	80291
32 x 32	80281
40 x 25	48582
40 x 32	77172
40 x 40	80279
50 x 50	80283
50 x 25	80294
50 x 32	80290
50 x 40	80293
65 x 50	80285
80 x 50	80292
80 x 65	80288



Bushes

Size (mm)	PART No.
20 x 15	48552
25 x 15	81044
25 x 20	48402
32 x 20	68272
32 x 25	68242
40 x 20	68212
40 x 25	68182
40 x 32	68152
50 x 20	68122
50 x 25	68092
50 x 32	68062
50 x 40	68032
65 x 50	74952
80 x 50	68512
80 x 65	76572
100 x 50	77232
100 x 65	80307
100 x 80	68482

Nipples



Size (mm)	PART No.		
	Brass	Reducing	Butt
10	57777	-	-
10 x 6	-	57829	-
15	76122	-	-
15 x 6	-	57341	-
15 x 10	-	59371	-
20	48312	-	80303
20 x 15	-	49032	-
20 x 25	-	48372	-
25	48342	-	80306
25 x 15	-	54310	-
32	67582	-	80304
32 x 20	-	32941	-
32 x 25	-	80300	-
40	67612	-	80302
40 x 25	-	68002	-
40 x 32	-	67972	-
50	67642	-	80305
50 x 25	-	55370	-
50 x 32	-	67942	-
50 x 40	-	67912	-
65	67672	-	-
65 x 50	-	74982	-
80	67702	-	-
80 x 50	-	80298	-
80 x 65	-	80295	-
100	69532	-	-
100 x 50	-	80301	-
100 x 65	-	80297	-
100 x 80	-	80299	-

All Threads

Size (mm)	PART No.
15 x 75	88726
15 x 150	88727
15 x 300	88728
20 x 75	88729
20 x 150	88730
20 x 300	57699
25 x 150	58680
25 x 300	58889
32 x 150	88731
32 x 300	88732
40 x 150	88733
40 x 300	88734
50 x 150	81279
50 x 300	88735



Sockets

Size (mm)	PART No.
15 x 15	88830
20 x 15	88831
20 x 20	74802
25 x 20	80317
25 x 25	74832
32 x 32	74862
40 x 40	74892
50 x 50	74922
65 x 65	80310
80 x 80	80308
100 x 100	80309





90° Elbows

Size (mm)	PART No.	
	F x F	M x F
10	59370	-
15	58885	88828
20	80332	80327
25	80334	80329
32	80330	80325
40	80333	80328
50	80331	80326
65	85004	-
80	88827	-

F x F



M x F



Brass Caps, Plugs and Tees



Size (mm)	PART No.		
	Cap	Plug	Tee
6	-	-	54595
10	-	-	81479
15	86858	88829	57383
20	81461	78142	80354
25	81186	80269	80352
32	57395	80272	80351
40	88856	80270	80353
50	59514	80265	80350
65	88857	80271	88815
80	88858	80266	88816
100	88859	80268	-

Tank Connectors

- Internal and external BSP thread for ease of connection (up to 50 mm)
- Left hand threaded back nut for ease of installation

Size (mm)	PART No.
20 x 15	89521
25 x 20	89522
40 x 32	89523
50 x 40	86580
80	85267
100	58284



Corrugated Tank Connector Gasket

- Suits 32-50 mm connectors

PART No.	86581



Connectors

Size (mm)	PART No.	
	No.2	No.3
15	59494	59495
20	48072	48102
25	48192	48222
32	68452	68362
40	68422	68332
50	68392	68302


No.2


No.3

No. 3 Reducing Connectors

Size (mm)	PART No.
20 x 15	80398
25 x 20	76272
32 x 25	80396
40 x 32	80399
50 x 40	80397



No. 4 Tube Bushes


Female


Male

Size (mm)	PART No.	
	Female	Male
15	-	88817
20	55052	80385
25	80395	80381
32	80392	80386
40	80388	80383
50	80394	80380
65	80391	80387
80	80389	80382
100	80393	80384
100 Cu x 65 BSP	58806	-

No. 6 Slip Bushes

Size (mm)	PART No.
20 x 15	56169
25 x 20	57567



Brass Elbows


No.12


No.13


No.14

Size (mm)	PART No.		
	No.12	No.13	No.14
15	-	88819	88820
20	89501	48162	71812
20 x 15	-	88821	14898
25	89502	48282	71842
25 x 20	-	58191	59010
32	-	67822	71872
40	89504	67852	71902
50	81274	67882	71932

Back Plated Elbows


No.15


No.19

Size (mm)	PART No.	
	No.15	No.19
15	80378	80376
20	80379	80377

No. 64 Bent Union Connector

Size (mm)	PART No.
20	57715



Stop Ends

Size (mm)	PART No.
15	88860
20	58198
25	58457



Unions



Size (mm)	PART No.				
	F x F	M x F	No.11	No.69F	No.69M
15	88832	88833	-	88834	88835
20	80370	80362	80357	80337	80347
25	80375	80366	80359	80340	80344
32	80373	80364	80355	80338	80349
40	80368	80360	80358	80342	80346
50	80371	80363	80356	80335	80343
65	80374	80367	-	80341	80348
80	80369	80361	-	80339	80345

BRASS FLANGES

Oval Screwed Flanges

Size (mm)	PART No.
32	57390
40	57391
50	58757



Screwed Flanges

Size (mm)	Table	PART No.
25	D	12188
40	D	16072
50	D	75282
65	D	80255
80	D	75312
100	D	75342
100	E	76392



OLIVE COMPRESSION FITTINGS

Nylon Olive Unions

Size (mm)	PART No.		
	Standard	Female	Male
15 x 15	59297	88715	89416
15 x 20	-	89411	89417
20 x 15	89409	88716	89419
20 x 20	72172	59847	89418
25 x 25	89410	89412	86373



Nylon Olive Elbows



Size (mm)	PART No.		
	Standard	Female	Male
15 x 15	89387	89389	89392
15 x 20	-	89390	89393
20 x 15	89388	89391	89394
20 x 20	57862	88198	89395
25 x 25	59329	86371	86372

Nylon Olive Tees

Size (mm)	PART No.
15	89406
20	58886
20 x 15	89407
25	89408



Nylon Olives and Nut Sets

Size (mm)	PART No.	
	Olive	With Nut
15	89398	80273
20	58206	80274
25	89399	11536



Copper Olive Unions



Size (mm)	PART No.	
	Union	Male
15 x 15	88717	88723
15 x 20	-	89413
20 x 20	85976	85306
20 x 15	88718	89414
25 x 25	81273	59299
25 x 20	88719	89415
32 x 32	88720	59300
40 x 40	82338	88724
50 x 50	88722	88725

Copper Olive Elbows



Size (mm)	PART No.	
	Elbow	Male
15 x 15	89381	89383
15 x 20	-	89384
20 x 20	86004	58466
20 x 15	89382	89385
25 x 25	86005	89386

Copper Olives, Nut and Copper Olive Sets, Kinco Rubbers and Rings



Size (mm)	PART No.			
	Copper Olive	Copper Olive with Nut	Kinco Ring	Kinco Rubber
15	88836	89396	89402	89400
20	88837	89397	89403	89401
25	88838	80275	59349	59350
32	88839	80276	-	-
40	88840	80277	-	-
50	88841	80278	-	-

Copper Olive Tees



Size (mm)	PART No.
15	89404
20	86007
20 x 15	89405
25	86006

COMPRESSION FLARED FITTINGS

Unions



Size (mm)	Thread (mm)	PART No.		
		Male	Female	Standard
15	15	57384	88848	88853
15	20	89534	-	-
20	20	81557	58100	58554
20	15	89535	-	-
20	25	59171	-	-
25	25	88844	88849	89533
25	20	59011	-	-
32	32	88845	-	-
40	40	88846	-	-
50	50	88847	-	-

Elbows



Size (mm)	PART No.		
	Strandard	Female	Male
15 x 15	89524	88852	88850
20 x 15	89525	-	-
20 x 20	89526	59844	58687
25 x 25	56151	89527	88851
32 x 32	-	-	59834

Tees



Size (mm)	PART No.	
	Standard	Female
15 x 15	56149	89530
20 x 15	89528	89531
20 x 20	89529	89532
25 x 25	56150	56152

COPPER PRESS FITTINGS

- Please note that all brands are available on enquiry.

Adaptors

Size (mm)	Thread (mm)	PART No.					
		Female			Male		
		Viega	Pressfit	Kempress	Viega	Pressfit	Kempress
15	15	89429	14617	10844	89434	14616	10851
18	15	89430	-	-	89435	-	-
20	20	85453	14207	10846	85661	14803	10853
25	25	59659	14208	10847	59660	14090	10854
32	32	89431	14344	10848	89436	14347	10855
40	40	89432	14345	10849	89437	14348	10856
50	50	89433	14346	10850	89438	14349	10857





Male x Female Reducers

Size (mm)	PART No.		
	Viega	Pressfit	Kempress
20 x 15	89499	15610	10939
25 x 15	99499	15611	-
25 x 20	89500	15612	10940
32 x 20	99500	15613	-
32 x 25	99501	15615	-
40 x 20	99502	-	-
40 x 25	99503	15616	-
40 x 32	99504	15617	-
50 x 25	99505	15614	-
50 x 32	99506	15618	-
50 x 40	99507	15619	-
65 x 40	99508	15620	-
65 x 50	99509	15621	-
80 x 50	99510	15622	-
80 x 65	95511	15623	-
100 x 50	95512	15624	-
100 x65	95513	15625	-
100 x80	95514	15626	-



Couplings





Size (mm)	PART No.								
	Standard			Reducing			Slip		
	Viega	Pressfit	Kempress	Viega	Pressfit	Kempress	Viega	Pressfit	Kempress
15 x 15	89441	14179	10867	-	-	-	89457	15627	10888
18 x 15	-	-	-	99445	-	-	-	-	-
18 x 18	99441	-	-	-	-	-	35663	-	-
20 x 20	85758	14064	10868	-	-	-	85663	19469	10889
20 x 15	-	-	-	89445	14312	10875	-	-	-
20 x 18	-	-	-	99446	-	-	-		
25 x 15	-	-	-	89446	15593	12891	-	-	-
25 x 20	-	-	-	89447	14250	10877	-	-	-
25 x 25	59656	14178	10869		-	-	85662	14636	10890
32 x 15	-	-	-	99447			-		
32 x 20	-	-	-	89448	-	-	-	-	-
32 x 25	-	-	-	89449	14659	12890	-	-	-
32 x 32	89442	14177	10870	-	-	-	89458	15394	10891
40 x 20	-	-	-	89450	-	-	-	-	-
40 x 25	-	-	-	89451	15595	-	-	-	-
40 x 32	-	-	-	89452	15596	12889	-	-	-
40 x 40	89443	14176	10871	-	-	-	89459	15628	10893
50 x 20	-	-	-	89453	-	-	-	-	-
50 x 25	-	-	-	89454	15597	-	-	-	-
50 x 32	-	-	-	89455	15598	-	-	-	-
50 x 40	-	-	-	89456	15599	12888	-	-	-
50 x 50	89444	14175	10873	-	-	-	89460	14585	10894
65 x 32	-	-	-	99456	15600	-	-	-	-
65 x 40	-	-	-	99457	15601	-	-	-	-
65 x 50	-	-	-	54327	15602	10887	-	-	-
65 x 65	54333	15590	10874	-	-	-	11344	15629	11340
80 x 80	11592	15591	-	-	-	-	11341	15630	-
80 x 40	-	-	-	99458	15603	-	-	-	-
80 x 50	-	-	-	99459	15604	-	-	-	-
80 x 65	-	-	-	99460	15606	-	-	-	-
100 x100	11593	15592	-	-	-	-	11343	15631	-
100 x 50	-	-	-	99461	15607	-	-	-	-
100 x 65	-	-	-	99462	15608	-	-	-	-
100 x 80	-	-	-	99463	15609	-	-	-	-

Elbows






Size (mm)	PART No.					
	Female					
	45°			90°		
	Viega	Pressfit	Kempress	Viega	Pressfit	Kempress
15	94034	15680	-	89461	14618	10904
18	-	-	-	99961	-	-
20	64034	15682	10897	85452	14307	10905
25	54034	15679	-	59657	14249	10906
32	10101	15681	10898	89462	14350	10907
40	10102	15407	10899	89463	14351	10908
50	10103	15683	10900	89464	14352	10909
65	54328	15685	10901	54326	15635	10910
80	10104	15686	-	10106	15636	-
100	10100	15687	-	10105	15637	-

Size (mm)	PART No.					
	Male x Female					
	45°			90°		
	Viega	Pressfit	Kempress	Viega	Pressfit	Kempress
15	99908	15688	-	89465	15638	10920
18	-	-	-	99465	-	-
20	99909	15689	-	89466	14084	10921
25	10108	15690	-	59658	14251	10923
32	54160	15691	-	89467	14667	10924
40	54161	15692	-	89468	15639	10925
50	54162	15693	-	89469	15640	10926
65	10109	15694	-	10115	15641	10927
80	10110	15695	-	10116	15642	-
100	10107	15696	-	10111	15643	-

Size (mm)	PART No.					
	No.13			No.15		
	Viega	Pressfit	Kempress	Viega	Pressfit	Kempress
15	94808	15706	-	56322	15706	10931
20	54808	14308	91669	89470	14051	10933

Female Tees

Size (mm)	Thread Branch (mm)	PART No.
25	20	89488
32	20	89489
40	15	56788
50	20	89490



Caps and Unions





Size (mm)	PART No.								
	Cap			Female Union			Male Union		
	Viega	Pressfit	Kempress	Viega	Pressfit	Kempress	Viega	Pressfit	Kempress
15	89491	14658	10860	89497	15644	10965	97790	15646	-
20	89492	15363	10861	89498	15645	10966	97791	15647	-
25	89493	15364	10863	-	-	-	97792	15648	-
32	89494	15700	10864	-	-	-	97793	15649	-
40	89495	15701	10865	-	-	-	67790	15650	-
50	89496	15702	10866	-	-	-	99794	15651	-

Tees

Size (mm)			PART No.		
End	End	Centre	Viega	Pressfit	Kempress
15	15	15	89471	15652	10941
20	20	20	85454	14310	10942
20	15	15	89473	15660	-
20	15	20	89475	14311	10944
20	20	15	89474	15661	-
25	25	25	85134	14313	10946
25	25	15	89477	15662	10947
25	25	20	89478	15663	10948
32	32	32	85135	15653	10949
32	32	20	56153	15666	-
32	32	25	89480	15667	10951
40	40	40	85136	15655	10953
40	40	25	89482	15669	-
40	40	32	89483	15670	10955
50	50	50	89484	15656	10956
50	50	20	89485	-	-
50	50	25	89486	15671	-
50	50	32	89487	-	-
50	50	40	56154	15672	-
65	65	65	99474	15657	-
80	80	80	99475	15658	-
100	100	100	16916	15659	-



GAS COPPER PRESS FITTINGS

Adaptors



Size (mm)	Thread (mm)	PART No.	
		Female	Male
15	15	65635	65636
20	20	99418	10696
20	15	-	99419
25	25	65643	65696
25	20	-	99420
32	32	-	65637
40	40	-	99421
50	50	-	11218

Male x Female Reducers



Size (mm)	PART No.
20 x 15	99400
25 x 15	99401
25 x 20	99402
32 x 20	99403
32 x 25	99404
40 x 20	99407
40 x 25	99408
40 x 32	99409
50 x 25	99410
50 x 32	99411
50 x 40	99412
65 x 40	99413
65 x 50	99414
80 x 50	99415
80 x 65	99416

Elbows



Size (mm)	PART No.			
	Female		Male x Female	
	45°	90°	45°	90°
15	-	12553	-	99422
20	-	10698	-	99423
25	35885	65641	65683	99424
32	65686	65684	99430	99425
40	65687	65642	99431	65695
50	65688	11217	99432	99426
65	65689	65692	99434	99427
80	65690	65693	99600	99428
100	65685	65691	99601	99429



Size (mm)	PART No.	
	No.13	No.15
15	-	99645
20	99650	99647

Female Tees

Size (mm)	Thread Branch (mm)	PART No.
65	20	99627
65	50	99628
80	20	99629
80	50	99630
100	20	99631
100	50	99632



Couplings



Size (mm)	PART No.		
	Standard	Reducing	Slip
15 x 15	65648	-	65676
20 x 20	65640	-	10697
20 x 15	-	65652	-
25 x 15	-	65653	-
25 x 20	-	65654	-
25 x 25	65647	-	10699
32 x 15	-	99417	-
32 x 20	-	65655	-
32 x 25	-	65656	-
32 x 32	65644	-	65638
40 x 20	-	65658	-
40 x 25	-	65659	-
40 x 32	-	65660	-
40 x 40	65645	-	65639
50 x 20	-	65661	-
50 x 25	-	65663	-
50 x 32	-	65665	-
50 x 40	-	65667	-
50 x 50	65646	-	95639
65 x 32	-	65668	-
65 x 40	-	65669	-
65 x 50	-	65670	-
65 x 65	65680	-	65677
80 x 40	-	65671	-
80 x 50	-	65672	-
80 x 65	-	65673	-
80 x 80	65681	-	65678
100 x 50	-	65649	-
100 x 65	-	65650	-
100 x 80	-	65651	-
100 x100	65679	-	-

Caps and Unions



Size (mm)	PART No.		
	Cap	Female Union	Male Union
15	99633	99655	-
20	99634	99657	-
25	99635	-	99651
32	99636	-	99652
40	99637	-	99653
50	99638	-	99654

Tees



Size (mm)			PART No.
End	End	Centre	
20	15	15	99605
20	15	20	99607
20	20	15	99606
25	25	15	99608
32	32	15	99609
32	32	20	99610
32	32	25	99611
40	40	25	99612
40	40	32	99613
50	50	20	99614
50	50	25	99615
50	50	32	99616
50	50	40	99617
65	65	65	99618
65	65	50	99621
80	80	80	99619
80	80	50	99622
80	80	65	99623
100	100	100	99620
100	100	50	99624
100	100	65	99624
100	100	80	99626

GALVANISED FITTINGS

Galvanised Malleable Iron Fittings



Size (mm)	PART No.				
	Bush	Nipple	Reducing Nipple	Socket	Reducing Socket
15	-	88644	-	86479	-
20	-	80193	-	80123	-
20 x 15	88658	-	88645	-	86042
25	-	80197	-	80120	-
25 x 6	86748	-	-	-	-
25 x 15	89376	-	11527	-	-
25 x 20	80127	-	80154	-	80166
32	-	80200	-	80125	-
32 x 20	80138	-	80159	-	80175
32 x 25	80132	-	80151	-	80171
40	-	80195	-	80121	-
40 x 20	80136	-	80157	-	80169
40 x 25	80130	-	80153	-	80174
40 x 32	80140	-	80161	-	80164
50	-	80198	-	80124	-
50 x 20	80133	-	80163	-	80177
50 x 25	80137	-	80150	-	80168
50 x 32	80128	-	80160	-	80173
50 x 40	80135	-	80156	-	80165
65	-	80194	-	80118	-
65 x 20	88659	-	-	-	-
65 x 25	88660	-	-	-	88652
65 x 32	88661	-	-	-	88651
65 x 40	88662	-	88648	-	88650
65 x 50	80141	-	80158	-	80170
80	-	80199	-	80122	-
80 x 25	88663	-	-	-	88656
80 x 32	88664	-	-	-	88655
80 x 40	88665	-	-	-	88654
80 x 50	80131	-	80162	-	88653
80 x 65	56147	-	88647	-	80176
100	-	80192	-	80126	-
100 x 40	88667	-	-	-	-
100 x 50	80134	-	80152	-	80167
100 x 65	80139	-	88646	-	88657
100 x 80	80129	-	80155	-	80172
150	-	80196	-	80119	-
150 x 65	88668	-	-	-	-
150 x 80	88669	-	-	-	-
150 x 100	57940	-	-	-	-

Bends and Elbows



Size (mm)	PART No.			
	90° BENDS		90° ELBOWS	
	FEMALE	MALE x FEMALE	FEMALE	MALE x FEMALE
15	88670	88671	88631	-
20	80083	80095	80187	80181
25	80085	80098	80189	80179
32	-	80100	80190	80182
40	80087	80096	80191	80178
50	80086	80099	80188	80180
65	-	80093	89377	89378
80	80084	80097	81258	86020
100	80082	80094	88632	89379
150	89375	80101	88633	89380

Galvanised Malleable Iron Fittings



Size (mm)	PART No.				
	Tee	Cross	Union F-F	Plug	Cap
15	88619	88623	-	88642	86379
20	80115	58385	80105	80147	67282
25	80111	88624	80103	80143	67312
32	80117	88625	80108	80145	67342
40	80114	88626	80106	80149	67372
50	80116	88627	80109	80148	67402
65	80112	88628	80104	80142	67432
80	80110	88629	80107	80146	67462
100	80113	88630	80102	80144	88621
150	88620	-	-	88643	-

Pipe Pieces

- Nominal sizes from 20-100 mm, also available up to 200 mm Ø
- Lengths from 100-900 mm listed, other sizes made to order
- Cadia stocks a huge range of pipe pieces, please call with your requirements

Size (mm)	PART No.				
	150	300	450	600	900
15	88672	88673	88674	88675	88676
20	86439	58006	88679	86440	86441
25	88683	58007	85008	88684	88685
32	88687	88688	88689	88690	88691
40	88692	88693	88694	88695	88696
50	88697	86717	85751	59917	88700
65	88701	86718	88703	88704	14825
80	88705	86719	88707	88708	88709
100	88710	88711	14824	88712	88714



Table D Flanges



Size (mm)	PART No.	
	Drilled	Undrilled
25	16759	88634
32	-	88635
40	-	88636
50	80184	59490
65	88641	88637
80	80186	88638
100	80185	88639
150	80183	88640

Reducers

Size (mm)	PART No.
65 x 50	88760
80 x 50	88761
80 x 65	88762
100 x 50	88763
100 x 65	88764
100 x 80	88765
150 x 80	88766
150 x 100	86449
200 x 100	55493
200 x 150	55494



ROLL GROOVE FITTINGS

Adaptors





Size (mm)	PART No.	
	CU-Roll Groove	Male Threaded
32	-	55499
40	-	55500
50	55495	55501
65	55496	55502
80	55497	55503
100	59620	55504
150	59677	55505
200	55498	-

Elbows



Size (mm)	PART No.			
	11°	22°	45°	90°
32	-	-		88742
40	-	-	98743	88743
50	-	-	88747	88744
65	-	-	88748	88745
80	55490	-	88749	57768
100	86920	86723	86722	85409
150	55484	86498	86863	86450
200	55491	55492	88752	88746

Reducing Elbows

- Also referred to as end run tees

85440   86746

Size (mm)	Outlet (mm)	Offtake	PART No.
100	80	-	85440
100	80	25 BSP	86746

Tees

Size (mm)	PART No.
32	88753
40	88754
50	88755
65	88756
80	88757
100	85408
150	86448
200	88758



Reducing Tees

Size (mm)	Branch (mm)	PART No.
80	100	86369
100	80	86798
150	100	86760
200	100	88759



86369

Caps

Size (mm)	PART No.
50	88767
65	88768
80	86152
100	86671
150	88770
200	59609



BSP Caps

Size (mm)	Outlet (mm)	PART No.
80	25	55479
100	25	55478
150	25	86788
200	50	55480



Flange Adaptors

Size (mm)	PART No.
80	57767
100	58034
150	58836
200	59608
250	59611



Victaulic Couplings

Size (mm)	PART No.
32	88739
40	88740
50	88741
65	86374
80	57771
100	58033
150	58837
200	59607
250	59610



EPDM Gaskets

Size (mm)	PART No.
32	55481
40	55482
50	55483
65	55485
80	55486
100	85363
150	55487
200	55488
250	55489



STAINLESS STEEL FITTINGS

Stainless Steel 316 Fittings





Reducing *Reducing*

Size (mm)	PART No.		
	Bushes	Nipples	Sockets
8	-	59553	-
10 x 8	10692	-	-
15	-	89638	89662
15 x 8	86040	-	-
15 x 10	-	12746	-
20	-	89639	89663
20 x 15	89604	59593	89670
25	-	58292	89664
25 x 10	10306	-	-
25 x 15	86039	12747	-
25 x 20	89605	89644	89671
32	-	89640	89665
32 x 20	89607	89646	89673
32 x 25	89606	89645	89672
40	-	89641	89666
40 x 20	89610	89649	89676
40 x 25	89609	89648	89675
40 x 32	89608	89647	89674
50	-	58293	86615
50 x 20	89614	89653	-
50 x 25	89613	89652	89679
50 x 32	89612	89651	89678
50 x 40	89611	89650	89677
65	-	89642	89667
65 x 40	89616	89655	89682
65 x 50	89615	89654	89681
80	-	85748	89668
80 x 40	89619	89658	89685
80 x 50	89618	89657	89684
80 x 65	89617	89656	89683
100	-	89643	89669
100 x 50	89620	89659	89686
100 x 65	89621	89660	89687
100 x 80	89622	89661	89688

Stainless Steel 316 Fittings



Size (mm)	PART No.				
	Female Elbow	M x F Elbow	Tees	Caps	Plugs
15	89623	89632	89689	89697	89706
20	89624	89633	89690	89698	89707
25	89625	85180	86041	89699	89708
32	89626	59222	89691	89700	89709
40	89627	89634	89692	89701	89710
50	89628	89635	89693	89702	89711
65	89629	-	89694	89703	89712
80	89630	-	89695	89704	89713
100	89631	-	89696	89705	89714

DUCTILE IRON FITTINGS

NYLON COATED CAST IRON FITTINGS

Connectors

- All fittings listed are for use with blue PVC (Series 2), ductile iron or AC pipes. White PVC (Series 1)fittings are available, please specify at time of order
- Table D flange drilling, other flange drillings available upon request, please enquire
- PN35 fittings also available, please enquire
- Popular sizes listed only, other sizing available upon request



Size (mm)	PART No.				
	Socket	Flange Socket		Spigot Flange	
	Table D	Table D	Table F	Table D	Table F
80	-	76482	-	79992	-
100	79994	50262	57615	65482	10314
150	79995	50322	86916	65512	86917
200	79993	50382	65236	65542	57561
225	57562	80065	57557	57560	57610
250	50005	80064	58600	57742	27945
300	50006	57512	10744	57510	18936
375	-	58260	12604	58224	13827
450	11404	54016	-	10186	-
500	11408	53688	-	53689	12592
600	11410	11412	-	11414	-
750	11411	11431	-	11415	-

Adapta Flanges

- Popular sizes listed only, other sizing available upon request
- PN35 fittings also available, please enquire

Size (mm)	PART No.			
	PN14	PN16	PN35	SEAL
80	86204	10392	-	13555
100	29051	10386	90386	86455
150	29141	10387	90387	86456
200	57459	10388	90388	50009
225	57174	10389	-	50010
250	50008	10390	90389	50011
300	58659	10391	90390	89549
375	-	12001	-	58210
450	-	15001	-	14768
600	-	14285	-	14769



Socket Bends

- All fittings listed are for use with blue PVC (Series 2), ductile iron or AC pipes. White PVC (Series 1) fittings are available, please specify at time of order
- Popular sizes listed only, other sizing available upon request
- These fittings are only suited for Series 1 (white) PVC pipe



Size (mm)	PART No.								
	Socket					Socket Flange			
	6°	11.25°	22.5°	45°	90°	11.25°	22.5°	45°	90°
80	-	50026	50024	-	-				
100	19678	51322	51042	50862	50682	-	80067	80074	80066
150	56374	51382	51202	50922	50742	80068	80073	80072	80071
200	54375	51442	51262	50982	50802	-	-	12042	80069
225	16501	58617	58618	58619	58620	-	-	-	-
250	13661	58626	86460	57946	58186	-	-	-	-
300	15944	57518	57517	57516	57515	-	-	-	46784
375	-	58263	58265	58264	58261	-	-	-	-
450	-	10085	11395	11398	11400	-	-	-	-
500	-	11508	11396	53014	11401	-	-	-	-
600	-	11509	59735	59734	59736	-	-	-	-
750	-	11510	11397	11399	11403	-	-	-	-

Flange Bends

- Popular sizes listed only, other sizing available upon request



Size (mm)	PART No.						
	Table D				Table F		
	11.25°	22.5°	45°	90°	11.25°	45°	90°
80	50033	50032	50029	58098	-	-	85191
100	80022	80015	80018	50592	65792	14320	14319
150	80017	80023	80021	50622	10695	86871	86870
200	80020	80019	80016	50652	-	91016	-
225	50034	58353	57554	57550	-	-	-
250	81617	58625	50030	50027	-	-	86036
300	58577	58580	58581	57514	-	-	14680
375	50036	58262	50031	50028	-	12603	-
450	11380	11381	54541	11383	-	-	-
500	11384	11385	11386	11387	-	-	-
600	58828	11388	11389	11390	-	-	-
750	11391	11392	11393	11511	-	-	-

Spigot Bends

- Popular sizes listed only, other sizing available upon request
- PN35 fittings also available, please enquire





Size (mm)	PART No.			
	Spigot			
	11.25°	22.5°	45°	90°
100	80054	80052	80053	80055
150	80050	80049	80057	80051
200	80056	80058	80059	80048
225	41285	12003	12004	41284
250	41283	41282	11707	41281
300	41280	58274	41278	41279
375	14986	58275	29466	29463
450	38765	38766	38767	38768

Size (mm)	Part No.			
	Spigot Flange			
	11.25°	22.5°	45°	90°
100	58832	54712	51532	41772
150	58862	54772	51592	41992
200	59552	58802	51652	43362
225	-	-	-	-
250	-	-	-	39742
300	-	-	-	-
375	10325	10324	-	-
450	-		16033	-

Bends

- Popular sizes listed only, other sizing a vailable upon request
- PN35 fittings also available, please enquire



Size (mm)	PART No.		
	Hydrant	Washout	Duckfoot
80	-	-	80061
100	76542	51502	80063
150	80431	80033	80060
200	-	-	80062
225	-	-	50037
250	-	-	50038
300	-	-	50039
375	-	-	50040

Scour Tees

- Other sizes, including PN35 fittings also available, please enquire



Size (mm)	PART No.		
	Socket	Flange	Spigot
100 x 80	54742	79202	80027
150 x 80	80031	50046	80025
150 x 100	80029	50047	80028
200 x 80	80032	50048	80026
200 x 100	80030	50049	80024
225 x 100	58095	50050	50041
250 x 100	50045	50051	50042
300 x 100	57513	50053	50043
300 x 150	12031	-	50044
375 x 100	-	50054	-
375 x 150	58273	10297	-
450 x 150	11446	12811	-

Tees

- All fittings listed are for use with blue PVC (Series 2), ductile iron or AC pipes. White PVC (Series 1) fittings are available, please specify at time of order
- PN35 fittings also available, please enquire
- All sizes up to 750 mm available, please enquire



Size (mm)	PART No.				
	Socket	Socket Flange	Flange	Spigot Flange	Spigot
100	49602	65062	49872	65242	49782
100 x 80	-	-	-	-	80037
150	49662	65092	49902	65272	49812
150 x 80	-	-	-	-	80035
150 x 100	65332	80040	80043	79990	80038
200	49722	65122	49932	65302	49842
200 x 100	65392	80039	80042	79989	80036
200 x 150	65362	65452	80044	79991	80034
225	80047	10604	49933	50084	50114
225 x 100	57903	57731	50056	59583	57275
225 x 150	86726	86772	50057	50088	50099
225 x 200	56139	56143	56144	56187	56145
250	80046	58187	58444	50085	50115
250 x 100	81600	59487	50058	50089	59523
250 x 150	56138	58911	86547	50090	50100
250 x 200	59606	50075	86674	86631	50101
250 x 225	-	56142	56135	56189	50116
300	58591	85244	57511	50086	50102
300 x 100	50069	50076	50060	59478	56146
300 x 150	50070	85246	50061	85002	50103
300 x 200	58593	50077	56188	56190	53899
300 x 225	50071	56141	50062	50091	50104
300 x 250	50072	56140	59446	50092	58294
375	50055	50073	58249	50087	50105
375 x 100	-	50078	50063	50093	58276
375 x 150	-	50079	59408	50094	50106
375 x 200	56137	12340	12049	50095	50107
375 x 225	56136	50080	50064	50096	-
375 x 250	-	50081	50065	50097	50108
375 x 300	-	50083	50066	50098	12834
450	-	-	59955	-	-
450 x 100	-	12348	-	85195	-
450 x 150		13809			
450 x 200	-	-	12810	11433	-
450 x 250	-	-	10543	-	-
450 x 300	-	-	12535	11435	-
450 x 375	-	-	58252	-	-

Hydrant Tees

- All hydrant tees have 80 mm table D branches
- PN35 fittings also available, please enquire





Size (mm)	PART No.			
	Socket	Flange	Spigot	Socket Spigot
80	-	57755	17459	-
100	50052	49962	64792	79506
150	50112	49992	64822	79507
200	50172	50022	64852	79508
225	86755	19743	56191	58374
250	58019	13008	59522	56192
300	57519	54608	-	-
375	54469	54458	12050	10567
450	11426	16071	-	-
500	11427	-	-	

Hydrant Risers

- Table D flange drilling, other flange drillings available upon request, please enquire
- PN35 fittings also available, please enquire

Size (mm)	Length (mm)	PART No.
80	100	79172
80	150	51982
80	225	66712
80	300	52012
80	375	66742
80	450	52042
80	500	18006
80	525	59699
80	600	52072
80	750	52102
100	100	81199
100	150	81200
100	225	81211
100	300	81238
100	375	81201
100	450	81212
100	500	16327
100	600	61200
100	750	58682
100	1000	88916



Note, risers longer than 600 mm are bitumen coated, not nylon coated

Hydrant Riser Units

- Table D flange drilling, other flange drillings available upon request, please enquire
- PN35 fittings also available, please enquire

Size (mm)	Length (mm)	PART No.
80	100	58773
80	150	58775
80	300	58776



Flange Pipe

- Flange pipe is available in all sizes up to 5,350 mm long
- Please note, only popular sizes are listed here and Cadia has custom build pipe capability with short lead times, please contact us with your requirements
- Puddle flanges also available along with all variations of pipe available including flange-flange, spigot-flange and spigot-spigot
- All pipe listed is Table D, but Table E, F and F/D are available upon request



Size (mm)	Length (mm)		
	300	500	600
100	-	59253	13730
150	58199	54993	57877
200	57592	57591	12246
250	14770	13862	11280
300	10366	14511	14376

Size (mm)	Length (mm)		
	900	1200	1500
100	86771	55341	54309
150	86770	58888	58876
200	58595	58594	18002
250	14771	53898	14772
300	14322	59260	59261

Tapers



Size (mm)	PART No.		
	Socket Tapers	Flange Tapers	Spigot Tapers
80 x 50	-	58738	-
100 x 50	-	86566	14776
100 x 80	51802	51712	80078
150 x 80	11417	80009	80076
150 x 100	51862	51742	80079
200 x 80	-	57556	14777
200 x 100	79997	80008	80077
200 x 150	51922	51772	80075
225 x 100	14773	50117	58373
225 x 150	57964	57494	50149
225 x 200	50143	57555	50150
250 x 100	58155	85455	50151
250 x 150	57458	58446	50152
250 x 200	58589	57564	50153
250 x 225	50144	50118	50154
300 x 100	50145	50119	50155
300 x 150	58592	50120	50156
300 x 200	59445	59739	56198
300 x 225	50146	58052	50157
300 x 250	85247	58445	59083
375 x 100	-	50121	50158
375 x 150	14826	58253	50159
375 x 200	50147	58250	50160
375 x 225	50148	50122	50161
375 x 250	11418	56196	50162
375 x 300	58258	58831	50163
400 x 200	-	69980	-
400 x 250	-	69981	-
450 x 150	-	16070	-
450 x 200	14827	57939	14778
450 x 250	12835	58018	14828
450 x 300	14774	11298	14779
450 x 375	58949	58251	12678
500 x 300	11419	16596	-
500 x 375	11420	10569	
600 x 150	-	16067	

Flange Tapers



Size (mm)	PART No.		
	Socket Flange Tapers	Flange Spigot Tapers	Spigot Flange Tapers
100 x 80	80006	14830	80000
150 x 80	14829	14832	80002
150 x 100	80003	58636	79999
200 x 100	80007	14833	79998
200 x 150	80004	89550	80001
225 x 100	50123	89551	50132
225 x 150	56193	89552	50133
225 x 200	50124	89553	-
250 x 100	50125	89554	50134
250 x 150	50126	89555	50135
250 x 200	58179	89556	14780
250 x 225	56194	89557	14783
300 x 100	50127	14834	50136
300 x 150	50128	89558	50137
300 x 200	89561	56197	59274
300 x 225	50129	89559	50138
300 x 250	56195	89560	15478

Crosses

- PN35 fittings also available, please enquire



Size (mm)	PART No.		
	Flange	Spigot	Socket
80	82439	-	
100	80435	80432	54276
150	80437	80436	13146
150 x 100	50000	58614	12509
200	80433	80434	10578
200 x 100	50001	50003	14837
200 x 150	50002	50004	14838
225	14784	14786	58371
250	13791	14787	14839
250 x 150	13751	14789	-
300	11679	14836	14840
300 x 100	14785	12920	-
300 x 150	16491	16068	-

Wyes

- PN35 fittings also available, please enquire



Size (mm)	PART No.	
	Flange	Socket
100	57553	85323
150	58688	86482
150 x 100	14790	11416
200	57552	58695
225	50109	54248
225 x 150	86117	14841
250	50110	12051
300	50111	12052
375	50113	14843
375 x 300	15362	-
450	19465	14844
600	12529	14845

End Pieces

- PN35 fittings also available, please enquire



Size (mm)	PART No.		
	Bellmouth	End Cap	Blank Flange
80	50016	-	80012
100	50017	50442	80014
150	50018	50502	80011
200	58180	50562	80013
225	50019	59957	57175
250	50020	56199	57855
300	50021	59484	58212
375	50023	50007	58211
400	-	11502	15811
450	-	-	10544
600	-	11503	25087

Tapped Flanges

- Table D flange drilling, other flange drillings available upon request, please enquire



Size (mm)	Outlet (mm)	PART No.
80	20	16345
80	25	53979
80	40	54133
80	50	81232
80	65	58612
80	80	91090
100	50	81231
100	65	56830
100	80	56843
150	50	81230
150	100	14646
200	50	85618
225	25	54692
225	50	50012
250	25	16098
250	50	50013
300	50	50014
375	50	50015
450	50	14671

NON-NYLON COATED CAST IRON FITTINGS

Irrigation Tees

- Socket suits white (Series 1) PVC with threaded BSP female branch



Size (mm)	Outlet (mm)	PART No.
100	100	12539
150	100	86554
200	100	85106

Flexible Bellows

- Absorbs movement in axial, lateral and angular directions
- Suited for use with air, hot and cold water, potable water and seawater
- Heat resistant synthetic elastomer
- Metal floating flanges
- Table E



Size (mm)	Length (mm)	PART No.
32	95	79951
40	95	79952
50	105	80267
65	115	88736
80	135	80311
100	150	80312
125	165	88737
150	180	80313
200	190	80314
250	230	80315
300	245	88738

Flange Adaptor Rings

- Adapts any flanged fitting or valve by converting the size or flange table depending on adaptor
- Stainless steel construction with EPDM integrated gaskets
- Supplied complete with nuts



Size (mm)	Table	PART No.
100 x 80	D	58838
100	D x E	58632

Puddle Flanges



Size (mm)	PART No.
80	88013
100	86556
150	58689
200	57847
225	57852
250	88014
300	88015
450	54103
500	15812
600	42857
750	15813

PLASSON® RURAL POLY FITTINGS

Joiners and Connectors





Reducing





Size (mm)	PART No.		
	Joiner	Female Connector	Male Connector
¾	57255	57839	57840
1	58074	56155	57258
1 x ¾	90019	58073	58075
1¼	90020	57257	90016
1¼ x 1	90021	90010	90015
1½	58623	90011	86383
1½ x 1¼	90022	90012	90017
2	57254	57256	57841
2 x 1½	90023	90013	90018

Elbows, Tees and Caps



Size (mm)	PART No.				
	Elbow	Female Elbow	Tee	Female Tee	End Cap
¾	90024	90028	90036	90040	-
1	90025	90030	55218	55219	55220
1 x ¾	-	90029	-	-	-
1¼	54887	55217	90037	90041	90044
1¼ x 1	-	90031	-	-	-
1½	90026	90033	90038	90042	90045
1½ x 1¼	-	90032	-	-	-
2	90027	90035	90039	90043	90046
2 x 1½	-	90034	-	-	-

METRIC POLY FITTINGS

Joiners

Size (mm)	PART No.		
	Plasson	Philmac	Alprene
20	89944	89908	45552
20 x 25	-	-	70672
25	59931	55230	45582
25 x 20	12770	89912	-
25 x 32	-	-	70702
32	57509	89909	45612
32 x 25	89948	89913	-
32 x 40	-	-	70732
40	89945	89910	45642
40 x 25	-	-	41222
40 x 32	89949	89914	-
40 x 50	-	-	70762
50	58966	89911	45672
50 x 40	89950	89915	-
63	59668	27441	63692
63 x 32	12098	-	41223
63 x 40	-	-	41224
63 x 50	59669	-	41225
75	85382	-	76242
75 x 50	89952	-	-
75 x 63	89953	-	-
90	89946	-	76872
90 x 63	-	-	53601
90 x 75	89954	-	-
110	89947	-	79976
110 x 90	89955	-	-
125	13633	-	-





Plasson



Philmac





Alprene

Repair Joiners



- Suited for use on poly lines with working pressures up to PN16
- Installation without disassembly for simple quick easy pipe repair
- Active sealing system with thrust ring
- Complies with Australian Standards

Size (mm)	Length (mm)	PART No.
20	115	79729
25	130	79730
32	135	79733
40	180	79738
50	205	79737
63	255	79734
75	290	79732
90	340	79736
110	390	79731

Connectors



Size (mm)	Thread (“)	PART No.					
		Female			Male		
		Plasson	Philmac	Alprene	Plasson	Philmac	Alprene
20	½	-	14369	-	-	-	-
20	¾	89956	89880	45252	89963	89887	44952
20	1	-	14370	-	-	-	-
25	½	-	14371	-	-	-	-
25	¾	57260	85301	81130	55193	85300	63812
25	1	59451	89881	45282	59452	89888	44982
25	2 ½	-	-	-	-	-	86976
32	¾	57259	89882	81131	86015	89889	63782
32	1	85052	89883	81132	86000	89890	79956
32	1 ¼	89957	89884	45312	86757	89891	45012
40	1	-	-	81133	-	-	79953
40	1 ¼	89958	29374	81134	89964	-	79959
40	1 ½	89959	89885	45342	86756	89892	45042
50	1	-	-	81135	29478	-	-
50	1 ¼	-	-	81136	-	-	79954
50	1 ½	89960	39785	81137	89965	13609	79957
50	2	58968	89886	45372	58969	89893	45072
63	1 ½	-	-	56807	17219	-	-
63	2	89961	39786	63632	58029	-	63602
63	2 ½	-	-	-	89966	-	63572
75	2	-	-	79965	12028	-	76212
75	2 ½	89962	-	76842	89967	-	12107
75	3	-	-	-	89968	-	76812
90	3	-	-	79966	89969	-	79955
90	4	-	-	-	89970	-	79961
110	3	-	-	79964	-	-	79960
110	4	-	-	79962	89971	-	79958

Elbows



Size (mm)	Thread (“)	PART No.					
		45°			90°		
		Plasson	Philmac	Alprene	Plasson	Philmac	Alprene
20	-	-	89898	-	89972	89894	45852
20	¾	-	-	-	-	-	-
25	-	-	89899	-	59453	85304	45882
25	¾	-	-	-	-	-	-
25	1	-	-	-	-	-	-
32	-	45915	89900	-	85964	89895	45912
32	¾	-	-	-	-	-	-
32	1	-	-	-	-	-	-
32	1 ¼	-	-	-	-	-	-
40	-	89833	89901	-	89973	89896	45942
40	1	-	-	-	-	-	-
40	1 ¼	-	-	-	-	-	-
40	1 ½	-	-	-	-	-	-
50	-	89834	89902	-	58967	89897	45972
50	1 ¼	-	-	-	-	-	-
50	1 ½	-	-	-	-	-	-
50	2	-	-	-	-	-	-
63	-	55270	-	-	59665	-	63662
63	1 ½	-	-	-	-	-	-
63	2	-	-	-	-	-	-
75	-	89836	-	-	89974	-	79981
75	2 ½	-	-	-	-	-	-
90	-	89837	-	-	89975	-	79980
90	3	-	-	-	-	-	-
110	-	89838	-	-	89976	-	79982
110	4	-	-	-	-	-	-






Size (mm)	Thread (“)	PART No.					
		Female			Male		
		Plasson	Philmac	Alprene	Plasson	Philmac	Alprene
20	-	-	-	-	-	-	-
20	¾	89977	89903	46152	-	-	-
25	-	-	-	-	-	-	-
25	¾	54077	85303	81138	54078	-	89839
25	1	89978	89904	46182	-	-	81349
32	-	-	-	-	-	-	-
32	¾	-	-	81139	-	-	89840
32	1	53846	-	81140	53847	-	57923
32	1 ¼	89979	89905	46212	-	-	-
40	-	-	-	-	-	-	-
40	1	-	-	81141	-	-	89841
40	1 ¼	12864	-	81142	-	-	89842
40	1 ½	89980	89906	46242	-	-	-
50	-	-	-	-	-	-	-
50	1 ¼	-	-	81143	-	-	-
50	1 ½	12865	-	81144	-	-	89843
50	2	89981	89907	46272	-	-	-
63	-	-	-	-	-	-	-
63	1 ½	-	-	-	-	-	89848
63	2	12530	-	63482	-	-	59907
75	-	-	-	-	-	-	-
75	2 ½	-	-	79978	-	-	-
90	-	-	-	-	-	-	-
90	3	-	-	79977	-	-	89845
110	-	-	-	79979	-	-	-
110	4	-	-	-	-	-	89846

Tees



Size (mm)	Thread (“)	PART No.								
		Standard			Female			Male		
		Plasson	Philmac	Alprene	Plasson	Philmac	Alprene	Plasson	Philmac	Alprene
20	-	89982	89916	46452	-	-	-	-	-	-
20	¾	-	-	-	89989	89920	46752	-	-	89823
25	-	89983	85302	46482	-	-	-	-	-	-
25	½	-	-	-	-	-	-	-	-	86720
25	¾	-	-	-	62887	89921	89818	-	-	55182
25	1	-	-		89990	55204	46782	-	-	89824
32	-	86032	89917	46512	-	-	-	-	-	-
32	¾	-	-	-	-	89922	70882	-	-	89825
32 x 25	-	53923	-	54911	-	-	-	-	-	-
32	1	-	-	-	-	89923	54728	16679	-	89826
32	1 ¼	-	-	-	89991	89924	46812	-	-	-
40	-	89984	89918	46542	-	-	-	-	-	-
40	¾	-	-	-	-	-	58083	-	-	-
40	1	-	-	-	-	-	89819	-	-	-
40	1 ¼	-	-	-	-	89925	89820	-	-	89827
40	1 ½	-	-	-	-	89926	46842	-	-	-
50	-	59670	89919	46572	89992	-	-	-	-	-
50	1 ¼	-	-	-	-	-	89821	-	-	-
50	1 ½	-	-	-	12741	89927	89822	-	-	89828
50	2	-	-	-	89993	89928	46872	-	-	-
63	-	55271	-	63722	-	-	-	-	-	-
63 x 32	-	-	-	41226	-	-	-	-	-	-
63 x 40	-	54110			-					
63	1 ½	-	-	-	-	-	86975	-	-	-
63	2	-	-	-	12095	-	63752	-	-	89829
75	-	89986	-	79971	-	-	-	-	-	-
75	2	-	-	-	-	-	-	-	-	-
75	2 ½	-	-	-	-	-	79968	-	-	-
75	3	-	-	-	-	-	-	-	-	89830
90	-	89987	-	79972	-	-	-	-	-	-
90	3	-	-	-	-	-	79969	-	-	89831
110	-	89988	-	79970	-	-	-		-	-
110	4	-	-	-	-	-	79967		-	89832

End Caps



Size (mm)	PART No.		
	Plasson	Philmac	Alprene
20	89994	56208	47052
25	89995	55206	47082
32	89996	89929	47112
40	89997	89930	47142
50	89998	89931	47172
63	89999	-	63512
75	90000	-	79974
90	90001	-	79975
110	90002	-	79973
450	-	-	10544
600	-	11503	25087

Flange Adaptors



Size (mm)	Flange (“)	PART No.
50	2	76902
63	2	57456
75	3	76932
110	4	79983

Transition Couplings



- Transition end suits copper, galvanised and PVC pipe

Poly Size (mm)	Transition range (mm)	PART No.
20	21-27	89932
20	27-34	89933
25	15-21	59747
25	21-27	58148
25	27-34	58763
32	27-34	59748
32	34-39	54862
32	39-43	58764
40	39-43	54863
50	47-49	58765
63	59-61	58766

Poly to Copper Elbows



Poly Size (mm)	Copper Size (mm)	PART No.
20	20	90005
25	20	81467
25	25	90006

Double Transition Couplings



- Suits copper, galvanised, PVC and poly pipe
- Also available in tees and elbows, please enquire

Range A (mm)	Range B (mm)	PART No.
15-21	15-21	86593
15-21	21-27	86596
21-27	21-27	89934
27-34	15-21	89941
27-34	21-27	89940
27-34	27-34	89935
34-39	27-34	89942
34-39	34-39	89937
39-43	27-34	89943
39-43	39-43	89936
47-49	47-49	89938
59-61	59-61	89939

Poly to Copper Joiners



Poly Size (mm)	Copper Size (mm)	PART No.
20	20	70792
25	20	70822
25	25	90004
32	20	70852
32	25	58304

Poly to Copper Tees



- Branch suits copper

Poly Size (mm)	Copper Size (mm)	PART No.
25	20	90007
25	25	90008
32	25	90009

Universal Adaptors



- Universal end connects steel, PVC, copper and PE in shown size ranges

Poly Size (mm)	Range (mm)	PART No.
25	15-22	58024
25	20-27	58025
25	27-35	58026
32	20-27	90003
32	27-35	58027
50	35-50	58028

GUYCO METRIC POLY TELESCOPIC FITTINGS

Joiners

- Reduces the amount of area requiring exposure to repair pipe
- Simple to fit, slides into place
- Australian designed and manufactured
- Complies with AS4130 and AS1159



Size (mm)	Length (mm)	PART No.
25	280	86582
32	335	86583
40	360	86584
50	450	86585

Male End Connectors



Size (mm)	Thread (“)	PART No.
25	1	88607
32	1¼	88608
40	1½	88609
50	2	88610

Tees



Size (mm)	PART No.
25	88603
32	88604
40	88605
50	88606

THREADED POLY FITTINGS

Bushes, Nipples and Sockets



Reducing *Reducing*

Size (mm)	PART No.		
	Bush	Nipple	Socket
15	-	12455	54490
20	-	86051	89785
20 x 8	12126	-	-
20 x 15	89715	85971	54489
25	-	57980	57981
25 x 15	-	-	54488
25 x 20	85972	85970	89789
32	-	54736	54734
32 x 20	58774	89746	89790
32 x 25	59775	86978	89791
40	-	54732	54735
40 x 20	86178	89747	89792
40 x 25	88911	89748	89793
40 x 32	86179	89749	89794
50	-	86637	54733
50 x 20	86973	54904	89795
50 x 25	59042	58494	89796
50 x 32	89716	89750	89797
50 x 40	89717	58493	89798
65	-	89743	89786
65 x 32	86977	86974	-
65 x 40	89718	89751	-
65 x 50	89719	89752	89799
80	-	89744	89787
80 x 50	89720	89753	89800
80 x 65	89721	89754	89801
100	-	89745	89788
100 x 50	89722	89755	-
100 x 65	89723	89756	89802
100 x 80	89724	89757	89803

Elbows, Tees, Plugs and Caps



Size (mm)	PART No.				
	F Elbow	MxF Elbow	Tees	Plugs	Caps
15	54487	54486	-	20053	20054
20	89733	89740	89804	86177	89725
25	86181	55180	86180	59012	55181
32	89734	89741	89805	89758	89727
40	89735	89742	89806	89759	89728
50	89736	59047	89807	89760	89729
65	89737	-	89808	89761	89730
80	89738	-	89809	89762	89731
100	89739	-	89810	89763	89732

Risers



Size (mm)	Length (mm)				
	300	450	600	900	1200
20	89765	89766	89767	89811	89812
25	89769	89813	89814	89770	89771
32	89772	89773	89774	58930	89775
40	89776	89777	89778	89779	89780
50	89781	89782	59048	89783	89784

ELECTROFUSION POLY FITTINGS

Couplings and Tees



Size (mm)	PART No.	
	Couplings	Tees
20	55523	-
25	58519	58521
25 x 20	55524	-
32	58706	58704
32 x 20	11530	-
32 x 25	58702	55564
40	59057	59031
40 x 25	-	55565
40 x 32	84087	58705
50	58319	57402
50 x 25	-	55566
50 x 32	-	55567
50 x 40	57403	55568
63	58312	86487
63 x 32	86791	58327
63 x 40	88922	59052
63 x 50	86191	58326
75	85493	55559
75 x 63	55242	55569

Size (mm)	PART No.	
	Couplings	Tees
90	58797	55241
90 x 63	58323	55570
90 x 75	53965	-
110	59743	85608
110 x 63	85777	55571
110 x 90	54903	55572
125	85494	86043
125 x 63	86192	-
125 x 90	55525	55573
125 x 110	55526	55574
140	53952	-
160	58151	59566
160 x 90	-	55575
160 x 110	13463	55576
160 x 125	-	55577
180	85542	55560
180 x 110	-	55578
180 x 125	54463	59858
180 x 140	-	55579

Size (mm)	PART No.	
	Couplings	Tees
180 x 160	-	55580
200	59745	55561
200 x 90	-	55581
200 x 110	-	55582
225	85900	55562
225 x 90	-	55583
225 x 110	-	55584
250	86136	55563
250 x 90	-	55586
250 x 110	-	55587
280	54455	-
315	54813	56203
315 x 250	-	59572
355	59746	-
400	55353	-
450	12610	-
500	12611	-
560	12612	-
630	11775	-

Transition Couplings



Size (mm)	PART No.	
	Female	Male
20 x ¾	12476	-
25 x ¾	58703	86790
32 x ¾	55537	55545
32 x 1	85784	55546
32 x 1¼	41667	58523
32 x 1½	-	55547
40 x 1	55538	55548
40 x 1¼	55539	57400
40 x 1½	55540	55549
40 x 2	-	55550
50 x 1	-	55551
50 x 1¼	-	55552
50 x 1½	55541	55553
50 x 2	55542	56324
63 x 1¼	-	55554
63 x 1½	55543	55556
63 x 2	55544	59627
75 x 2	-	55557
75 x 2½	-	55558
90 x 3	-	53682

Elbows and End Caps



Size (mm)	PART No.		
	Elbow		End Cap
	45°	90°	
20	-	53715	-
25	55529	58520	55723
32	55530	58567	55724
40	59053	59032	55725
50	55531	58321	55726
63	86194	59628	58320
75	55532	54998	55727
90	54902	58798	55728
110	85343	85344	85524
125	55933	54739	55729
140	55934	55938	55730
160	55533	55939	55731
180	54117	59856	56201
200	55535	55527	56202
225	55536	55528	55732
250	55937	59570	55733

Branch Saddles

Size (mm)	PART No.				
	Offtake				
	32	40	50	63	90
63	55665	59054	55667	55668	55675
75	55669	55670	55671	55672	-
90	55673	59055	55674	55675	55676
110	85785	55677	55678	59940	85786
125	55679	55680	55681	55682	55683
140	55684	55685	55686	55687	55688
160	55689	55690	55691	59044	55692
180	55693	55694	55695	55696	54118
200	-	-	-	55697	55698
225	-	-	-	55699	55700
250	-	-	-	55701	55702
280	-	-	-	-	55703
315	-	-	-	-	55704



LONG SPIGOT POLY FITTINGS

Adaptors



Size (mm)	Thread (“)	PART No.			
		Female Brass	Male Brass	Female Poly	Male Poly
20	½	55960	-	55940	55951
25	¾	55961	55968	55941	55952
32	1	55962	55969	55943	55954
40	1¼	55963	55970	55944	-
50	1½	55964	55971	55945	55956
50	2	10554	-	55946	-
63	1¼	-	-	55311	39121
63	1½	-	-	55947	-
63	2	55965	55972	86638	86886
75	2½	59941	55973	55948	54997
90	3	55966	55974	54812	55958
110	4	55967	55975	55950	55959

Elbows and Caps



Size (mm)	PART No.		
	Elbow		End Cap
	45°	90°	
25	55976	55990	55902
32	55977	55991	55903
40	55978	55992	55904
50	55979	55993	55905
63	55980	55994	55906
75	55981	55995	55907
90	55982	55996	55908
110	55983	55997	55909
125	86329	86330	55910
140	55984	55998	55911
160	55985	55999	55912
180	55534	56205	-
200	55986	56000	-
225	55987	56001	55913
250	55988	56002	-
280	55989	56003	-
315	54815	56004	-

Reducers



Size (mm)	PART No.
32 x 25	56049
40 x 25	56050
40 x 32	56051
50 x 25	56052
50 x 32	56053
50 x 40	56054
63 x 32	56055
63 x 40	56056
63 x 50	56005
75 x 40	56057
75 x 50	55832
75 x 63	55329
90 x 50	56006
90 x 63	56007
90 x 75	56008
110 x 63	54809
110 x 75	56009
110 x 90	86328
125 x 63	55820
125 x 75	56060
125 x 90	55324
125 x 110	86153
140 x 110	56010
140 x 125	56011
160 x 90	56012
160 x 110	56013
160 x 125	85609
160 x 140	56014
180 x 110	56016
180 x 125	56017
180 x 160	59857
200 x 160	59567
200 x 180	56018

Size (mm)	PART No.
225 x 160	56019
225 x 180	56020
225 x 200	56021
250 x 160	56022
250 x 180	56015
250 x 200	56023
250 x 225	86014
315 x 200	56025
315 x 225	56026
315 x 250	56027
315 x 280	56028
355 x 250	56029
355 x 280	56030
355 x 315	56031
400 x 280	56033
400 x 315	56034
400 x 355	56035
450 x 280	56024
450 x 315	56036
450 x 355	56037
450 x 400	56044
500 x 315	56045
500 x 355	56046
500 x 400	56038
500 x 450	56039
560 x 400	56047
560 x 450	56040
560 x 500	56041
630 x 400	56048
630 x 450	56042
630 x 500	56043
630 x 560	86017

Roll Groove Adaptors



Size (mm)	Length (mm)	Roll Groove (mm)	PART No.
125	700	100	55914
180	600	150	55915

Tees



Size (mm)	PART No.
63	55734
63 x 50	55745
75	55735
75 x 32	55746
75 x 50	55747
75 x 63	55748
90	55736
90 x 63	55749
90 x 75	55750
110	55737
110 x 63	55751
110 x 75	55752
110 x 90	55753
125	55738
125 x 90	55754
125 x 110	55755

Size (mm)	PART No.
160	55739
160 x 63	55756
160 x 75	55757
160 x 90	55758
160 x 110	55759
180	55740
180 x 90	55760
180 x 125	55761
180 x 160	55762
200	86167
225	55741
250	55742
280	55743
280 x 125	14174
280 x 200	13258
315	55744

Stub Flanges

Size (mm)	Pressure Rating	PART No.
50	SDR11	86185
63	SDR11	86187
75	SDR11	86128
90	SDR11	58322
110	SDR11	59230
125	SDR11	85544
140	SDR11	55718
160	SDR11	86125
180	SDR11	85543
200	SDR11	86499
225	SDR11	55719
250	SDR11	59573
280	SDR11	55720
315	SDR11	58344
355	SDR11	55721
400	SDR11	55722
450	SDR11	14096

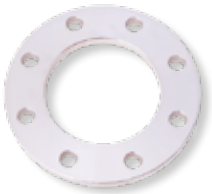


Backing Rings

- Note, sizes available up to 600 mm flanges, please enquire



Galvanised Table D



Stainless Steel 316, Table D/E

Poly Size (mm)	Flange Size (mm)	Table	PART No.	
			GAL	SS316
50	40	D/E	14760	55512
50	40	E	86188	14754
63	50	E	86190	86572
75	65	D	86129	14746
75	65	D/E	14761	55513
90	80	D/E	58602	55514
110	100	D	85346	86880
110	100	E	59174	59231
125	100	D	54547	55515
125	100	E	85546	55516
125	125	E	11965	14755
160	150	D/E	58550	59569
180	150	D/E	85545	55517
200	200	D/E	14763	55518
200	200	E	86500	14756
225	200	D/E	55506	55519
250	250	D	55507	55520
250	250	E	55508	59574
280	250	D	55509	55521
280	250	E	55510	55522
315	300	D	14759	59742
315	300	D/E	55511	-
355	350	D	11506	-
355	375	D/E	14764	12407
400	375	D	86649	-
400	400	D	86127	14749
450	450	D	16556	12615
405	450	E	16657	14757
500	500	E	86639	14758
560	550	D	86410	14750
630	600	D	16569	14751

Full Face Stub Flanges

Full face flanges are available that meet AS4131 to suit pipe sizes ranging from 90mm – 630mm. Please enquire.

BUTTWELD POLY FITTINGS

Reducers



Size (mm)	PART No.
63 x 50	86123
110 x 50	55807
110 x 63	55808
110 x 90	55809
125 x 90	55810
125 x 110	55811
140 x 110	55812
140 x 125	55813
160 x 90	55814
160 x 110	55815
160 x 125	55816
160 x 140	55817
180 x 110	55818
200 x 160	55822
200 x 180	55823
225 x 160	55824
225 x 180	55825
225 x 200	55826
250 x 160	55827
250 x 200	55828

Size (mm)	PART No.
250 x 225	55829
315 x 200	55833
315 x 225	55834
315 x 250	55835
315 x 280	55836
355 x 280	55838
400 x 250	55840
400 x 280	55841
400 x 315	55842
400 x 355	55843
450 x 315	55844
450 x 355	55845
500 x 400	55846
500 x 450	55847
560 x 450	55848
560 x 500	55849
630 x 450	55850
630 x 500	55851
630 x 560	55852

End Caps



Size (mm)	PART No.
63	55853
75	55854
90	55855
110	55856
125	55857
140	55858
160	55859
180	55860
200	55861
225	55862
250	55863
280	55864
315	55865
355	55866
400	55867

90° Bends



Size (mm)	PART No.	
	Short Radius	Elongated
32	55884	55868
40	55885	55869
50	55886	55870
63	55887	55871
75	55888	55872
90	55889	55873
110	55890	55874
125	86122	55875
140	55892	55876
160	55893	55877
180	55894	55878
200	55895	55879
225	55896	55880
250	55897	55881
280	55898	55882
315	55899	55883
355	55900	-
400	55901	-

Sweep Bends

- 30° and 60° bends also available, please enquire



Size (mm)	PART No.	
	45°	90°
32	-	55763
40	55784	55764
50	-	55765
63	-	55766
75	55787	55767
90	55788	55768
110	55789	55769
125	55790	55770
140	55791	55771
160	55792	55772
180	55793	55773
200	86165	86163
225	55794	55774
250	55795	55775
280	55796	55776
315	55797	55777
355	-	55778
400	55799	55779
450	55800	55780
500	55801	55781
560	55802	55782
630	55803	55783

Stub Flanges



Size (mm)	Pressure Rating	PART No.
75	SDR11	55706
90	SDR11	55707
110	SDR11	55708
125	SDR11	56206
140	SDR11	56207
160	SDR11	59568

Size (mm)	Pressure Rating	PART No.
180	SDR11	55709
200	SDR11	85650
225	SDR11	55710
250	SDR11	55711
280	SDR11	55712
315	SDR11	55713
355	SDR11	55714

Size (mm)	Pressure Rating	PART No.
400	SDR11	86650
450	SDR11	55715
500	SDR11	55716
560	SDR11	86409
630	SDR11	55717

PVC FITTINGS - PRESSURE PVC FITTINGS



Size (mm)	PART No.					
	Cat 2 Valve Adaptors	Cat 3 Faucet Take Offs	Cat 5 Slip Bushes	Cat 6 Caps	Cat 7 Slip Couplings	Cat 8 Reducing Sockets
15	85396	49176	-	49202	49208	-
20	85394	49178	-	49203	85401	-
20 x 15	-	49177	85399	-	-	49212
25	49163	49180	-	49204	59216	-
25 x 15	49161	-	49191	-	-	49214
25 x 20	49162	49179	85400	-	-	49215
32 x 20	-	-	-	-	-	49216
32	49165	49182	-	85076	58882	-
32 x 25	49164	49181	49192	-	-	49217
40	49169	58497	-	85075	85402	-
40 x 15	-	-	-	-	-	49218
40 x 20	49166	49184	-	-	-	49219
40 x 25	49167	49185	49193	-	-	49220
40 x 32	49168	49186	49194	-	-	49221
50	49172	58999	-	85001	85403	-
50 x 20	-	-	-	-	-	49222
50 x 25	-	49187	49195	-	-	49223
50 x 32	49170	-	-	-	-	49224
50 x 40	86809	49188	49196	-	-	58069
65	-	-	-	49205	49210	-
65 x 50	-	-	-	-	-	49225
80	49174	49189	-	58122	58795	-
80 x 50	49173	-	49197	-	-	49226
80 x 65	-	-	-	-	-	49227
100	49175	49190	-	58987	57682	-
100 x 50	-	-	49198	-	-	59377
100 x 80	-	-	49199	-	-	58873
125 x 100	-	-	-	-	-	49228
125	-	-	-	58638	58639	-
150	-	-	-	49206	58114	-
150 x 100	-	-	49200	-	-	49229
200	-	-	-	49207	86687	-
200 x 150	-	-	49201	-	-	49230

Elbows



Size (mm)	PART No.		
	Cat 10 45° Elbows	Cat 13 90° Elbows	Cat 15 Faucet Elbows
15	49231	59560	49246
20	49232	58064	49248
20 x 15	-	-	49247
25	59082	57978	49251
25 x 15	-	-	49249
25 x 20	-	49235	49250
32	49233	85395	49252
40	57998	59234	49253
50	58059	58058	-
65	-	49236	-
80	58793	58791	-
100	58794	58792	-
150	86752	58872	-
200	57274	59471	-

Stub Flanges and Valve Sockets



Size (mm)	PART No.		
	Cat 16 Stub Flanges	Cat 17 Valve Sockets	Cat 18 Faucet Sockets
15	-	49256	49259
20	-	58067	85393
25	54207	57979	58280
25 x 15	-	-	49260
32	29764	49257	49261
40	54208	57188	59095
50	80474	57650	58588
65	-	49258	-
80	80476	58348	86773
100	80473	57681	49263
150	80475	-	-
200	58386	-	-
225	49254	-	-
250	58453	-	-
300	49255	-	-

Tees



Size (mm)	PART No.	
	Cat 19 Tees	Cat 21 Faucet Tees
15	59561	49288
20	49265	49290
20 x 15	49264	49289
25	59134	58496
25 x 15	49266	49291
25 x 20	49267	49292
32	49270	-
32 x 15		49293
32 x 20	49268	49294
32 x 25	49269	49295
40	58495	-
40 x 15	49271	49296
40 x 20	49272	49297
40 x 25	49274	49298
40 x 32	49275	-
50	58057	95000
50 x 15	-	49299
50 x 20	49276	-
50 x 25	58061	49301
50 x 32	86513	-
50 x 40	58068	-
65	49277	-
80	58349	-
80 x 25	49278	-
80 x 32	49279	-
80 x 40	49280	-
80 x 50	49281	-
100	85112	-
100 x 25	49282	-
100 x 50	86807	-
100 x 80	86806	-
150	49285	-
150 x 100	59376	-
200	49286	-
200 x 150	49287	-

Miscellaneous Fittings



Size (mm)	PART No.					
	Cat 22 Unions	Cat 23 Screwed Plugs	Cat 24 Screwed Bushes	Compressions Couplers	Male Compression Adaptors	Crosses
15	-	49303	-	49311	85336	89541
20 x 15	-	-	86810	-	-	-
20	86102	49304	-	61443	85335	89542
25	57983	49305	-	61473	89537	89543
25 x 20	-	-	58062	-	-	-
32	85397	49306	-	61503	89538	89544
40	58189	49307	-	61533	89539	89545
50	58060	49308	-	61563	89540	89546
80	89564	49309	-	59885	-	89547
100	86884	49310	-	59886	-	86885

STORMWATER PVC FITTINGS

Slip Couplings

Size (mm)	PART No.
90	57722
150	49158
225	85100
300	59461



Multi Pipe Adaptor

- Adapts stormwater pipe 90 x 75 x 65 x 50 x 40 mm

PART No.	55229



Reducers

Size (mm)	PART No.
100 x 90	57894
150 x 100	49159



Female Bends



15° 22.5° 45° 90°

Size (mm)	PART No.			
	15°	22.5°	45°	90°
90	49150	49151	58361	57570
150	-	-	57897	59391
225	-	-	59457	58452
300	53807	53806	59459	59458

Male x Female Bends



45° 90°

Size (mm)	PART No.			
	15°	22.5°	45°	90°
90	55223	55224	55225	55239
150	-	-	55222	-

Female Junctions



Size (mm)	PART No.	
	45°	90°
90	49153	57569
150	49154	55232
150 x 100	49155	-
225	49156	90048
225 x 100	49157	-
225 x 150	16806	10179
300	59463	59464

Slip On Caps

Size (mm)	PART No.
90	58336
150	49160



Threaded Cap

- 90 mm

PART No.	55226



Down Pipe Adaptors

Size Pipe (mm)	Size Rectangle (mm)	PART No.
90	100 x 50	55227
90	100 x 80	55228



DWV PVC FITTINGS

Solvent Weld Joint (SWJ) Fittings

Couplings



Size (mm)	PART No.				
	Standard	Expansion	Slip	Repair	Threaded Access
40	49068	-	-	-	-
50	49069	49074	-	-	-
65	49070	49075	-	-	-
80	49071	-	-	-	-
100	56238	49076	15309	49082	57723
150	49079	49077	-	49083	81194
225	49072	-	-	-	54441
300	49073	-	-	-	-
375	86562	-	-	-	-

Reducers

Size (mm)	Type	PART No.
50 x 40	Socket	49103
65 x 40	Socket	49104
65 x 50	Socket	49105
80 x 50	Socket	49106
100 x 50	Socket	49107
100 x 80	Socket	49108
150 x 100	Socket	86878
100 x 40	In Pipe	49101
100 x 50	In Pipe	49102



Tapers

Size (mm)	PART No.
50 x 40	49094
65 x 40	49095
65 x 50	49096
80 x 50	49097
100 x 50	58692
100 x 65	49098
100 x 80	49099
150 x 100	58624



Size (mm)	PART No.
225 x 100	58894
225 x 150	58896
300 x 150	49100
300 x 225	86428
375 x 300	86533

Adaptors



Size (mm)	PART No.					
	Female Iron	Male Iron	EW-PVC Spigot Adaptors	EW-PVC Adaptor Rings	EW-PVC Collared Adaptors	SWJ-RRJ Adaptors
40	49116	89548	-	-	-	-
50	49117	58691	-	-	-	-
100	-	-	49140	85447	49142	58163
150	-	-	57193	57194	57192	85255
225	-	-	49141	-	49143	58164

Female Bends

- 5, 22.5, 30 and 60° bends also available, please enquire



Size (mm)	PART No.		
	15°	45°	90°
40	49000	58050	49001
50	49003	49004	49005
65	49006	49007	49008
80	-	49009	49010
100	59393	57646	57676
150	58514	58513	81224
225	49013	57924	85965
300	85766	85514	49016

Male x Female Bends

- 5, 15, 30, 42.5 and 60° bends also available, please enquire

Size (mm)	PART No.	
	45°	90°
40	49024	-
50	49313	49025
50 x 40	49026	-
65	-	-
80	-	49029
100	58856	49035
150	86196	49037
225	-	-



Rear Inspection Bends

Size (mm)	PART No.	
	45°	90°
40	89571	89572
50	89573	89574
100	89575	55056
150	-	89577



Vario Bends

Size (mm)	PART No.	
	20°	45°
150	59141	85043



Female Junctions

Size (mm)	PART No.	
	45°	90°
40	-	49038
50	49039	49040
65	49041	49042
80	49043	-
100	57895	57677
100 x 50	49046	-
100 x 65	49047	-
150	58503	81193
150 x 100	59706	59503
225	59239	59168
225 x 100	58162	-
225 x 150	58891	86220
300	49044	49045
300 x 100	49049	-
300 x 150	49050	13383
300 x 225	49051	49052



Male x Female Junctions



Size (mm)	PART No.	
	45°	90°
100	49053	49054
150	86474	86972
150 x 100	49055	-

Double Junction

- 100 mm

PART No.	85378



90° Clamp On Boss Junctions

Size (mm)	PART No.
150 x 150	89565
225 x 150	58779
225 x 225	89566
300 x 150	89567
300 x 225	89568
375 x 150	89569
375 x 225	89570
450 x 225	85641



4-Way Risers

Size (mm)	Outlets	PART No.
80	50, 40, 40, 40	49063
80	50, 50, 40	49064
100	50	49065
100	50, 50, 40, 40	49067
100	50, 50, 50, 40	49066



Access Junctions



Size (mm)	Angle (°)	Access	PART No.
100	90	Rear	49061
150	90	Rear	49312
100	45	Right Hand	49059
100	45	Left Hand	49060

Inspection Junctions



Size (mm)	Angle (°)	PART No.
50	90	49056
100	45	49057
100	90	49058

Inspection Tees (IO)

Size (mm)	PART No.
100	58855
150	85960



S and P Traps

Size (mm)	PART No.
40	85719
50	85720

Disconnector Traps

Size (mm)	PART No.
100	57637
150	57638



Floor Waste Gullies

Size (mm)	PART No.
80 x 50	49089
80 x 65	49090
100 x 50	49091
100 x 65	49093



Floor Flanges

Size (mm)	PART No.
40	49126
50	49127
80	49128
100	49129



Slab Repair Couplings

Size (mm)	PART No.
40	89578
50	89579
100	86530
150	89580



Pan Collars


Standard Male


Adjustable Male

Size (mm)	Style	Configuration	PART No.
100	Standard	Male	49121
100 x 80	Adjustable	Female	49125
100	Adjustable	Female	49124
100	Adjustable	Male	49123

Bolted Trapscrews





Size (mm)	PART No.	
	Plain	In Concrete
100	58474	57532
150	81222	57533

GTS Cover

- Gas tight seal cover
- Historically used as boundary shaft access point
- Bituminous coated black cast iron
- Size 150 mm long x 150 mm wide x 100 mm high



PART No.	58871

Lamphole Cover

- Heavy duty cast iron
- Lid locks into position
- Often used to cover bolted trapscrews, inspection points or provide a finishing point in sewer covers
- Used in footpaths and driveways, particularly when extra space is required around the valve
- Fits atop 225 mm PVC pipe
- Size 295 mm wide Ø x 100 mm high



PART No.	59592

Grates and Collars


49109


49112


49111


85632

Size (mm)	Description	PART No.
100	Grate	49109
100	Finishing Collar	49112
100	Grate and Finishing Collar	49111
100	Finishing Collar and Grate in Concrete	85632

Clean Out Grate

- Chrome
- 100 mm



PART No.	59899

Pipe Stopper

- 150 mm



PART No.	80947

Dust Caps

Size (mm)	PART No.
100	89581
150	82337



Push On Caps

Size (mm)	PART No.
40	49084
50	49085
65	49086
80	59536
100	57648
150	81203
225	85660
300	49088



Screw On Caps

Size (mm)	PART No.
50	86849
100	57678
150	81195
225	89582



Flap Vents

Size (mm)	PART No.
50	49135
100	49136
150	49137
225	49138



Reflux Valves

Size (mm)	PART No.
100	58240
150	58242



Vent Cowls



Size (mm)	Style	PART No.
65	Plain	49113
100	Plain	49114
50	Insect Proof	54940
100	Insect Proof	49115

RUBBER RING JOINT (RRJ) FITTINGS

Slip Couplings

- Used on both RRJ and SWJ pipe

Size (mm)	PART No.
100	49148
150	58115
225	58893
300	49081



Access Coupling and Cap

- 150 mm

PART No.	58121



Female Bends

Size (mm)	PART No.	
	45°	90°
100	89583	89584
150	57830	57821
225	89585	89586
300	89587	89588



Female Junctions

Size (mm)	PART No.	
	45°	90°
100	49144	-
150	57820	57831
150 x 100	57302	-
225	56350	18359
225 x 100	49146	-
225 x 150	85442	58913
300 x 100	57495	-
300 x 150	89590	89591



Short Pipes (Manhole Connectors)

Size (mm)	PART No.
100	86292
150	57367
225	89592
300	89593



Sanded Spigot Manhole Connectors

- Includes fitted weep rings

Size (mm)	PART No.
100	86291
150	57366
225	89594
300	89595
375	16427



Sanded Socket Manhole Couplings

Size (mm)	PART No.
100	89600
150	54939
300	89603



Sanded Socket Manhole Connectors

With weep rings



Size (mm)	Weep Rings	PART No.
100	No	89596
150	No	89597
225	No	89598
300	No	89599
100	Yes	58685
225	Yes	49139
300	Yes	86463

Nusewer System PE Junctions, Bends, Branch Saddles

A full range of Nusewer fittings to suit butt-welding and electrofusion applications are available. Please enquire.

ELECTRICAL/COMMUNICATION COMPONENTS

- A complete range of electrical conduit and fittings are stocked, please enquire
- All telecommunication conduit, fittings, pits, lids, signs and tape are stocked and available, please enquire
- All products comply with relevant standards and are approved by electricity and telecommunication providers Australia wide

PLASTIC MANHOLES

- Complete plastic manhole systems available, with fully adaptable configurations at the base to suit all pipe types and layouts, please enquire
- Ezi Pit available in 400 mm and 600 mm upon request



MAINTENANCE SHAFTS

Straight Maintenance Shafts

- Includes internal maintenance shaft caps



Size (mm)	PART No.
150	81234
300	85767

Elbow Maintenance Shafts

- Includes internal maintenance shaft caps
- 150 mm inlet/outlet



Angle (°)	PART No.
45	85212
90	85805

Junction Maintenance Shafts

- Includes internal maintenance shaft caps
- 150 mm inlet/outlet



Angle (°)	Direction	PART No.
45	Left	58380
45	Right	58390
90	-	81236

MAINTENANCE SHAFT ACCESSORIES

Internal Maintenance Shaft Cap

- Interlocking cap with square insert operation
- Suits 225 mm stormwater pipe



PART No.	81235

Maintenance Shaft Shroud

- Supports maintenance shaft cover whilst protecting the riser and cap
- Suits 375 mm Ø

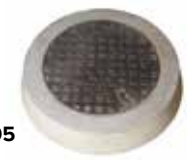


PART No.	85435

External Maintenance Shaft Cover

- Cast iron, class B lid
- Solid concrete surround

Model	PART No.
Class D	10155
Class B	81095



81095

GASKETS

GASKETS AND GASKET KITS

Round EPDM Gaskets

- Full face, 3.0 mm thick
- AS4087 and WSA109 compliant
- Custom sizes available, please enquire


Table D 100


Table E 100


Table F 100

Size (mm)	PART No.			
	TD	TD/E	TE	TF
32	27644	-	-	-
40	54196	-	-	-
50	85398	-	-	-
65	-	46651	-	-
80	-	46652	-	85525
100	46653	-	31179	85526
150	-	46654	-	85527
200	-	57619	-	57618
225	57617	-	55588	57616
250	57621	-	55260	55074
300	-	86837	-	57620
350	86838	-	-	-
375	86843	-	55082	11988
400	86842	-	-	-
450	57686	-	55092	11989
500	86840	-	53693	-
525	17017			
600	-	86841	-	14964
700	86839	-	-	-
750	-	17209		
800	86846	-	-	-
900	86844	-	-	-
1000	86845	-	-	-

Oval EPDM Gaskets

- Suited for use with oval flanged meters
- 3.0 mm thick
- Complies with AS4087 and WSA109

Size (mm)	PART No.
32	70972
40	71002
50	71032



Inca Gaskets

- Durable jointing for general purpose, medium performance duties
- Engineered to provide excellent value for money
- Based on glass and aramid fibres with a nitrile binder
- WRAS approved for use on hot and cold water applications
- 1.5 mm thick
- Available custom made as required, please enquire



Size (mm)	PART No.			
	TD	TD/E	TE	TF
80	-	55083	-	55101
100	55084	-	55085	55102
150	-	55086	-	86872
225	55088	-	-	-
200	-	55087	-	55103
225	-	-	55089	55104
250	55090	-	59382	55105
300	-	55091	-	55106
375	55096	-	55097	-
450	55098	-	55099	-
600	-	55100	-	-

Klinger® Sil C-6327 Gaskets

- Excellent at low surface loads
- Ideal for liquid and steam applications
- SBR bound aramid and inorganic fibres
- Full face, Table F, 1.5 mm thick
- As per WSA109 requirements for PN35 potable water mains

Size (mm)	PART No.
80	85192
100	55076
150	55077
200	55078
225	86045
250	55079
300	55080



Round EPDM Gasket Kits

- Full face, 3.0 mm thick
- AS4087 and WSA109 compliant
- Custom sizes available, please enquire



Galvanised Bolts

Gal Bolts and Nuts

Size (mm)	PART No.			
	TD	TD/E	TE	TF
50	-	54748	-	-
65	81164	-	-	-
80	-	36832	-	36834
100	36862	-	81181	55116
150	-	36892	-	55117
200	-	36922	-	46841
225	46840	-	55107	46839
250	55108	-	55109	55118
300	-	55110	-	55119
375	55111	-	55112	11991
450	55113	-	55114	11992
500	53956	-	-	-
600	-	55115	-	14850

SS 316 Bolts and Moly Nuts



Size (mm)	PART No.			
	TD	TD/E	TE	TF
40	-	54195	-	-
50	-	86573	-	-
65	14627	-	-	-
80	-	57687	-	55142
100	46836	-	86119	55143
150	-	55136	-	55144
200	-	55137	-	55145
225	55138	-	55141	55146
250	55139	-	55421	55147
300	-	55140	-	55148
375	55420	-	55422	-
450	54857	-	55423	-
500	11572	-	-	-
600	-	55424	-	-

To Suit Poly Stub Flange

- Long bolts to accommodate stub flange



Size (mm)	Bolts	Table	PART No.
80	Gal	TD/E	14086
100	Gal	TD	10787
150	Gal	TD/E	10788
200	Gal	TD/E	10789
250	Gal	TD	13835
300	Gal	TD/E	13833
80	SS316	TD/E	14141
100	SS316	TD	13979
150	SS316	TD/E	13959
200	SS316	TD/E	14624
250	SS316	TD	46843
300	SS316	TD/E	27944
450	SS316	TD	19876
500	SS316	TD	19882

Klinger® Sil C-6327 Gasket Kits

- Excellent at low surface loads
- Ideal for liquid and steam applications
- SBR bound aramide and inorganic fibres
- Full face, Table F, 1.5 mm thick gasket
- Stainless steel 316 bolt, nut and washer set
- As per WSA109 requirements for PN35 potable water mains

Size (mm)	PART No.
80	85193
100	55149
150	55150
200	55151
225	86046
250	55152
300	55153



Bolts, Nuts and Washers

- Cadia stocks a huge range of bolts, nuts and washers
- Available in Stainless Steel 304, Stainless Steel 316 and Galvanised
- Hex head, cup head and offset square head bolts
- Custom made, special purpose bolts available on short lead times, please enquire



HOSE AND HOSE FITTINGS

BRASS HOSE ENDS

- Ideal for use in all types of non-corrosive liquid transfer applications
- Simple to use
- Universal BSP threads

Brass Nut and Tails



Nut Size (mm)	Tail Size (mm)	PART No.
20	20	89505
25	15	81477
25	20	85057
25	25	89506
32	32	86481
40	40	89507
50	50	89508
65	65	89509
80	80	89510
100	100	89511

Brass Lump Ends



Male BSP Size (mm)	Tail Size (mm)	PART No.
15	15	89512
20	20	85058
20	15	89513
25	25	81682
25	20	89514
32	32	89515
40	40	89516
50	50	89517
65	65	89518
80	80	89519
100	100	89520

CAMLOCK COUPLINGS

- Also identified as Cam and Groove Fittings
- Convenient when fast connection and disconnection of hose is required
- Used in irrigation and pumping industries
- Ideal for water carriers and civil contractors
- Can be used with water, oil, sludge, sewerage etc
- Available in BSPT and NPT threads in most sizes
- Will handle liquids up to 100°C

ALLOY CAMLOCKS

Part A Camlocks



Size (mm)	Thread	PART No.		
		Alloy	Poly	Stainless Steel
25	BSP	80935	88854	88974
32	BSP	80936	88855	88975
40	BSP	68752	88649	88976
50	BSP	43692	88698	88977
50	NPT	86076	-	-
65	BSP	43872	88699	88978
80	BSP	76602	88702	88979
80	NPT	57773	-	-
100	BSP	80937	88706	88980
100	NPT	57435	-	-
150	BSP	59923	-	88981

Part B Alloy Camlocks



Size (mm)	Thread	PART No.		
		Alloy	Poly	Stainless Steel
25	BSP	80938	89347	88982
32	BSP	80939	89348	88983
40	BSP	68782	89349	88984
50	BSP	43722	89350	88985
50	NPT	86088	-	-
65	BSP	43902	89351	88986
80	BSP	76632	89352	88987
80	NPT	86077	-	-
100	BSP	80940	89353	88988
100	NPT	85580	-	-
150	BSP	59924	-	88989

Part C Camlocks



Size (mm)	PART No.		
	Alloy	Poly	Stainless Steel
25	80941	89355	88990
32	80942	89356	88991
40	68812	89357	88992
50	43752	89358	88993
65	43932	89359	88994
80	76662	89360	88995
100	80943	89361	88996
150	59325	-	88997

Part D Camlocks



Size (mm)	Thread	PART No.		
		Alloy	Poly	Stainless Steel
25	BSP	80917	89363	88998
32	BSP	80918	89364	88999
40	BSP	68842	89365	89000
50	BSP	43782	89366	89001
50	NPT	86078	-	-
65	BSP	43962	89367	89002
80	BSP	76692	89368	89003
80	NPT	86080	-	-
100	BSP	80919	89369	89004
100	NPT	85581	-	-
150	BSP	59925	-	89005

Part E Camlocks



Size (mm)	PART No.		
	Alloy	Poly	Stainless Steel
25	80920	89371	89006
32	80921	89372	89007
40	68872	89373	89008
50	43812	89374	89009
65	43992	88946	89010
80	76722	88947	89011
100	80922	88948	85804
150	59927	-	89012

Part F Camlocks



Size (mm)	Thread	PART No.		
		Alloy	Poly	Stainless Steel
25	BSP	80923	88950	89013
32	BSP	80924	88951	89014
40	BSP	68902	88952	89015
50	BSP	43842	88953	89016
50	NPT	58109	-	-
65	BSP	44022	88954	89017
80	BSP	76752	88955	89018
80	NPT	86079	-	-
100	BSP	80925	88956	85615
100	NPT	85579	-	-
150	BSP	59327	-	89019

Part DC Camlocks



Size (mm)	PART No.		
	Alloy	Poly	Stainless Steel
25	81082	88958	89020
32	81083	88959	89021
40	81084	88960	89022
50	81085	88961	89023
65	81086	88962	89024
80	81087	88963	86157
100	81088	88964	89025
150	88750	-	89026

Part DP Camlocks



Size (mm)	PART No.		
	Alloy	Poly	Stainless Steel
25	88769	88966	89027
32	88751	88967	89028
40	88678	88968	89029
50	88680	88969	89030
65	88681	88970	89031
80	86558	88971	89032
100	86532	88972	89033
150	54972	-	89034

Part LA Male Flange Alloy Camlocks

- SS camlocks also available, please enquire

Size (mm)	Table	PART No.
50	D	86081
80	D	86082
100	D	86083



Part LB Female Flange Alloy Camlocks

Size (mm)	Table	PART No.
50	D	86085
80	D	85744
100	D	86086



CLAW COUPLINGS

- Universal style coupling ideal for transfer of water and air under pressure
- Not suited for use with steam
- SG iron material, fully compliant with AS2554 and AS2660

Male Claw Couplings

Size (mm)	Type	PART No.
25	A	85746
25	S	54841



Female Claw Couplings

Size (mm)	Type	PART No.
25	A	85562
25	S	59177



Tail Claw Couplings

Size (mm)	Type	PART No.
25	A	85747
25	S	54842



Three Way Claw Couplings

Size (mm)	Type	PART No.
25	A	85762



HEAVY DUTY HOSE CLAMPS

Heavy Duty Clamps

- Ideal for use on pressurised transfer and suction hoses
- Will withstand much higher pressure than worm drive style clamps
- Wide band creates larger holding surface area
- Band, housing and screw are clear chromate, mild steel
- Mechanical interlocking band and housing, solid bridge and specially designed bolts combine to create a stronger clamp with higher torque abilities





Size (mm)	PART No.	
	Carbon Steel	Stainless Steel
23-25	80905	80892
27-29	80907	80894
29-31	80908	80895
31-34	80909	80896
34-37	80910	-
37-40	80911	-
40-43	73782	75012
43-47	73812	75042
47-51	73842	75072
52-55	73872	75102
55-59	73882	75132
60-63	73902	75162
63-68	73932	75192
68-73	73962	75222
73-79	80912	80899
79-85	79022	80900
85-91	80913	80901
91-97	80914	80902
104-112	80916	80904
112-121	59913	85880
121-130	85884	85881
140-150	85886	85883
150-162	59915	59326

HOSE

Cadia stocks and supplies a large range of delivery and suction hoses. Listed below is a small section of our most popular varieties. Part number is per 1 metre, i.e. for 83 m, order 83 x part number unless otherwise noted. Surcharge applies for cut lengths.

Layflat Hose

- Cost effective method to transfer water, drainage, sludge etc
- Hard-wearing, blue, smooth PVC compound hose with high strength synthetic cord reinforcing
- -20°C to +55°C temperature range
- Standard roll is 100 m

Size (L/min)	PART No.	
	Medium Duty	Heavy Duty
25	79292	80926
32	80927	80928
40	42122	80929
50	42112	80930
65	42132	80931
80	77562	80932
100	80933	80934
150	59943	57408



Canvas Hose

- Lightweight, non percolating fire hose for industrial and fire brigade use
- Resistant to acids, chemicals, weathering and ozone damage
- Impervious to mildew and mould, will not break down
- 250 psi working pressure and 750 psi burst pressure
- -20°C to +60°C temperature range
- Standard roll is 30 m (Part number is per 30 m roll, rolls are not broken)

Size (mm)	PART No.
38	86425
50	86744
65	87229
100	87231



Grey Suction Hose

- General purpose suction and delivery hose
- Suited for use with water, mud slurry, sewerage and raw water
- Resistant to crushing, abrasion and most chemicals
- Grey PVC compound with anti shock, rigid PVC helix reinforcement

Size (mm)	PART No.
25	81628
40	58961
50	85027
80	58099
100	59914
150	59324



HOSE REELS

Hand Rewind Reels

Alemite™ Hand Rewind Reels

- Heavy duty, powder coated steel construction
- Full flow brass swivel ensures maximum flow
- Open hose slot design with self lubricating bearings
- Maximum operating pressure of 3,000 psi
- Note, Reels can be adapted to suit other hose sizes, lengths will vary. Other size reels are also available, please enquire.

Capacity (mm x m)	PART No.
12 x 20	00100
12 x 75	00101



Remote Mini Reel

- Lightweight nickel plated frame with ergonomic grip
- Compact yet heavy duty steel reel with lock
- 5000 psi rated swivel
- 60 m x 1/4" (6 mm) jetting hose
- Ball valve and pressure gauge
- Fully serviceable and all parts replaceable

PART No.	80882



Electric Rewind Reels

Suited to many applications and available in many styles, sizes and options, Cadia's range of electric rewind reels is vast

- Industry specific reels for both nonpressurised and pressurised hoses, to suit water delivery trucks, weed spraying applications, jetters and vacuum trucks
- All reels are extremely heavy duty, manufactured in Australia and designed to withstand harsh conditions
- Speak to a Cadia sales consultant today, to determine your exact needs and for us to provide a quotation



PIPE

GAS AND WATER PIPE

COPPER PIPE

Straight Length Copper Pipe

- 6 m lengths



Size (mm)	PART No.	
	Type A	Type B
12	56243	58117
20	57379	57359
25	58858	58132
32	86696	57784
40	56242	58176
50	58502	58118
65	-	85005
80	-	57918
100	-	57342
150	-	85984



Annealed Copper Pipe

- 18 m coils



Size (mm)	PART No.	
	Type A	Type B
12	56244	58579
20	57276	81378
25	57277	58054

Lagged Copper Pipe

- 6 m lengths
- Type B





Size (mm)	PART No.	
	Green	Lilac
12	56245	-
20	59175	58011

GALVANISED PIPE

Roll Groove Galvanised Pipe

- High quality, light wall pipe
- Suited for all fire service, mining and irrigation applications
- Typically used with landing valves, hose reels and hydrant risers
- Fully marked with approvals and mill identification for fast visual inspection
- Complies with AS/NZS4792
- 6 m lengths
- Also available in Medium and Heavy Wall varieties and custom sizes, please enquire



Size (mm)	Length (mm)	PART No.
100	6000	85410
150	6000	86451
200	6000	12365

Plain End Galvanised Pipe

- Suited for use in all fire hydrant systems
- Marked with approvals and mill identification every metre for fast visual inspection
- Galvanising exceeds AS/NZS4792
- Also used for water, air and slurry transfer in mining, industrial and irrigation applications
- 6.5 m lengths, custom sizes available, please enquire

Size (mm)	PART No.
20	86540
25	56248
32	56249
40	56250
50	85518
65	56251
80	86555
100	56252
125	56253
150	56254



PVC PIPE

Series 1 PVC Pipe

- High strength to weight ratio
- Extruded un-plasticised polyvinylchloride polymer
- Exceptional resistance to corrosion or chemical attack
- Ideal for major infrastructure applications
- Fully compliant with AS1477 and WSA-03
- 6 m lengths

RRJ

Size (mm)	CL6	CL9	CL12
80	54718	59207	53640
100	58546	58142	57306
150	54719	55287	57859
200	55600	54985	58104
225	55601	55605	55606
250	55602	54720	85337
300	55603	58596	57658
375	55604	59723	59602



SWJ

Size (mm)	CL9	CL12	CL18
25	85386	57977	55616
32	55611	57388	55617
40	85385	57389	59838
50	57168	58066	59157
65	55612	57743	12314
80	85384	58611	57210
100	55613	58897	55618
150	55614	58924	55619



Series 2 PVC Pipe

- Tough, ductile natured, biaxially oriented PVC
- Outside diameter is compatible with AC, DI, CI and GRP whilst providing maximum inside diameter for fast smooth flows
- Extremely high pipe stiffness for optimum diametral and axial loadings as well as internal vacuum and field service tapping capabilities
- Extended fatigue resistance for crack propagation prevention
- Long, 100 year service life with high internal and external corrosion resistance
- Factory fitted, EPDM jointing gaskets for easier, safer and quicker installation
- 6 m lengths









Type M

Size (mm)	PART No.					
	Blue				Cream	Lilac
	CL12	CL16	CL18	CL20	CL12	CL16
100	81423	81417	81450	81428	14901	58237
150	81424	81418	81451	81429	14904	57428
200	81425	81419	81452	81430	10148	58877
225	81422	12815	56255	-	11450	14906
250	81453	81427	59613	18753	10149	55620
300	81426	81420	14894	-	14903	55621
375	81431	81454	14896	58696	11451	55351
450	11449	14280	-	14897	11452	55350

Type O

Size (mm)	PART No.				
	Blue			Cream	Lilac
	CL12	CL16	CL20	CL12	CL16
100	81440	81433	-	54655	59586
150	81441	81434	81446	54653	59584
200	81442	81435	81447	54426	59585
225	81437	81432	81444	18989	56256
250	85243	57819	54851	53605	85359
300	81443	81436	-	10233	85245

POLY PIPE

- Highly versatile and flexible
- Approved for use on many types of liquid and gases
- Typically used in mine water, irrigation, domestic supply and trenchless applications
- Colour coded according to application
- Suited for joining with electrofusion welding and buttweld welding in all sizes and with compression fittings up to 110 mm
- Manufactured and tested to AS/NZS4130 Rural Poly Pipe
- Green stripe
- Common sizes listed only, many more available on request

Rural Poly Pipe

- Green stripe
- Common sizes listed only, many more available on request

Size (mm)	PART No.
	PN8
¾ x 200	84068
1 x 200	84069
1½ x 150	84072
2 x 100	65773



Potable Poly Pipe

- Common sizes listed only, many more available on request

Black PN12.5

Size (mm)	PART No. Length (m)	
	6	12
110	56285	56286
125	56289	56290
140	56292	56293
160	56294	54679
180	56295	56296
200	56297	58800
225	56298	56299
250	56400	59596
280	56401	56402
315	56403	56404
355	56405	59741

Black PN12.5

Size (mm)	PART No. Roll (m)			
	50	100	150	200
25	56257	56258	56259	56260
32	56261	56262	56263	56264
40	56265	56266	56267	56268
50	56269	56270	56271	56272
63	56273	56274	56275	56276
75	56277	56278	56279	56280
90	56281	56282	56283	56284
110	14791	56287	56288	14794
125	14792	56291	14793	14795

Black PN16

Size (mm)	PART No. Length (m)	
	6	12
50	59029	14796
63	84034	53792
75	84036	14797
90	11957	85819
110	86121	86120
125	84040	57266
140	56429	56430
160	56431	57329
180	84041	84042
200	56433	56434
225	56435	56436
250	56437	56438
280	56439	56440
315	56441	56442
355	56443	56444
400	55352	12016

Black PN16

Size (mm)	PART No. Roll (m)			
	50	100	150	200
25	56406	56407	56408	56409
32	56410	56411	56412	56413
40	85375	56414	57265	56415
50	85374	56416	57264	56417
63	84035	57530	56418	56419
75	56420	84037	56421	56422
90	84038	58783	56423	56424
110	14798	84039	56426	14801
125	14799	56428	14800	14802





Potable Poly Pipe

- Common sizes listed only, many more available on request

Blue PN12.5

Size (mm)	PART No. Length (m)	
	6	12
110	56457	56458
125	56460	84005
140	56461	84007
160	56462	56463
180	56464	56465
200	56466	56467
225	56468	56469
250	56470	56471
280	56472	56473
315	56474	56475
355	56476	56477

Blue PN12.5

Size (mm)	PART No. Roll (m)			
	50	100	150	200
20	84000	-	-	58084
25	85182	56445	56446	81607
32	58302	56447	56448	57466
40	84001	85377	58693	56449
50	58303	85376	57333	56450
63	84002	58309	56451	56452
75	56453	85381	56454	56455
90	56432	84003	56456	56427
110	14803	85788	56459	14806
125	14804	84006	14807	14808

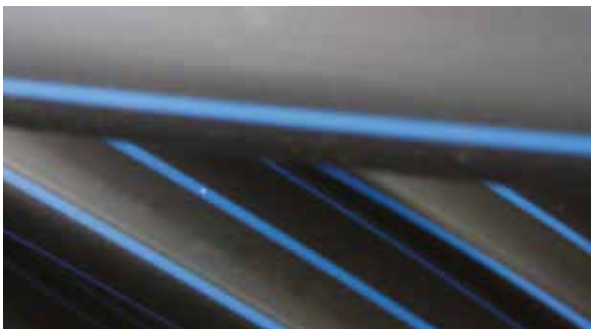
Blue PN16

Size (mm)	PART No. Length (m)	
	6	12
50	56484	14811
63	86193	14813
75	53967	14814
90	53966	14815
110	85342	86124
125	86195	59559
140	56496	84016
160	56497	84018
180	56498	59558
200	86321	56499
225	56500	56501
250	56502	56503
280	56504	56505
315	56506	56507
355	56508	56509

Blue PN16

Size (mm)	PART No. Roll (m)			
	50	100	150	200
20	84010	14816	14817	84011
25	86710	56478	56479	85380
32	59437	56480	56481	58138
40	86395	56482	58085	56483
50	86394	59062	59063	56485
63	56486	59074	56487	56488
75	56490	84013	56491	56492
90	56493	84014	56494	14818
110	14819	86541	56495	14862
125	14820	84015	14821	14863





Non Potable Poly Pipe

- Lilac stripe
- Common sizes listed only, many more available on request



Lilac PN12.5

Size (mm)	PART No.	
	Length (m)	
	6	12
110	86707	56638
125	56640	56641
140	56643	56644
160	56645	56646
180	56647	56648
200	56649	56650
225	56651	56652
250	56653	56654
280	56655	56656
315	56657	56658
355	56659	56660

Lilac PN16

Size (mm)	PART No.	
	Length (m)	
	6	12
90	14875	56682
110	56684	56685
125	56688	56689
140	56691	56692
160	56693	56694
180	56695	56696
200	56697	56698
225	56699	56700
250	56701	56702
280	56703	56704
315	56705	56706
355	56707	56708

Lilac PN12.5

Size (mm)	PART No.			
	Roll (m)			
	50	100	150	200
20	56621	14864	14866	56622
25	84019	56623	56624	84020
32	84021	56625	56626	81606
40	84022	56627	84023	56628
50	84024	56629	58964	56630
63	84025	85421	56631	56632
75	56634	84026	56635	56636
90	56425	84027	56637	14867
110	14868	85787	56639	14871

Lilac PN16

Size (mm)	PART No.			
	Roll (m)			
	50	100	150	200
20	56661	14877	14878	56662
25	84028	56663	56664	84029
32	56665	56666	56667	84030
40	84031	56668	85437	56669
50	84032	56671	86299	56672
63	56674	86298	56675	56676
75	56678	56679	56680	56681
90	14876	84033	56683	14881
110	14879	56686	56687	14880
125	14882	56690	14883	14884

Gas Poly Pipe

- Yellow outer coating/stripe
- Class PN16







Size (mm)	PART No.	
	Length (m)	
	6	12
90	84050	56733
110	56736	85607
125	56739	84052
140	56741	56742
160	56743	56744
180	56745	84053
200	56746	56747
225	56748	56749
250	56750	56751
280	56752	56753
315	56754	56755
355	56756	56757

Size (mm)	PART No.			
	Roll (m)			
	50	100	150	200
20	56709	14885	14886	56710
25	56711	58707	56712	56713
32	56714	58527	56715	56716
40	56717	56718	84044	56719
50	56721	56722	84046	56723
63	56725	53774	56726	56727
75	56729	56730	56731	56732
90	37495	56734	56735	14888
110	-	56737	14889	14890
125	14891	56740	14892	14893

Ductile Iron Water Pipe

- Applications include potable water, pressure sewerage, raw water, effluent and bore water
- Suited for above or below ground use
- Sulphate resistant, Portland® Cement mortar lining
- Cold applied black bituminous paint coating
- Also available flanged in sizes from 50 mm
- 5.5 m lengths
- Please speak to our sales personnel regarding your specific needs

Size (mm)	PART No.
100	98951
150	98961
200	98953
225	98954
250	98955
300	69998
375	98956
450	98958
500	98957
600	98959





Pipe Sleeve

- Protects cast iron and ductile iron pipe from corrosion due to attack by aggressive soils
- Cost effective and easy to install
- Metallocene enhanced, linear, low density polyethylene
- Also available in lilac for use with non-potable installations



Size (mm)	PART No.		
	Blue	Cream	Lilac
100	58995	11476	11466
150	86550	11512	11467
200	56760	54311	11468
225-250	86549	53677	11469
300	56761	11513	11471
375	58331	53829	11472
450	86548	11515	11473



Cadia Group stocks a range of pipe up to 750 mm, including:

- Flange x flange DI pipe
- Flange x spigot DI pipe
- Flange x socket DI pipe
- Spigot x socket DI pipe



PVC SEWER PIPE

Standard PVC Sewer Pipe

- Ideal for all Drain, Waste and Vent (DWV) applications
- Lightweight un-plasticised polyvinyl chloride (U-PVC)
- Chemical, bacterial and fungal resistant
- High impact strength for more robust installation
- Made, manufactured and tested to AS/NZS1260

Size (mm)	Type	Style	Length (m)	Class (SN)	PART No.
100	Slotted	SWJ	6	6	**85379**
150	Slotted	SWJ	6	6	**10332**
100	Smooth	RRJ	6	10	**58684**
150	Smooth	RRJ	6	4	**11517**
225	Smooth	RRJ	3	8	**57301**
300	Smooth	RRJ	3	8	**86464**
375	Smooth	RRJ	3	8	**53862**
100	Smooth	SWJ	6	6	**57649**
100	Smooth	SWJ	6	10	**86197**
150	Smooth	SWJ	3	8	**57331**
150	Smooth	SWJ	6	4	**57522**
150	Smooth	SWJ	6	8	**54583**
225	Smooth	SWJ	3	8	**81695**
225	Smooth	SWJ	6	4	**58226**
300	Smooth	SWJ	6	4	**86436**











SewerPRO® PVC Pipe

- Twin wall corrugated polypropylene pipe used in non-pressure situations
- Manufactured utilising modern co-extrusion techniques
- Smooth bore for optimum hydraulic performance
- Corrugated outside wall provides high stiffness to weight ratio
- Full range of fittings available
- SN10, RRJ, 3 m lengths

Size (mm)	PART No.
150	57886
225	85779
300	55622
375	55623
450	55624
525	56787
600	55625
750	47848









SewerMAX PVC Pipe

- Cost-effective alternatives to rigid pipe materials with improved performance and exceptional durability
- Does not corrode
- Resists abrasion
- Profile wall structure allows efficient use of material and provides a pipe with high ring stiffness and low mass
- Suitable for
  - Stormwater drainage pipelines
  - Estuarine and ocean outfalls
  - Road culverts
  - Gravity sewer mains
  - Low head irrigation
  - Rehabilitation (as liner pipe)
  - Ventilation ducts
  - Leachate collection
  - Stormwater retention systems
- 3 m lengths

Size (mm)	PART No.
225	14910
300	14911
375	14912
450	15013
525	15012
600	12014



POLY SEWER PIPE

Beige PN12.5



Size (mm)	PART No.	
	Length (m)	
	6	12
90	14861	56786
110	56539	56540
125	56543	56544
140	56546	56547
160	56548	56549
180	56550	56551
200	56553	56554
225	56555	56556
250	56557	56558
280	56559	56560
315	56561	56562
355	56563	56564

Beige PN12.5 (cont.)

Size (mm)	PART No. Roll (m)			
	50	100	150	200
20	56510	14860	14859	56511
25	56512	56513	56514	56515
32	56516	56517	56518	56519
40	56520	56521	56522	56523
50	56524	56525	56526	56527
63	56528	56529	56530	56531
75	56533	56534	56535	56536
90	14846	56537	56538	14848
110	14847	56541	56542	14849

Beige PN16



Size (mm)	PART No. Length (m)	
	6	12
90	14851	56593
110	56596	56597
125	56600	56601
140	56603	56604
160	56605	56606
180	56607	56608
200	56609	56610
225	56611	56612
250	56613	56614
280	56615	56616
315	56617	56618
355	56619	56620

Size (mm)	PART No. Roll (m)			
	50	100	150	200
20	56565	14852	14853	56566
25	56567	56568	56569	56570
32	56571	56572	56573	56574
40	56575	56576	57957	56577
50	56579	56580	56581	56582
63	56584	56585	56586	56587
75	56589	56590	56591	56592
90	14854	56594	56595	14857
110	14856	56598	56599	14858

STORMWATER PIPE

PVC STORMWATER PIPE

- Extremely cost effective
- Easy and light to handle
- Robust and resistant to root penetration
- Long 6 m lengths for fast installation



Size (mm)	PART No.
90	57568
150	57493
225	57348
300	57349
375	54015

POLY STORMWATER PIPE

Draincoil Poly Stormwater Pipe

- Corrugated, slotted subsoil drainage system
- Ideal for civil projects such as roads, retaining walls and building foundations
- Even drainage pattern along entire length
- Excellent external load resistance
- Extremely robust, flexible and easy to install
- Full range fittings available



Size (mm)	Length (m)	Class	Style	PART No.
100	100	400	Plain	80467
100	100	1000	Plain	80472
100	100	400	Slotted	80468
100	100	1000	Slotted	80470
65	100	400	Slotted with Sock	54868
65	200	400	Slotted with Sock	53757
100	20	400	Slotted with Sock	58694
100	50	400	Slotted with Sock	85107
100	100	400	Slotted with Sock	80469
160	25	400	Slotted with Sock	54304
100	100	1000	Slotted with Sock	80471

Draincoil Poly Stormwater Accessories

Item	PART No.
Sock 100 mm x 100 m	86322
Sock 100 mm x 250 m	12552
Y Piece 100 mm	58983



Blackmax® Stormwater Pipe

- Cost effective alternative to rigid pipe systems
- Corrosion and abrasion resistant
- Low mass with high ring stiffness
- Particularly suited for stormwater drainage, road culverts, low head irrigation and stormwater retention system applications
- SN8, RRJ, 6 m lengths

Size (mm)	PART No.
225	58202
300	59246
375	59013
450	59507
525	55630
600	59384





StormPRO® Stormwater Pipe

- Twin wall, corrugated polypropylene pipe for use in non-pressure situations
- Manufactured utilising modern co-extrusion techniques
- Smooth bore for optimum hydraulic performance
- Corrugated outside wall provides high stiffness to weight ratio
- Full range of fittings available
- SN8, RRJ, 6 m lengths

Size (mm)	PART No.
150	57818
225	57817
300	58247
375	58248
450	85776
525	83037
600	55627
750	55628
900	58780





Corrugated Pipe

- Dual wall high density polyethylene (HDPE) corrugated pipe
- Manufactured in accordance with AS/NZS 5065
- 6 m lengths

Size (mm)	PART No.
150	14696
225	14447
300	14446
375	14697
450	14444
525	15342
600	25792
750	14363
900	14364

BORECASING PIPE

- High strength to weight ratio
- Extruded un-plasticised polyvinylchloride polymer
- Exceptional resistance to corrosion or chemical attack
- Fully compliant with AS1477 and WSA-03
- SWJ, 6 m lengths
- Slotted, threaded and CL18 available upon request





Size (mm)	PART No.	
	CL9	CL12
100	57419	57418
125	57415	57300
150	57416	57417
175	58606	59995
200	57420	57421
225	14913	57422
250	14914	55355
300	14916	57423

PIPE REPAIR MATERIALS

REPAIR CLAMPS AND FLOW STOPPERS

HALF CIRCLE CLAMPS

Rapid

- Ideal for minor repairs or pinhole leaks in both gas and water pipes
- Fast, easy, permanent repair
- Made to AS4181-1994
- Stainless steel 316 banding with high quality nitrate rubber gasket
- Galvanised bolts
- Suits galvanised pipes



Size (mm)	PART No.	
	Length (m)	
	75	150
15	79739	79740
20	79741	79742
25	79743	79744
32	79745	79746
40	79747	79748
50	79749	79750

FULL CIRCLE CLAMPS

- Quick install repair option
- Ideal for damaged galvanised, PVC or copper pipes
- Full circle seal provides complete damage containment
- Solid stainless steel 316 skin with galvanised or stainless steel 316 bolts
- Manufactured in accordance with ISO9001, operating pressure 1,600 kPa and maximum temperature of 60°C

AVK 75 mm Length

Size (mm)	PART No.			
	GAL B&N		SS B&N	
	Suits Cu	Suits GAL	Suits Cu	Suits GAL
15	-	-	87082	87090
20	-	-	87083	87091
25	-	-	85326	87092
32	-	-	85327	87093
40	-	37672	87084	87094
50	37522	37702	87085	87095

Rapid 75 mm Length

Size (mm)	PART No.	
	GAL B&N	
	Suits Cu	Suits GAL
15	37372	37552
20	37402	37582
25	37432	37612
32	37462	37642
40	37492	97672
50	97522	97702

AVK 150 mm Length

Size (mm)	PART No.			
	GAL B&N		SS B&N	
	Suits Cu	Suits GAL	Suits Cu	Suits GAL
15	-	-	87086	87096
20	97732	97852	37733	87097
25	18115	97882	87087	87098
32	-	97912	87088	87099
40	-	-	87089	-

Rapid 150 mm Length

Size (mm)	PART No.	
	GAL B&N	
	Suits Cu	Suits GAL
15	52282	52252
20	37732	37852
25	37762	37882
32	37792	37912
40	37822	-



STANDARD REPAIR CLAMPS

- Ideal for most partial pipe breaks or punctures
- Full stainless steel 316 band and bolts for maximum service life
- Full circle nitrile rubber gasket for maximum sealing
- Multi range clamps allow clamps to cover a range of pipes as well as catering for pipe ovality or irregularities
- Can be applied directly to pressurised pipelines if required
- Manufactured to AS4181, 1,600 kPa pressure rated
- Available in almost any length, made to order if required
- Common sizes listed, many more available on request
- Not recommended for actual pipe breaks where end of pipe exceeds 5 mm opening



AVK

Range (mm)	PART No.		
	Length (mm)		
	200	300	400
75-80	15400	-	-
85-95	16931	-	-
95-105	16932	16977	-
110-120	16947	87110	16979
114-124	-	87112	-
120-130	99953	97953	38185
140-150	15926	-	-
145-155	16980	-	-
150-160	38242	38272	-
160-170	59516	16961	-
168-178	16962	-	16981
175-185	38332	98912	65552
215-225	16964	60812	11951
230-240	19666	38482	16966
250-260	-	20551	-
255-265	-	16968	16970
265-275	-	15398	-
275-285	-	15399	-
285-295	-	59599	97135

Deks

Range (mm)	PART No.	
	Length (mm)	
	200	300
114-124	16949	16950
177-187	10624	-

Derwent

Range (mm)	PART No.		
	Length (mm)		
	200	300	400
85-95	96931	26329	-
88-98	-	-	29515
95-105	96932	26977	-
100-110	96947	96949	-
110-120	99947	27110	26979
114-124	26948	-	-
120-130	16952	16953	96959
130-140	98212	99212	-
140-150	95926	95927	-
150-160	98242	28272	-
160-170	99516	26961	96981
168-178	-	23992	-
175-185	38332	16912	95552
190-200	97122	24082	-
200-210	96964	26412	-
215-225	-	90812	-
220-230	96966	26965	-
230-240	99666	23482	-
250-260	-	30551	90551
255-265	-	98512	-
270-280	-	94082	94083
275-285	-	25399	34082
285-295	-	29599	29592
310-320	-	26971	24080
320-330	-	95645	-
330-340	-	27143	97143
340-350	-	26973	29597

Rapid

Range (mm)	PART No.		
	Length (mm)		
	200	300	400
87-93	38032	16329	59515
95-104	38062	59267	-
104-113	57464	85490	87108
110-120	87109	-	-
113-120	38092	38122	38184
114-124	-	16951	-
121-130	38152	38182	38183
130-140	38212	87113	87114
135-145	-	12150	-
145-155	15925	-	-
151-161	16954	16957	87115
155-165	16022	16023	16024
160-170	16959	85532	59517
167-176	38302	73992	58087
174-183	16963	38362	87116
179-189	85362	87118	87119
189-199	74052	74082	87121
196-205	87123	87124	86694
202-212	38392	66412	87125
218-228	38422	16965	58088
225-235	12140	-	-
229-238	38452	17566	81250
236-245	63962	38484	87128
248-258	-	16967	63992
255-265	-	38512	64022
271-281	-	64052	64082
281-290	-	38542	64112
285-295	97835	-	87135
298-309	-	38572	87137
312-322	-	38602	64142
322-331	-	64172	64202
332-342	-	87143	38632
343-355	-	87147	38662
356-366	-	87149	64232
360-380	-	-	16408
370-390	-	-	64262
400-420	-	-	81327
410-430	-	-	54722
420-440	-	-	64322
440-460	-	-	64352

Range (mm)	PART No.		
	Length (mm)		
	200	300	400
450-470	-	-	81291
470-490	-	-	64382
490-510	-	-	64412
500-520	-	-	81292
520-540	-	-	81293
530-550	-	-	59185
540-560	-	-	64222
550-570	-	-	81294
570-590	-	-	64472
590-610	-	-	64502
600-620	-	-	81295
620-640	59030	-	64532
650-670	-	-	64562
690-720	-	-	81297
710-740	-	-	59815
720-750	-	-	81298
810-840	-	-	14613

WOODEN PLUGS

- Hammered into pipe ends to prevent leakage whilst repairing pipes
- Wood swells to ensure complete water tight sealing



Size	PART No.
Small	38692
Medium	81376
Large	38722

COUPLINGS AND GIBAULTS

COUPLINGS

SupaPlus Poly Couplings with Bush

- Ideal for joining, rejoining or repairing damaged PE pipes with working pressures of up to PN16
- Fully electrostatically epoxy resin coated ductile iron
- Stainless steel 316 nuts and bolts with WSA109 compliant EPDM rubber sealing ring
- Suited for all water and neutral liquid applications



Size (mm)	Length (mm)	PART No.
90	70	**87069**
110	78	**87070**
125	78	**87071**
140	88	**87038**
160	88	**87039**
180	110	**87040**
200	110	**87041**
225	110	**87042**
250	110	**87043**
280	110	**87044**
315	168	**87045**

SupaPlus® Poly Flange Couplings with Bush

- Used when adapting PE pipes to flanged connections
- Simple to use with multi flange drillings to ensure most applications are covered
- Fully electrostatically epoxy resin coated ductile iron
- Stainless steel 316 nuts and bolts with WSA 109 compliant EPDM rubber sealing ring
- Suited for all water and neutral liquid applications



Size (mm)	Size Flange (mm)	Length (mm)	PART No.
90	80	100	**87031**
110	100	101	**81153**
125	100	101	**86827**
160	150	109	**87033**
180	150	112	**87034**
200	200	117	**59439**
225	200	118	**87035**
250	250	118	**87036**
250	280	118	**12381**
315	300	119	**87037**

SupaPlus® Poly Support Bush

- Inserts into PE pipe ends when using SupaPlus® couplings or flange adaptors
- Prevents couplings from collapsing PE pipe walls
- Suitable for poly PE100 up to PN16
- High grade stainless steel 316



Size (mm)	Length (mm)	PART No.
90	25	**87072**
110	25	**85140**
125	25	**86828**
140	35	**87074**
160	35	**87075**
180	35	**87076**
200	35	**87077**
225	50	**87078**
250	50	**87079**
280	50	**87080**
315	50	**87081**

STANDARD GIBAULT COUPLINGS

- Heavy duty cast iron, old style pipe repair
- Bitumen coated to prevent rust and corrosion
- Supplied with galvanised nuts and bolts
- Spare rubber rings available for all sizes



Short Standard Gibaults

Size (mm)	Suits Pipe	Length (mm)	PART No.
80	AC-PVC 80	125	**79082**
80	PVC 80	150	**70252**
100	AC 100	110	**61742**
100	AC-PVC 100	170	**61802**
100	PVC 100	150	**61862**
150	AC 150	110	**61772**
150	AC-PVC 150	185	**61832**
150	PVC 150	150	**61892**
200	AC 200	200	**79773**
225	AC 225	200	**10320**
375	AC 375	200	**58736**

Long Standard Gibault



Size (mm)	Suits Pipe	Length (mm)	PART No.
800	AC/PVC S2	180	**22591**
100	AC/PVC S2	180	**77602**
100	PVC S1	180	**79775**
150	AC/PVC S2	180	**79774**
150	PVC S1	180	**79776**

Blank Standard Gibaults



Size (mm)	Suits Pipe	Length (mm)	PART No.
80	AC/PVC S2	125	**61923**
100	AC/PVC S2	150	**61922**
100	PVC S1	150	**61982**
150	AC/PVC S2	150	**61952**
150	PVC S1	150	**62012**
200	AC/PVC S2	200	**21511**
250	AC/PVC S2	200	**81566**

WAGA Multi Joint Couplings

- Ductile Cast Iron GGG45 body and clamping rings in accordance with EN-GJS-450-10
- Resicoat epoxy powder coating according to AS/NZ4158
- EPDM gasket in accordance with AS681.1 (0-50°C)
- Angular deflection of maximum 8° per socket installation
- SS316 bolts, nuts and washers
- Hygiene cap included



Size (mm)	Range (mm)	PART No.
50	46-71	**11777**
65	63-90	**11778**
80	84-105	**11779**
100	104-132	**11780**
125	132-155	**11781**
150	154-192	**11782**
200	192-232	**11783**
225	230-268	**11785**
250	267-310	**11706**
300	315-356	**11787**
350	352-393	**11788**
400	392-433	**11789**

WAGA Multi Joint Coupling Support Bushes

- Popular sizes listed only, however all sizes are available, please enquire

Size (mm)	PART No.
63	**44777**
110	**12505**
125	**14582**
160	**12191**
225	**14478**



WAGA Multi Joint Coupling Adaptor Flanges

- Popular sizes listed only, however all sizes are available, please enquire



Size (mm)	Range (mm)	PART No.
100	104-132	**12688**
150	154-192	**13797**
200	192-232	**12419**
200	230-268	**13675**
250	267-310	**12917**
300	315-356	**13220**

SHORT GIBAULT COUPLINGS

- Non restrained mechanical coupling suited for most types of pipes
- Extremely effective way of connecting pipes of both equal and unequal diameters
- Epoxy coated ductile end plates with stainless steel 316 barrel
- High quality wedge style EPDM seal fully compliant with AS4020
- Suitable for working pressures up to PN16



Multi Vari Flexi

Size (mm)	Range (mm)	PART No.			
		MULTI	VARI		FLEXI
		SS Bolts	Gal Bolt	SS Bolts	SS Bolts
40	46-63	53842	-	-	-
50	57-74	54984	-	20422P	-
65	68-85	54983	-	-	-
65	72-88	-	-	53152P	
80	84-106	36082	-	-	-
80	88-103	-	85671	85179P	85179D
100	108-132	-	-	-	58144D
100	109-133	87228	60692	58144P	-
125	123-147	-	-	41792P	-
125	132-157	54982	-	-	-
150	157-183	-	58357P	60722	-
150	158-182	-	-	-	58357D
150	176-201	86552	36172	-	-
200	214-238	-	-	58358P	-
200	218-242	87102	-	-	-
225	240-264	60842	-	-	-
225	242-268	-	58334	98334	-
250	266-292	36202	-	-	-
250	272-296	-		56844P	-
250	280-306	36203	-	-	-
300	301-327	44352	-	-	-
300	315-349	58609	-	-	-
300	324-350	60872	-	-	-
300	330-354	-		12038	-
350	352-378	54859	-	-	-
350	384-410	59603	-	-	-
375	410-436	80499	-	-	-
400	436-462	57644	-	-	-
450	488-512	-	-	80500P	-
450	498-522	-	-	87100P	-
500	542-566	-	-	58219P	-
600	658-682	-	-	58296P	-
750	810-834	-	-	87101P	-

LONG GIBAULT COUPLINGS



Multi



Vari



Flexi

Size (mm)	Range (mm)	PART No.			
		MULTI		VARI	FLEXI
		SS Bolts	Gal Bolts	SS Bolts	SS Bolts
80	84-106	**85699**	-	-	-
80	88-103	-	-	**26032**	**85699D**
100	109-133		**60632**	**57296P**	
100	108-132				**57296D**
150	157-183	**80604**			
150	158-182		**60662**	**85664P**	**85664D**
200	214-238		**57460**	**85665P / 97297**	**85665D**
225	240-264		**24674**		
225	242-269			**58359P**	**85331D**
260	266-292	**87066**			
250	270-295				**87066D**
250	272-296		**13116**	**97299**	
300	330-354			**11314P**	
300	330-356				**87067D**
300	342-366			**12039**	
300	346-370			**12037**	
375	400-429				**10457D**
375	410-436	**87068**			
400	410-434			**10063**	
400	440-460				**12704D**
450	488-512				**80500D**
500	540-565				**10816D**
600	640-664		**14296**		
600	656-680				**58296D**

Stepped Gibault Couplings



Size (mm)	Range A (mm)	Range A (mm)	Length (mm)	PART No.
40-50	46-74	-	100	**87010**
40-65	46-85	-	100	**85791**
50-65	57-85	-	100	**87011**
50-80	57-106	-	100	**87012**
65-80	68-106	-	100	**86096**
80-100	84-119	-	100	**87014**
80-100	84-133	-	100	**87015**
80-100	88-133	-	176	**58782**
100-100	99-133	-	100	**87016**
100-125	99-157	-	100	**87018**
100-125	109-157	-	100	**87017**
100-150	109-183	-	115	**87019**
125-150	132-183	-	115	**87020**
150-150	157-201	-	115	**86598**
150-200	176-215	-	115	**85352**
150-200	176-242	-	140	**87021**
200-200	193-242	-	140	**85955**
200-225	193-268	-	140	**85510**
200-225	218-268	-	160	**79763**
225-250	242-292	-	160	**87022**
250-250	266-306	-	160	**87023**
250-300	266-327	-	160	**87024**
300-300	301-350	-	160	**87025**
300-350	301-378	-	160	**87026**
300-350	324-378	-	160	**86058**
350-350	352-396	-	160	**87027**
350-350	372-410	-	160	**57351**
350-400	384-436	-	160	**58660**
400-400	410-462	-	160	**87030**

Blank Gibault Couplings

- Ideal for sealing of ends temporarily or for testing new installations



Size (mm)	Range (mm)	Length (mm)	PART No.
80	88-106	100	**59835**
100	109-133	100	**85178**
150	157-183	115	**85260**
200	218-242	140	**85845**
225	240-264	150	**17657**
250	272-296	150	**56346**
300	330-354	220	**19748**
350	370-394	220	**19749**

Flanged Multi Gibaults



Nominal Size (mm)	Flange Size (mm)	Gibault Range (mm)	PART No.
40	40/65*	46-63	**87000**
50	50/65*	57-74	**58139**
50	50/80*	57-74	**87001**
50	50/80*	68-85	**57457**
80	80	84-106	**80495**
80	80/100*	84-106	**87002**
100	100	99-119	**87003**
100	100	109-133	**60752**
125	125/150*	132-157	**58714**
150	150	157-183	**60782**
150	150	176-201	**87004**
200	200	193-215	**87005**
200	200	218-242	**80496**
225	225/250*	242-268	**80498**
250	250	266-292	**80497**
300	300	301-327	**87008**
300	300	315-349	**58829**
300	300	324-350	**11680**
375	375	384-410	**58470**
375	375	410-436	**58471**
400	400	436-462	**87009**

**Denotes slotted flange drilling*

QUICK CONNECTOR JOINERS

- Quick, easy joins above and below ground
- Ozone and UV resistant polymer flexible compound joiner for optimum longevity
- Manufactured to suit Australian pipe sizes
- Suitable for use on a range of sewer and drainage pipes
- Often used when replacing lines in older estates
- Manufactured to Australian Standards and compliant with all Australian Sewerage Authorities
- Other size available on request

Quick Connector Joiners



Size (mm)	PART No.			
	AC-PVC	EW-EW	EW-PVC	PVC-PVC
90 x 90	-	-	-	70221
100 x 90	-	-	-	53657
100 x 100	39591	79728	39651	39531
150 x 100	-	-	11335	70191
150 x 150	39621	70161	39681	39561
375 x 375	85295	-	59814	-

Double Clip Quick Connectors



Size (mm)	PART No.			
	AC-PVC	EW-EW	EW-PVC	PVC-PVC
100 x 100	-	-	56838	54693
150 x 150	-	-	85988	54217
225 x 225	42641	62041	42611	20491
300 x 300	-	-	42671	42701

Quick Connector End Caps



Size (mm)	Range (mm)	Suits	PART No.
40	38-46	PVC	87103
50	52-61	PVC	39534
65	65-72	PVC	39533
80	76-85	PVC	87104
100	105-112	PVC	39532
100	135-142	EW	87105
150	155-165	PVC	87106
150	192-198	EW	87107

JOINERS

Multifit Joiners

- Designed to suit AC and CI/DI pipes
- Bitumen coated ductile iron with heavy duty galvanised bolts
- Unique rubber seal entirely encases all edges of joiner
- Often used when pipe ends are not exposed or when breaks or fractures run around the pipe



Size (mm)	Pipe Ø (mm)	Length (mm)	PART No.
80	100	180	80820
100	127	180	60932
150	183	180	60962
200	236	180	59733
225	262	180	58715
250	293	230	61022
300	352	230	61052
375	432	230	59594

Socket Leak Clamps

- Repairs and seals leaks at the socket/spigot joint caused by damaged rings, dirty joints, earth movement, poor maintenance or third party interference
- Suitable for use on DICL (pre 2003), CI, AC and concrete pipes
- Interlocking ductile iron segments and nitrile gaskets ensure quick and easy installation
- Clamps can be fitted whilst pipe is under pressure
- Supplied with heavy duty galvanised bolts
- Stainless steel 316 bolts are available upon request



Size (mm)	Range (mm)	PART No.
80	96-100	**85151**
100	122-127	**85589**
150	175-180	**85590**
200	230-236	**86145**
225	256-262	**87046**
250	282-289	**87047**
300	345-355	**87048**
375	425-430	**87049**
450	500-510	**87050**
500	552-562	**87051**
600	660-670	**87052**

Dismantling Joints

- Used in situations where valves or similar may need to be removed or serviced
- Epoxy resin coated ductile iron material for maximum strength and service life
- Suits flange Table C/D
- Also available in Tables E and F, please enquire





Non-Thrust Dismantling Joints

Size (mm)	PART No.
80	**57209**
100	**57604**
150	**87053**
200	**57603**
225	**57602**
250	**87054**
300	**87055**
375	**58257**
450	**58259**
600	**87056**

Thrust Dismantling Joints

Size (mm)	PART No.
80	**87057**
100	**87058**
150	**87059**
200	**87060**
250	**87061**
300	**87062**
375	**87063**
450	**87064**
600	**87065**

MALCO FITTINGS

- Heavy duty galvanised joiners to repair or rejoin most types of galvanised pipes
- Quality seals for maximum sealing performance
- Other Malco fittings available upon request, please enquire

Short Malco Joiners



Size (mm)	Length (mm)	PART No.
20	70	**52402**
25	80	**52462**
32	80	**52522**
40	85	**52582**
50	95	**52642**
60	100	**86715**
85	110	**85640**

Long Malco Joiners



Size (mm)	Length (mm)	PART No.
15	90	**85103**
20	100	**52432**
25	110	**52492**
32	120	**52552**
40	125	**52612**
50	135	**52672**

Male Malco Connectors

Size (mm)	Length (mm)	PART No.
20	65	**76512**
25	69	**76182**
32	75	**77812**
40	83	**81147**
50	89	**81159**



PIPE OUTSIDE DIAMETERS

PRESSURE PIPE

NOMINAL PIPE SIZE	DICL Ductile Iron	MSCL	GWI	S1 WHITE U-PVC	S2 BLUE-O/M PVC	GRP GLASS REINFORCED PLASTIC	COPPER	AC - CLASS AB	AC - CLASS CD	CICL - Grey Cast Iron CL-B	PE Pressure Polyethylene	PE Pres-sure- I/D (PN16)	RC - Reinforced Concrete
12							12.7						
15			21	21			15.87				20	16.05	
20			27	27			19.05				25	20.15	
25			34	33			25.4				32	25.95	
32			43	42			31.75				40	32.30	
40			48	48			38.1				50	40.45	
50			60	60			50.8				63	51.00	
65			76	75			63.5				75	60.95	
80	96		89	89			76.2	96	96		90	73.05	
100	122	114	114	114	122	122	101.6	122	122	122	110	89.40	
125			140	140			127				125	101.50	
150	177	168	165	160	177	177	152.4	177	177	177	140	113.85	197
175				200							160	129.95	
200	232	219		225	232	232	203.2	232	232	232	180	146.25	
225	259	257		250	259	259		259	259	259	200	162.50	279
250	286	273		280	286	286		286	286	286	225	182.85	
300	345	324		315	345	345		334	345	334	250	203.35	362
350		356		355		399					280	227.80	
375	426			400	426	426		413	426	413	315	256.25	445
400		406		450		453					355	288.80	
450	507	457		500	507	507		492	507	492	400	325.40	533
500	560	508		560		560				545	450	366.05	
525					560	587		572	587		500	406.75	616
575													
600	667	610		630	667	667		650	667	650	560	455.70	699
675													
750	826	762				826			826				870

NON-PRESSURE PIPE

NOMINAL PIPE SIZE	RC - REINFORCED CONCRETE			CI - SOIL	PVC		FRC V PIPE AND V PIPE+				AC		RC - Reinforced Concrete
	CL-2	CL-3	CL-4		PVC STORM WATER	PVC SEWER	VC - Vitrified	CL2	CL3	CL4	CL35	CL50	
12													
15													
20													
25													
32						38							
40						43							
50					56	56							
65					69	69							
75					75								
80						83							
90					90								
100				109	110	110	140				120	122	197
125				135									
150				160	160	160	194				177	183	
175					200								279
200				214				273		276	230	236	
225	295	295	295				277				257	262	362
250				267							283	289	
300	370	370	370	318	315	316	370	346	348	354	336	344	445
350													
375	453	453	453	397	400	400	428	427	431	439	419	425	533
400													
450	538	538	538				535	512	519	529	497	505	616
500													
525	623	623	645				635	594	606	618	576	585	699
575													
600	698	698	720		630		692	678	691	705	657	664	870
675	785	785	855					752	770	787			
750	870	870	910					803	822	839			

FLANGE TABLE

DN SIZE (mm)	PITCH CIRCLE DIAMETER (mm) TABLE				NUMBER OF HOLES TABLE				FLANGE O/D (mm) TABLE				BOLT SIZE TABLE			
	D	E	F	H	D	E	F	H	D	E	F	H	D	E	F	H
50	114	114	127	127	4	4	4	4	150	150	165	165	M16	M16	M16	M16
65	127	127	146	146	4	4	8	8	165	165	185	185	M16	M16	M16	M16
80	146	146	165	165	4	4	8	8	185	185	205	205	M16	M16	M16	M16
100	178	178	191	191	4	8	8	8	215	215	230	230	M16	M16	M16	M16
150	235	235	260	260	8	8	12	12	280	280	305	305	M16	M20	M20	M20
200	292	292	292	324	8	8	12	12	335	335	370	370	M16	M20	M20	M20
225	324	324	356	356	8	12	12	12	370	370	405	405	M16	M20	M24	M24
250	356	356	381	381	8	12	12	12	405	405	430	430	M20	M20	M24	M24
300	406	406	438	438	12	12	16	16	455	455	490	490	M20	M24	M24	M24
350	470	470	495	495	12	12	16	16	525	525	550	550	M24	M24	M27	M27
375	495	495	521	521	12	12	16	16	550	550	580	580	M24	M24	M27	M27
450	584	584	610	610	12	16	20	20	640	640	675	675	M24	M24	M30	M30
500	641	641	673	673	16	16	24	24	705	705	735	735	M24	M24	M30	M30
600	756	756	781	781	16	16	24	24	825	825	850	850	M27	M30	M33	M33

PIPE SUPPORT AND BRACKETS

CLIPS AND BRACKETS

Cadia stocks and supplies a vast range of pipe clips and brackets, pipe strut and channel, Unistrut, all thread and pear hangers, including the full Abey® range. Talk to us about your requirements and be assured we will meet every need, based on professional product knowledge and practical experience in the field.



TIMBER BLOCKS AND WEDGES

- Ideal for supporting and blocking pipes whilst installing
- Environmentally friendly, can be left in position while back filling to ensure pipes are not damaged
- Milled from ecologically sustainable Australian hardwood
- Custom made to any specification
- Timber posts, poles and piles are also readily available, please enquire





Timber Blocks

Width (mm)	Height (mm)	Length (mm)	PART No.
75	50	400	**54716**
75	75	1500	**12278**
100	75	400	**80454**
150	25	400	**59151**
150	40	450	**58364**
150	75	400	**85611**
150	100	400	**32821**
150	100	450	**58363**
150	100	1200	**58566**
150	150	450	**58362**
200	100	400	**56846**



Timber Wedges

Width (mm)	Height (mm)	Length (mm)	PART No.
75	40	330	**57851**
75	50	400	**81458**
100	75	400	**80455**
150	100	400	**35302**
150	150	450	**58365**
175	75	450	**58366**
200	50	400	**13950**
200	100	400	**56847**

TAPPING

MAINCOCKS

- Used in dry tapping applications i.e. new subdivisions
- Manufactured to AS/NZS3718 and AS3496
- Pressure rated to PN16
- All maincocks are constructed from DZR brass and comply with all potable water regulations

Standard Maincocks

Size (mm)	PART No.
20	52312
25	52342
32	66352
40	66472
50	66502



Sydney Pattern Maincocks and Bend Sets

Size (mm)	PART No.
20	81240
25	81341



TPFNRS

- Suitable for all live tapping applications, i.e. new service lines from existing mains
- Manufactured to AS/NZS3718 and AS3496
- Pressure rated to PN16
- All TPFNRs are manufactured from DZR brass and comply with all potable water regulations



Size (mm)	PART No.		
	Standard	Capped	Top Assemblies
20	35332	59792	62672
25	35362	59822	62702
32	35392	59852	62732
40	35422	59882	62762
50	35452	59912	62792

Poly TPFNRs



Size (mm)	PART No.	
	Standard	Capped
20 x 25	52372	79786
25 x 32	74622	79788

BENDS

- Supplied with loose union nut to fit respective TPFNRs and maincocks
- Manufactured to AS/NZS3718 and AS3496
- Pressure rated to PN16
- All TPFNRs are manufactured from DZR brass and comply with all potable water regulations



Size (mm)	PART No.						
	Capillary	Male & Capillary	Compression	Female	Male	Capillary Short Radius	Sydney pattern
20	35512	-	35572	35633	35632	35515	81265
25	35722	-	35692	35634	35662	-	81266
32	-	35812	35782	88320	-	-	-
40	-	35902	35872	85009	-	-	-
50	-	35932	35992	88321	-	-	-

Breeching Pieces

Size (mm)	Outlets (mm)	PART No.
50	20	80544
50	25	58119



TAPPING BANDS

BRASS TAPPING BANDS

White PVC (Series 1) Tapping Bands

- Mechanical tapping band
- Provides a means for the connection of service pipes from a pipeline
- Suitable for use on Series 1 MPVC and galvanised pipe
- Manufactured to AS/NZS4793/MP52-SPEC025
- Pressure rated to PN16



Sureseal

Size (mm)	PART No.				
	Offtake (mm)				
	20	25	32	40	50
40	79807	-	-	-	-
50	52732	52792	-	-	-
80	44742	44772	81411	10504	69820
100	42162	42172	34212	34222	39292
150	42182	42192	34362	34392	34382
200	10513	34422	79800	79801	34402
225	52882	52942	-	-	-
250	41762	34352	81323	81324	34342
300	34322	42312	81325	81326	42342

O-Ring



Size (mm)	PART No.				
	Offtake (mm)				
	20	25	32	40	50
40	10487	10488	-	-	-
50	10489	10490	81315	-	-
65	10491	10492	81409	81410	-
80	10493	10494	10495	81412	10505
100	10432	10438	10506	10507	10508
125	-	-	-	-	54383
150	10433	10434	10510	10511	10512
200	34372	10514	10515	10516	10517
225	10518	10519	10520	10521	10522
250	10523	10524	10525	10526	10527
300	10528	10529	10530	10531	10533
375	10534	10535	10536	10537	10538

BLUE PVC (SERIES 2) TAPPING BANDS

- Mechanical tapping band
- Provides a means for the connection of service pipes from a pipeline
- Suitable for use on blue MPVC/OPVC, ductile iron, cast iron and asbestos pipes
- Manufactured to AS/NZS4793/MP52-SPEC025
- Pressure rated to PN16

Sureseal



Size (mm)	PART No.				
	Offtake (mm)				
	20	25	32	40	50
50	52762	52822	-	-	-
80	44682	44712	79814	79811	79818
100	34452	34482	34512	34532	34562
150	34592	34622	34652	34682	34712
200	42372	42402	79816	79813	41972
225	52852	52912	81301	81302	52972
250	42432	42462	81303	81304	42492
300	42522	42552	81305	81306	42582
375	79819	81307	81308	81309	79815
450	-	-	-	-	13127
500	-	-	-	-	79820
600	-	-	-	-	79810

O-Ring



Size (mm)	PART No.				
	Offtake (mm)				
	20	25	32	40	50
50	10441	10443	-	-	-
80	10444	10445	10446	10447	10448
100	10430	10435	10449	10450	10436
150	10431	10437	10451	10452	10453
200	10454	10455	10456	10458	10459
225	10460	10461	10462	10463	10464
250	10465	10466	10467	10468	10469
300	10471	10473	10474	10475	10476
375	10477	10478	10479	10480	10481
450	81311	81312	81313	81314	10483

Poly Tapping Bands

- Mechanical tapping band
- Provides a means for the connection of service pipes from a pipeline
- Suited for use on all MDPE and HDPE pipelines
- Manufactured to AS/NZS4793/MP52-SPEC025
- Pressure rated to PN16



Size (mm)	PART No.				
	Offtake (mm)				
	20	25	32	40	50
50	13264	53882	15372	-	-
63	79804	79809	-	-	-
75	89094	89095	89096	89097	-
90	89098	89099	89100	89101	-
125	34282	89103	89104	11825	53980
160	89105	89106	89107	89108	89109
180	89110	89111	89112	89113	59861
200	-	-	-	-	89115
225	89116	-	-	89117	91165
250	89119	89120	89121	89122	89123
280	89124	-	89125	89126	89127
315	89128	89129	-	89130	89131

CAST IRON TAPPING BANDS

Multi Tap Tapping Saddles

- Fusion epoxy coated main body assembly for superior corrosion resistance, especially on CI/DI tappings
- Nitrile rubber lined stainless steel 316 band provides complete sealing
- Ideal for use in maintenance or where connecting to existing mains, especially when full pipe cannot be exposed
- Approved for use by Sydney Water in Metropolitan Sydney



Size (mm)	PART No.				
	Offtake (mm)				
	20	25	32	40	50
100	59379	59378	58182	88301	88302
150	88303	88304	58183	88305	88306

Taptite Tapping Bands

- Cast ductile iron construction coated with polymeric coating
- Custom designed spacer prevents over tightening particularly with PVC pipes
- Supplied complete with inliner bush for tuberculation free services
- Approved for use by Sydney Water in Metropolitan Sydney



Taptite Tapping Bands White PVC (Series 1)

Size (mm)	PART No. Offtake (mm) 20	25
100	88307	88308
150	88309	88310

Taptite Tapping Bands Blue PVC (Series 2)



- Also suited for use with CI/DI and AC water mains

Size (mm)	PART No. Offtake (mm) 20	25
100	57358	58014
150	85062	58015
200	85063	57643
250	59309	58039
300	59308	88319
375	58534	58535
450	38077	38078
600	-	16458

Redi Taps

- Designed for direct tapping into pipeline at time of construction
- Nylon fusion coated ductile iron
- Female BSP outlets
- Supplied with 4 outlets and 3 brass plugs
- Codes listed are to suit blue PVC, AC, CI/DI pipes, please enquire should you require white PVC suitability



Size (mm)	PART No. Offtake (mm) 20	25	50
100	64882	79781	37454
150	64912	78783	-
200	64942	79782	-
250	-	-	85249
300		-	85250

IRRIGATION STYLE POLY TAPPING BANDS



- For use on non-drinking or untreated water lines
- Suit metric poly pipe
- Common sizes listed only
- Other sizes available upon request, to suit up to 315 mm

Size (mm)	PART No. Offtake (mm) 20	25	40	50	100
40	10686	12658	-	-	-
50	79838	79830	-	-	-
63	79829	79837	-	-	-
75	-	-	-	79831	-
90	-	89132	79834	79828	-
110	-	89133	-	79836	-
125	-	-	-	79839	79833
140	-	-	-	79827	79835
160	-	-	-	79832	79826
200	-	-	-	54947	53753
250	-	-	-	56354	-

GLASS REINFORCED PLASTIC (GRP) TAPPING BANDS

- Ideal for cold water service connections in both irrigation and municipal applications
- High grade engineered glass reinforced plastic
- Stainless steel 316 bolts with anti-galling coating
- WSAA approval No. 06-03



White PVC (Series 1) GRP Tapping Bands

Size (mm)	Offtake (mm)	PART No.
50	20	89139
50	25	89140
80	25	89141
80	50	89142
100	25	89143
100	50	89144
150	25	89145
150	50	89146

Blue PVC (Series 2) GRP Tapping Bands

Size (mm)	Offtake (mm)	PART No.
100	20	89147
100	50	89148
150	20	89149
150	50	89150
200	50	89151



Copper GRP Tapping Bands

Size (mm)	Offtake (mm)	PART No.
40	20	89152
50	20	89153
50	25	89154



Metric PE GRP Tapping Bands

Size (mm)	Offtake (mm)	PART No.
63	25	79821
90	25	79823
90	50	79824
110	20	89134
110	25	89135
110	50	79825
125	20	89136
125	50	89137
160	20	89138
160	50	79822



STAINLESS STEEL TAPPING SADDLES

- Designed and manufactured in accordance with Watermark standards
- Fully constructed from stainless steel 316 for high corrosion protection
- Clamps fit a range of diameters and cater for pipe irregularities or ovality
- Fully passivated welds
- Nitrile rubber skin eliminates metal to metal contact
- Quick permanent way to tap into most pipe types up to 450 mm nominal bore
- Common sizes listed only, other sizing available upon request.



AVK

Size (mm)	Range (mm)	Length (mm)	PART No. Outlet (mm)				
			20	25	32	40	50
40	47-52	125	79856	99843	88295	-	-
50	59-64	125	54052	54082	88296	-	-
75	75-80	125	79853	79847	-	88299	-
80	88-98	125	79842	23761	79855	79852	79849
100	114-124	125	53872	53902	79848	79844	79854
100	120-130	125	85669	89077	89078	89079	89080
150	152-162	125	53932	53962	79846	79841	79850
150	168-178	125	53992	54022	79840	79845	79851
175	175-185	125	12215	12364	13962	-	-
200	215-235	200	89081	89082	89083	89084	59778
250	270-290	200	85360	85888	89085	89086	85889
300	315-335	200	89087	89088	89089	89090	85273

CT TAPPING SADDLES

- Designed for use with ductile iron, cast iron, steel, copper, asbestos cement, PVC and PE pipes
- Unique lip seal incorporates a stainless steel retaining disc
- Seals combine to allow perfect sealing on a range of diameters, oval or irregular pipes as well as flexing pipe walls, caused by pressurising/ depressurising
- Full stainless steel 316 skin and bolts with nitrile sealing gasket
- Manufactured and certified to AS/NZS4793.2009
- Common sizes listed only, other sizing available upon request.



Rapid

Size (mm)	Range (mm)	Length (mm)	PART No. Outlet (mm)				
			20	25	32	40	50
80	75-90	130	86618	86619	-	-	-
80	88-108	150	-	14587	86597	86620	86521
100	110-135	130	88322	86154	-	-	-
100	110-135	150	-	-	86600	88323	86520
125	135-160	130	86621	86622	-	-	-
125	135-160	150	-	-	86601	86623	86522
150	160-190	130	88324	88325	-	-	-
150	160-190	150	-	-	88326	88327	88328
175	190-220	130	86624	86625	-	-	-
175	190-210	150	-	-	86626	-	-
175	190-220	150	-	-	-	86627	86628
200	210-240	130	85446	88329	-	-	-
200	210-240	150	-	-	88330	88331	88332
225	240-270	130	55390	55062	-	-	-
225	240-270	150	-	-	55389	37998	-
250	270-300	130	15873	54429	-	-	-
250	270-300	150	-	-	-	37999	53905
300	330-360	130	88333	88334	-	-	-
300	330-360	150	-	-	85391	88335	88336
330	360-390	130	88337	88338	-	-	-
330	360-390	150	-	-	85390	88339	88340
375	420-450	130	88341	88342	-	-	-
375	420-450	150	-	-	88343	88344	85577
450	490-520	130	88345	58504	-	-	-
450	490-520	150	-	-	85389	88346	85828
500	550-580	130	11482	53674	-	-	-
500	550-580	150	-	-	-	-	54245
600	650-680	130	-	54658	-	-	-
600	650-680	150	-	-	85441	-	54246

TAPPED OFFTAKE CLAMPS

- Fast economical way to tap unstable pipes
- Ideal for repairing pulled services or damaged service connections
- Full stainless steel 316 construction with full circle nitrile rubber gasket
- Suitable for use on irregular or oval pipes
- Female BSP threaded socket
- 65, 80 and 100 mm BSP offtakes are available, please enquire
- Common sizes listed only, other sizing available upon request.



Rapid

Range (mm)	Length (mm)	PART No.				
		Outlet				
		20	25	32	40	50
46-55	150	57316	58675	-	86308	-
59-67	150	69802	69832	-	-	-
59-67	200	-	-	88395	59130	86288
75-83	200	52132	-	88396	59986	57934
85-93	200	88397	58458	88398	88399	57318
95-104	200	59024	88400	58598	59591	59906
113-120	200	53242	92881	79790	79789	53182
121-130	200	53362	53392	69862	79791	53422
121-130	300	10374	59034			53763
151-161	200	53272	53302	79793	79792	53332
160-170	200	59084	-	88401	88402	86539
174-183	200	69892	69922	79794	79795	69952
174-183	300	12860	-	-	-	54142
196-205	200	-	59170	-	10071	59193
202-212	200	57815	86033	-	-	58728
218-228	200	69982	70012	79797	79796	70042
229-238	200	70072	70102	79798	79799	70132
229-238	300	10240				54143
255-265	300	81270	89155	85460	89156	59496
281-290	300	11478	88404	-	-	59625
312-322	300	-	58208	-	-	85266
343-353	400	11480	-	-	-	86805
420-440	400	11481	86370			88408
450-470	400	-	88410	-	-	88411
490-510	400	54912	88413	-	-	88414
550-570	400	-	88416	-	-	88417
650-680	400	-	88419	-	-	88420
775-805	400	-	88422	-	-	59820
820-830	400	-	85232	-	-	88424

AVK

Range (mm)	Length (mm)	PART No. Outlet 20	25	32	50
110-120	200	12177	-	-	13228
114-124	200	32911	-	-	81038
120-130	200	17301	-	65768	-
120-130	300	65762	35769	-	-
175-185	200	-	-	-	29952
175-185	300	-	35770	-	-
215-225	200	99982	-	-	-
255-265	300	-	25769	-	

Derwent

Range (mm)	Length (mm)	PART No. Outlet 20	25	32	40	50
85-95	200	28397	38458	98398	98458	28099
95-105	200	29024	28400	98403	98404	29906
95-105	300					
110-120	200	25714	22177	92517	92518	29007
114-124	200	92880	22881	-	-	92882
120-130	200	25715	25716	25717	95717	25718
120-130	300	25724	25725	-	-	95718
160-170	200	25719	25728	-		25720
175-185	200	25721	25722	95217	95218	25723
175-185	300	25726	25727	-		-
230-240	200	94143	94145	-	-	94146

FLANGE OFFTAKE CLAMPS

- Ideal for under pressure tapping and connection of new 'T' branches
- Fully certified flange offtakes at 90° to main clamp
- Especially suited for installing hydrants and air valves to existing mains
- Avoids the need to cut out pipe sections, making supply shut offs and reconnections obsolete
- Will cater for pipe irregularities and ovality
- Complete stainless steel 316 construction with nitrile seal
- Common sizes listed, other sizing available on request

Flange Offtake Clamps – 1 Part
AVK

Range (mm)	Length (mm)	PART No. Outlet FL (mm) 80	100	150
175-185	400	-	17136	-



Rapid

Range (mm)	Length (mm)	PART No. Outlet FL (mm) 80	100	150
113-120	400	79862	79870	-
121-130	400	79863	79871	-
160-170	400	79864	79872	79878
175-183	600		16530	11493
175-185	400	79865	-	29879
195-205	400	88359	86415	88360
230-240	600	-	11485	11494

Flange Offtake Clamps – 2 Part

- All flange options are available, please enquire
- Common sizes listed, other sizing available on request

AVK

Range (mm)	Length (mm)	PART No. Outlet FL (mm)				
		80	100	150	225	300
120-130	400	70342	70372	-	-	-
175-185	400	70492	-	-	-	-
190-200	400	-	24577	-	-	-
215-225	400	-	-	79859	-	-
230-245	400	-	23487	-	-	-
285-305	600	-	-	-	88366	-
310-320	400	-	-	-	88370	-
330-350	600	-	-	-	-	88374

Rapid

Range (mm)	Length (mm)	PART No. Outlet FL (mm)					
		80	100	150	200	225	250
215-225	400	79857	79858	-	79860	-	-
225-235	600	-	-	17255	65573	-	-
230-240	400	79861	70582	70612	-	-	-
250-261	400	79890	79892	79894	-	-	-
250-261	600	-	-	-	79896	-	-
279-290	400	79891	79893	79899	-	-	-
279-290	600	-	11486	-	79897	-	88362
285-305	400	88363	88364	79895	88365	-	-
285-305	600	-	-	-	-	-	88367
310-320	400	85962	85958	88368	88369	-	-
310-320	600	-	-	-	-	88371	-
330-350	400	85963	85959	56813	-	-	-
330-350	600	14049	11487	11496	86435	88372	88373
340-360	400	-	-	80390	-	-	-
340-360	600	-	-	14050	-	-	-
400-420	400	88375	81612	81613	-	-	-
400-420	600	-	-	-	88376	-	-
420-440	400	88379	59149	58815	88380	-	-
420-440	600	-	11488	11497	-	-	-
450-470	400	88383	88384	88385	-	-	-
450-470	600	-	-	-	-	-	88387
490-510	400	88389	88390	59051	-	-	-
490-510	600	-	-	-	88391	-	88393
505-525	400	-	-	10806	-	-	-
505-525	600	-	11489	11498	58710	-	-
550-570	400	-	54126	28455	-	-	-
550-570	600	-	11490	11499	-	-	-
570-590	400	-	28456	13226	-	-	-
590-610	400	98432	28432	-	-	-	-

Flange Offtake Clamps – 3 part

- Common sizes listed, other sizing available on request

Rapid

Range (mm)	Length (mm)	PART No. Outlet FL (mm)		
		80	100	150
560-590	400	-	**11321**	-
650-680	400	**35039**	**38554**	**12159**
650-680	600	**54037**	**56372**	**11500**
810-840	600	-	**53927**	**11501**



OB Offtake Clamps

- Fast, permanent sewer branch connections
- Ideal for repairing or reconnecting sewer junctions
- Great for providing property branches on relined sewer mains
- Standard access coupling fitted for easy, convenient solvent weld connections
- Will not interfere with or affect CCTV pipe inspections
- High corrosion protection provided by full stainless steel 316 construction
- Suitable for use on irregular or oval pipes
- Products listed have 45° branch
- Also available with 90° branch
- Common sizes listed, other sizing available on request



AVK

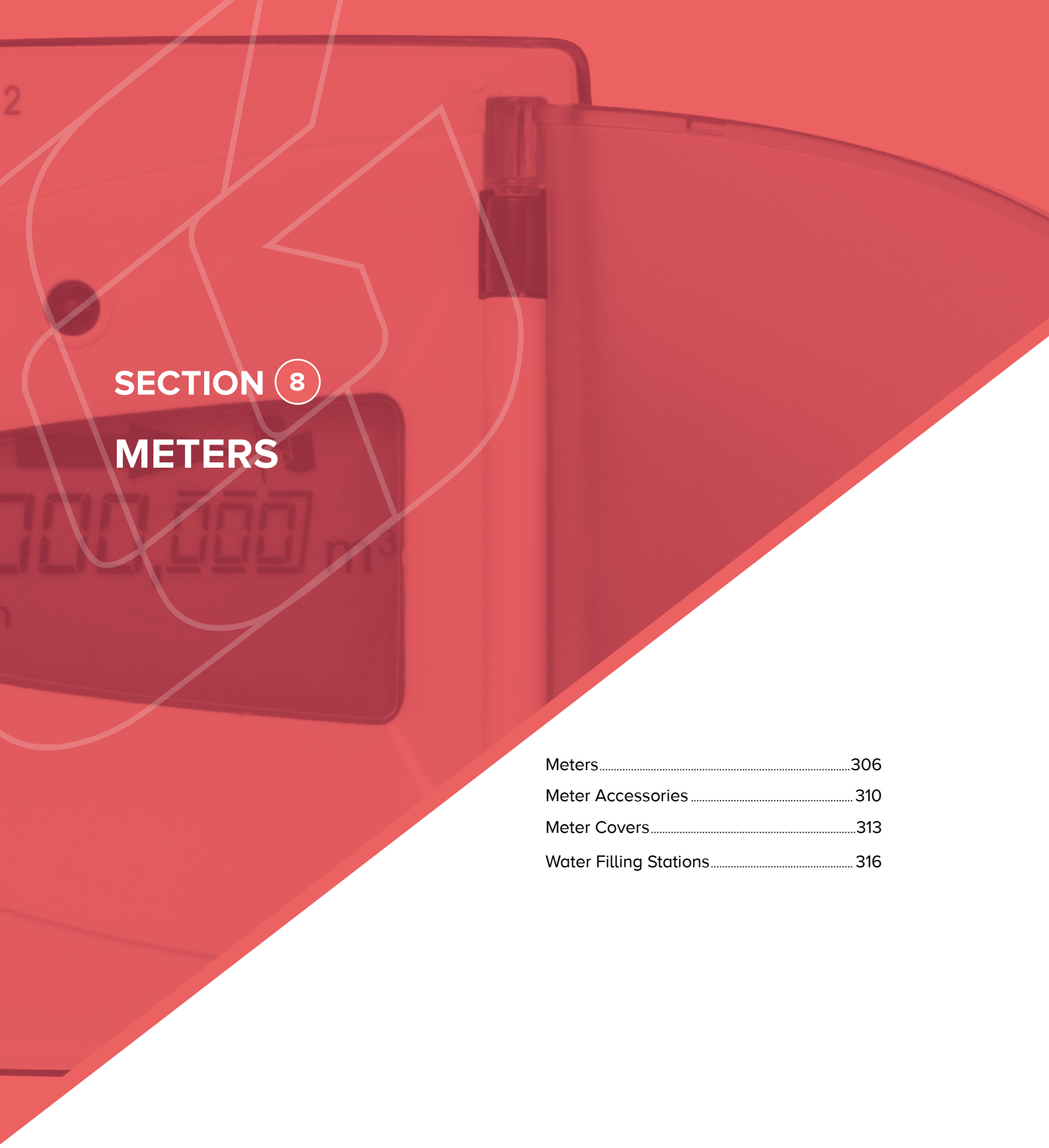
Range (mm)	PART No. Outlet FL (mm)	
	100	150
160-170	**28864**	**88427**
175-185	**26266**	**88428**
190-205	**28429**	**25798**
245-255	**58631**	**88430**
270-280	-	**53706**
275-285	-	**19788**
310-330	-	**57267**
340-350	-	**88434**
355-375	-	**56881**

Derwent

Range (mm)	PART No. Outlet (mm)	
	100	150
160-170	**58864**	**98427**
175-185	**86266**	**95264**
190-200	**88429**	**95265**
245-255	**25631**	**95266**
255-265	**95261**	**95267**
275-285	**95262**	**95268**
310-320	**95263**	**95269**

Rapid

Range (mm)	PART No. Outlet FL (mm)	
	100	150
190-205	-	**85798**
250-270	-	**16896**
270-290	-	**16887**
310-320	**88431**	-
355-375	**14237**	-
395-405	**88436**	**88437**
420-430	**88439**	**88440**
445-465	-	**12498**
580-600	-	**86445**
625-645	-	**86418**



SECTION 8

METERS

Meters 306
Meter Accessories 310
Meter Covers 313
Water Filling Stations 316

WATER METERS

Multijet Water Meters

- Robust device for use by Water Authorities operating water supply networks on a user pays basis
- Reading face, including rollers are encapsulated in a protective silicon oil filled chamber which prevents fogging and discolouration from trapped particulate in the metered water supply
- Low friction mechanism for higher mechanical durability and inherent resistance to choking with large port clearances
- Long term meter accuracy, essential for maintaining charging equity
- Extended service life providing significant long term cost savings for Water Authorities
- Direct drive mechanism, no magnetic coupling protecting device from magnetic interference
- Pulse capable
- Internal non-return valve and strainer with integral dual check valve backflow complying to AS2845.1
- Conformance to AS3565

BSP MULTIJET WATER METERS



Potable BSP Multijet Meters

Size (mm)	Check	Length (mm)	PART No.
20	Dual	154	**14692**
25	Dual	178	**80494**

Non-Potable BSP Multijet Meters

- Lilac coated to ensure easy identifi



Size (mm)	Check	Length (mm)	PART No.
20	Dual	154	**79905**
25	Dual	178	**79906**

Meter Thread Multijet Water Meters



Size (mm)	Check	Length (mm)	PART No.
20	Single	154	**79940**
25	Single	178	**79941**
20	Dual	154	**14422**
25	Dual	178	**14512**

NSW Multijet Water Meters



Size (mm)	Check	Length (mm)	PART No.
20	Dual	152	**14452**
25	Dual	173	**14542**

VOLUMETRIC WATER METERS

- Also referred to as positive displacement (PD) meters
- Robust domestic meter suited to internal and external use
- Measures the volume of cold potable water passing through the pipeline
- Three component volumetric mechanism with high sensitivity registration throughout a wide flow range
- Corrosion resistant body
- Liquid sealed register for easy and long term clear reading
- Low starting flow rate, allowing accurate reading at a wider range of supply flow rates
- Pulse capable
- Internal non-return valve and strainer, integral dual check valve backflow to AS2845.1
- Metrological Certification NMI No. 14/3/9
- Conformance to AS3565

Meter Thread Volumetric Water Meters



Size (mm)	Check	Length (mm)	PART No.
20	Dual	154	**75702**
25	Dual	178	**75732**

NSW Volumetric Water Meters



Size (mm)	Check	Length (mm)	PART No.
15	Single	165	**58927**
25	Dual	173	**75612**

MULTIJET FLANGED WATER METERS

- Robust device for use by Water Authorities operating water supply networks on a user pays basis
- Reading face, including rollers are encapsulated in a protective silicon oil filled chamber which prevents fogging and discolouration from trapped particulate in the metered water supply
- Low friction mechanism for higher mechanical durability and inherent resistance to choking with large port clearances
- Long term meter accuracy, essential for maintaining charging equity
- Extended service life providing significant long term cost savings for Water Authorities
- Direct drive mechanism, no magnetic coupling protecting device from magnetic interference
- Pulse capable
- Suited for use on all potable water lines, not suited for use with raw water
- Conformance to AS3565

Oval Multijet Flanged Water Meters

Size (mm)	Length (mm)	PART No.
32	190	**14872**
40	232	**14932**



Round Multijet Flanged Water Meter

Size (mm)	Length (mm)	PART No.
50	311	**72252**



VOLUMETRIC FLANGED WATER METERS

- Positive displacement volumetric rotary piston
- Registers accurately even at very lowest rates of flow
- Can be installed horizontally, vertically or on inclined lines without affecting accuracy
- Highly engineered plastic internals minimise wear whilst maintaining reliability
- Fine mesh filter to prevent foreign particles from damaging meter mechanism
- Requires no calibration during normal meter service life
- Supplied complete with flange kits to suit



Size (mm)	Length (mm)	PART No.
32	189	**85548**
40	231	**85628**
50	300	**58605**



HOT WATER HELIX METER

- Suits hot water up to 90°C/PN16
- Available in DN40 to DN400
- Hermetically sealed register (IP 68)
- High overload capability
- Powder coating affords maximum corrosion protection
- Not affected by external magnetic fields

Size (mm)	PART No.
65	**35874**
80	**53779**
100	**53780**
150	**53781**
200	**53783**



MEISTREAM PLUS CLASS C BULKMETERS

- For measurement for billing of cold potable water up to 50°C at all flow rates
- Can be used for leakage control
- Available in DN40 to DN150
- Meter with MID pattern approval accurate to annex MI001
- Exchangeable metrological unit with MID pattern approval accurate to annex MI001
- Unique measuring range Q3/Q1 ≥ 315 in horizontal installation
- High overload capability
- No straight inlet length necessary (U0D0 accurate to OIML R49 and EN 14154)
- Meter body in short (WP) and long (WS) overall length accurate to DIN 19625 and EN 14154 available
- Meter can be submerged, protection class IP68
- Used materials are temperature resistant up to 70°C
- Register prepared for HRI-Mei pick-up
- Use of optical pulsers type OD is still possible

Size (mm)	PART No.
40	**54302**
50	**54364**
80	**54198**
100	**54199**
150	**12821**



IPERL SMART WATER METERS (NMI R49 APPROVED)

- Static electromagnetic meter with remnant magnetic technology
- SensusRF is an advanced 'walk-by/driveby' radio system for retrieving data from meter endpoints and providing it for further processing and analysis, creating information for billing and network management
- Sensus RF is an optimised license-free radio communications system for battery powered endpoints
- Sensus RF provides a pathway to move from mobile-read to fixed infrastructure for remote reading without any changes to endpoints
- Available for operation at 433 MHz and 868 MHz and is OMS compatible
- Please note, due to the variations of specific requirements and options available, please contact us to discuss your needs



Meter Thread Iperl Water Meters

- Available in Multiple lengths please advise required measurement

Size (mm)	PART No.
20	14557
25	16873

NSW Iperl Water Meters

- Available in Multiple lengths please advise required measurement

Size (mm)	PART No.
20	16351
25	18955

NSW Iperl Water Meters

- Available in Multiple lengths please advise required measurement

Size (mm)	PART No.
40	18969
50	15946

IRRIGATION METERS

- Ideal for full pipe, fully developed flow
- High flow, choke resistant, robust design
- In-line helical rotor
- Clear glass encased reading capsule for easy meter reading
- Steel counter housing and lid to provide rugged protection for meter register
- Full epoxy coated cast iron construction
- Pulse capable
- Tolerant to use with water containing low to medium levels of foreign particles such as sand or silt
- Flanges are drilled to AS2129
- Maximum working temperature 50°C and maximum working pressure 1,400 kPa





Size (mm)	Length (mm)	PART No.
50	200	79913
65	200	57672
80	225	79911
100	250	79909
150	300	79912
200	350	79910

HELIX WATER METERS

- Cast iron polyester coated body
- Stainless steel registers encapsulated in glass, guaranteed against fogging
- Unique design enabling meter to handle high loads, with maximum water temperature 60°C and maximum working pressure 1,600 kPa
- High accuracy from very low to very high flows
- Double magnetic transmission
- Long life due to balanced impeller preventing wear of bearings and maintaining high accuracy
- Fully compliant to ISO4064, AWWA, EEC and flanges are according to Australian Standard, Table C/D

Short Helix Water Meters





Size (mm)	Length (mm)	PART No.
50	200	14572
65	200	58297
80	230	14602
100	250	14632
150	300	14662
200	350	79918

Long Helix Water Meters



Size (mm)	Length (mm)	PART No.
50	311	16682
80	413	20412
100	483	34162
150	500	79916
200	520	79917

OCTAVE WATER METERS

- Dual beam ultrasonic technology for precise and ultra reliable metering
- Excellent long term stability and reliability
- Extremely sensitive and accurate in low flows
- Bi-directional flow, including bi-directional output readings
- Has both superior hydraulic performance as well as advanced alert, data and statistical features
- Automated meter reading (AMR) and cellular networks ready
- Cast iron construction, epoxy coated
- Complies with all potable water standards







Size (mm)	Style	Length (mm)	PART No.
50	Threaded	300	88073
50	Flanged	200	88074
65	Flanged	200	88093
80	Flanged	225	88094
100	Flanged	250	86740

ELECTROMAGNETIC FLOWMETERS

ABB® AquaMaster™ Flowmeters

- Designed specifically for the water industry
- Enables more efficient and cost-effective operation
- Outstanding performance, innovative features and user benefits, coupled with low cost of ownership, ensures first choice use for all district metering, bulk revenue, trunk mains, irrigation and treatment works applications
- Totaliser readings via the industry standard inductive pad reader
- Measures minimal night flows and peak day flows
- Accurate in horizontal, vertical and any angle orientation applications
- Does not require any straight pipe preceding or proceeding the meter
- Sealed for life transmitter, water and dust proof to IP68 standard
- Supplied complete with transmitter, batteries, cable and display according to individual applications



Size (mm)	Length (mm)	PART No.
40	200	58568
50	200	88095
80	200	88097
100	250	88098
150	300	88275
200	350	88197
250	450	88285
300	500	57972
350	550	88286
400	600	88287
450	698	57970
500	768	88288
600	918	88289

Euromag Flowmeters



- Euromag present a full range of electromagnetic flow meters with wafer and flanged versions to meet all billing, water supply, mining, process control and irrigation applications in Australia
- Approvals such as OIML-49 and Australian pattern approval to NMI 10-1 ensure that there is a product in the range to suit all applications
- Available in sizes from 50-400 mm
- Available with various power supply options
- Available with a full range of options



ABB® WaterMaster™ Flowmeters

- Designed specifically for use in the water and wastewater industry
- Operating flow range with ±0.4% accuracy as standard (±0.2% optional) in both forward and reverse flow directions
- Rugged, robust sensors to ensure a long, maintenance-free life under arduous conditions
- Sensors are inherently submersible (IP68, NEMA 6P) ensuring suitability for installation in chambers and meter pits which are liable to flooding
- Self calibrating transmitter and ultra-low temperature coefficient ensure highest accuracy
- Octagonal full bore flow sensor reduces sensitivity to flow profile disturbances
- Approved for use in any pipe direction orientation



Size (mm)	Length (mm)	PART No.
80	200	58278
100	250	59161
150	300	59172
200	350	58672
250	450	59173
300	500	58830
350	550	88290
375	550	59795
400	600	88291
450	698	88292
500	768	88293
600	918	88294

WATER METER ACCESSORIES

WATER METER COUPLINGS

Standard Water Meter Couplings

- Forged DZR brass construction
- Complies with all potable water regulations
- Supplied with washers where applicable

BSP Meter Couplings

- Male BSP thread outlet
- Female BSP loose nut

Size (mm)	Length (mm)	PART No.
20	45	79908
25	55	79907

79908



Meter Thread Meter Couplings

- Male BSP thread outlet

36502



Size (mm)	Type	Length (mm)	PART No.
20	Standard	45	57503
20	Security	55	36502
25	Standard	55	36532

NSW Meter Couplings

36472



57355



36442



Size (mm)	Unit	Type	Length (mm)	PART No.
20	Each	Female	35	43182
20	Each	Female	65	36442
20	Pair	Female	65	57355
25	Each	Female	75	36562
20	Each	Male	30	36472
20	Pair	Male	35	59203
25	Each	Male	40	36232

Adjustable Meter Couplings

- Allows meter installers flexibility in fixed meter installations
- Cost effective retrofit solution for hard to replace 20 mm meters
- Long life performance through high quality components
- Forged DR brass body
- Internal double O-ring seals

NSW Adjustable Meter Coupling

Size (mm)	Length (mm)	PART No.
20	87-93	20092



BSP Coupling Extension

- Male x female BSP extension piece for extending couplings
- Suitable for use with all male couplings

Size (mm)	Length (mm)	PART No.
20	130	81006



METER WASHERS

Durothane Meter Washers

- Perfect sealing for all NSW (ball joint) and Schlumberger® meters and couplings
- Long wearing
- Fully compliant with all potable water regulations



Size (mm)	Suits Meter Type	Inside Ø(mm)	Outside Ø (mm)	Part No
20	NSW	17	36	**75822**
25	NSW	26	40	**75852**

Plastic Meter Washers

- Suitable for use with NSW (ball joint) meters and couplings



Size (mm)	Inside Ø(mm)	Outside Ø (mm)	Part No
20	19	32	**76002**
25	26	39	**76032**

Rubber Meter Washers

- Suited for use with BSP and meter thread meters and couplings



Size (mm)	Inside Ø(mm)	Outside Ø (mm)	Part No
20	23	30	**75942**
25	30	38	**75972**

METER BREECHES

- Ideal for temporary water supply, when meter is removed for testing or replacement
- Exact length of standard water meter
- Branched options allow for hose cock or temporary water line to be installed for non metered onsite water use

Meter Thread Meter Breech

Size (mm)	Length (mm)	PART No.
20	150	**79914**



NSW Meter Breeches

Size (mm)	Length (mm)	PART No.
20	150	**85691**
25	180	**20362**



Meter Thread Branched Male Meter Breech

- Male BSP branch, ideal for connecting hose couplings etc

Size (mm)	PART No.
20	**81149**



NSW Branched Male Meter Breech

- Male BSP branch, ideal for connecting hose couplings etc

Size (mm)	PART No.
20	**81150**



NSW Branched Female Meter Breeches

- Female BSP outlet, suits adaption to hose cocks, ball valves

Size (mm)	PART No.
20	**60182**
25	**85692**



Hose Cock NSW Meter Breeches

- Supplied complete with 20 mm hose cock, ideal for temporary water connections

Size (mm)	PART No.
20	**16889**
25	**85690**



METER KITS

Mains to Meter Kits

- Suitable for most service connections in subdivisional projects
- Designed for use with both Redi Tap connectors and all styles of 20 mm tapping bands
- Also available customised to your specific project needs, please enquire

Service Inlet Units

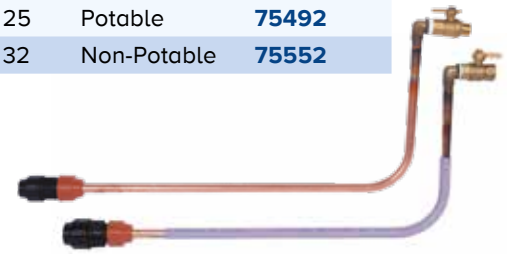




Size (mm)	Style	PART No.
20 x 25	Potable	**75462**
20 x 32	Non-Potable	**75522**

Service Riser Units

Size (mm)	Style	PART No.
20 x 25	Potable	75492
20 x 32	Non-Potable	75552



Recycled Half Kit

- Complete domestic recycled hose tap kit for use in areas with recycled water programs



Size (mm)	PART No.
20	58749

METER FLANGE KITS

Oval Meter Flange Kits

- Kits include flange, gasket, 2 x galvanised bolts, nuts and washers
- Fully compliant with all potable water regulations



Size (mm)	PART No.
32	36262
40	36292
50	81119

Round Meter Flange Kits

- Kits include flange, gasket, 4 x galvanised bolts, nuts and washers
- Fully compliant with all potable water regulations
- Also available with stainless steel bolts



Size (mm)	PART No.
50	36352
65	81161
80	36322
100	36382
150	36412

PULSE COUNTERS

- 1 per 10 L
- Suited for use with multijet, helix and irrigation meters
- Transmits pulse to remote reader for easier reading or data logging applications
- Please specify brand of meter at time of order



Suits Size (mm)	PART No.
20-40	59804
50	58835
65	59803
80	58990
100	58727
150	59415

ANTI TAMPERING DEVICE (SET)

- Sturdy plastic tampering detection device that is clipped over the meter coupling
- Deters water theft
- Supplied in pairs, 1 pair required per coupling
- Suits most 20 mm couplings
- A range of steel meter lock out devices and kits are available, please contact us with your requirements



PART No.	10022

METER RESTRICTORS

- Restricts the flow of water going into a property
- Ideal for non or slow payers
- Quickly achieves what the debt collectors are struggling to do
- Simple to install and remove
- Most popular restrictors are listed, however restrictors can be ordered with varying flow rates, entirely dependent on application, please enquire
- When ordering, we strongly recommend that you supply us with a coupling to ensure that we supply the correct restrictor

BSP Meter Restrictors

Size (mm)	Flow (L)	PART No.	
		Female BSP	Male x Female BSP
20	0.5	86814	87223
25	0.5	87221	87224
20	0.8	86815	87225
25	0.8	87222	87226



Meter Restrictor Removal Tool

- Removes restrictors from meter couplings
- Suits all meter restrictors
- Small and easy to store



PART No.	52192

Meter Restrictors



Size (mm)	Flow (L)	PART No.						
		TIES	TIGW	TIPVC	TIPVCA	TIRMC	TISEW	TISW
20	0.4	-	87183	87189	87196	87203	87210	87218
25	0.4	85321	-	-	-	-	-	87219
20	2.0	-	86246	58846	87198	87205	87212	57472
25	2.0	87180	-	-	-	-	-	57473
20	3.2	-	87185	58717	87200	59347	87214	57303
25	3.2	59322	-	-	-	-	-	57304
20	9.0	-	87187	87194	57179	87208	85317	87220
25	9.0	85318	-	-	-	-	-	58661

METER COVERS

ABOVE GROUND METER COVERS

Helmet Cover

- Plastic helmet shaped cover, used to protect water meters from freezing
- Suits all above ground 20/25 mm meters
- 210 mm long x 160 mm high

Size (mm)	PART No.
20-25	15022



Suitcase Covers

- Suitcase shaped cover, used to protect water meters, DCVs, RPZDs and pipe work from freezing
- Suits most above ground 20/25 mm meters
- Available in recycled black or new green plastic material
- 180 mm wide x 510 mm long

Colour	PART No.
Black	41982
Green	15292



Big Brother Covers

- Large plastic cover, used to protect water meters, DCVs, RPZDs from freezing or weathering
- Inbuilt handles for easy removal and lifting
- Suits all above ground 20/25 mm meters, especially when used with DCV/RPZD assemblies
- Available in recycled black or new green plastic material
- 180 mm wide x 1,000 mm long x 490 mm high



Colour	PART No.
Black	**53512**
Green	**57549**

UNDERGROUND METER COVERS

Standard Draper Covers

- UV Resistant, high density polyethylene covers
- Robust yet lightweight, specially designed to withstand light vehicle load
- Easy installation
- Bee-proof lid, complete with locating strips and securing chain
- Fully compliant to AS24434
- Supplied with green plastic lids, other options available, please enquire

Inside Dimensions (mm)	Low	High
Base Width	170	170
Base Length	335	335
Top Width	200	200
Top Length	360	360
Height	230	280

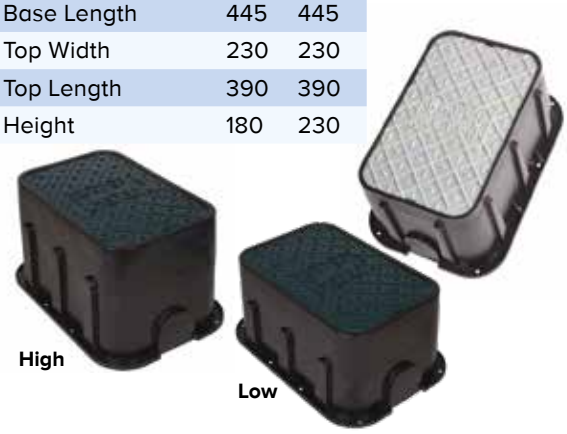
Size (mm)	PART No.
Low	**15262**
High	**15232**



Reverse Taper Draper Covers

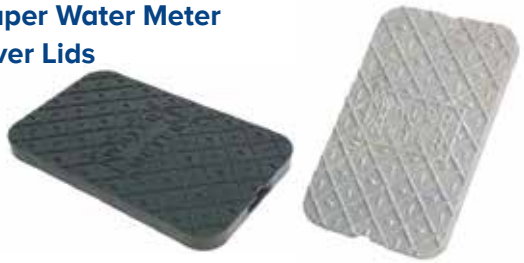
- UV Resistant, high density polyethylene covers
- Robust yet lightweight, specially designed to withstand light vehicle loads
- Easy installation
- Bee-proof lid, complete with locating strips and securing chain
- Fully compliant to AS24434
- Reverse taper sides increase area around meter and minimise movement
- Removable inlet/outlet ports
- Available with a cast iron lid for industrial or high traffic areas

Inside Dimensions (mm)	Low	High
Base Width	390	390
Base Length	445	445
Top Width	230	230
Top Length	390	390
Height	180	230



Size	Lid Colour	Lid Type	Part No.
Low	Blue	Plastic	**15113**
Low	Galvanised	Cast Iron	**75642**
Low	Green	Plastic	**15112**
Low	Lilac	Plastic	**81611**
High	Blue	Plastic	**15118**
High	Galvanised	Cast Iron	**75682**
High	Green	Plastic	**15082**
High	Lilac	Plastic	**44802**

Draper Water Meter Cover Lids



Style	Colour	Part No.
Water Meter	Blue	**34172**
Water Meter	Cast Iron	**79901**
Water Meter	Green	**41952**
Water Meter	Lilac	**81629**
Irrigation	Green	**41962**

Draper Cover Extension

- Extends height and increases base area of meter cover
- Suitable for use with all reverse taper Draper covers
- New UV stabilised plastic material
- 535 mm long x 375 mm wide x 150 mm high





PART No.	20452

Standard Meter Covers

- High quality recycled plastic
- Fully Australian made
- Slip resistant wear pattern on lid
- Bolt down lid, prevents vandalism
- Available with a variety of lid styles
- Also available with meter reading flap for easy meter reading access







Lid Style	Part No.
Inset	15202
Overlay	79900
Inspection	58241

Dimensions (mm)	
Base Width	395
Base Length	550
Top Width	300
Top Length	430
Height	300

Jumbo Meter Cover

- High quality recycled plastic
- Fully UV stabilised
- Australian made
- Bolt down lid, available with anti-vandal bolting upon request

PART No.	15052

Dimensions (mm)	
Base Width	440
Base Length	610
Top Width	385
Top Length	540
Height	300



Big Jumbo Cover

- UV stabilised, recycled plastic construction
- Dual bolt down ports
- Lifting lug for removing lid
- Non slip lid
- Lids and bases are available separately

PART No.	14992

Dimensions (mm)	
Base Width	490
Base Length	725
Top Width	420
Top Length	660
Height	400



Super Jumbo Cover

- UV stabilised, recycled plastic construction
- Dual bolt down ports
- Lifting lug for removing lid
- Non slip lid
- Lids and bases are available separately

PART No.	15322

Dimensions (mm)	
Base Width	585
Base Length	920
Top Width	435
Top Length	895
Height	400



Ford® Gulf Meter Cover

- Heavy duty cast iron, trafficable cover
- Ideal for use in footpaths
- Low maintenance, vandal proof
- Ford® cover key supplied with every cover
- 232 mm long x 178 mm wide x 237 mm high



PART No.	59513

Ford® Yoke Meter Cover

- Heavy duty cast iron underground meter cover
- Ideal for use in footpaths, driveway and civic areas
- Fully enclosed, bolt on base
- Spring loaded locking lid
- Supplied complete with quick release meter connections and Ford® cover key
- 252 mm long x 181 mm wide x 273 mm high

PART No.	59512



Meter Cover Key

PART No.	80504



WATER FILLING STATIONS

Designed and Manufactured in Australia for the Australian Landscape:

- Configured to meet local requirements
- Council sustainability objectives met
- Payment options: credit, debit, account card, stored value card, coin and token
- Two outlets; one outlet for R.V.s and public use, one for tankers. Now a container can be filled with a garden hose, right through to large water tankers utilising high volume pipes; all from the one machine
- Modular construction - replaceable electronics plug-in and can be remotely serviced by unskilled staff
- Plumbing is contained in the base, electronics in the top
- Available 24 hours or nominated hours only
- Optional battery backup with optional solar power
- Online management providing live reporting and remote diagnostics
- Anti-vandal construction
- Insect repellent
- Designed for heat mitigation making them suitable for Australia's hot climate
- Small in size making them easy to move to another site if required







Model	Size (mm)	Part No.
WD2000	20/25	17111
WD2500	25/50	17112
WD300N	25/80	17113
WD300N	25/100	17114

SECTION 9

CONCRETE PRODUCTS

FRC & Concrete Pipe 318
Pits, Grates & Lids 319
Headwalls & Kerb Entry Lintels 321
Concrete Valve & Hydrant Lids 324
Box Culverts 324

FRC & CONCRETE PIPE

FIBRE REINFORCED CONCRETE (FRC) STORMWATER PIPE

- Manufactured from high performance, lightweight reinforced concrete composite material
- Ideal for below ground stormwater drainage in road infrastructure, residential subdivision and commercial property development applications
- Fast to install with 4 m lengths and a low insertion force ring system
- Approximately half the weight of conventional concrete pipes
- More economical delivery and installation costs
- FRC+ is available upon request



Vpipe

Size (mm)	PART No.		
	CL2	CL3	CL4
225	58641	-	54105
300	58370	83022	55318
375	58551	83023	58368
450	58552	83024	55068
525	58640	83025	83031
600	58553	83026	86691
675	54482	83027	83033
750	86390	83028	83034

Vpipe +

Size (mm)	PART No.		
	CL2	CL3	CL4
225	16834	-	16837
300	16839	16840	16841
375	16842	16843	16844
450	16833	16845	16846
525	16832	16847	16848
600	16801	16849	16850
675	16851	16852	16853
750	16857	16858	16859

CONCRETE STORMWATER PIPE

- Steel reinforced concrete
- Available in lengths of 2.34 and 2.44 m
- Manufactured and factory tested to AS/NZS4058:2008
- Pipe listed is rubber ring joint (RRJ) but is available in flush joint if required
- Available up to 3,600 mm diameter ex-stock, larger sizes can be specially manufactured



Size (mm)	PART No.		
	CL2	CL3	CL4
300	83000	83006	58233
375	83001	54826	83015
450	83002	54121	59675
525	36279	54827	83016
600	58867	83010	83017
675	83003	83011	83018
750	59398	83012	83019
825	83004	83013	83020
900	36281	83014	83021
1050	86605	14917	13214
1200	53736	14918	54339

PITS, GRATES & LIDS

GLASS REINFORCED CEMENT (GRC) STORMWATER PITS

- Composite concrete and fibreglass construction
- Easy to handle and fast to install
- 1/10 the weight of traditional concrete
- Can be used wherever traditional concrete is required
- Will not shatter like polymer concrete
- Smooth surface to aid water flow
- Does not require concrete encasement or collars
- Engineered for all load ratings, highways etc.
- Approved for depths of up to 5 m
- Easy pipe entries, does not require core drilling or knockouts
- Virtually impermeable to water, ideal for use as drainage items without waterproofing
- No steel reinforcing therefore no corrosion or concrete cancer
- Manufactured to all relevant Australian Standards and Regulations



Glass Reinforced Cement (GRC) Stormwater Pits

Length (mm)	Width (mm)	Height (mm)	PART No.
450	450	500	**12296**
600	600	500	**86488**
600	600	800	**13414**
900	900	600	**12299**
900	900	750	**86761**
900	900	900	**12298**
1200	1200	900	**54317**
450	450	500	**12296**

Glass Reinforced Cement (GRC) Stormwater Pit Risers

Length (mm)	Width (mm)	Height (mm)	PART No.
600	600	175	**11541**
900	900	175	**12429**
900	900	300	**86764**
900	900	600	**86763**
900	900	900	**86762**
1200	1200	300	**54617**
1250	450	300	**12522**

Glass Reinforced Cement (GRC) Stormwater Pits and Grates

Length (mm)	Width (mm)	Height (mm)	PART No.
600	No	B	**86489**
450	Yes	B	**12297**
900	Yes	B	**86765**

CONCRETE STORMWATER PRODUCTS

- High quality wet cast concrete
- Precast components for faster installation
- Trafficable
- Versatile and adaptable to all applications
- Reduced environmental impact due to less waste at site
- Fully compatible with concrete, PVC and FRC pipes
- Custom design service available, please enquire





85197 **59304**

Concrete Pits

Length (mm)	Width (mm)	Height (mm)	PART No.
450	450	450	**59304**
600	600	600	**58558**
600	600	750	**85197**
600	600	900	**38024**
600	900	600	**56352**
900	900	600	**15888**
900	900	750	**14366**
900	900	900	**58234**
900	900	1050	**13304**
900	900	1200	**15316**
1200	1200	600	**15343**
1200	1200	900	**11229**
1200	1200	1200	**55426**
1200	1200	1350	**38678**
1200	900	900	**42157**
1500	1500	900	**15344**
1500	1500	1500	**32487**

Concrete Pit Risers



Length (mm)	Width (mm)	Height (mm)	PART No.
450	450	150	59305
450	450	300	56220
600	600	150	57795
600	600	300	58229
600	600	450	58491
600	600	600	58472
900	600	150	10159
900	600	300	53725
900	600	600	10161
900	900	150	58330
900	900	300	58557
900	900	450	86830
900	900	600	57476
900	900	750	85271
900	900	900	18652
900	900	950	57477
900	900	1150	85419
1200	900	150	42159
1200	900	300	15765
1200	1200	150	36287
1200	1200	200	95349
1200	1200	300	54362
1200	1200	450	36288
1200	1200	600	85350
1200	1200	750	85272
1200	1200	900	11230
1200	1200	1200	85349
1500	1500	230	15345
1500	1500	900	36289
2600	900	300	54247

GALVANISED GRATES

Drop in Grate



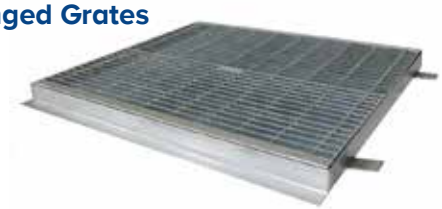
Length (mm)	Width (mm)	PART No. Class A	Class B	Class D
450	450		86056	18156
600	600	57794	18187	59164
600	900	12774	18175	10160
900	900	10754	58473	59163
1200	1200		55427	

Surcharge Grates



Length (mm)	Width (mm)	PART No.
600	600	58560
900	600	38022
900	900	58559
1200	900	12831
1200	1200	12845

Hinged Grates

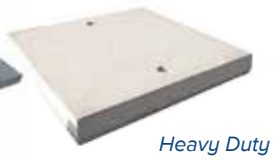


Length (mm)	Width (mm)	Drop In	PART No. Class A	Class B	Class D
450	450	No	83067	55428	55432
600	600	No	83068	59511	55430
900	600	No	-	83055	85056
900	900	No	16870	55429	55431
1200	1200	No	-	11763	-
600	600	Yes	-	94448	34448
600	900	Yes	-	-	34447

PIT LIDS



Medium Duty



Heavy Duty

Size (mm)	PART No.		
	Class		
	A	B	D
450	55441	-	-
600	55442	-	86709
900	48797	57286	55443
1200	-	-	36286

Pit Lids with Inserts



Lid Size (mm)	Insert Size (mm)	Insert	PART No.	
			Class	
			B	D
600	600	Concrete	13274	-
900	900	Concrete	13272	13273
900	450	Cast Iron	55448	55449
900	600	Cast Iron	54792	55450
600	450	Grate	55446	55447
900	600	Grate	86363	55061
1200	900	Grate	65987	10415

Headwalls

- Please note, all sizes are available up to 1800 mm as well as angled, double and triple cell headwalls upon request





Size (mm)	PART No.		
	Single	Double	Triple
150	82328	-	-
225	58644	65608	-
300	58235	-	-
375	85196	-	-
450	85569	12684	-
525	58643	18176	-
600	86690	16660	-
750	14765	12058	-
1200	14767	54340	-
1500	36282	-	-

Kerb Entry and Lintel Units

Size (m)	Entry	PART No.	
		Class	
		B	D
1.2	Centre	58246	95831
1.8	Centre	58156	85833
2.4	Centre	58111	85834
3.0	Centre	53673	-
1.2	Left	86851	-
1.8	Left	58244	85831
2.4	Left	86853	85836
3.0	Left	58563	-
1.2	Right	86852	-
1.8	Right	58245	85832
2.4	Right	58562	85835
3.0	Right	10764	-



Lintels

Description	PART No.
Lintel Only 1.8m clear opening	54122
Lintel Only 2.4m clear opening	86130
Lintel Only 3.0m clear opening	54123
Lintel Lid, Housing Commission	10757
Lintel Surround, Housing Commission	10756
Lintel Unit, Housing Commission	10758



SEWER COMPONENTS

CONCRETE MANHOLES

- Full range of concrete manhole components stocked, please enquire
- Custom designed products available, please enquire
- System requires base to be cast separately, however precast bases are available

Manhole Chambers

- Steps style does not include steps, only provision for them





Height (mm)	Diameter (mm)	PART No.	
		Steps	No Steps
300	1015	13380	14037
350	1015	64444	57804
500	1015	85071	58152
600	1015	13381	14116
700	1015	55589	58222
900	1015	55590	85905
1050	1015	55591	85521
1200	1015	55592	58633
1400	1015	55593	85522
1800	1015	55594	85906
300	1200	53834	10077
900	1200	53833	14766

Manhole Make Up Rings

Size (mm)	PART No.
75	57850
100	85045
150	58318
200	85099



Manhole Squat Cone

- 1015 mm Ø

PART No.	58223



Straight Back Manhole Tapers

- 1015 mm Ø



Height (mm)	Style	PART No.
600	No Steps	58153
600	Steps	85516

Manhole Lid and Surround Sets



Class B



Class D

Class	Lift Type	PART No.
B	Twin	57937
B	Centre	10759
D	Twin	11549
D	Centre	55054

Manhole Lids





Class	Lift Type	PART No.
B	Twin	57410
B	Centre	10679
D	Twin	57172
D	Centre	11550

Cast Iron Manhole Lids



Class	Style	PART No.
B	With Frame	54209
B	With Surround	54625
D	With Surround	54526

Manhole Conversion Slabs

Depth (mm)	Height (mm)	PART No.
1050	100	12282
1200	150	10080

Manhole Lid Surrounds

Class	PART No.
B	57936
D	58169



Benched Manhole Bases

- 1015 mm Ø

Height (mm)	PART No.
500	12280
600	22280
650	12281



Manhole Humeseal

Size (mm)	PART No.
150	10313
225	14822
300	14823



CONCRETE MANHOLE ACCESSORIES

Plastic Manhole Lid and Surround

- Unique locking system that utilises a 12 x 30 mm standard key to ensure cover will stay in place and prevent illegal dumping into the sewer
- Impact, chemical, UV and abrasion resistant
- Gas tight and water tight
- Rust and corrosion free
- Moulded non-slip lid
- Made in Australia from Australian materials and designed to AS/NZS3996
- 600 mm clear opening, class B cover
- Weight 15 kg

PART No.	81626



Cast Iron Sewer Lids - Round

- 600mm clear opening
- Easy retro-fit technology for replacing concrete manhole lids
- Class B and Class D available
- Contact us for alternate options/profiles



Class	PART No.
B	91110
D	91111



Cast Iron Sewer Access Lids

- Often referred to as Gatic® Lids
- Complete range available
- Square, round, heavy and light duty
- Also available ready to concrete fill, please enquire
- Please enquire for your cast iron requirements



Steel Step Irons

- Galvanised, heavy duty

Size Ø (mm)	Width (mm)	Part No.
20	150	59088
25	205	55599



Plastic Step Irons

Size (mm)	PART No.
175	85578
225	55595
375	55597
400	55598



Manhole Mastic

Length (m)	PART No.
2.4	57935
3.6	57822



CONCRETE VALVE & HYDRANT LIDS

Concrete Stop Valve Surrounds

- Heavy duty cast iron in wet cast concrete
- Typically used in high traffic driveways, paths and roads



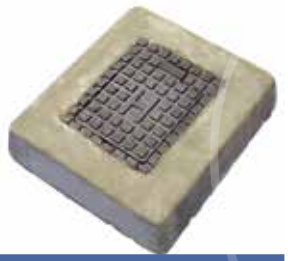
79471

Lid	Type	PART No.	Dimensions	
			Width (mm)	Height (mm)
SV	Round	**79471**	475 Ø	125
SV	Square	**79473**	500	110

Concrete Hydrant Surrounds

- Heavy duty cast iron in wet cast concrete
- Typically used in high traffic driveways, paths and roads





Lid	Type	PART No.	Dimensions	
			Width (mm)	Height (mm)
SV	Round	**79472**	570 Ø	140
SV	Square	**79470**	500	110

BOX CULVERTS

Box Culvert Base



Length (mm)	Width (mm)	PART No.
1200	1200	**65899**
1200	2400	**65898**
1800	2440	**16652**

Box Culvert



Width (mm)	Height (mm)	Length (mm)	Type	PART No.
600	300	1200	Invert	**65603**
600	450	1200	Invert	**65602**
1200	450	2400	Crown	**65896**
1200	600	2500	Crown	**16658**
1800	450	2400	Crown	**16656**

Other sizes available on request

SECTION 10

TECHNICAL REFERENCE INDEXES

PIPE OUTSIDE DIAMETERS

PRESSURE PIPE

NOMINAL PIPE SIZE	DICL Ductile Iron	MSCL	GWI	S1 WHITE U-PVC	S2 BLUE-O/M PVC	GRP GLASS REINFORCED PLASTIC	COPPER	AC - CLASS AB	AC - CLASS CD	CICL - Grey Cast Iron CL-B	PE Pressure Polyethylene	PE Pressure- I/D (PN16)	RC - Reinforced Concrete
12							12.7						
15			21	21			15.87				20	16.05	
20			27	27			19.05				25	20.15	
25			34	33			25.4				32	25.95	
32			43	42			31.75				40	32.30	
40			48	48			38.1				50	40.45	
50			60	60			50.8				63	51.00	
65			76	75			63.5				75	60.95	
80	96		89	89			76.2	96	96		90	73.05	
100	122	114	114	114	122	122	101.6	122	122	122	110	89.40	
125			140	140			127				125	101.50	
150	177	168	165	160	177	177	152.4	177	177	177	140	113.85	197
175				200							160	129.95	
200	232	219		225	232	232	203.2	232	232	232	180	146.25	
225	259	257		250	259	259		259	259	259	200	162.50	279
250	286	273		280	286	286		286	286	286	225	182.85	
300	345	324		315	345	345		334	345	334	250	203.35	362
350		356		355		399					280	227.80	
375	426			400	426	426		413	426	413	315	256.25	445
400		406		450		453					355	288.80	
450	507	457		500	507	507		492	507	492	400	325.40	533
500	560	508		560		560				545	450	366.05	
525					560	587		572	587		500	406.75	616
575													
600	667	610		630	667	667		650	667	650	560	455.70	699
675													
750	826	762				826			826				870

NON-PRESSURE PIPE

NOMINAL PIPE SIZE	RC - REINFORCED CONCRETE			CI - SOIL	PVC		FRC V PIPE AND V PIPE+				AC		RC - Reinforced Concrete
	CL-2	CL-3	CL-4		PVC STORM WATER	PVC SEWER	VC - Vitrified	CL2	CL3	CL4	CL35	CL50	
12													
15													
20													
25													
32						38							
40						43							
50					56	56							
65					69	69							
75					75								
80						83							
90					90								
100				109	110	110	140				120	122	197
125				135									
150				160	160	160	194				177	183	
175					200								279
200				214				273		276	230	236	
225	295	295	295				277				257	262	362
250				267							283	289	
300	370	370	370	318	315	316	370	346	348	354	336	344	445
350													
375	453	453	453	397	400	400	428	427	431	439	419	425	533
400													
450	538	538	538				535	512	519	529	497	505	616
500													
525	623	623	645				635	594	606	618	576	585	699
575													
600	698	698	720		630		692	678	691	705	657	664	870
675	785	785	855					752	770	787			
750	870	870	910					803	822	839			

FLANGE TABLE

DN SIZE (mm)	PITCH CIRCLE DIAMETER (mm) TABLE				NUMBER OF HOLES TABLE				FLANGE O/D (mm) TABLE				BOLT SIZE TABLE			
	D	E	F	H	D	E	F	H	D	E	F	H	D	E	F	H
50	114	114	127	127	4	4	4	4	150	150	165	165	M16	M16	M16	M16
65	127	127	146	146	4	4	8	8	165	165	185	185	M16	M16	M16	M16
80	146	146	165	165	4	4	8	8	185	185	205	205	M16	M16	M16	M16
100	178	178	191	191	4	8	8	8	215	215	230	230	M16	M16	M16	M16
150	235	235	260	260	8	8	12	12	280	280	305	305	M16	M20	M20	M20
200	292	292	292	324	8	8	12	12	335	335	370	370	M16	M20	M20	M20
225	324	324	356	356	8	12	12	12	370	370	405	405	M16	M20	M24	M24
250	356	356	381	381	8	12	12	12	405	405	430	430	M20	M20	M24	M24
300	406	406	438	438	12	12	16	16	455	455	490	490	M20	M24	M24	M24
350	470	470	495	495	12	12	16	16	525	525	550	550	M24	M24	M27	M27
375	495	495	521	521	12	12	16	16	550	550	580	580	M24	M24	M27	M27
450	584	584	610	610	12	16	20	20	640	640	675	675	M24	M24	M30	M30
500	641	641	673	673	16	16	24	24	705	705	735	735	M24	M24	M30	M30
600	756	756	781	781	16	16	24	24	825	825	850	850	M27	M30	M33	M33

Flange Table

DN	Outsode Diameter of Flange	Diameter of raised face	Bolting details			
			Pitch circle diameter	Number of holes	Diameter of holes	Fastener size and thread
	mm	mm	mm		mm	
80	185	122	146	4	18	M16
100	215	154	178	4	18	M16
150	280	211	235	8	18	M16
200	335	268	292	8	18	M16
225	370	300	324	8	18	M16
250	405	328	356	8	22	M20
300	455	378	406	12	22	M20
350	525	438	470	12	26	M24
375	550	463	495	12	26	M24
400	580	489	521	12	26	M24
450	640	552	584	12	26	M24
500	705	609	641	16	26	M24
600	825	720	756	16	30	M27

ABBREVIATIONS USED

ABS	=	Copolymer of acrylonitrile, butadiene and styrene
AC	=	Asbestos cement
ACWC	=	Anti-clockwise close
AGA	=	Australian Gas Association
AMR	=	Automated meter reading
ANSI	=	American National Standards Institute
AS	=	Australian Standard
ASTM	=	American Society for Testing Materials
AV	=	Air Valve
AVI	=	Audio Video Interleave
AWWA	=	American Water Works Association
BS	=	British Standards
BSP	=	British Standard Pipe Thread
BSPT	=	British Standard Pipe Thread
CCTV	=	Closed Circuit Television
CFA	=	Country Fire Authority
CI	=	Cast Iron
CICL	=	Cast Iron Cement Lined
CL	=	Class
Cu	=	Copper
CWC	=	Clockwise Close
DCV	=	Dual Check Valve
DDCV	=	Double Detector Check Valve
DI	=	Ductile Iron
DICL	=	Ductile Iron Cement Lined
DN	=	Diameter Nominal
DP	=	Dust Plug
DR	=	Dezincification Resistant
DVD	=	Digital Video Disk
DWV	=	Drain Waste Vent
DZR	=	Dezincification Resistant
EPA	=	Environmental Protection Authority
EPDM	=	Ethylene Propylene Diene Monomer
EW	=	Earthen Ware
F x F	=	Female x Female
FF	=	Full Face
FH	=	Fire Hydrant
FL	=	Flange/Flanged
FRC	=	Fibre Reinforced Cement
GRP	=	Glass Reinforced Plastic
GWI	=	Galvanised Welded Iron
H	=	Hydrant
HD	=	Heavy Duty
HDPE	=	High Density Poly Ethylene
HP	=	Hydrant Path
HVAC	=	Heating, Ventilation and Air Conditioning
ID	=	Inside Diameter
ISO	=	International Organisation for Standardisation
IV	=	Isolation Valve
JIS	=	Japanese Industrial Standards
LCD	=	Liquid Crystal Display
LEDs	=	Light Emitting Devices
Li battery	=	Lithium-ion
LPG	=	Liquefied Petroleum Gas
M x F	=	Male x Female
M16	=	(bolt size) Metric 16 mm
MDPE	=	Medium Density Polyethylene
MI	=	Male Iron
MP4	=	MPEG-4 Part 14: software created by the Motion Picture Experts Group for transmitting data streams to a receiving device in real time
MPVC	=	Modified Poly Vinyl Chloride
MSCL	=	Mild Steel Cement Lined
MT	=	Meter Thread
NB	=	Nominal Bore
NBR	=	Nitrite Butylene Ribbon
NEMA	=	National Electrical Manufacturers Association
Ni-MH	=	Nickel Metal Hydride
NPT	=	National Pipe Thread
NZS	=	New Zealand Standard
OD	=	Outside Diameter
OLED	=	Organic Light Emitting Diode
OPVC	=	Oriented Poly Vinyl Chloride
PD	=	Positive Displacement
PE	=	Polyethylene
PN	=	Pressure Nominal
PRV	=	Pressure Reducing Valve
PTFE	=	Polytetrafluoroethylene
PVC	=	Poly Vinyl Chloride (type of plastic) incorporates MPVC, PVC, UPVC and OPVC pipes
PVCU	=	Un-plasticised Poly Vinyl Chloride
RC	=	Reinforced Concrete
RHS	=	Rectangular Hollow Section
RPZD	=	Reduced Pressure Zone Device
RRJ	=	Rubber Ring Joint
RSGV	=	Resilient Seat Gate Valve
RT	=	Reverse Taper
S1	=	Series 1
S2	=	Series 2
SCJ	=	Solvent Cement Joint
SDCV	=	Single Detector Check Valve
SG	=	Steel Galvanised
SHS	=	Square Hollow Section
SS	=	Sub Soil
SS	=	Stainless Steel
SV	=	Stop Valve
SWB	=	Sydney Water Board
SWL	=	Safe Working Load
SWV	=	Sewer, Waste and Vent
TFT	=	Thin Film Transistor
TPF	=	Tapered Plug Ferrule
TPFNR	=	Tapered Plug Ferrule Non Return
UL	=	Underwriters Laboratories
Um	=	Micro metre
UNC	=	United National Coarse
UV	=	Ultra Violet
VC	=	Vitrified Clay
WM	=	Water Meter
WSA	=	Water Standards Association
WSAA	=	Water Standards Association Australia

SYMBOLS USED

Ah-NiCd	=	ampere nickel cadmium
dB	=	decibels
g	=	grams
g/m2	=	grams per square metre
GB	=	Giga byte
hp	=	horsepower (1 hp x 0.7457 = kW)
Hz	=	hertz
kg	=	kilogram
kHz	=	kilohertz
kPa	=	kilopascal
L	=	Litres
L/m2/min	=	litres per square metre per minute
L/m2/s	=	litres per square metre per second
L/min	=	litres per minute
m	=	Metres
mL	=	Millilitres
mm	=	Millimetres
Ø	=	diameter
V	=	volts
W	=	watt
Ω	=	Ohm

MEASUREMENTS

LENGTH CONVERSIONS	
Inch	Millimetres
1/64	0.40
1/32	0.80
1/16	1.59
1/8	3.18
3/16	4.76
1/4	6.35
5/16	7.94
3/8	9.53
7/16	11.11
1/2	12.70
9/16	14.29
5/8	15.88
11/16	17.46
3/4	19.05
13/16	20.64
7/8	22.23
15/16	23.88
1	25.40
1 1/4	31.75
1 1/2	38.10
2	50.8
3	76.2
4	101.6
5	127
6	152.4

MASS CONVERSIONS	
Kilograms (kg)	Pounds (lbs)
1	2.21
2	4.41
3	6.62
4	8.82
5	11.03
6	13.23
7	15.44
8	17.64
9	19.85
10	22.05
15	33.08
20	44.10
25	55.13
30	66.15
35	77.18
40	88.20
45	99.23
50	110.25
60	132.30
70	154.35
80	176.40
90	198.45
100	220.50
150	330.75
200	441.00
300	661.50
400	882.00
500	1102.50
600	1323.00
700	1543.50
800	1764.00
900	1984.50
1000	2205.00

PRESSURE CONVERSIONS		
Bar	kPa	PSI
1	100	14.5
2	200	29
3	300	43.5
4	400	58
5	500	72.5
6	600	87
7	700	101.5
8	800	116
9	900	130.5
10	1000	145
20	2000	290
30	3000	435
40	4000	580
50	5000	725
60	6000	870
70	7000	1015
80	8000	1160
90	9000	1305
100	10000	1450

TERMS AND CONDITIONS OF TRADE

1. DEFINITIONS

1.1 "Cadia Group" means Cadia Group Pty Ltd, its successors and assigns or any person acting on behalf of and with the authority of Cadia Group Pty Ltd.

1.2 "Client" means the person/s buying the Goods as specified in any invoice, document or order, and if there is more than one Client is a reference to each Client jointly and severally.

1.3 "Goods" means all Goods or Services supplied by Cadia Group to the Client at the Client's request from time to time (where the context so permits the terms 'Goods' or 'Services' shall be interchangeable for the other).

1.4 "Price" means the Price payable for the Goods as agreed between Cadia Group and the Client in accordance with clause 5 below.

2. ACCEPTANCE

2.1 The Client is taken to have exclusively accepted and is immediately bound, jointly and severally, by these terms and conditions if the Client places an order for or accepts delivery of the Goods.

2.2 These terms and conditions may only be amended with Cadia Group's consent in writing and shall prevail to the extent of any inconsistency with any other document or agreement between the Client and Cadia Group.

2.3 The Client acknowledges and accepts that Cadia Group at their discretion, reserves the right not to supply Goods if, for any reason (including but not limited to, where the Goods are not or cease to be available, account disputes or conditions placed on Cadia Group by their suppliers. Cadia Group shall not be liable to the Client for any loss or damage the Client suffers due to Cadia Group exercising its rights under this clause.

2.4 The Client acknowledges that any advice or recommendations by Cadia Group are provided on the basis of Cadia Group's industry knowledge and experience only and shall not be deemed as specialist advice

2.5 These terms and conditions are meant to be read in conjunction with the Terms and Conditions of Use as posted on Cadia Group's website. If there are any inconsistencies between the two documents then the terms and conditions contained in this document shall prevail.

3. CHANGE IN CONTROL

3.1 The Client shall give Cadia Group not less than fourteen (14) days prior written notice of any proposed change of ownership of the Client and/or any other change in the Client's details (including but not limited to, changes in the Client's name, address, contact phone or fax number/s, or business practice). The Client shall be liable for any loss incurred by Cadia Group as a result of the Client's failure to comply with this clause.

4. ELECTRONIC TRANSACTIONS ACT 2000

4.1 Electronic signatures shall be deemed to be accepted by either party providing that the parties have complied with Section 9 of the Electronic Transactions Act 2000 or any other applicable provisions of that Act or any Regulations referred to in that Act.

5. PRICE AND PAYMENT

5.1 At Cadia Group's sole discretion the Price shall be either:

(a) as indicated on any invoice provided by Cadia Group to the Client; or

(b) Cadia Group's quoted price (subject to clause 5.2) which will be valid for the period stated in the quotation or otherwise for a period of thirty (30) days.

5.2 Cadia Group reserves the right to change the Price if a variation to Cadia Group's quotation is requested. Any variation from the plan of scheduled Services or specifications (including, but not limited to, any variation as a result of additional Services required due to unforeseen circumstances such as overseas transactions that may increase as a consequence of variations in foreign currency rates of exchange and/or international freight and insurance charges, requests from the Client in quantity amounts to be supplied, handling fees or as a result of any increase to Cadia Group in the cost of materials and labour) will be charged for on the basis of Cadia Group's quotation and will be shown as variations on the invoice

5.3 At Cadia Group's sole discretion a non-refundable deposit may be required.

5.4 Time for payment for the Goods being of the essence, the Price will be payable by the Client on the date/s determined by Cadia Group, which may be:

(a) on delivery of the Goods;

(b) by way of instalments/progress payments in accordance with Cadia Group's payment schedule;

(c) thirty (30) days following the end of the month in which a statement is posted to the Client's address or address for notices;

(d) thirty (30) days following the date of the invoice;

(e) the date specified on any invoice or other form as being the date for payment; or

(f) failing any notice to the contrary, the date which is seven (7) days following the date of any invoice given to the Client by Cadia Group.

5.5 Payment may be made by cash, bank cheque, electronic/on-line banking, credit card (plus a surcharge of up to two and a half (2.5%) percent of the Price), or by any other method as agreed to between the Client and Cadia Group.

5.6 Unless otherwise stated the Price does not include GST. In addition to the Price the Client must pay to Cadia Group an amount equal to any GST Cadia Group must pay for any supply by Cadia Group under this or any other agreement for the sale of the Goods. The Client must pay GST, without deduction or set off of any other amounts, at the same time and on the same basis as the Client pays the Price. In addition the Client must pay any other taxes and duties that may be applicable in addition to the Price except where they are expressly included in the Price.

6. DELIVERY OF GOODS

6.1 Delivery ("Delivery") of the Goods is taken to occur at the time that:

(a) the Client or the Client's nominated carrier takes possession of the Goods at Cadia Group's address; or

(b) Cadia Group (or Cadia Group's nominated carrier) delivers the Goods to the Client's nominated address even if the Client is not present at the address.

6.2 At Cadia Group's sole discretion the cost of delivery is in addition to the Price.

6.3 The Client must take delivery by receipt or collection of the Goods whenever they are tendered for delivery. In the event that the Client is unable to take delivery of the Goods as arranged then Cadia Group shall be entitled to charge a reasonable fee for redelivery and/or storage.

6.4 Cadia Group may deliver the Goods in separate instalments. Each separate instalment shall be invoiced and paid in accordance with the provisions in these terms and conditions.

6.5 Any time or date given by Cadia Group to the Client is an estimate only. The Client must still accept delivery of the Goods even if late and Cadia Group will not be liable for any loss or damage incurred by the Client as a result of the delivery being late.

7. ONLINE ORDERING

7.1 The Client acknowledges and agrees that:

(a) Cadia Group do not guarantee the websites performance or availability of any of its Goods; and

(b) on-line ordering may be unavailable from time to time for regularly scheduled maintenance and/or upgrades; and

(c) there are inherent hazards in electronic distribution and as such Cadia Group cannot warrant against delays or errors in transmitting data between the Client and

Cadia Group including orders, and you agree that to the maximum extent permitted by law, Cadia Group will not be liable for any losses which the Client suffers as a result of online-ordering not being available or for delays or errors in transmitting orders.

7.2 Cadia Group reserve the right to terminate your order if it learns that you have provided false or misleading information, interfered with other users or the administration of Cadia Group Services, or violated these terms and conditions.

8. RISK

8.1 Risk of damage to or loss of the Goods passes to the Client on Delivery and the Client must insure the Goods on or before Delivery.

8.2 If any of the Goods are damaged or destroyed following delivery but prior to ownership passing to the Client, Cadia Group is entitled to receive all insurance proceeds payable for the Goods. The production of these terms and conditions by Cadia Group is sufficient evidence of Cadia Group's rights to receive the insurance proceeds without the need for any person dealing with Cadia Group to make further enquiries.

8.3 If the Client requests Cadia Group to leave Goods outside Cadia Group's premises for collection or to deliver the Goods to an unattended location then such Goods shall be left at the Client's sole risk.

8.4 Cadia Group will make every effort to match batches of Goods supplied in order to minimise such variations but shall not be liable in any way whatsoever where such variations occur between batches of Goods or sale samples and the final Goods supplied.

9. TITLE

9.1 Cadia Group and the Client agree that ownership of the Goods shall not pass until:

(a) the Client has paid Cadia Group all amounts owing to Cadia Group; and

(b) the Client has met all of its other obligations to Cadia Group.

9.2 Receipt by Cadia Group of any form of payment other than cash shall not be deemed to be payment until that form of payment has been honoured, cleared or recognised.

9.3 It is further agreed that:

(a) until ownership of the Goods passes to the Client in accordance with clause 9.1 that the Client is only a bailee of the Goods and must return the Goods to Cadia Group on request.

(b) the Client holds the benefit of the Client's insurance of the Goods on trust for Cadia Group and must pay to Cadia Group the proceeds of any insurance in the event of the Goods being lost, damaged or destroyed.

(c) the Client must not sell, dispose, or otherwise part with possession of the Goods other than in the ordinary course of business and for market value. If the Client sells, disposes or parts with possession of the Goods then the Client must hold the proceeds of any such act on trust for Cadia Group and must pay or deliver the proceeds to Cadia Group on demand.

(d) the Client should not convert or process the Goods or intermix them with other goods but if the Client does so then the Client holds the resulting product on trust for the benefit of Cadia Group and must sell, dispose of or return the resulting product to Cadia Group as it so directs.

(e) the Client irrevocably authorises Cadia Group to enter any premises where Cadia Group believes the Goods are kept and recover possession of the Goods.

(f) Cadia Group may recover possession of any Goods in transit whether or not delivery has occurred.

(g) the Client shall not charge or grant an encumbrance over the Goods nor grant nor otherwise give away any interest in the Goods while they remain the property of Cadia Group.

(h) Cadia Group may commence proceedings to recover the Price of the Goods sold notwithstanding that ownership of the Goods has not passed to the Client.

10. PERSONAL PROPERTY SECURITIES ACT 2009 ("PPSA")

10.1 In this clause financing statement, financing change statement, security agreement, and security interest has the meaning given to it by the PPSA.

10.2 Upon assenting to these terms and conditions in writing the Client acknowledges and agrees that these terms and conditions constitute a security agreement for the purposes of the PPSA and creates a security interest in all Goods that have previously been supplied and that will be supplied in the future by Cadia Group to the Client.

10.3 The Client undertakes to:

(a) promptly sign any further documents and/or provide any further information (such information to be complete, accurate and up-to-date in all respects) which Cadia Group may reasonably require to;

(i) register a financing statement or financing change statement in relation to a security interest on the Personal Property Securities Register;

(ii) register any other document required to be registered by the PPSA; or

(iii) correct a defect in a statement referred to in clause 10.3(a)(i) or 10.3(a)(ii);

(b) indemnify, and upon demand reimburse, Cadia Group for all expenses incurred in registering a financing statement or financing change statement on the Personal Property Securities Register established by the PPSA or releasing any Goods charged thereby;

(c) not register a financing change statement in respect of a security interest without the prior written consent of Cadia Group;

(d) not register, or permit to be registered, a financing statement or a financing change statement in relation to the Goods in favour of a third party without the prior written consent of Cadia Group;

(e) immediately advise Cadia Group of any material change in its business practices of selling the Goods which would result in a change in the nature of proceeds derived from such sales.

10.4 Cadia Group and the Client agree that sections 96, 115 and 125 of the PPSA do not apply to the security agreement created by these terms and conditions.

10.5 The Client waives their rights to receive notices under sections 95, 118, 121(4), 130, 132(3)(d) and 132(4) of the PPSA.

10.6 The Client waives their rights as a grantor and/or a debtor under sections 142 and 143 of the PPSA.

10.7 Unless otherwise agreed to in writing by Cadia Group, the Client waives their right to receive a verification statement in accordance with section 157 of the PPSA.

10.8 The Client must unconditionally ratify any actions taken by Cadia Group under clauses 10.3 to 10.5.

10.9 Subject to any express provisions to the contrary nothing in these terms and conditions is intended to have the effect of contracting out of any of the provisions of the PPSA.

11. SECURITY AND CHARGE

11.1 In consideration of Cadia Group agreeing to supply the Goods, the Client charges all of its rights, title and interest (whether joint or several) in any land, realty or other assets capable of being charged, owned by the Client either now or in the future, to secure the performance by the Client of its obligations under these terms and conditions (including, but not limited to, the payment of any money).

11.2 The Client indemnifies Cadia Group from and against all Cadia Group's costs and disbursements including legal costs on a solicitor and own client basis incurred in exercising Cadia Group's rights under this clause.

11.3 The Client irrevocably appoints Cadia Group and each director of Cadia Group as the Client's true and lawful attorney/s to perform all necessary acts to give effect to the provisions of this clause 11 including, but not limited to, signing any document on the Client's behalf.

12. DEFECTS, WARRANTIES AND RETURNS, COMPETITION AND CONSUMER ACT 2010 (CCA)

12.1 The Client must inspect the Goods on delivery and must within fourteen (14) days of delivery notify Cadia Group in writing of any evident defect/damage, shortage in quantity, or failure to comply with the description or quote. The Client must notify any other alleged defect in the Goods as soon as reasonably possible after any such defect becomes evident. Upon such notification the Client must allow Cadia Group to inspect the Goods.

12.2 Under applicable State, Territory and Commonwealth Law (including, without limitation the CCA), certain statutory implied guarantees and warranties (including, without limitation the statutory guarantees under the CCA) may be implied into these terms and conditions (Non-Excluded Guarantees).

12.3 Cadia Group acknowledges that nothing in these terms and conditions purports to modify or exclude the Non-Excluded Guarantees.

12.4 Except as expressly set out in these terms and conditions or in respect of the Non-Excluded Guarantees, Cadia Group makes no warranties or other representations under these terms and conditions including but not limited to the quality or suitability of the Goods. Cadia Group's liability in respect of these warranties is limited to the fullest extent permitted by law.

12.5 If the Client is a consumer within the meaning of the CCA, Cadia Group's liability is limited to the extent permitted by section 64A of Schedule 2.

12.6 If Cadia Group is required to replace the Goods under this clause or the CCA, but is unable to do so, Cadia Group may refund any money the Client has paid for the Goods.

12.7 If the Client is not a consumer within the meaning of the CCA, Cadia Group's liability for any defect or damage in the Goods is:

(a) limited to the value of any express warranty or warranty card provided to the Client by Cadia Group at Cadia Group's sole discretion;

b) limited to any warranty to which Cadia Group is entitled, if Cadia Group did not manufacture the Goods;

(c) otherwise negated absolutely.

12.8 Subject to this clause 12, delivered goods may not be returned unless defective or damaged in transit, and:

(a) the Client has complied with the provisions of clause 12.1; and

(b) Cadia Group has agreed that the Goods are defective; and

(c) the Goods are returned within a reasonable time at the Client's cost (if that cost is not significant); and

(d) the Goods are returned in identical condition to that in which they were delivered

12.9 Notwithstanding clauses 12.1 to 12.8 but subject to the CCA, Cadia Group shall not be liable for any defect or damage which may be caused or partly caused by or arise as a result of:

(a) the Client failing to properly maintain or store any Goods;

(b) the Client using the Goods for any purpose other than that for which they were designed (including but not limited to misuse, abuse, neglect, electrical or other overload, non-suitable lubricant, improper installation);

(c) the Client continuing the use of any Goods after any defect became apparent or should have become apparent to a reasonably prudent operator or user;

(d) the Client failing to follow any instructions or guidelines provided by Cadia Group;

(e) fair wear and tear, any accident, or act of God.

12.10 Cadia Group may in its absolute discretion accept non-defective Goods for return in which case Cadia Group may require the Client to pay handling fees of up to twenty percent (20%) of the value of the returned Goods plus any freight costs.

12.12 Custom made goods and special orders may not be returned.

12.13 Notwithstanding anything contained in this clause if Cadia Group is required by a law to accept a return then Cadia Group will only accept a return on the conditions imposed by that law.

13. FORCE MAJEURE

Cadia Group is not liable for any delay or the failure to perform any obligation in the Customer's favour arising as a result of any event beyond the control of Cadia Group.

14. INTELLECTUAL PROPERTY

14.1 Where Cadia Group has designed, drawn or developed Goods for the Client, then the copyright in any designs and drawings and documents shall remain the property of Cadia Group.

14.2 The Client warrants that all designs, specifications or instructions given to Cadia Group will not cause Cadia Group to infringe any patent, registered design or trademark in the execution of the Client's order and the Client agrees to indemnify Cadia Group against any action taken by a third party against Cadia Group in respect of any such infringement.

14.3 Cadia Group may grant the Client a non-transferable licence to use the Intellectual Property referred to in clause 13.1 in relation solely to the operation of the Client's business however, the Client shall not use nor make copies of such Intellectual Property in connection with any work or business other than the work or business specified in writing to Cadia Group unless express approval is given in advance by Cadia Group. Such licence shall terminate on default of payment or any other terms of this agreement by the Client.

14.4 The Client further agrees that they shall not without Cadia Group's prior written consent:

(a) allow any third party to have access to any designs, drawings or developed Goods; or.

(b) alter, modify, reverse engineer the software associated with the development of the Goods or tamper with any trademark marked on any finished Goods; or

(c) combine the software with any other software.

14.5 The Client agrees that Cadia Group may (at no cost) use for the purposes of marketing or entry into any competition, any documents, designs, drawings or Goods which Cadia Group has created for the Client.

15. DEFAULT AND CONSEQUENCES OF DEFAULT

15.1 Interest on overdue invoices shall accrue daily from the date when payment becomes due, until the date of payment, at a rate of two and a half percent (2.5%) per calendar month (and at Cadia Group's sole discretion such interest shall compound monthly at such a rate) after as well as before any judgment.

15.2 If the Client owes Cadia Group any money the Client shall indemnify Cadia Group from and against all costs and disbursements incurred by Cadia Group in recovering the debt (including

but not limited to internal administration fees, legal costs on a solicitor and own client basis, Cadia Group's contract default fees, and bank dishonour fees).

15.3 Without prejudice to any other remedies Cadia Group may have, if at any time the Client is in breach of any obligation (including those relating to payment) under these terms and conditions Cadia Group may suspend or terminate the supply of Goods to the Client. Cadia Group will not be liable to the Client for any loss or damage the Client suffers because Cadia Group has exercised its rights under this clause.

15.4 Without prejudice to Cadia Group's other remedies at law Cadia Group shall be entitled to cancel all or any part of any order of the Client which remains unfulfilled and all amounts owing to Cadia Group shall, whether or not due for payment, become immediately payable if:

(a) any money payable to Cadia Group becomes overdue,

or in Cadia Group's opinion the Client will be unable to make a payment when it falls due;

(b) the Client becomes insolvent, convenes a meeting with its creditors or proposes or enters into an arrangement with creditors, or makes an assignment for the benefit of its creditors; or

(c) a receiver, manager, liquidator (provisional or otherwise) or similar person is appointed in respect of the Client or any asset of the Client.

16. CANCELLATION

16.1 Cadia Group may cancel any contract to which these terms and conditions apply or cancel delivery of Goods at any time before the Goods are delivered by giving written notice to the Client. On giving such notice Cadia Group shall repay to the Client any money paid by the Client for the Goods. Cadia Group shall not be liable for any loss or damage whatsoever arising from such cancellation.

16.2 In the event that the Client cancels delivery of Goods the Client shall be liable for any and all loss incurred (whether direct or indirect) by Cadia Group as a direct result of the cancellation (including, but not limited to, any loss of profits).

16.3 Cancellation of orders for Goods made to the Client's specifications, or for non-stocklist items and/or indent orders, will definitely not be accepted once production has commenced, or an order has been placed.

17. PRIVACY ACT 1988

17.1 The Client agrees for Cadia Group to obtain from a credit reporting agency a credit report containing personal credit information about the Client in relation to credit provided by Cadia Group.

17.2 The Client agrees that Cadia Group may exchange information about the Client with those credit providers either named as trade referees by the Client or named in a consumer credit report issued by a credit reporting agency for the following purposes:

(a) to assess an application by the Client; and/or

(b) to notify other credit providers of a default by the Client; and/or

(c) to exchange information with other credit providers as to the status of this credit account, where the Client is in default with other credit providers; and/or

(d) to assess the creditworthiness of the Client. The Client understands that the information exchanged can include anything about the Client's creditworthiness, credit standing, credit history or credit capacity that credit providers are allowed to exchange under the Privacy Act 1988.

17.3 The Client consents to Cadia Group being given a consumer credit report to collect overdue payment on commercial credit (Section 18K(1)(h) Privacy Act 1988).

17.4 The Client agrees that personal credit information provided may be used and retained by Cadia Group for the following purposes (and for other purposes as shall be agreed between the Client and Cadia Group or required by law from time to time):

(a) the provision of Goods; and/or

(b) the marketing of Goods by Cadia Group, its agents or distributors; and/or

(c) analysing, verifying and/or checking the Client's credit, payment and/or status in relation to the provision of Goods; and/or

(d) processing of any payment instructions, direct debit facilities and/or credit facilities requested by the Client; and/or

(e) enabling the daily operation of Client's account and/or the collection of amounts outstanding in the Client's account in relation to the Goods.

17.5 Cadia Group may give information about the Client to a credit reporting agency for the following purposes:

(a) to obtain a consumer credit report about the Client;

(b) allow the credit reporting agency to create or maintain a credit information file containing information about the Client.

17.6 The information given to the credit reporting agency may include:

(a) personal particulars (the Client's name, sex, address, previous addresses, date of birth, name of employer and driver's licence number);

(b) details concerning the Client's application for credit or commercial credit and the amount requested;

(c) advice that Cadia Group is a current credit provider to the Client;

(d) advice of any overdue accounts, loan repayments, and/or any outstanding monies owing which are overdue by more than sixty (60) days, and for which debt collection action has been started;

(e) that the Client's overdue accounts, loan repayments and/or any outstanding monies are no longer overdue in respect of any default that has been listed;

(f) information that, in the opinion of Cadia Group, the Client has committed a serious credit infringement (that is, fraudulently or shown an intention not to comply with the Client's credit obligations);

(g) advice that cheques drawn by the Client for one hundred dollars ($100) or more, have been dishonoured more than once;

(h) that credit provided to the Client by Cadia Group has been paid or otherwise discharged.

18. GENERAL

18.1 The failure by Cadia Group to enforce any provision of these terms and conditions shall not be treated as a waiver of that provision, nor shall it affect Cadia Group's right to subsequently enforce that provision. If any provision of these terms and conditions shall be invalid, void, illegal or unenforceable the validity, existence, legality and enforceability of the remaining provisions shall not be affected, prejudiced or impaired.

18.2 These terms and conditions and any contract to which they apply shall be governed by the laws of New South Wales in which Cadia Group has its principal place of business, and are subject to the jurisdiction of the courts of Orange in that state.

18.3 Subject to clause 12 Cadia Group shall be under no liability whatsoever to the Client for any indirect and/or consequential loss and/or expense (including loss of profit) suffered by the Client arising out of a breach by Cadia Group of these terms and conditions (alternatively Cadia Group's liability shall be limited to damages which under no circumstances shall exceed the Price of the Goods).

18.4 The Client shall not be entitled to set off against, or deduct from the Price, any sums owed or claimed to be owed to the Client by Cadia Group nor to withhold payment of any invoice because part of that invoice is in dispute.

18.5 Cadia Group may license or sub-contract all or any part of its rights and obligations without the Client's consent.

18.6 The Client agrees that Cadia Group may amend these terms and conditions at any time. If Cadia Group makes a change to these terms and conditions, then that change will take effect from the date on which Cadia Group notifies the Client of such change. The Client will be taken to have accepted such changes if the Client makes a further request for Cadia Group to provide Goods to the Client.

18.7 Neither party shall be liable for any default due to any act of God, war, terrorism, strike, lock-out, industrial action, fire, flood, storm or other event beyond the reasonable control of either party.

18.8 The Client warrants that it has the power to enter into this agreement and has obtained all necessary authorisations to allow it to do so, it is not insolvent and that this agreement creates binding and valid legal obligations on it.

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