

iplex **METRIC FITTINGS**

**Delivers strength, security
and performance with a
fitting that is easy to install**



Iplex Metric Polyethylene Pipe

POLIplex BlueLine is a polyethylene pipe made from metric sized flexible PE80B medium density polyethylene material. POLIplex Blue Line is a reliable, highly cost-effective pipe that combines increased flow rates, flexibility for easier handling, improved performance at high temperatures and superior toughness.

Applications and Uses:

- Rural water reticulation, stock watering, irrigation, artesian water, etc.
- Water distribution, house connections, service pipe, etc.
- Industrial applications, treatment plants, cooling water, aggressive and corrosive circuits.
- Mining slurry transport, tailing lines, water supply & return, above & below ground.

Features and Benefits:

- Made from premium material for toughness, integrity and a longer life expectancy.
- Excellent flexibility for ease of coiling on drum, decoiling, handling and laying.
- A range of sizes to connect to existing pipe systems for easy conversion.
- Australian Standards Mark as a quality endorsement.
- Indelible blue stripes for instant identification.

AVAILABLE FROM



For further enquiries contact
Iplex On-Line – 13 18 40
or visit our web site – **iplex.com.au**

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*i*PLEX METRIC FITTINGS

Performance

- Very effective seal — ability to seal on scuffed or under-sized pipe
- Toughness of material — high impact strength, UV resistant, long life
- High end load or pull out resistance — eg 63mm fitting approximately 1.2 kilonewtons
- Full range of sizes and configurations
- Rated Class 16 to 63mm, Class 12.5 to 110mm

Ease of Installation

- Simple to use — no disassembly required or loose components to lose
- No chamfering or lubrication of pipe required
- Small fittings (below 40mm) can be effectively tightened by hand
- Coarse threads won't clog up with dirt
- Distinctive blue nut for easy identification

Security

- Manufactured to AS4129 with 50 year design life in standard conditions
- Supplied and supported by Iplex Pipelines — Australia's leading plastic pipe and fittings manufacturer

Assembly Instructions

Fast & Easy to Fit



- 1** Make sure the fitting is in the open position with at least 3 or 4 threads showing.

Cut the pipe to required length and deburr the end. The pipe does not need to be chamfered.



- 2** Mark the pipe. The pipe has to be pushed past the O-ring for the fitting to seal. To ensure that you insert the pipe to the correct depth it is helpful to mark the pipe. Use this mark or work off the middle of the body of the fitting.

For sizes 75mm and above this does not need to be done.



- 3** Push the pipe into the fitting to the correct depth. You will feel resistance as the pipe pushes past the O-ring, however this should not require much force. If difficulty is encountered then lubricating the end of the pipe will help. For sizes 75mm and above the pipe does not need to be pushed past the O-ring, simply insert the pipe until the first point of resistance is met.



- 4** Tighten the nut. For sizes 32mm and below this can normally be accomplished by hand. For other sizes use an appropriate tool.



- 5** It is not necessary to tighten the nut until it butts against the flange of the body. The fitting is fully installed when the nut cannot be tightened any further (normally at least one thread is exposed). For sizes 75mm and above it is necessary to tighten the nut until it butts against the flange of the body.

- Simple to use – no loose components to lose
- No chamfering, no lubrication of pipe required
- Fittings below 40mm can be tightened by hand
- Coarse threads are designed not to clog with dirt
- Distinctive blue nut for easy Metric identification

Dis-assembly

Simply unscrew nut and pull pipe from fitting.



COUPLING

M41

M4120	20mm x 20mm Plain
M4125	25mm x 25mm Plain
M4132	32mm x 32mm Plain
M4140	40mm x 40mm Plain
M4150	50mm x 50mm Plain
M4163	63mm x 63mm Plain
M4175	75mm x 75mm Plain
M4190	90mm x 90mm Plain
M41110	110mm x 110mm Plain



REDUCING COUPLING M51

M512520	25mm x 20mm Reducing
M513220	32mm x 20mm Reducing
M513225	32mm x 25mm Reducing
M514025	40mm x 25mm Reducing
M514032	40mm x 32mm Reducing
M515025	50mm x 25mm Reducing
M515032	50mm x 32mm Reducing
M515040	50mm x 40mm Reducing
M516332	63mm x 32mm Reducing
M516350	63mm x 50mm Reducing
M517563	75mm x 63mm Reducing
M519075	90mm x 75mm Reducing
M5111090	110mm x 90mm Reducing



MALE ADAPTOR

M21

M212015	20mm x 1/2" Male
M212020	20mm x 3/4" Male
M212025	20mm x 1" Male
M212515	25mm x 1/2" Male
M212520	25mm x 3/4" Male
M212525	25mm x 1" Male
M213220	32mm x 3/4" Male
M213225	32mm x 1" Male
M213232	32mm x 1 1/4" Male
M213240	32mm x 1 1/2" Male
M214025	40mm x 1" Male
M214032	40mm x 1 1/4" Male
M214040	40mm x 1 1/2" Male
M214050	40mm x 2" Male
M215032	50mm x 1 1/4" Male
M215040	50mm x 1 1/2" Male
M215050	50mm x 2" Male
M216340	63mm x 1 1/2" Male
M216350	63mm x 2" Male
M217550	75mm x 2" Male
M217563	75mm x 2 1/2" Male
M217575	75mm x 3" Male
M219050	90mm x 2" Male
M219075	90mm x 3" Male
M2190100	90mm x 4" Male
M2111075	110mm x 3" Male
M21110100	110mm x 4" Male



FEMALE ADAPTOR M31

M312015	20mm x 1/2" Female
M312020	20mm x 3/4" Female
M312025	20mm x 1" Female
M312520	25mm x 3/4" Female
M312525	25mm x 1" Female
M313220	32mm x 3/4" Female
M313225	32mm x 1" Female
M313232	32mm x 1 1/4" Female
M314025	40mm x 1" Female
M314032	40mm x 1 1/4" Female
M314040	40mm x 1 1/2" Female
M315040	50mm x 1 1/2" Female
M315050	50mm x 2" Female
M316340	63mm x 1 1/2" Female
M316350	63mm x 2" Female
M317550	75mm x 2" Female
M317563	75mm x 2 1/2" Female
M319050	90mm x 2" Female
M319075	90mm x 3" Female
M3111075	110mm x 3" Female
M31110100	110mm x 4" Female



EQUAL TEE M61

M6120	20mm x 20mm x 20mm Plain
M6125	25mm x 25mm x 25mm Plain
M6132	32mm x 32mm x 32mm Plain
M6140	40mm x 40mm x 40mm Plain
M6150	50mm x 50mm x 50mm Plain
M6163	63mm x 63mm x 63mm Plain
M6175	75mm x 75mm x 75mm Plain
M6190	90mm x 90mm x 90mm Plain
M61110	110mm x 110mm x 110mm Plain



REDUCING TEE M81

M812520	25mm x 25mm x 20mm
M813225	32mm x 32mm x 25mm
M814032	40mm x 40mm x 32mm
M815040	50mm x 50mm x 40mm
M816350	63mm x 63mm x 50mm



**TEE WITH
THREADED FEMALE
OFFTAKE** **M71**

M712015	20mm x 20mm x 1/2" Offtake
M712020	20mm x 20mm x 3/4" Offtake
M712515	25mm x 25mm x 1/2" Offtake
M712520	25mm x 25mm x 3/4" Offtake
M712525	25mm x 25mm x 1" Offtake
M713220	32mm x 32mm x 3/4" Offtake
M713225	32mm x 32mm x 1" Offtake
M714025	40mm x 40mm x 1" Offtake
M714032	40mm x 40mm x 1 1/4" Offtake
M715040	50mm x 50mm x 1 1/2" Offtake
M715050	50mm x 50mm x 2" Offtake
M716350	63mm x 63mm x 2" Offtake
M717550	75mm x 75mm x 2" Offtake
M717563	75mm x 75mm x 2 1/2" Offtake
M719075	90mm x 90mm x 3" Offtake
M71110100	110mm x 110mm x 4" Offtake



**TEE WITH
THREADED MALE OFFTAKE** **M102**

M1022015	20mm x 20mm x 1/2" Offtake
M1022020	20mm x 20mm x 3/4" Offtake
M1023225	32mm x 32mm x 1" Offtake
M1024032	40mm x 40mm x 1 1/4" Offtake
M1025040	50mm x 50mm x 1 1/2" Offtake
M1026350	63mm x 63mm x 2" Offtake



ELBOW **M91**

M9120	20mm x 20mm Plain
M9125	25mm x 25mm Plain
M9132	32mm x 32mm Plain
M9140	40mm x 40mm Plain
M9150	50mm x 50mm Plain
M9163	63mm x 63mm Plain
M9175	75mm x 75mm Plain
M9190	90mm x 90mm Plain
M91110	110mm x 110mm Plain



ELBOW WITH THREADED FEMALE OFFTAKE

M101

M1012015	20mm x 1/2" Offtake
M1012020	20mm x 3/4" Offtake
M1012515	25mm x 1/2" Offtake
M1012520	25mm x 3/4" Offtake
M1012525	25mm x 1" Offtake
M1013220	32mm x 3/4" Offtake
M1013225	32mm x 1" Offtake
M1014032	40mm x 1 1/4" Offtake
M1015040	50mm x 1 1/2" Offtake
M1015050	50mm x 2" Offtake
M1016350	63mm x 2" Offtake
M1017550	75mm x 2" Offtake
M1017563	75mm x 2 1/2" Offtake
M1019075	90mm x 3" Offtake
M101110100	110mm x 4" Offtake



ELBOW WITH THREADED MALE OFFTAKE

M103

M1032015	20mm x 1/2" Offtake
M1032020	20mm x 3/4" Offtake
M1032520	25mm x 3/4" Offtake
M1033220	32mm x 3/4" Offtake
M1033225	32mm x 1" Offtake
M1034032	40mm x 1 1/4" Offtake
M1035040	50mm x 1 1/2" Offtake
M1036350	63mm x 2" Offtake



END CAP

M171

M17120	20mm Metric End Cap
M17125	25mm Metric End Cap
M17132	32mm Metric End Cap
M17140	40mm Metric End Cap
M17150	50mm Metric End Cap
M17163	63mm Metric End Cap
M17175	75mm Metric End Cap
M17190	90mm Metric End Cap
M171110	110mm Metric End Cap



FLANGED ADAPTOR M23

M235050	50mm x 2"
M236350	63mm x 2"
M239075	90mm x 3"
M23110100	110mm x 4"



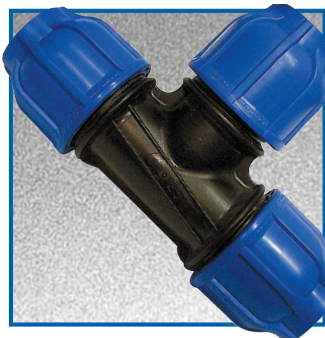
SHOULDER ENDED ADAPTOR M25

M2563	63mm
M25110	110mm



POLYETHYLENE TO COPPER CONNECTOR M32

M322515	25mm x 1/2"
M322520	25mm x 3/4"



POLYETHYLENE TO COPPER TEE M72

M722515	25mm x 25mm x 1/2" Copper Offtake
M722520	25mm x 25mm x 3/4" Copper Offtake



POLYETHYLENE TO POLYBUTYLENE CONNECTOR **M33**

M332518	25mm x 18mm
M332522	25mm x 22mm



POLYETHYLENE TO POLYBUTYLENE TEE **M73**

M732518	25mm x 25mm x 18mm Polybutylene Offtake
M732522	25mm x 25mm x 22mm Polybutylene Offtake



IMPERIAL TO METRIC CONVERSION KIT **M249**

M2492020	3/4" x 20mm Plain
M2492525	1" x 25mm Plain
M2493232	1 1/4" x 32mm Plain
M2494040	1 1/2" x 40mm Plain
M2495050	2" x 50mm Plain

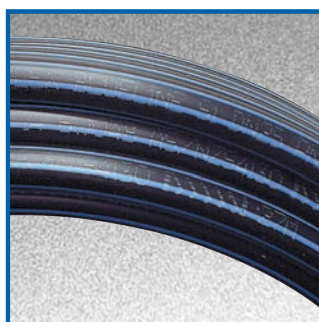


**METRIC
TAPPING SADDLE**

M076



M0762515	25mm x 1/2"	M0769015	90mm x 1/2"
M0763215	32mm x 1/2"	M0769020	90mm x 3/4"
M0763220	32mm x 3/4"	M0769025	90mm x 1"
M0763225	32mm x 1"	M0769032	90mm x 1 1/4"
M0764015	40mm x 1/2"	M0769040	90mm x 1 1/2"
M0764020	40mm x 3/4"	M0769050	90mm x 2"
M0764025	40mm x 1"	M07611020	110mm x 3/4"
M0764015	40mm x 1/2"	M07611025	110mm x 1"
M0765015	50mm x 1/2"	M07611040	110mm x 1 1/4"
M0765032	50mm x 1 1/4"	M07611050	110mm x 2"
M0765020	50mm x 3/4"	M07612550	125mm x 2"
M0765025	50mm x 1"	M07614050	140mm x 2"
M0765032	50mm x 1 1/4"	M076140100	140mm x 4"
M0766320	63mm x 3/4"	M07616025	160mm x 1"
M0766325	63mm x 1"	M07616040	160mm x 1 1/2"
M0766332	63mm x 1 1/4"	M07616050	160mm x 2"
M0766340	63mm x 1 1/2"	M07660100	160mm x 4"
M0766350	63mm x 2"	M07620050	200mm x 2"
M0767515	75mm x 1/2"	M07620075	200mm x 3"
M0767520	75mm x 3/4"	M07622575	225mm x 3"
M0767525	75mm x 1"	M076225100	225mm x 4"
M0767532	75mm x 1 1/4"	M07625050	250mm x 2"
M0767540	75mm x 1 1/2"	M07625075	250mm x 3"
M0767550	75mm x 2"	M07631550	315mm x 2"
		M07631575	315mm x 3"



**METRIC BLUE LINE
POLYETHYLENE
(PE 80B) PIPE**

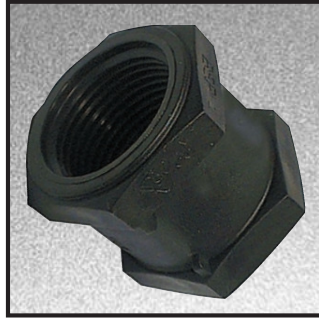
PBL

Manufactured to AS 4130

SIZE	PRESSURE RANGE
16mm	PN 12.5 to PN 16
20mm	PN 10 to PN 16
25mm	PN 6.3 to PN 16
32mm	PN 6.3 to PN 16
40mm	PN 6.3 to PN 16
50mm	PN 6.3 to PN 16
63mm	PN 6.3 to PN 16
75mm	PN 6.3 to PN 12.5
90mm	PN 6.3 to PN 12.5
110mm	PN 6.3 to PN 12.5

IPLEX
**THREADED
FITTINGS**
COUPLINGS & VALVES





SOCKET FEMALE – 5017
BSP THREADED, PP

501715	1/2" x 1/2"
501720	3/4" x 3/4"
501725	1" x 1"
501732	1 1/4" x 1 1/4"
501740	1 1/2" x 1 1/2"
501750	2" x 2"



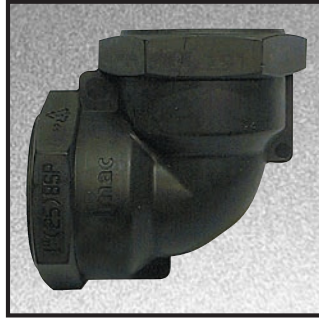
REDUCING BUSH – 5027
BSP THREADED, PP

50272015	3/4" x 1/2"
50272515	1" x 1/2"
50272520	1" x 3/4"
50273215	1 1/4" x 1/2"
50273220	1 1/4" x 3/4"
50273225	1 1/4" x 1"
50274015	1 1/2" x 1/2"
50274020	1 1/2" x 3/4"
50274025	1 1/2" x 1"
50274032	1 1/2" x 1 1/4"
50275020	2" x 3/4"
50275025	2" x 1"
50275032	2" x 1 1/4"
50275040	2" x 1 1/2"
50276550	2 1/2" x 2"
502710050	4" x 2"



TEE FEMALE – 5047
BSP THREADED, PP

504715	1/2" x 1/2"
504720	3/4" x 3/4"
504725	1" x 1"
504732	1 1/4" x 1 1/4"
504740	1 1/2" x 1 1/2"
504750	2" x 2"



**ELBOW FEMALE – 5057
BSP THREADED, PP**

505715	1/2" x 1/2"
505720	3/4" x 3/4"
505725	1" x 1"
505732	1 1/4" x 1 1/4"
505740	1 1/2" x 1 1/2"
505750	2" x 2"



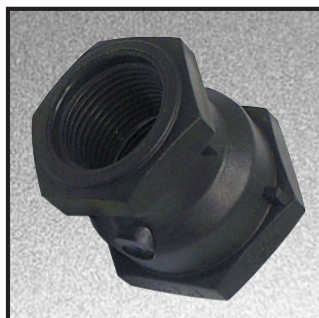
**REDUCING NIPPLE – 5065
BSP THREADED, PP**

50652015	3/4" x 1/2"
50652515	1" x 1/2"
50652520	1" x 3/4"
50653220	1 1/4" x 3/4"
50653225	1 1/4" x 1"
50654020	1 1/2" x 3/4"
50654025	1 1/2" x 1"
50654032	1 1/2" x 1 1/4"
50655025	2" x 1"
50655032	2" x 1 1/4"
50655040	2" x 1 1/2"



**NIPPLE – 5067
BSP THREADED, PP**

506715	1/2" x 1/2"
506720	3/4" x 3/4"
506725	1" x 1"
506732	1 1/4" x 1 1/4"
506740	1 1/2" x 1 1/2"
506750	2" x 2"



**REDUCING SOCKET 5117
FEMALE & FEMALE –
BSP THREADED, PP**

51172015	3/4" x 1/2"
51172520	1" x 3/4"
51173225	1 1/4" x 1/2"
51174032	1 1/2" x 1 1/4"



PLUG MALE – 5177
BSP THREADED, PP

517715	1/2"
517720	3/4"
517725	1"
517732	1 1/4"
517740	1 1/2"
517750	2"



COUPLING 5227
MALE & FEMALE –
BSP THREADED, PP

52272025	3/4" x 1"
52272520	1" x 3/4"



END CAP – 5077
BSP THREADED, PP

507715	1/2"
507720	3/4"
507725	1"
507732	1 1/4"
507740	1 1/2"
507750	2"



**QUICK COUPLING
VALVE, PP**

3039

303920
303925

3/4"
1"



**RISER FOR
QUICK COUPLING, PP**

3139

313920

3/4"



**TWO WAY VALVE,
PP**

3405

340520
340525

3/4"
1"

Providing you with better solutions

iplex

Pipelines

iPLeX **RURAL FITTINGS**

Delivers reliability and value-for-money with a fitting that is tough, durable and easy to install



Iplex Rural Polyethylene Pipe

(Imperial Size)

Iplex offers two grades of Imperial dimension polyethylene pipe for low head rural applications.

REDLINE PIPE is made from high density polyethylene and conforms to AS2698.2 "Plastic pipe and fittings for irrigation and rural applications part 2 – POLYETHYLENE RURAL PIPE". Nominal pressure to 600kPa for most applications. Redline pipe is reliable and provides the security and performance of pipe made to an Australian Standard.

ECONOMY PIPE is made from polyethylene material conforming to the requirements of Iplex Pipelines' own in-house manufacturing standard. Economy pipe is a reliable piping solution that is highly cost effective.

AVAILABLE FROM



For further enquiries contact
Iplex On-Line – 13 18 40
or visit our web site – **iplex.com.au**

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IPLEX **RURAL FITTINGS**

Reliability in the field

- Extended length of barb — reliable joint integrity for connection of Rural Pipe
- Toughness of material — high impact resistant, UV resistant, long life
- Full range of sizes and configurations from 1/2" to 2"
- Captive O-ring means easier to join pipe without turning off water supply
- Stainless steel reinforcing ring on larger sizes of female threads ensures improved long-term connection

Ease of Installation

- Fittings can be tightened by hand
- Established technology requiring no special training to install
- No chamfering or lubrication of pipe required
- Coarse threads won't clog up with dirt
- Distinctive green barb for easy identification for use on Rural Pipe

Security

- Well established and reliable technology specifically designed to suit Australian conditions
- Iplex Pipelines brand on fitting ensures peace of mind.

Iplex Rural Fittings provide world standard performance and real ease of use and convenience in the paddock.

Assembly Instructions

Iplex Rural compression fittings are designed especially for connecting rural poly pipe. Just follow these simple installation steps for a reliable, trouble-free joint.



- 1** Cut the pipe square and remove excess burrs. Disassemble the fitting and identify the central body, nut, split ring and insert components. Slide nut onto pipe, followed by the split ring.



- 2** Nut thread should be facing towards the central body with the tapered edge of the split ring facing the nut.



- 3** Push the barbed insert fully into the end of the pipe, until the moulded flange is butted against the pipe.



- 4** Push the pipe/insert into the central body of the fitting and push until the flange butts onto the central body.



- 5** Slide the split ring and nut towards the central body and screw the nut onto the body until the fitting is firmly tightened.

Note:

- 1** It may be necessary to gently knock the insert into the pipe using a wooden or rubber mallet.
- 2** Ensure that the O-ring seal is not dislodged from the insert during assembly.
- 3** For larger sizes it may be necessary to use a wrench or spanner to fully tighten the nut.

Dis-assembly

- Unscrew nut and slide away from central body, onto the pipe
- Remove pipe/insert from central body



COUPLING 7013

701320	3/4" x 3/4"
701325	1" x 1"
701332	1 1/4" x 1 1/4"
701340	1 1/2" x 1 1/2"
7013050	2" x 2"



REDUCING COUPLING 7113

71132520	1" x 3/4"
71133225	1 1/4" x 1"
71134032	1 1/2" x 1 1/4"
71135040	2" x 1 1/2"



THREADED MALE ADAPTOR 7023

70232015	3/4" x 1/2" Male
70232020	3/4" x 3/4" Male
70232520	1" x 3/4" Male
70232525	1" x 1" Male
70233225	1 1/4" x 1" Male
70233232	1 1/4" x 1 1/4" Male
70234032	1 1/2" x 1 1/4" Male
70234040	1 1/2" x 1 1/2" Male
70235040	2" x 1 1/2" Male
70235050	2" x 2" Male



THREADED FEMALE ADAPTOR 7033

70332020	3/4" x 3/4" Female
70332520	1" x 3/4" Female
70332525	1" x 1" Female
70333225	1 1/4" x 1" Female
70333232	1 1/4" x 1 1/4" Female
70334032	1 1/2" x 1 1/4" Female
70334040	1 1/2" x 1 1/2" Female
70335040	2" x 1 1/2" Female
70335050	2" x 2" Female



RURAL EQUAL TEE 7043

704320	3/4" x 3/4"
704325	1" x 1"
704332	1 1/4" x 1 1/4"
704340	1 1/2" x 1 1/2"
7043050	2" x 2"



REDUCING TEE 7343

73432520	1" x 1" x 3/4" Offtake
73433225	1 1/4" x 1 1/4" x 1" Offtake
73435040	2" x 2" x 1 1/2" Offtake



TEE WITH THREADED FEMALE OFFTAKE 7143

71432020	3/4" x 3/4" x 3/4" Offtake
71432515	1" x 1" x 1/2" Offtake
71432520	1" x 1" x 3/4" Offtake
71432525	1" x 1" x 1" Offtake
71433220	1 1/4" x 1 1/4" x 3/4" Offtake
71433225	1 1/4" x 1 1/4" x 1" Offtake
71434032	1 1/2" x 1 1/2" x 1 1/4" Offtake
71435040	2" x 2" x 1 1/2" Offtake
71435050	2" x 2" x 2" Offtake



ELBOW

7053

705320	3/4"
705325	1"
705332	1 1/4"
705340	1 1/2"
705350	2"



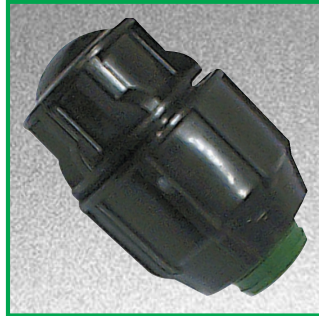
**ELBOW WITH
THREADED FEMALE
OFFTAKE** **7153**

71532015	3/4" x 1/2" Offtake
71532020	3/4" x 3/4" Offtake
71532515	1" x 1/2" Offtake
71532520	1" x 3/4" Offtake
71532525	1" x 1" Offtake
71533225	1 1/4" x 1" Offtake
71534032	1 1/4" x 1 1/2" Offtake
71535040	2" x 1 1/2" Offtake
71535050	2" x 2" Offtake



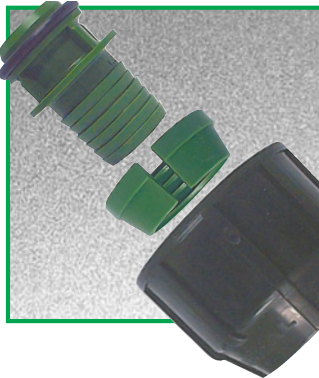
**ELBOW WITH
THREADED MALE OFFTAKE** **7853**

78532520	1" x 3/4" Offtake
78533225	1 1/4" x 1" Offtake



END PLUG **7123**

712320	3/4"
712325	1"
712332	1 1/4"
712340	1 1/2"
712350	2"



**IMPERIAL TO
METRIC CONVERSION KIT** **7003**

70032020	20mm to 3/4"
70032525	25mm to 1"
70033232	32mm to 1 1/4"
70034040	40mm to 1 1/2"
70035050	50mm to 2"



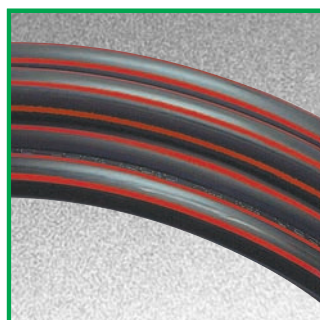
TAPPING SADDLES R076

R0763225
R0764020

1 1/4" x 1"
1 1/2" x 3/4"

R0764025
R0765020
R0765020

1 1/2" x 1"
2" x 3/4"
2" x 1"



RED LINE POLYETHYLENE PIPE PICR

Manufactured to AS 2698.2

PICR 20	3/4"
PICR 25	1"
PICR 32	1 1/4"
PICR 40	1 1/2"
PICR 50	2"



ECONOMY POLYETHYLENE PIPE PICH

PICH 20	3/4"
PICH 25	1"
PICH 32	1 1/4"
PICH 40	1 1/2"
PICH 50	2"

Providing you with better solutions

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Pipelines