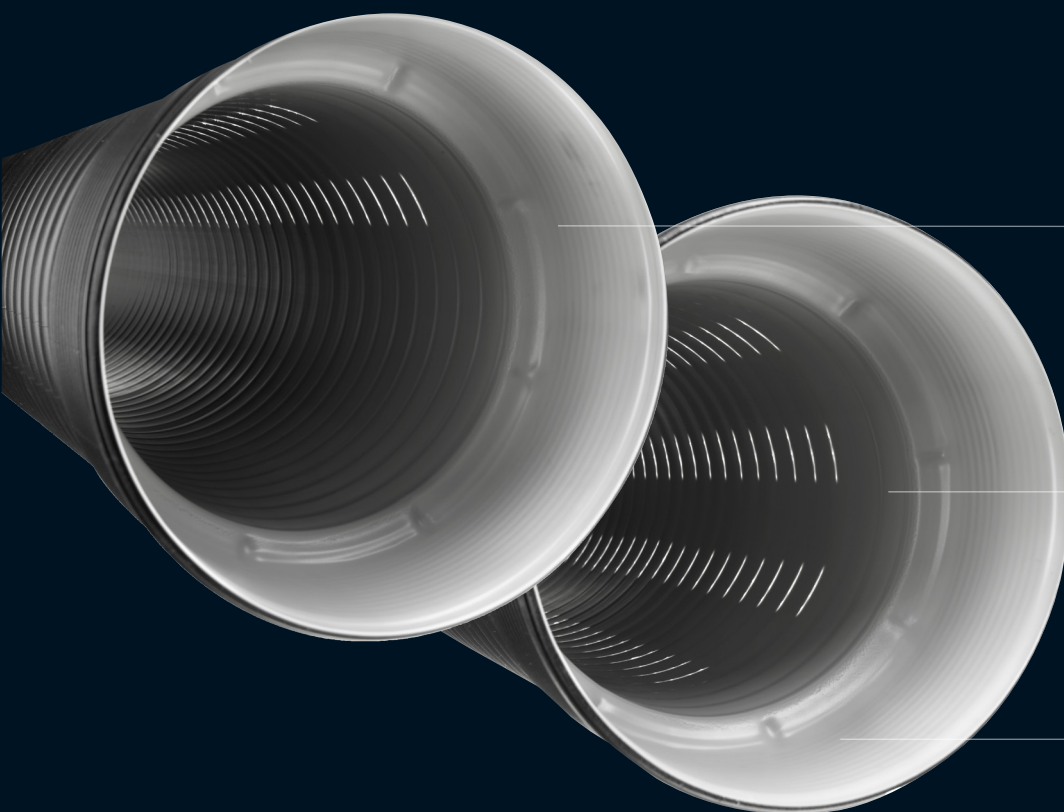


IQ drainage pipes
Technical datasheet

uponor



IQ drainage pipes



Complete drainage system

The IQ system contains all elements of pipes, fittings and associated chambers.

Easy inspection

The white inside of the pipes makes it easy to inspect the system.

100 års forventet levetid

Strong and durable solution with a long service life.

Uponor IQ drainage pipes

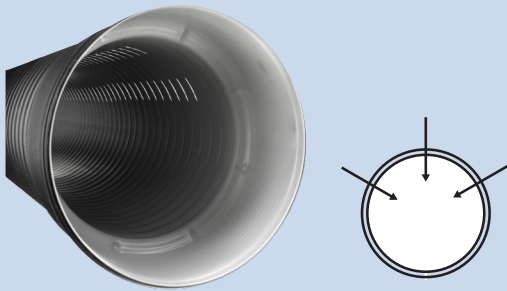
IQ drainage pipes are used as drainage pipes in many kinds of applications in the transport, municipal, commercial and residential segments, as well as in agriculture and forestry. The range includes full slotted and top slotted drainage pipe versions. The pipes have an integrated in-line socket and are made with double layers with a smooth inside. Uponor IQ drainage pipes can advantageously be installed for drainage with high load demands such as roads, embankments and airfields with a filling height of 0,8-6 metres.

Application	Drainage
Material	Polypropylene and Polyethylene
Colour	Black outer layer and white inner layer
Dimensions	ID200-400mm
Lengths	6m
Standards	NPG PS 116 (ø 200, 300 and 400 mm) EN 13476-1 and -3 SS 3520, NS 3065, SFS 5675 & DS 2077

Properties

System and material properties	Value	Unit	Standard / Test method
Density	900	kg/m ³	ISO 1183
Ring stiffness	SN8	kN/m ²	ISO 9969
Long-term modulus of elasticity E50	425	MPa	ISO 527-2
Short-term modulus of elasticity E50	1650	MPa	ISO 527-2
Coefficient of thermal expansion	0,18	mm/m°K	
Thermal conductivity	0,22	W/ m°K	DIN 52612 v. 23°C
Max. continuous operating temp.	45	°C	
Max. instantaneous operating temp.	95-100	°C	

Top slotted IQ pipes



PP pipe with inline socket, 6m

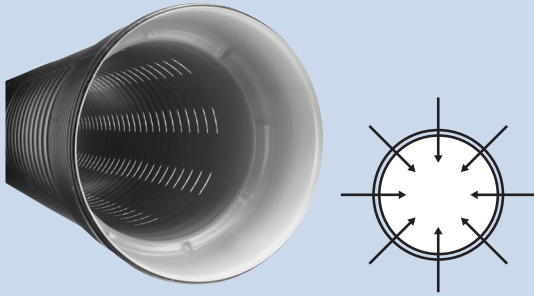
Top slotted in 3 rows. Dimension 150mm: 9 - 12 - 3 o'clock, other dimensions: 10 - 12 - 2 o'clock

Uponor no.	Dimension De/DN mm	Slot length mm	Slot width mm	Number of slot rows	Hole area min. mm ² /m	Number of slots per m	Package size
1055412	110/95 **	20-30	1-1,5 *	3	3000	240	50
1050973	160/138 **	35-50	1-1,5 *	3	3000	183	28
1055345	225/200	10-40	1-1,5 *	3	3000	120	16
1055347	338/300	10-40	1-1,5 *	3	3000	166	6
1055348	450/400	10-40	1-1,5 *	3	3000	66	4

* Tolerance on slot width -0/+0,5mm

** Dimensions are produced by PE with socket

Full slotted IQ pipes



PP pipe with inline socket, 6m

8 SLOTS placed in: 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°

6 SLOTS placed in: 0°, 60°, 120°, 180°, 240° and 300°

Two grey stripes placed in: 0°

Uponsor no.	Dimension De/DN mm	Slot length mm	Slot width mm	Number of slot rows	Hole area min. mm ² /m	Number of slots per m	Package size
1058703	225/200	10-40	1-1,5 *	8	7500	320	16
1058704	338/300	10-40	1-1,5 *	8	7500	280	6
1058705	450/400	10-40	1-1,5 *	8	7500	130	4

* Tolerance on slot width -0/+0,5mm

PE pipe with socket, 6m

6 SLOTS placed at: 1-3-5-7-9-11 o'clock (evenly distributed around the pipe)

4 SLOTS placed at: 1-4-7-10 o'clock (evenly distributed around the pipe)

Uponsor no.	Dimension De/DN mm	Slot length mm	Slot width mm	Number of slot rows	Hole area min. mm ² /m	Number of slots per m	Package size
1054744	110/95	8-25	1-1,5 *	6	6000	480	57
1050970	110/95	8-25	1-1,5 *	4	6000	240	50
1050972	160/140	10-30	1-1,5 *	4	6000	244	28

* Tolerance on slot width -0/+0,5mm

Moving
> Forward

uponor

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