



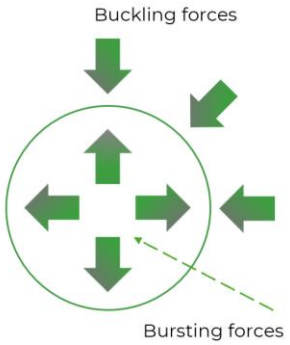
INFRAPIPE™
SUSTAINABLE SOLUTIONS FOR GENERATIONS TO FOLLOW

SDR VS SN – USE THE RIGHT PIPE!

An SDR solid wall pipe is designed to contain internal pressure (10-20 bar). This requires very thick walls to resist the bursting forces.

An SN profile pipe needs only resist external buckling forces.

For gravity pipe you only need a SN rated profile pipe, no bursting strength is required.



A profile pipe works by using the height of the profile to maximise the Distance of Inertia and the Moment of Inertia from having more mass at a distance to create **the same mechanical strength as a solid wall pipe but with only 20%-30% of the weight**. The savings are significant:

Figure 1 SDR and profile pipes with Cost as Size



INFRAPIPE can easily be continuously welded like solid wall pipe, or bolted

Table 1 Data for Figure 1 showing SDR for PN

SN	SDR	PN	kg/m
8	-	0.8	39
16	-	0.8	54
12	-	0.8	47
23	-	0.8	61
39	-	0.8	82
93	-	0.8	190
4.9	**26**	6.3	131
12	**21**	8	179
23	**17**	10	228
39	**13.6**	12	278
91	**11**	16	389

ABOVE SN16 IS ONLY 7M+ DEEP INSTALLATIONS, KIWIRAIL AND AIRPORTS. THE USE OF SDR (PRESSURE) PIPE FOR GRAVITY APPLICATIONS IS INCORRECT AND THREE TIMES MORE EXPENSIVE AND SHOULD BE AVOIDED.

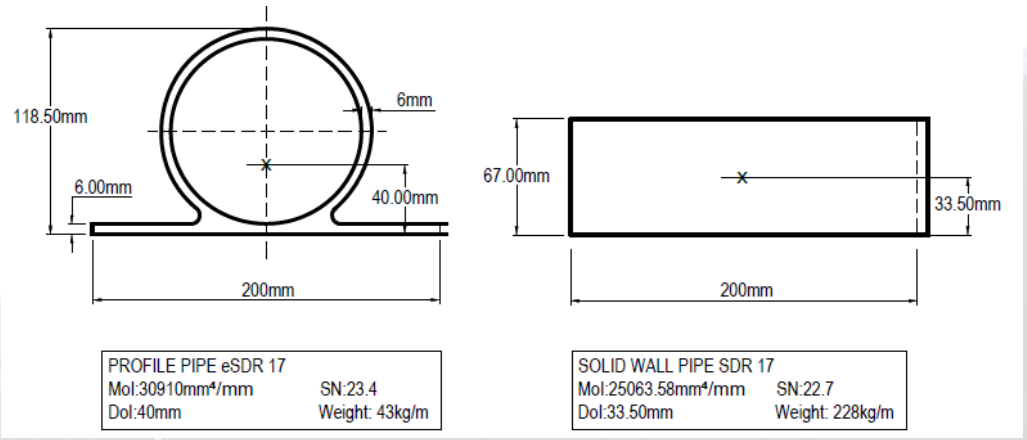


Figure 2 The profile pipe has the same SN rating with 20% of the weight by using mechanical advantage



INFRAPIPE™
SUSTAINABLE SOLUTIONS FOR GENERATIONS TO FOLLOW

SOME COOL PROJECTS INFRAPIPE™ INFRATANK

SUSTAINABLE SOLUTIONS FOR GENERATIONS TO FOLLOW

BIGGEST DELIVERED UNDERGROUND TANKS IN NZ



AUCKLAND PORT
DN2500
CUSTOM BEND AND RISER



WAIHEKE
13m DN1600 and DN1500
PILE LINERS



WHANGAREI PORT NIKAU
320m SN16 DN225-600
CIVILPIPE CULVERTS



KAIPARA
CULVERTS UP TO SN92 DN600-900 FOR THE NORTHERN LINE KIWIRAIL

AUCKLAND AIRPORT
DN2500
MANHOLE



MANGERE
DN3200 SN4 42m
WASTEWATER BRIDGE



TAURANGA
180m DN900
22DEG GRADIENT 4 MANHOLES



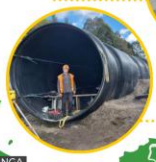


PUKEKOHE
DN1500 SN2 40m
STREAM DIVERSION

PUKEKOHE
60m DN1000
SOLID WALL UNDER RAILWAY



TAURANGA
DN2500 & DN2000
CLARIFIER



TAURANGA
40m DN3200 SN40+
WITH RISER AND BEND

MORRINSVILLE
26m DN2500
CULVERT





WAIKATO
DN1800 SN8 4m



TAUPO
550m SN8 DN375-900
HE AHI

HAMILTON
100m³ DN2500
WASTE WATER TANK

HAMILTON
204m³ TANK DN3200 + 908m DN525/600



NEW PLYMOUTH
DN1350 SN11 91m
CULVERT DIVERSION WITH 2 BENDS

NEW PLYMOUTH
118m³ DN3200





WHAKAAHU
38m DN2500 SN15.3
STOPBANK REMEDIAL WORK

WELLINGTON
212m DN375-1000 SN16



TAMAHERE
86m³ DN2500
FIRE FIGHTING TANK

BLENHEIM
32*DN1500 MANHOLES
FOR GROWING PLANTS





NELSON
31m DN900
TO REPLACE DESTROYED WATER MAIN

NELSON
240m DN600 and 18m DN1000
FOR AQUACULTURE

PATOKA HAWKE'S BAY
30m of SN8 DN3200
CULVERT PIPE





WAIRARAPA
30m DN1000



PUKETITIRI HAWKE'S BAY
DN2500 SN8 23.2m & DN900 SN8 11.6m
CYCLONE GABRIEL REPAIRS IN FOREST



NELSON
DN1800 SN8 2*130m
SLIPLINED THROUGH 60m OF BOX CULVERT



HAWKE'S BAY
32m SN8 DN3200



KINGSTON
400m SN8 & 16 DN1500 & 1800
STORMWATER UPGRADE

MANAWATU
250m SN6 DN225-450
CULVERT PIPES



HAWKE'S BAY
40m SN4 DN3200



CHRISTCHURCH
28m DN700 & DN2000
MANHOLE

PALMERSTON NORTH
DN800 SN8 156m
CIVILPIPE FOR SW UPGRADES



MANAWATU
120m³
DN2500 SN8
FIRE SUPPLY TANK

MANAWATU
DN2000 SN35 4m
PUMP CHAMBER



This is just a sample of the projects we have fulfilled showing how versatile, how strong and how easy to handle our KRAH™ HDPE product is.



INVERCARGILL
34m DN2500

ISO 9001 Certified ApprovalMark

ISO TYPE 5
AS/NZS 4130:2018
AMI:74999

ISO TYPE 5
AS/NZS 5065:2005
AMI:74961

NEW ZEALAND MADE™

CONTACT OUR TEAM: infrapipe.co.nz | sales@infrapipe.co.nz | 09 869 3030 | 3 Averton Place, East Tamaki, Auckland 2013 | INFRAPIPE NZ