

Environmental Product Declaration

In accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021 for:

HYNDS PIPE SYSTEMS Hynds Precast Concrete Box Culverts

EPD of multiple products, based on a representative product. The products covered in the EPD are listed on page 18.



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ABOUT US

Founded in 1973 by John and Léonie Hynds, the privately owned Hynds Group of Companies is New Zealand's premier product supplier for the management of water and water-based waste in the civil and rural infrastructure markets.

Hynds Pipe Systems Limited is the largest operating company within the Hynds Group, and is split into two operating divisions: Manufacturing and Sales & Distribution.

Hynds Concrete Manufacturing operates six factory sites across New Zealand, operating independently audited ISO9001 quality, ISO45001 health and safety, and ISO14001 environmental management systems (see hynds.co.nz/about-us/ for certificates).

Hynds operates a sales & distribution network of 36 branches and 3 distribution centres throughout New Zealand supplying over 40 000 product types for drainage, watermain, environmental, industrial process and rural applications.

The Hynds' fleet of 70 delivery trucks ensure reliable stock

availability and delivery to all corners of the country.

From its early inception five decades ago, Hynds has been focused on delivering positive change with industry-leading, sustainable solutions. The manufacture of products to support stormwater and wastewater treatment, and ultimately to protect the environment, remains at the heart of our product innovation today.



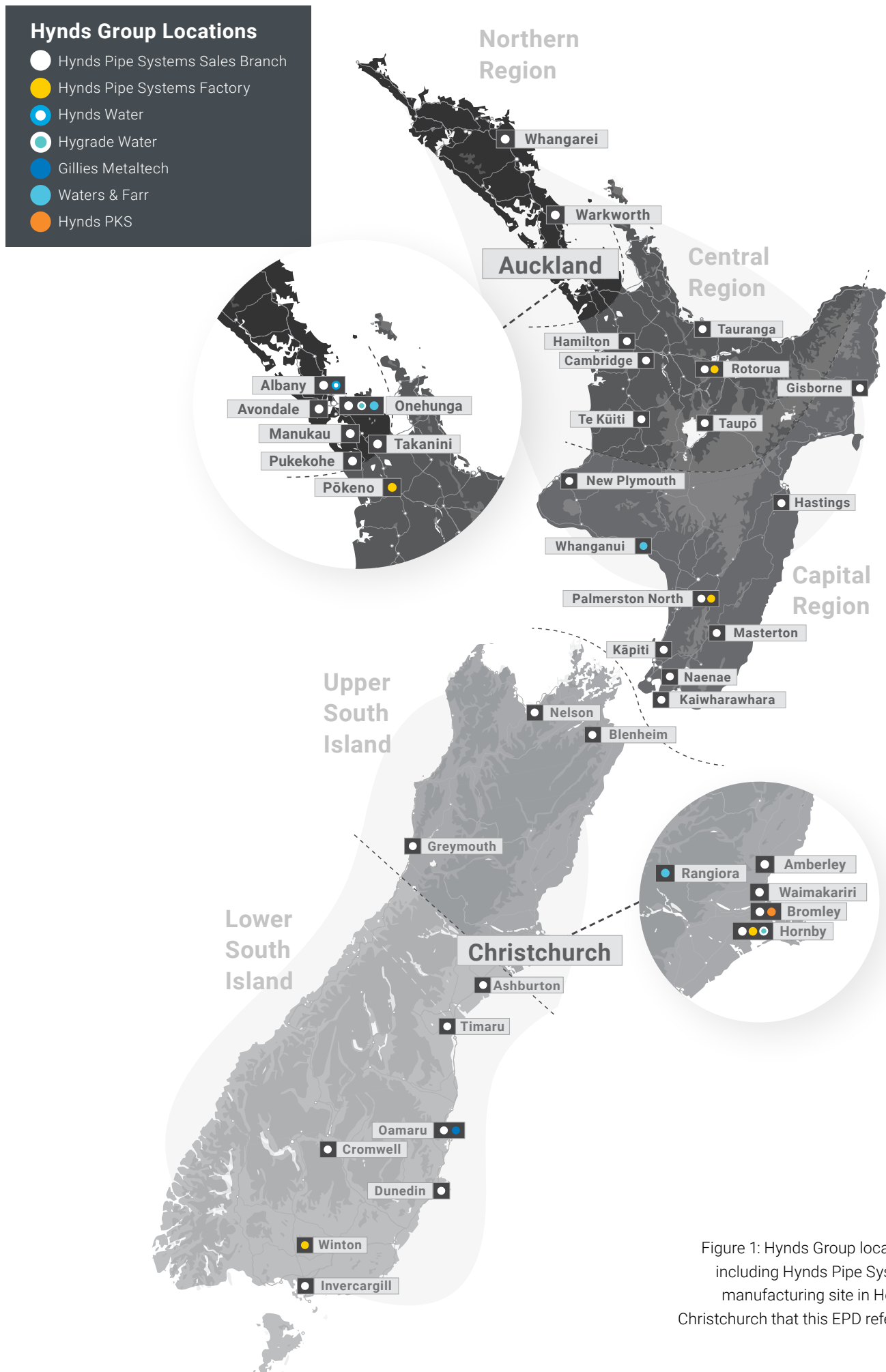


Figure 1: Hynds Group locations, including Hynds Pipe Systems manufacturing site in Hornby, Christchurch that this EPD refers to.

HYNDS SUSTAINABILITY

Our business was built around finding sustainable solutions to support the three waters (*drinking water, wastewater and stormwater infrastructure services*) and ultimately keeping our country's waterways clean and our communities safe – both for today and for future generations.

Hynds has adopted a sustainability framework which focuses on three strategic pillars; the planet (our natural environment), people (our people but also our wider communities and stakeholders) and products (innovating and building resilience into what we do to meet the needs of future generations).

Addressing the effects of climate change is a huge challenge that we all face. Hynds believes that addressing climate change will make us better off and is committed to New Zealand's transition to a low-emissions economy. Hynds has committed to a 42% reduction in Scope 1 (direct) and Scope 2 (indirect) carbon emissions by 2032.

To support our customer's sustainability goals, Hynds now offers a lower carbon product range, HyndsLC®. The new HyndsLC® range assists our customers in meeting their sustainability requirements without compromising on quality and durability.

For more information on Hynds sustainability framework and HyndsLC® range, visit

hynds.co.nz/sustainability/

or email sustainability@hynds.co.nz.

HYNDS[®]LC
Our low carbon future



PRODUCT INFORMATION

Products Covered by EPD

This EPD covers the Hynds Precast Concrete Box Culverts manufactured at Hynds precast concrete manufacturing plant in Hornby, Christchurch. The full range of products covered by this EPD are given in the Product Mass Table (Table 16).

The Hynds Precast Concrete Box Culverts range is generally only supplied to South Island projects.

Product Description

As the leading manufacturer of reinforced concrete box culvert in New Zealand, Hynds' manhole lid rings are available in a wide range of size and strengths.

Hynds Reinforced Concrete Box Culvert are manufactured using high strength concrete (50 MPa or greater), hard drawn steel wire. The concrete consists of coarse and fine aggregates, cement and chemical admixtures.

Hynds Precast Concrete Box Culvert Units are designed to be used as stormwater culverts, stock underpasses for rural highway crossings, pedestrian tunnels, and vertical chambers.

Declared Unit

The declared unit for the EPD is one kg of reinforced concrete box culvert. A conversion table is provided with product weights for all products covered by this EPD, as required (see Table 16).

Design Standard

Hynds Precast Concrete Box Culverts are designed and manufactured to the requirements of NZS 3101 and NZS 3109.

The Standard ranges of Hynds Reinforced Concrete box culvert have a specified intended service life of 100 years when correctly installed in a non - aggressive environment.

Packaging

The product is transported without packaging.

Dangerous Substances

All products covered by this study as supplied are non-hazardous, and do not contain any substances of very high concern as defined by European REACH regulation in concentrations >0.1% (m/m). Precast concrete products and pipes are classified as non-dangerous goods according to the Land Transport Rule: Dangerous Goods 2005. Provide this reference here (ECHA, 2022)

When concrete products are cut, sawn, abraded or crushed, dust is created which contains crystalline silica, some of which may be respirable (particles small enough to go into the deep parts of the lung when breathed in), and which is hazardous. Exposure through inhalation should be avoided. Dust from these products is classified as Hazardous under the Hazardous Substances and New Organisms Act 1996 (HSNO Act) and is subject to Workplace Exposure Standards (WorkSafe NZ WES-BEI indices Edition 13, April 2022).

Table 1: Industry classification

Product	Classification	Code	Category
Product name/type	UN CPC Ver.2	3755	Prefabricated structural components for building or civil engineering, of cement, concrete or artificial stone
	ANZSIC 2006	2034	Concrete Product Manufacturing

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Table 2: Composition of Hynds Precast Concrete Box Culverts (per 1 kg)

Product components	Weight, kg	Post-consumer recycled material, weight-% of product	Biogenic material, weight-% of product	Biogenic material, kg C/product or declared unit
Ready mixed concrete	0.944 (0.913 - 0.962)	0	0	0
Bar	0.0561 (0 - 0.0867)	0	0	0
Total	1	0	0	0

**Individual masses may not sum to total due to rounding. See Table 16 for mass conversion factors.*

No products declared within this EPD contain substances exceeding the limits for registration according to the European Chemicals Agency’s “Candidate List of Substances of Very High Concern for authorisation” (European Union, 2024). Reinforced concrete box culvert are not classified as dangerous goods according to the Land Transport Rule: Dangerous Goods 2005.

Table 3: Composition of packaging (per 1 kg product)

Packaging materials	Weight, kg	Weight-% (versus the product)	Weight biogenic carbon, kg C/kg of product
Product’s packaging	0	0	0
Total	0	0	0

Manufacturing Process

Hynds Precast Concrete Box Culverts are manufactured at Hynds precast concrete manufacturing site in Hornby, Christchurch, using spun pipe technology.

Hynds Precast Concrete Box Culverts are also manufactured using a manual wet-casting process, utilizing the latest European and Japanese mould technology to ensure that the product meets strict quality requirements. This process uses high strength, wet-cast concrete batched on-site and controlled curing conditions to provide high quality durable products.



HYNDS PROCESS



Diagram of Hynds process

System boundaries

As shown in the table below, this EPD has a scope of cradle-to-gate with options, modules C1-C4, module D and with additional modules (type b). The additional module is A4.

Table 4: Modules included in the scope of the EPD

	Product stage			Construction process stage		Use stage							End of life stage				Recovery stage
	Raw material supply	Transport	Manufacturing	Transport	Construction / Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction / demolition	Transport	Waste processing	Disposal	Future reuse, recycling or energy recovery potential
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Modules declared	X	X	X	X	ND	ND	ND	ND	ND	ND	ND	ND	X	X	X	X	X
Geography	GLO	GLO	NZ	NZ	-	-	-	-	-	-	-	-	NZ	NZ	NZ	NZ	NZ
Share of specific data	80%			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation: product groups	15%			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Variation: sites	0%			-	-	-	-	-	-	-	-	-	-	-	-	-	-

X = included in the EPD; ND = Module not declared

*Share of specific data is calculated based on the GWP-GHG results and A1-A3 processes. Energy data (e.g. electricity, LPG) and material data pertaining to primary resource inputs (e.g. concrete, slag, GGBFS, steel) is specific, however data pertaining to the consumables used in manufacturing are not specific. This is consistent across both manufacturing sites.

Production (Modules A1-A3)

The production stage includes the environmental impacts associated with raw materials extraction and processing of inputs, transport to, between and within the manufacturing site, and manufacturing of average product at the exit gate of the manufacturing site. CO₂ absorption effects due to concrete carbonation during the products' life cycle are not taken into account in any of the declared modules

Transport to site (Module A4)

The average transport distance from Hynds Christchurch manufacturing site to customer sites is 100 km.

End of Life (Modules C1-C4)

When infrastructure reaches the end of its functional life, it is typically demolished and disposed of making way for new infrastructure. Box culvert are a special case since they are typically buried and are often simply abandoned. Other options are for the box culvert to be exhumed and sent for recycling or exhumed and sent to landfill.

Scenarios shall be realistic and representative of one of the most probable alternatives and shall not include processes or procedures that are not in current use, or which have not been demonstrated to be practical.

This study assumes that the most likely scenario is that the box culvert will be abandoned. It is not economically feasible to remove and recover box culvert at the end of their service life. According to Hynds, decommissioned box culvert are usually left in ground. No additional processes are included at end-of-life to model the decommissioning of a box culvert.

Recovery and Recycling potential (Module D)

Module D declares a potential credit or burden for the net scrap associated with a recycled product. As the box culvert is modelled as abandoned in the ground there is no credit for concrete or steel recycled. Default factors from PEF R2 values are therefore not used and are replaced with 0 (European Commission, 2020).

Table 5: End of life scenario and processes, per declared unit (1 kg)

Scenario / Module	Parameter	Left in ground
Deconstruction (C1)	Process and assumptions	n/a
	kg collected	0
Transport (C2)	Process and assumptions	n/a
	kg transported	0
Waste processing (C3)	Process and assumptions	n/a
	kg for re-use	0
	kg for recycling	0
Disposal (C4)	Process and assumptions	n/a
	kg disposed	0

Life Cycle Inventory (LCI) Data and Assumptions

Primary data was used for all manufacturing operations up to the factory gate, including upstream data for general purpose (GP) cement. Primary data were collected based on output data from Hynds systems during July 2023 – June 2024, excluding the sourcing of steel reinforcing wire and mesh which uses 2023 calendar year data.

Background datasets were obtained from Environmental Product Declarations (EPD) specific to suppliers in the case of steel and cement (EPD details omitted because of confidentiality), and EPDs covering similar products i.e. admixtures. All other materials were from the ecoinvent database 3.11 (Wernet, 2016). The reference year for most datasets range from 2019-2024.

Steam curing using natural gas as an energy input, takes place based on the need to turn around a product to fulfill an order. Records associated with steam curing use on a product by product basis is not available. Therefore, natural gas use has been allocated according to the mass of the concrete.

Electricity

Purchased electricity accounts for 100% of electricity use at Pokeno. It has been modelled using the residual electricity mix of the market.

The composition of the residual electricity grid mix of New Zealand is modelled in LCA FE based on published data for the year 1 April 2021 – 31 March 2022 (BraveTrace, 2023). The New Zealand residual electricity mix is made up of hydro (56.6%), geothermal (19.7%) natural gas (12.5%), wind (6.55%), coal (4.25%), biomass (0.266%) and biogas (0.160%).

Onsite consumption (3.00%), and the low voltage (<1kV) grid's transmission and distribution losses (6.73%) are calculated based on data from the Ministry of Business, Innovation & Employment (MBIE, 2023). The emission factor for the New Zealand residual grid mix for the GWP-GHG indicator is 0.151 kg CO₂-eq./kWh (based on EF3.1).

Transport

Primary transport data was collected for most input materials to the product. The transport data included the transport modes and distances from suppliers. Transport distances were mapped against each line of Bill of Material (BOM) data and used to calculate upstream transport impacts.

All auxiliary materials and minor input materials were estimated to travel 24 km by truck and be shipped 10 622 km (from Shanghai).

Transport modes:

- Transport, freight, lorry 7.5-16 metric ton, EURO5.
- Transport, freight, sea, container ship.

Cut off criteria

thinkstep consistently exclude impacts from infrastructure, construction, production equipment, and tools that are not directly consumed in the foreground production process, ('capital goods') regardless of potential significance.

Infrastructure/capital goods are excluded from all MLC datasets. An important exception is the inclusion of capital goods for electricity generation, where the capital goods are very important for modelling of changes towards more renewable generation. Capital goods related to electricity generation are included in all MLC electricity datasets.

Note: The system boundaries on manufacturing of equipment and for employees are not regarded as limiting the scope of the inventory or as an incomplete inventory (i.e. a cut-off).

Cut-off criteria were applied to the following:

Cut-off was applied to the packaging of raw materials and the packaging materials which accompany the wooden dunnage (included) in minor quantities. Raw materials are delivered in bulk and represents a proportion below 1% of cumulative mass and environmental relevance of inputs to the product.

Allocation

It was not possible to discern the specific quantities of energy (natural gas, electricity, diesel), water, consumables, dunnage and wastes per product. Data was available at the site-wide level and is allocated to products.

Mass of concrete is used for allocation:

- Allocation of energy (natural gas, electricity and diesel) is based on mass of concrete per product as concrete production and movement is the main driver for on-site energy consumption.
- Water input is allocated based on mass of concrete as batching is the primary area of water use.
- Inputs and (outputs) such as consumables, dunnage and wastes (data collected at site-wide level) are allocated based on mass of concrete for consistency.

Waste generated by the site are not product specific and hence are allocated per product based on mass allocation (i.e. as a factor of specific product mass and total mass of products manufactured at the facility). Reinforcing steel wire and steel fibres including any steel scrap inputs is based on EPD data. The following allocation process occurred.

- Steel Supplier 1's reinforcing bar and wire co-product allocation is proportioned by physical mass according to EN15804 and ISO14044 guidance. Scrap steel input allocation is unclear and likely to have zero burden applied.
- Steel Supplier 2 did not require co-product allocation as data was provided for individual products. Scrap steel input was modelled with an environmental burden based on economic allocation.
- Steel fibre Supplier has a co-product allocation based on product mass basis (17% of total mass production in the manufacturer's facility). Scrap steel input allocation is unclear and likely to be zero burden.

Noting the above Steel Fibre Supplier and Steel Supplier 1 EPDs, PCR suggests that: “Some LCI databases include datasets that are described as being compliant with the allocation rules of EN 15804, but which have been modelled using cut-off allocation (i.e., waste allocation according to Section 4.5.2) for some production (A1-A3) scrap.... Such datasets can be used without adjustments, if the production scrap has no, negligible, or negative economic value (as co-product allocation then yields the same or nearly the same result as cut-off allocation, see Section 4.5.2) or if it can be justified that co-product allocation is not possible (if so, the use of cut-off allocation shall be declared in the EPD). Otherwise, such datasets shall be adjusted by manually adding an environmental burden in compliance with EN 15804 or as a conservative assumption” (section 4.5.5, (EPD International, 2024)).

In the case of Steel Supplier 1 and Steel Fibre Supplier EPDs (used as inputs for this study), any open scrap inputs into manufacturing remain unknown, and so have been treated as ‘burden free.’ This is not consistent with the PCR – however, adjusting Steel Supplier 1 and Steel Fibre Supplier EPDs is not possible. As per Section 4.5.2 of the PCR, if it can be justified that co-product allocation is not possible the use of cut-off allocation shall be declared in the EPD.

Explanation of Representative Products & Variation

This is an EPD of multiple products, based on a representative product. The representative product is closest to or matches the sales-weighted average GWP-GHG impacts of the product group. The variation between individual products in the group is up to 15% for modules A1-A3, for the GWP-GHG indicator



RESULTS

Assessment Indicators

The results tables describe the different environmental indicators for each product per declared unit, for each declared module. The EN 15804 reference package based on EF 3.1 has been used.

The first section of each table contains the environmental impact indicators, describing the potential environmental impacts of the product as shown in Table 11. The second section shows the resource indicators, describing the use of renewable and non-renewable material resources, renewable and non-renewable primary energy and water, as shown in Table 12. The final section of each table displays the waste and other outputs, as shown in Table 13.

The use of primary energy is separated into energy used as raw material and energy used as energy carrier as per option C in Annex 3 of the PCR (EPD International 2024).

The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks.

Energy indicators (MJ) are always given as net calorific value.

Table 6: Indicators for life cycle impact assessment

Impact category	Indicator	Unit
Climate change – total	GWP-total	kg CO ₂ -eq.
Climate change – fossil	GWP-fossil	kg CO ₂ -eq.
Climate change – biogenic	GWP-biogenic	kg CO ₂ -eq.
Climate change – land use and land use change	GWP-luluc	kg CO ₂ -eq.
Ozone depletion	ODP	kg CFC-11 eq.
Acidification	AP	Mole of H ⁺ eq.
Eutrophication aquatic freshwater	EP-freshwater	kgP eq.
Eutrophication aquatic marine	EP-marine	kgN eq.
Eutrophication terrestrial	EP-terrestrial	Mole of N eq.
Photochemical ozone formation	POCP	kgNMVOC eq.
Depletion of abiotic resources – minerals and metals ^{1,2}	ADP-m&m	kgSb eq.
Depletion of abiotic resources – fossil fuels ¹	ADP-fossil	MJ
Water use ¹	WDP	m ³ world equiv.

Table 7: Life cycle inventory indicators on use of resources

Indicator	Abbreviation	Unit
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	PERE	MJ
Use of renewable primary energy resources used as raw materials	PERM	MJ
Total use of renewable primary energy resources	PERT	MJ
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	PENRE	MJ
Use of non-renewable primary energy resources used as raw materials	PENRM	MJ
Total use of non-renewable primary energy resources	PENRT	MJ
Use of secondary material	SM	kg
Use of renewable secondary fuels	RSF	MJ
Use of non-renewable secondary fuels	NRSF	MJ
Total use of net fresh water	FW	m ³

Table 8: Life cycle inventory indicators on waste categories and output flows

Indicator	Abbreviation	Unit
Hazardous waste disposed	HWD	kg
Non-hazardous waste disposed	NHWD	kg
Radioactive waste disposed	RWD	kg
Components for reuse	CRU	kg
Materials for energy recovery	MER	kg
Materials for recycling	MFR	kg
Exported electrical energy	EEE	MJ
Exported thermal energy	EET	MJ

Table 9: Biogenic carbon content indicators

Indicator	Abbreviation	Unit
Biogenic carbon content - product	BCC-prod	kg
Biogenic carbon content - packaging	BCC-pack	kg

Table 10: Additional Environmental Impact Indicators

Indicator	Abbreviation	Unit
Climate Change³	GWP-GHG	kg CO ₂ -eq.
Particulate Matter emissions	PM	Disease incidences
Ionising Radiation – human health⁴	IRP	kBq U235 eq.
Eco-toxicity (freshwater)⁵	ETP-fw	CTUe
Human Toxicity, cancer⁵	HTP-c	CTUh
Human Toxicity, non-cancer⁵	HTP-nc	CTUh
Land use related impacts / soil quality⁵	SQP	Dimensionless

¹The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

²The results of the impact categories abiotic depletion of minerals and metals, land use, human toxicity (cancer), human toxicity, noncancer and ecotoxicity (freshwater) may be highly uncertain in LCAs that include capital goods/ infrastructure in generic datasets, in case infrastructure/ capital goods contribute greatly to the total results. This is because the LCI data of infrastructure/capital goods used to quantify these indicators in currently available generic datasets sometimes lack temporal, technological and geographical representativeness. Caution should be exercised when using the results of these indicators for decision-making purposes.

³ This indicator should be identical to GWP-total except that the CF for biogenic CO₂ is set to zero. It has been included in the EPD following the PCR (EPD International, 2024). In this study, it is calculated by subtracting the value of Climate change – biogenic (GWP-biogenic) from the value of Climate change – total (GWP-total) since the ecoinvent Excel LCIA results do not include the indicator.

⁴ This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

⁵The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator



Environmental performance per 1 kg of Hynds Precast Concrete Box Culverts

Table 11: Core environmental indicators

Indicator	Unit	A1-A3	A4	C1	C2	C3	C4	D	A-C
GWP-total	kg CO ₂ -eq.	2.92E-01	2.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	14.2%
GWP-fossil	kg CO ₂ -eq.	2.91E-01	2.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	14.3%
GWP-biogenic	kg CO ₂ -eq.	1.34E-03	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32%
GWP-luluc	kg CO ₂ -eq.	1.86E-04	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	15.6%
ODP	kg CFC11-eq.	1.48E-09	3.14E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	14.7%
AP	Mole of H ⁺ eq.	1.88E-03	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	33.5%
EP-freshwater	kg P eq.	6.41E-05	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	31.8%
EP-marine	kg N eq.	3.96E-04	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	26.0%
EP-terrestrial	Mole of N eq.	4.36E-03	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	25.7%
POCP	kg NMCOC eq.	1.29E-03	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	26.2%
ADP-m&m	kg Sb-eq.	1.37E-06	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	15.5%
ADP-fossil	MJ	2.47E+00	3.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	24.7%
WDP	m ³ world eq.	1.12E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.958%

Table 12: Resource use indicators

Environmental Impact	Unit	A1-A3	A4	C1	C2	C3	C4	D
PERE	MJ	3.06E-01	5.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERM	MJ	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PERT	MJ	3.06E-01	5.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRE	MJ	2.39E+00	3.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRM	MJ	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PENRT	MJ	2.40E+00	3.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SM	kg	4.75E-02	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	4.40E-05	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	6.40E-03	4.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

The results for A1-A3 should not be analysed without considering the impacts represented by module C

Table 13: Waste output flow indicators

Waste and output flows	Unit	A1-A3	A4	C1	C2	C3	C4	D
HWD	kg	9.96E-03	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NHWD	kg	1.52E-01	1.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RWD	kg	2.04E-06	2.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CRU	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MFR	kg	1.25E-04	3.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MER	kg	2.84E-06	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EEE	MJ	2.71E-04	2.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EET	MJ	2.61E-04	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 14: Additional indicators

Waste and output flows	Unit	A1-A3	A4	C1	C2	C3	C4	D
GWP-GHG	kg CO ₂ -eq.	2.91E-01	2.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PM	Disease incidences	2.00E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IRP	kBq U235 eq.	4.65E-03	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ETP-fw	CTUe	1.40E+00	6.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HTPc	CTUh	1.75E-10	4.05E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HTPnc	CTUh	2.43E-09	2.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SQP	Pt	5.72E-01	1.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 15: Biogenic carbon indicators

Indicators	Units	A1 - A3s
Biogenic carbon content in product	kg C	0
Biogenic carbon content in packaging	kg C	0

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO₂

The results for A1-A3 should not be analysed without considering the impacts represented by module C.

WEIGHT CONVERSION TABLE

Table 16: Hynds Precast Concrete Box Culverts products covered by this EPD and their weights for conversion.

Product code	Product full name	Product mass (kg per 1 unit of pipe)	Representative product
BX1510L1ND	Box Culvert Toyota 1.5x1x1.51m 150-1000CVR DS HW&WW Insrt	4 625	
BX1510L1NDH	Box Culvert Toyota 1.5x1x1.51m 150-1000CVR DS H w WW Insrt	5 097	
BX1510L1NM	Box Culvert Toyota 1.5x1x1.55m 150-1000CVR MID	4 535	
BX1510L1NU	Box Culvert Toyota 1.5x1x1.59m 150-1000CVR US HW&WW Insrt	4 552	
BX1510L1NUH	Box Culvert Toyota 1.5x1x1.59m 150-1000CVR US H w WW Insrt	5 024	
BX1510L2ND	Box Culvert 1500x1000x1550mm (1001 - 2300mm Soil Cover)	4 591	
BX1510L2NDH	Box Culvert Toyota 1.5x1x1.51m 1001-2300CVR DS H w WW Insrt	5 063	
BX1510L2NM	Box Culvert 1500x1000x1550mm (1001 - 2300mm Soil Cover)	4 495	
BX1510L2NU	Box Culvert 1500x1000x1550mm (1001 - 2300mm Soil Cover)	4 518	
BX1510L2NUH	Box Culvert Toyota 1.5x1x1.59m 1001-2300CVR US H w WW Insrt	4 989	
BX1515L1ND	Box Culvert Toyota 1.5x1.5x1.51m 150-1000CVR DS HW&WW Insrt	5 304	
BX1515L1NDH	Box Culvert Toyota 1.5x1.5x1.51m 150-1000CVR DS H w WW Insrt	5 775	
BX1515L1NM	Box Culvert Toyota 1.5x1.5x1.55m 150-1000CVR MID	5 194	
BX1515L1NU	Box Culvert Toyota 1.5x1.5x1.59m 150-1000CVR US HW&WW Insrt	5 230	
BX1515L1NUH	Box Culvert Toyota 1.5x1.5x1.59m 150-1000CVR US H w WW Insrt	5 702	
BX1515L2ND	Box Culvert Toyota 1.5x1x1.51m 1001-2300CVR DS HW&WW Insrt	5 261	
BX1515L2NDH	Box Culvert Toyota 1.5x1x1.51m 1001-2300CVR DS H w WW Insrt	5 732	
BX1515L2NM	Box Culvert Toyota 1.5x1x1.55m 1001-2300CVR MID	5 171	
BX1515L2NU	Box Culvert Toyota 1.5x1x1.59m 1001-2300CVR US HW&WW Insrt	5 187	
BX1515L2NUH	Box Culvert Toyota 1.5x1x1.59m 1001-2300CVR US H w WW Insrt	5 659	
BX2010L1SD	BX Sealed 2.0x1.0x1.55m 400-1000CVR DS with Inserts Only	6 174	
BX2010L1SDH	BX Sealed 2.0x1.0x1.55m 400-1000CVR DS cw HW & WW Insrts	6 771	
BX2010L1SM	BX Sealed 2.0x1.0x1.55m 400-1000CVR Middle	5 921	
BX2010L1SU	BX Sealed 2.0x1.0x1.55m 400-1000CVR US with Inserts only	5 676	
BX2010L1SUH	BX Sealed 2.0x1.0x1.55m 400-1000CVR US cw HW & WW insrts	6 273	
BX2010L2ND	Box Culvert Toyota 2x1x1.51m 1001-2300 CVR DS HW&WW Insrt	6 017	
BX2010L2NDH	Box Culvert Toyota 2x1x1.51m 1001-2300 CVR DS H w WW Insrt	6 614	
BX2010L2NM	Box Culvert Toyota 2x1x1.55m 1001-2300 CVR MID	5 925	
BX2010L2NU	Box Culvert Toyota 2x1x1.59m 1001-2300 CVR US HW&WW Insrt	5 969	
BX2010L2NUH	Box Culvert Toyota 2x1x1.59m 1001-2300 CVR US H w WW Insrt	6 565	
BX2010L2SD	BX Sealed 2.0x1.0x1.55m 1001-2300CVR DS with Inserts only	6 156	

BX2010L2SDH	BX Sealed 2.0x1.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	6 753	
BX2010L2SM	BX Sealed 2.0x1.0x1.55m 1001-2300CVR Middle	5 922	
BX2010L2SU	BX Sealed 2.0x1.0x1.55m 1001-2300CVR US with Inserts only	5 659	
BX2010L2SUH	BX Sealed 2.0x1.0x1.55m 1001-2300CVR US cw HW & WW insrts	6 256	
BX2015L1ND	Box Culvert Toyota 2x1.5x1.51m 150-1000CVR DS HW&WW Insrt	6 777	
BX2015L1NDH	Box Culvert Toyota 2x1.5x1.51m 150-1000CVR DS H w WW Insrt	7 373	
BX2015L1NM	Box Culvert Toyota 2x1.5x1.55m 150-1000CVR MID	6 709	
BX2015L1NU	Box Culvert Toyota 2x1.5x1.59m 150-1000CVR US HW&WW Insrt	6 767	
BX2015L1NUH	Box Culvert Toyota 2x1.5x1.59m 150-1000CVR US H w WW Insrt	7 364	
BX2015L1SD	BX Sealed 2.0x1.5x1.55m 400-1000CVR DS with Inserts only	6 976	
BX2015L1SDH	BX Sealed 2.0x1.5x1.55m 400-1000CVR DS cw HW & WW Insrts	7 573	
BX2015L1SM	BX Sealed 2.0x1.5x1.55m 400-1000CVR Middle	6 725	
BX2015L1SU	BX Sealed 2.0x1.5x1.55m 400-1000CVR US with Inserts only	6 424	
BX2015L1SUH	BX Sealed 2.0x1.5x1.55m 400-1000CVR US cw HW & WW insrts	7 021	
BX2015L2ND	Box Culvert Toyota 2x1.5x1.51m 1001-2300 CVR DS HW&WW Insrt	6 796	
BX2015L2NDH	Box Culvert Toyota 2x1.5x1.51m 1001-2300 CVR DS H w WW Insrt	7 392	
BX2015L2NM	Box Culvert Toyota 2x1.5x1.55m 1001-2300 CVR MID	6 704	
BX2015L2NU	Box Culvert Toyota 2x1.5x1.59m 1001-2300 CVR US HW&WW Insrt	6 771	
BX2015L2NUH	Box Culvert Toyota 2x1.5x1.59m 1001-2300 CVR US H w WW Insrt	7 368	
BX2015L2SD	BX Sealed 2.0x1.5x1.55m 1001-2300CVR DS with Inserts only	6 962	
BX2015L2SDH	BX Sealed 2.0x1.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	7 559	
BX2015L2SM	BX Sealed 2.0x1.5x1.55m 1001-2300CVR Middle	6 711	
BX2015L2SU	BX Sealed 2.0x1.5x1.55m 1001-2300CVR US with Inserts only	6 398	
BX2015L2SUH	BX Sealed 2.0x1.5x1.55m 1001-2300CVR US cw HW & WW insrts	6 995	
BX2020L1ND	Box Culvert Toyota 2x2x1.51m 150-1000CVR DS HW&WW Insrt	7 539	
BX2020L1NDH	Box Culvert Toyota 2x2x1.51m 150-1000CVR DS H w WW Insrt	8 135	
BX2020L1NM	Box Culvert Toyota 2x2x1.55m 150-1000CVR MID	7 471	
BX2020L1NU	Box Culvert Toyota 2x2x1.59m 150-1000CVR US HW&WW Insrt	7 563	
BX2020L1NUH	Box Culvert Toyota 2x2x1.59m 150-1000CVR US H w WW Insrt	8 160	
BX2020L1SD	BX Sealed 2.0x2.0x1.55m 400-1000CVR DS with Inserts only	7 781	
BX2020L1SU	BX Sealed 2.0x2.0x1.55m 400-1000CVR US with Inserts only	7 159	
BX2020L2ND	Box Culvert Toyota 2x2x1.51m 1001-2300 CVR DS HW&WW Insrt	7 520	
BX2020L2NDH	Box Culvert Toyota 2x2x1.51m 1001-2300 CVR DS H w WW Insrt	8 116	
BX2020L2NM	Box Culvert Toyota 2x2x1.55m 1001-2300 CVR MID	7 452	
BX2020L2NU	Box Culvert Toyota 2x2x1.59m 1001-2300 CVR US HW&WW Insrt	7 544	
BX2020L2NUH	Box Culvert Toyota 2x2x1.59m 1001-2300 CVR US H w WW Insrt	8 141	

BX2020L2SD	BX Sealed 2.0x2.0x1.55m 1001-2300CVR DS with Inserts only	7 763	
BX2020L2SDH	BX Sealed 2.0x2.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	8 360	
BX2020L2SM	BX Sealed 2.0x2.0x1.55m 1001-2300CVR Middle	7 479	
BX2020L2SU	BX Sealed 2.0x2.0x1.55m 1001-2300CVR US with Inserts only	7 141	
BX2020L2SUH	BX Sealed 2.0x2.0x1.55m 1001-2300CVR US cw HW & WW insrts	7 738	
BX2510L1SD	BX Sealed 2.5x1.0x1.55m 400-1000CVR DS with Inserts only	7 031	
BX2510L1SDH	BX Sealed 2.5x1.0x1.55m 400-1000CVR DS cw HW & WW Insrts	7 764	
BX2510L1SM	BX Sealed 2.5x1.0x1.55m 400-1000CVR Middle	6 769	
BX2510L1SU	BX Sealed 2.5x1.0x1.55m 400-1000CVR US with Inserts only	6 459	
BX2510L1SUH	BX Sealed 2.5x1.0x1.55m 400-1000CVR US cw HW & WW insrts	7 192	
BX2510L2ND	Box Culvert Toyota 2.5x1x1.51m 1001-2300CVR DS HW&WW Insrt	6 822	
BX2510L2NDH	Box Culvert Toyota 2.5x1x1.51m 1001-2300CVR DS H w WW Insrt	7 555	
BX2510L2NM	Box Culvert Toyota 2.5x1x1.55m 1001-2300CVR MID	6 753	
BX2510L2NU	Box Culvert Toyota 2.5x1x1.59m 1001-2300CVR US HW&WW Insrt	6 847	
BX2510L2NUH	Box Culvert Toyota 2.5x1x1.59m 1001-2300CVR US H w WW Insrt	7 579	
BX2510L2SD	BX Sealed 2.5x1.0x1.55m 1001-2300CVR DS with Inserts only	7 040	
BX2510L2SDH	BX Sealed 2.5x1.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	7 773	
BX2510L2SM	BX Sealed 2.5x1.0x1.55m 1001-2300CVR Middle	6 778	
BX2510L2SU	BX Sealed 2.5x1.0x1.55m 1001-2300CVR US with Inserts only	6 468	
BX2510L2SUH	BX Sealed 2.5x1.0x1.55m 1001-2300CVR US cw HW & WW insrts	7 201	
BX2515L1ND	BXC 2500×1500×1550mm (150-1000mm Soil Cover) Type A Downstrm	7 597	
BX2515L1NDH	Box Culvert Totota 2.5x1.5x1.51m 150-1000CVR DS H w WW Insrt	8 329	
BX2515L1NM	Box Culvert 2500×1500×1550mm (150-1000mm Soil Cover) Type B	7 528	
BX2515L1NU	BXC 2500×1500×1550mm (150-1000mm Soil Cover) Type C Upstream	7 597	
BX2515L1NUH	Box Culvert Toyota 2.5x1.5x1.59m 150-1000CVR US H w WW Insrt	8 329	
BX2515L1SD	BX Sealed 2.5x1.5x1.55m 400-1000CVR DS with Inserts only	7 824	
BX2515L1SDH	BX Sealed 2.5x1.5x1.55m 400-1000CVR DS cw HW & WW Insrts	8 557	
BX2515L1SM	BX Sealed 2.5x1.5x1.55m 400-1000CVR Middle	7 539	
BX2515L1SU	BX Sealed 2.5x1.5x1.55m 400-1000CVR US with Inserts only	7 202	
BX2515L1SUH	BX Sealed 2.5x1.5x1.55m 400-1000CVR US cw HW & WW insrts	7 935	
BX2515L2ND	Box Culvert Toyota 2.5x1.5x1.51m 1001-2300CVR DS HW&WW Insrt	7 604	
BX2515L2NDH	Box Culvert Toyota 2.5x1.5x1.51m 1001-2300CVR DS H w WW Insr	8 336	
BX2515L2NM	Box Culvert Toyota 2.5x1.5x1.55m 1001-2300CVR MID	7 535	
BX2515L2NU	Box Culvert Toyota 2.5x1.5x1.51m 1001-2300CVR US HW&WW Insrt	7 604	
BX2515L2NUH	Box Culvert Toyota 2.5x1.5x1.51m 1001-2300CVR US H w WW Insr	8 336	

BX2515L2SD	BX Sealed 2.5x1.5x1.55m 1001-2300CVR DS with Inserts only	7 827	
BX2515L2SDH	BX Sealed 2.5x1.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	8 560	
BX2515L2SM	BX Sealed 2.5x1.5x1.55m 1001-2300CVR Middle	7 542	
BX2515L2SU	BX Sealed 2.5x1.5x1.55m 1001-2300CVR US with Inserts only	7 205	
BX2515L2SUH	BX Sealed 2.5x1.5x1.55m 1001-2300CVR US cw HW & WW insrts	7 938	
BX2520L1ND	Box Culvert Toyota 2.5x2x1.51m 150-1000CVR DS HW&WW Insrt	8 389	
BX2520L1NDH	Box Culvert Toyota 2.5x2x1.51m 150-1000CVR DS H w WW Insrt	9 122	
BX2520L1NM	Box Culvert Toyota 2.5x2x1.55m 150-1000CVR MID	8 319	
BX2520L1NU	Box Culvert Toyota 2.5x2x1.59m 150-1000CVR US HW&WW Insrt	8 462	
BX2520L1NUH	Box Culvert Toyota 2.5x2x1.59m 150-1000CVR US H w WW Insrt	9 195	
BX2520L1SD	BX Sealed 2.5x2.0x1.55m 400-1000CVR DS with Inserts only	8 670	
BX2520L1SDH	BX Sealed 2.5x2.0x1.55m 400-1000CVR DS cw HW & WW Insrts	9 402	
BX2520L1SM	BX Sealed 2.5x2.0x1.55m 400-1000CVR Middle	8 336	
BX2520L1SU	BX Sealed 2.5x2.0x1.55m 400-1000CVR US with Inserts only	7 975	
BX2520L1SUH	BX Sealed 2.5x2.0x1.55m 400-1000CVR US cw HW & WW insrts	8 707	
BX2520L2ND	Box Culvert Toyota 2.5x2x1.51m 1001-2300CVR DS HW&WW Insrt	8 364	
BX2520L2NDH	Box Culvert Toyota 2.5x2x1.51m 1001-2300CVR DS H w WW Insrt	9 097	
BX2520L2NM	Box Culvert Toyota 2.5x2x1.55m 1001-2300CVR MID	8 294	
BX2520L2NU	Box Culvert Toyota 2.5x2x1.59m 1001-2300CVR US HW&WW Insrt	8 438	
BX2520L2NUH	Box Culvert Toyota 2.5x2x1.59m 1001-2300CVR US H w WW Insrt	9 170	
BX2520L2SD	BX Sealed 2.5x2.0x1.55m 1001-2300CVR DS with Inserts only	8 667	
BX2520L2SDH	BX Sealed 2.5x2.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	9 399	
BX2520L2SM	BX Sealed 2.5x2.0x1.55m 1001-2300CVR Middle	8 337	
BX2520L2SU	BX Sealed 2.5x2.0x1.55m 1001-2300CVR US with Inserts only	7 976	
BX2520L2SUH	BX Sealed 2.5x2.0x1.55m 1001-2300CVR US cw HW & WW insrts	8 708	
BX2525L1NM	Box Culvert 2500x2500x1550mm With 200mm Thick Walls (Type B)	9 086	
BX2525L1SD	BX Sealed 2.5x2.5x1.55m 400-1000CVR DS with Inserts only	9 475	
BX2525L1SDH	BX Sealed 2.5x2.5x1.55m 400-1000CVR DS cw HW & WW Insrts	10 207	
BX2525L1SM	BX Sealed 2.5x2.5x1.55m 400-1000CVR Middle	9 106	
BX2525L1SU	BX Sealed 2.5x2.5x1.55m 400-1000CVR US with Inserts only	8 711	
BX2525L1SUH	BX Sealed 2.5x2.5x1.55m 400-1000CVR US cw HW & WW insrts	9 443	
BX2525L2ND	Box Culvert Toyota 2.5x2.5x1.51m 1001-2300CVR DS HW&WW Insrt	9 226	
BX2525L2NDH	Box Culvert Toyota 2.5x2.5x1.51m 1001-2300CVR DS H w WW Insr	9 959	
BX2525L2NM	Box Culvert Toyota 2.5x2.5x1.55m 1001-2300CVR MID	9 157	
BX2525L2NU	Box Culvert Toyota 2.5x2.5x1.59m 1001-2300CVR US HW&WW Insrt	9 299	
BX2525L2NUH	Box Culvert Toyota 2.5x2.5x1.59m 1001-2300CVR US H w WW Insr	10 032	

BX2525L2SD	BX Sealed 2.5x2.5x1.55m 1001-2300CVR DS with Inserts only	9 509	
BX2525L2SDH	BX Sealed 2.5x2.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	10 241	
BX2525L2SM	BX Sealed 2.5x2.5x1.55m 1001-2300CVR Middle	9 157	
BX2525L2SU	BX Sealed 2.5x2.5x1.55m 1001-2300CVR US with Inserts only	8 745	
BX2525L2SUH	BX Sealed 2.5x2.5x1.55m 1001-2300CVR US cw HW & WW insrts	9 477	
BX3010L1ND	Box Culvert Toyota 3x1x1.51m 150-1000CVR DS HW&WW Insrt	7 717	
BX3010L1NM	Box Culvert Toyota 3x1x1.55m 150-1000CVR MID	7 622	
BX3010L1NU	Box Culvert Toyota 3x1x1.59m 150-1000CVR US HW&WW Insrt	7 741	
BX3010L1SD	BX Sealed 3.0x1.0x1.55m 400-1000CVR DS with Inserts only	7 877	
BX3010L1SDH	BX Sealed 3.0x1.0x1.55m 400-1000CVR DS cw HW & WW Insrts	8 735	
BX3010L1SM	BX Sealed 3.0x1.0x1.55m 400-1000CVR Middle	7 595	
BX3010L1SU	BX Sealed 3.0x1.0x1.55m 400-1000CVR US with Inserts only	7 260	
BX3010L1SUH	BX Sealed 3.0x1.0x1.55m 400-1000CVR US cw HW & WW insrts	8 118	
BX3010L2ND	Box Culvert Toyota 3x1x1.51m 1001-2300 CVR DS HW&WW Insrt	7 797	
BX3010L2NDH	Box Culvert Toyota 3x1x1.51m 1001-2300 CVR DS H w WW Insrt	8 655	
BX3010L2NM	Box Culvert Toyota 3x1x1.55m 1001-2300 CVR MID	7 702	
BX3010L2NU	Box Culvert Toyota 3x1x1.59m 1001-2300 CVR US HW&WW Insrt	7 822	
BX3010L2NUH	Box Culvert Toyota 3x1x1.59m 1001-2300 CVR US H w WW Insrt	8 680	
BX3010L2SD	BX Sealed 3.0x1.0x1.55m 1001-2300CVR DS with Inserts only	7 978	
BX3010L2SDH	BX Sealed 3.0x1.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	8 836	
BX3010L2SM	BX Sealed 3.0x1.0x1.55m 1001-2300CVR Middle	7 697	
BX3010L2SU	BX Sealed 3.0x1.0x1.55m 1001-2300CVR US with Inserts only	7 361	
BX3010L2SUH	BX Sealed 3.0x1.0x1.55m 1001-2300CVR US cw HW & WW insrts	8 219	
BX3015L1ND	Box Culvert Toyota 3x1.5x1.51m 150-1000CVR DS HW&WW Insrt	8 543	
BX3015L1NDH	Box Culvert Toyota 3x1.5x1.51m 150-1000CVR DS H w WW Insrt	9 401	
BX3015L1NM	Box Culvert Toyota 3x1.5x1.55m 150-1000CVR MID	8 473	
BX3015L1NU	Box Culvert Toyota 3x1.5x1.59m 150-1000CVR US HW&WW Insrt	8 616	
BX3015L1NUH	Box Culvert Toyota 3x1.5x1.59m 150-1000CVR US H w WW Insrt	9 474	
BX3015L1SD	BX Sealed 3.0x1.5x1.55m 400-1000CVR DS with Inserts only	8 730	
BX3015L1SDH	BX Sealed 3.0x1.5x1.55m 400-1000CVR DS cw HW & WW Insrts	9 588	
BX3015L1SM	BX Sealed 3.0x1.5x1.55m 400-1000CVR Middle	8 399	
BX3015L1SU	BX Sealed 3.0x1.5x1.55m 400-1000CVR US with Inserts only	8 038	
BX3015L1SUH	BX Sealed 3.0x1.5x1.55m 400-1000CVR US cw HW & WW insrts	8 896	
BX3015L2ND	Box Culvert Toyota 3x1.5x1.51m 1001-2300 CVR DS HW&WW Insrt	8 535	
BX3015L2NDH	Box Culvert Toyota 3x1.5x1.51m 1001-2300 CVR DS H w WW Insrt	9 393	
BX3015L2NM	Box Culvert Toyota 3x1.5x1.55m 1001-2300 CVR MID	8 464	

BX3015L2NU	Box Culvert Toyota 3x1.5x1.59m 1001-2300 CVR US HW&WW Insrt	8 608	
BX3015L2NUH	Box Culvert Toyota 3x1.5x1.59m 1001-2300 CVR US H w WW Insrt	9 466	
BX3015L2SD	BX Sealed 3.0x1.5x1.55m 1001-2300CVR DS with Inserts only	8 760	
BX3015L2SDH	BX Sealed 3.0x1.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	9 618	
BX3015L2SM	BX Sealed 3.0x1.5x1.55m 1001-2300CVR Middle	8 430	
BX3015L2SU	BX Sealed 3.0x1.5x1.55m 1001-2300CVR US with Inserts only	8 068	
BX3015L2SUH	BX Sealed 3.0x1.5x1.55m 1001-2300CVR US cw HW & WW insrts	8 926	
BX3020L1ND	Box Culvert Toyota 3x2x1.51m 150-1000CVR DS HW&WW Insrt	9 281	
BX3020L1NDH	Box Culvert Toyota 3x2x1.51m 150-1000CVR DS H w WW Insrt	10 139	
BX3020L1NM	Box Culvert Toyota 3x2x1.55m 150-1000CVR MID	9 211	
BX3020L1NU	Box Culvert Toyota 3x2x1.59m 150-1000CVR US HW&WW Insrt	9 354	
BX3020L1NUH	Box Culvert Toyota 3x2x1.59m 150-1000CVR US H w WW Insrt	10 212	
BX3020L1SD	BX Sealed 3.0x2.0x1.55m 400-1000CVR DS with Inserts only	9 552	
BX3020L1SDH	BX Sealed 3.0x2.0x1.55m 400-1000CVR DS cw HW & WW Insrts	10 410	
BX3020L1SM	BX Sealed 3.0x2.0x1.55m 400-1000CVR Middle	9 198	
BX3020L1SU	BX Sealed 3.0x2.0x1.55m 400-1000CVR US with Inserts only	8 786	
BX3020L1SUH	BX Sealed 3.0x2.0x1.55m 400-1000CVR US cw HW & WW insrts	9 644	
BX3020L2ND	Box Culvert Toyota 3x2x1.51m 1001-2300 CVR DS HW&WW Insrt	9 279	
BX3020L2NDH	Box Culvert Toyota 3x2x1.51m 1001-2300 CVR DS H w WW Insrt	10 137	
BX3020L2NM	Box Culvert Toyota 3x2x1.55m 1001-2300 CVR MID	9 209	
BX3020L2NU	Box Culvert Toyota 3x2x1.59m 1001-2300 CVR US HW&WW Insrt	9 352	
BX3020L2NUH	Box Culvert Toyota 3x2x1.59m 1001-2300 CVR US H w WW Insrt	10 210	
BX3020L2SD	BX Sealed 3.0x2.0x1.55m 1001-2300CVR DS with Inserts only	9 552	
BX3020L2SDH	BX Sealed 3.0x2.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	10 410	
BX3020L2SM	BX Sealed 3.0x2.0x1.55m 1001-2300CVR Middle	9 198	
BX3020L2SU	BX Sealed 3.0x2.0x1.55m 1001-2300CVR US with Inserts only	8 786	
BX3020L2SUH	BX Sealed 3.0x2.0x1.55m 1001-2300CVR US cw HW & WW insrts	9 644	
BX3025L1ND	Box Culvert Toyota 3x2.5x1.51m 150-1000CVR DS HW&WW Insrt	10 090	
BX3025L1NDH	Box Culvert Toyota 3x2.5x1.51m 150-1000CVR DS H w WW Insrt	10 948	
BX3025L1NM	Box Culvert Toyota 3x2.5x1.55m 150-1000CVR MID	10 019	
BX3025L1NU	Box Culvert Toyota 3x2.5x1.59m 150-1000CVR US HW&WW Insrt	10 187	
BX3025L1NUH	Box Culvert Toyota 3x2.5x1.59m 150-1000CVR US H w WW Insrt	11 045	
BX3025L1SD	BX Sealed 3.0x2.5x1.55m 400-1000CVR DS with Inserts only	10 382	
BX3025L1SDH	BX Sealed 3.0x2.5x1.55m 400-1000CVR DS cw HW & WW Insrts	11 240	
BX3025L1SM	Sealed Box Culvert 3000x2500x1550mm with 200mm Walls	9 996	
BX3025L1SU	BX Sealed 3.0x2.5x1.55m 400-1000CVR US with Inserts only	9 569	

BX3025L1SUH	BX Sealed 3.0x2.5x1.55m 400-1000CVR US cw HW & WW insrts	10 427	
BX3025L2ND	Box Culvert Toyota 3x2.5x1.51m 1001-2300 CVR DS HW&WW Insrt	10 117	
BX3025L2NDH	Box Culvert Toyota 3x2.5x1.51m 1001-2300 CVR DS H w WW Insrt	10 975	
BX3025L2NM	Box Culvert Toyota 3x2.5x1.55m 1001-2300 CVR MID	10 046	
BX3025L2NU	Box Culvert Toyota 3x2.5x1.59m 1001-2300 CVR US HW&WW Insrt	10 214	
BX3025L2NUH	Box Culvert Toyota 3x2.5x1.59m 1001-2300 CVR US H w WW Insrt	11 072	
BX3025L2SD	BX Sealed 3.0x2.5x1.55m 1001-2300CVR DS with Inserts only	10 356	
BX3025L2SDH	BX Sealed 3.0x2.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	11 214	
BX3025L2SM	BX Sealed 3.0x2.5x1.55m 1001-2300CVR Middle	9 980	
BX3025L2SU	BX Sealed 3.0x2.5x1.55m 1001-2300CVR US with Inserts only	9 543	
BX3025L2SUH	BX Sealed 3.0x2.5x1.55m 1001-2300CVR US cw HW & WW insrts	10 401	
BX3030L1ND	Box Culvert Toyota 3x3x1.51m 150-1000CVR DS HW&WW Insrt	11 037	
BX3030L1NDH	Box Culvert Toyota 3x3x1.51m 150-1000CVR DS H w WW Insrt	11 895	
BX3030L1NM	Box Culvert Toyota 3x3x1.55m 150-1000CVR MID	10 966	
BX3030L1NU	Box Culvert Toyota 3x3x1.59m 150-1000CVR US HW&WW Insrt	11 159	
BX3030L1NUH	Box Culvert Toyota 3x3x1.59m 150-1000CVR US H w WW Insrt	12 017	
BX3030L1SD	BX Sealed 3.0x2.5x1.55m 400-1000CVR DS with Inserts only	11 256	
BX3030L1SDH	BX Sealed 3.0x2.5x1.55m 400-1000CVR DS cw HW & WW Insrts	12 114	
BX3030L1SM	Box Culvert Sealed 3x3x1.55m 150-1000 Cover Middle	10 854	
BX3030L1SU	BX Sealed 3.0x2.5x1.55m 400-1000CVR US with Inserts only	10 368	
BX3030L1SUH	BX Sealed 3.0x2.5x1.55m 400-1000CVR US cw HW & WW insrts	11 226	
BX3030L2ND	Box Culvert Toyota 3x3x1.51m 1001-2300 CVR DS HW&WW Insrt	10 986	
BX3030L2NDH	Box Culvert Toyota 3x3x1.51m 1001-2300 CVR DS H w WW Insrt	11 844	
BX3030L2NM	Box Culvert Toyota 3x3x1.55m 1001-2300 CVR MID	10 914	
BX3030L2NU	Box Culvert Toyota 3x3x1.59m 1001-2300 CVR US HW&WW Insrt	11 108	
BX3030L2NUH	Box Culvert Toyota 3x3x1.59m 1001-2300 CVR US H w WW Insrt	11 966	
BX3030L2SD	BX Sealed 3.0x2.5x1.55m 1001-2300CVR DS with Inserts only	11 329	
BX3030L2SDH	BX Sealed 3.0x2.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	12 187	
BX3030L2SM	BX Sealed 3.0x2.5x1.55m 1001-2300CVR Middle	10 927	
BX3030L2SU	BX Sealed 3.0x2.5x1.55m 1001-2300CVR US with Inserts only	10 441	
BX3030L2SUH	BX Sealed 3.0x2.5x1.55m 1001-2300CVR US cw HW & WW insrts	11 299	
BX3510L1ND	Box Culvert Toyota 3.5x1x1.51m 150-1000CVR DS HW&WW Insrt	9 507	
BX3510L1NDH	Box Culvert Toyota 3.5x1x1.51m 150-1000CVR DS H w WW Insrt	10 516	
BX3510L1NM	Box Culvert Toyota 3.5x1x1.55m 150-1000CVR MID	9 434	
BX3510L1NU	Box Culvert Toyota 3.5x1x1.59m 150-1000CVR US HW&WW Insrt	9 555	
BX3510L1NUH	Box Culvert Toyota 3.5x1x1.59m 150-1000CVR US H w WW Insrt	10 565	

BX3510L1SD	BX Sealed 3.5x1.0x1.55m 400-1000CVR DS with Inserts only	9 865	
BX3510L1SDH	BX Sealed 3.5x1.0x1.55m 400-1000CVR DS cw HW & WW Insrts	10 874	
BX3510L1SM	BX Sealed 3.5x1.0x1.55m 400-1000CVR Middle	9 462	
BX3510L1SU	BX Sealed 3.5x1.0x1.55m 400-1000CVR US with Inserts only	9 029	
BX3510L1SUH	BX Sealed 3.5x1.0x1.55m 400-1000CVR US cw HW & WW insrts	10 038	
BX3510L2ND	Box Culvert Toyota 3.5x1x1.51m 1001-2300CVR DS HW&WW Insrt	9 584	
BX3510L2NDH	Box Culvert Toyota 3.5x1x1.51m 1001-2300CVR DS H w WW Insrt	10 593	
BX3510L2NM	Box Culvert Toyota 3.5x1x1.55m 1001-2300CVR MID	9 512	
BX3510L2NU	Box Culvert Toyota 3.5x1x1.59m 1001-2300CVR US HW&WW Insrt	9 632	
BX3510L2NUH	Box Culvert Toyota 3.5x1x1.59m 1001-2300CVR US H w WW Insrt	10 642	
BX3510L2SD	BX Sealed 3.5x1.0x1.55m 1001-2300CVR DS with Inserts only	9 950	
BX3510L2SDH	BX Sealed 3.5x1.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	10 959	
BX3510L2SM	BX Sealed 3.5x1.0x1.55m 1001-2300CVR Middle	9 546	
BX3510L2SU	BX Sealed 3.5x1.0x1.55m 1001-2300CVR US with Inserts only	9 113	
BX3510L2SUH	BX Sealed 3.5x1.0x1.55m 1001-2300CVR US cw HW & WW insrts	10 122	
BX3515L1ND	Box Culvert Toyota 3.5x1.5x1.51m 150-1000CVR DS HW&WW Insrt	10 368	
BX3515L1NDH	Box Culvert Toyota 3.5x1.5x1.51m 150-1000CVR DS H w WW Insrt	11 377	
BX3515L1NM	Box Culvert Toyota 3.5x1.5x1.55m 150-1000CVR MID	10 272	
BX3515L1NU	Box Culvert Toyota 3.5x1.5x1.59m 150-1000CVR US HW&WW Insrt	10 417	
BX3515L1NUH	Box Culvert Toyota 3.5x1.5x1.59m 150-1000CVR US H w WW Insrt	11 426	
BX3515L1SD	BX Sealed 3.5x1.5x1.55m 400-1000CVR DS with Inserts only	10 706	
BX3515L1SDH	BX Sealed 3.5x1.5x1.55m 400-1000CVR DS cw HW & WW Insrts	11 715	
BX3515L1SM	BX Sealed 3.5x1.5x1.55m 400-1000CVR Middle	10 303	
BX3515L1SU	BX Sealed 3.5x1.5x1.55m 400-1000CVR US with Inserts only	9 819	
BX3515L1SUH	BX Sealed 3.5x1.5x1.55m 400-1000CVR US cw HW & WW insrts	10 828	
BX3515L2ND	Box Culvert Toyota 3.5x1.5x1.51m 1001-2300CVR DS HW&WW Insrt	10 423	
BX3515L2NDH	Box Culvert Toyota 3.5x1.5x1.51m 1001-2300CVR DS H w WW Insr	11 432	
BX3515L2NM	Box Culvert Toyota 3.5x1.5x1.55m 1001-2300CVR MID	10 327	
BX3515L2NU	Box Culvert Toyota 3.5x1.5x1.59m 1001-2300CVR US HW&WW Insrt	10 472	
BX3515L2NUH	Box Culvert Toyota 3.5x1.5x1.59m 1001-2300CVR US H w WW Insr	11 481	
BX3515L2SD	BX Sealed 3.5x1.5x1.55m 1001-2300CVR DS with Inserts only	10 760	
BX3515L2SDH	BX Sealed 3.5x1.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	11 769	
BX3515L2SM	BX Sealed 3.5x1.5x1.55m 1001-2300CVR Middle	10 358	
BX3515L2SU	BX Sealed 3.5x1.5x1.55m 1001-2300CVR US with Inserts only	9 874	
BX3515L2SUH	BX Sealed 3.5x1.5x1.55m 1001-2300CVR US cw HW & WW insrts	10 883	
BX3520L1NM	Box Culvert Toyota 3.5x2x1.55m 150-1000CVR MID	11 109	

BX3520L1SD	BX Sealed 3.5x2.0x1.55m 400-1000CVR DS with Inserts only	11 633	
BX3520L1SDH	BX Sealed 3.5x2.0x1.55m 400-1000CVR DS cw HW & WW Insrts	12 643	
BX3520L1SM	BX Sealed 3.5x2.0x1.55m 400-1000CVR Middle	11 159	
BX3520L1SU	BX Sealed 3.5x2.0x1.55m 400-1000CVR US with Inserts only	10 625	
BX3520L1SUH	BX Sealed 3.5x2.0x1.55m 400-1000CVR US cw HW & WW insrts	11 634	
BX3520L2ND	Box Culvert Toyota 3.5x2x1.51m 1001-2300CVR DS HW&WW Insrt	11 278	
BX3520L2NDH	Box Culvert Toyota 3.5x2x1.51m 1001-2300CVR DS H w WW Insrt	12 287	
BX3520L2NM	Box Culvert Toyota 3.5x2x1.55m 1001-2300CVR MID	11 182	
BX3520L2NU	Box Culvert Toyota 3.5x2x1.59m 1001-2300CVR US HW&WW Insrt	11 376	
BX3520L2NUH	Box Culvert Toyota 3.5x2x1.59m 1001-2300CVR US H w WW Insrt	12 385	
BX3520L2SD	BX Sealed 3.5x2.0x1.55m 1001-2300CVR DS with Inserts only	11 726	
BX3520L2SDH	BX Sealed 3.5x2.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	12 736	
BX3520L2SM	BX Sealed 3.5x2.0x1.55m 1001-2300CVR Middle	11 252	
BX3520L2SU	BX Sealed 3.5x2.0x1.55m 1001-2300CVR US with Inserts only	10 718	
BX3520L2SUH	BX Sealed 3.5x2.0x1.55m 1001-2300CVR US cw HW & WW insrts	11 727	
BX3525L1ND	Box Culvert Toyota 3.5x2.5x1.51m 150-1000CVR DS HW&WW Insrt	12 106	
BX3525L1NDH	Box Culvert Toyota 3.5x2.5x1.51m 150-1000CVR DS H w WW Insrt	13 116	
BX3525L1NM	Box Culvert Toyota 3.5x2.5x1.55m 150-1000CVR MID	12 009	
BX3525L1NU	Box Culvert Toyota 3.5x2.5x1.59m 150-1000CVR US HW&WW Insrt	12 228	
BX3525L1NUH	Box Culvert Toyota 3.5x2.5x1.59m 150-1000CVR US H w WW Insrt	13 238	
BX3525L1SD	BX Sealed 3.5x2.5x1.55m 400-1000CVR DS with Inserts only	12 600	
BX3525L1SDH	BX Sealed 3.5x2.5x1.55m 400-1000CVR DS cw HW & WW Insrts	13 610	
BX3525L1SM	BX Sealed 3.5x2.5x1.55m 400-1000CVR Middle	12 078	
BX3525L1SU	BX Sealed 3.5x2.5x1.55m 400-1000CVR US with Inserts only	11 518	
BX3525L1SUH	BX Sealed 3.5x2.5x1.55m 400-1000CVR US cw HW & WW insrts	12 527	
BX3525L2ND	Box Culvert Toyota 3.5x2.5x1.51m 1001-2300CVR DS HW&WW Insrt	12 226	
BX3525L2NDH	Box Culvert Toyota 3.5x2.5x1.51m 1001-2300CVR DS H w WW Insr	13 236	
BX3525L2NM	Box Culvert Toyota 3.5x2.5x1.55m 1001-2300CVR MID	12 130	
BX3525L2NU	Box Culvert Toyota 3.5x2.5x1.59m 1001-2300CVR US HW&WW Insrt	12 348	
BX3525L2NUH	Box Culvert Toyota 3.5x2.5x1.59m 1001-2300CVR US H w WW Insr	13 358	
BX3525L2SD	BX Sealed 3.5x2.5x1.55m 1001-2300CVR DS with Inserts only	12 654	
BX3525L2SDH	BX Sealed 3.5x2.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	13 664	
BX3525L2SM	BX Sealed 3.5x2.5x1.55m 1001-2300CVR Middle	12 132	
BX3525L2SU	BX Sealed 3.5x2.5x1.55m 1001-2300CVR US with Inserts only	11 572	
BX3525L2SUH	BX Sealed 3.5x2.5x1.55m 1001-2300CVR US cw HW & WW insrts	12 581	
BX3530L1ND	Box Culvert Toyota 3.5x3x1.51m 150-1000CVR DS HW&WW Insrt	13 036	

BX3530L1NDH	Box Culvert Toyota 3.5x3x1.51m 150-1000CVR DS H w WW Insrt	14 046	
BX3530L1NM	Box Culvert Toyota 3.5x3x1.55m 150-1000CVR MID	12 939	
BX3530L1NU	Box Culvert Toyota 3.5x3x1.59m 150-1000CVR US HW&WW Insrt	13 153	
BX3530L1NUH	Box Culvert Toyota 3.5x3x1.59m 150-1000CVR US H w WW Insrt	14 162	
BX3530L1SD	BX Sealed 3.5x3.0x1.55m 400-1000CVR DS with Inserts only	13 510	
BX3530L1SDH	BX Sealed 3.5x3.0x1.55m 400-1000CVR DS cw HW & WW Insrts	14 520	
BX3530L1SM	BX Sealed 3.5x3.0x1.55m 400-1000CVR Middle	12 965	
BX3530L1SU	BX Sealed 3.5x3.0x1.55m 400-1000CVR US with Inserts only	12 354	
BX3530L1SUH	BX Sealed 3.5x3.0x1.55m 400-1000CVR US cw HW & WW insrts	13 364	
BX3530L2ND	Box Culvert Toyota 3.5x3x1.51m 1001-2300CVR DS HW&WW Insrt	13 113	
BX3530L2NDH	Box Culvert Toyota 3.5x3x1.51m 1001-2300CVR DS H w WW Insrt	14 122	
BX3530L2NM	Box Culvert Toyota 3.5x3x1.55m 1001-2300CVR MID	13 016	
BX3530L2NU	Box Culvert Toyota 3.5x3x1.59m 1001-2300CVR US HW&WW Insrt	13 235	
BX3530L2NUH	Box Culvert Toyota 3.5x3x1.59m 1001-2300CVR US H w WW Insrt	14 244	
BX3530L2SD	BX Sealed 3.5x3.0x1.55m 1001-2300CVR DS with Inserts only	13 592	
BX3530L2SDH	BX Sealed 3.5x3.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	14 602	
BX3530L2SM	BX Sealed 3.5x3.0x1.55m 1001-2300CVR Middle	13 046	
BX3530L2SU	BX Sealed 3.5x3.0x1.55m 1001-2300CVR US with Inserts only	12 436	
BX3530L2SUH	BX Sealed 3.5x3.0x1.55m 1001-2300CVR US cw HW & WW insrts	13 446	
BX4010L1ND	Box Culvert Toyota 4x1x1.51m 150-1000CVR DS HW&WW Insrt	10 631	
BX4010L1NDH	Box Culvert Toyota 4x1x1.51m 150-1000CVR DS H w WW Insrt	11 767	
BX4010L1NM	Box Culvert Toyota 4x1x1.55m 150-1000CVR MID	10 533	
BX4010L1NU	Box Culvert Toyota 4x1x1.59m 150-1000CVR US HW&WW Insrt	10 680	
BX4010L1NUH	Box Culvert Toyota 4x1x1.59m 150-1000CVR US H w WW Insrt	11 816	
BX4010L1SD	BX Sealed 4.0x1.0x1.55m 400-1000CVR DS with Inserts only	10 852	
BX4010L1SDH	BX Sealed 4.0x1.0x1.55m 400-1000CVR DS cw HW & WW Insrts	11 988	
BX4010L1SM	BX Sealed 4.0x1.0x1.55m 400-1000CVR Middle	10 424	
BX4010L1SU	BX Sealed 4.0x1.0x1.55m 400-1000CVR US with Inserts only	9 957	
BX4010L1SUH	BX Sealed 4.0x1.0x1.55m 400-1000CVR US cw HW & WW insrts	11 094	
BX4010L2ND	Box Culvert Toyota 4x1x1.51m 1001-2300 CVR DS HW&WW Insrt	10 743	
BX4010L2NDH	Box Culvert Toyota 4x1x1.51m 1001-2300 CVR DS H w WW Insrt	11 879	
BX4010L2NM	Box Culvert Toyota 4x1x1.55m 1001-2300 CVR MID	10 645	
BX4010L2NU	Box Culvert Toyota 4x1x1.59m 1001-2300 CVR US HW&WW Insrt	10 792	
BX4010L2NUH	Box Culvert Toyota 4x1x1.59m 1001-2300 CVR US H w WW Insrt	11 928	
BX4010L2SD	BX Sealed 4.0x1.0x1.55m 1001-2300CVR DS with Inserts only	10 929	
BX4010L2SDH	BX Sealed 4.0x1.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	12 065	

BX4010L2SM	BX Sealed 4.0x1.0x1.55m 1001-2300CVR Middle	10 500	
BX4010L2SU	BX Sealed 4.0x1.0x1.55m 1001-2300CVR US with Inserts only	10 017	
BX4010L2SUH	BX Sealed 4.0x1.0x1.55m 1001-2300CVR US cw HW & WW insrts	11 154	
BX4015L1ND	Box Culvert Toyota 4x1.5x1.51m 150-1000CVR DS HW&WW Insrt	11 606	
BX4015L1NDH	Box Culvert Toyota 4x1.5x1.51m 150-1000CVR DS H w WW Insrt	12 743	
BX4015L1NM	Box Culvert Toyota 4x1.5x1.55m 150-1000CVR MID	11 509	
BX4015L1NU	Box Culvert Toyota 4x1.5x1.59m 150-1000CVR US HW&WW Insrt	11 704	
BX4015L1NUH	Box Culvert Toyota 4x1.5x1.59m 150-1000CVR US H w WW Insrt	12 840	
BX4015L1SD	BX Sealed 4.0x1.5x1.55m 400-1000CVR DS with Inserts only	11 802	
BX4015L1SDH	BX Sealed 4.0x1.5x1.55m 400-1000CVR DS cw HW & WW Insrts	12 938	
BX4015L1SM	BX Sealed 4.0x1.5x1.55m 400-1000CVR Middle	11 325	
BX4015L1SU	BX Sealed 4.0x1.5x1.55m 400-1000CVR US with Inserts only	10 816	
BX4015L1SUH	BX Sealed 4.0x1.5x1.55m 400-1000CVR US cw HW & WW insrts	11 952	
BX4015L2ND	Box Culvert Toyota 4x1.5x1.51m 1001-2300 CVR DS HW&WW Insrt	11 644	
BX4015L2NDH	Box Culvert Toyota 4x1.5x1.51m 1001-2300 CVR DS H w WW Insrt	12 780	
BX4015L2NM	Box Culvert Toyota 4x1.5x1.55m 1001-2300 CVR MID	11 525	
BX4015L2NU	Box Culvert Toyota 4x1.5x1.59m 1001-2300 CVR US HW&WW Insrt	11 737	
BX4015L2NUH	Box Culvert Toyota 4x1.5x1.59m 1001-2300 CVR US H w WW Insrt	12 873	
BX4015L2SD	BX Sealed 4.0x1.5x1.55m 1001-2300CVR DS with Inserts only	11 842	
BX4015L2SDH	BX Sealed 4.0x1.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	12 978	
BX4015L2SM	BX Sealed 4.0x1.5x1.55m 1001-2300CVR Middle	11 366	
BX4015L2SU	BX Sealed 4.0x1.5x1.55m 1001-2300CVR US with Inserts only	10 857	
BX4015L2SUH	BX Sealed 4.0x1.5x1.55m 1001-2300CVR US cw HW & WW insrts	11 993	
BX4020L1ND	Box Culvert Toyota 4x2x1.51m 150-1000CVR DS HW&WW Insrt	12 419	
BX4020L1NDH	Box Culvert Toyota 4x2x1.51m 150-1000CVR DS H w WW Insrt	13 555	
BX4020L1NM	Box Culvert Toyota 4x2x1.55m 150-1000CVR MID	12 321	
BX4020L1NU	Box Culvert Toyota 4x2x1.59m 150-1000CVR US HW&WW Insrt	12 541	
BX4020L1NUH	Box Culvert Toyota 4x2x1.59m 150-1000CVR US H w WW Insrt	13 677	
BX4020L1SD	BX Sealed 4.0x2.0x1.55m 400-1000CVR DS with Inserts only	12 718	
BX4020L1SDH	BX Sealed 4.0x2.0x1.55m 400-1000CVR DS cw HW & WW Insrts	13 854	
BX4020L1SM	BX Sealed 4.0x2.0x1.55m 400-1000CVR Middle	12 193	
BX4020L1SU	BX Sealed 4.0x2.0x1.55m 400-1000CVR US with Inserts only	11 633	
BX4020L1SUH	BX Sealed 4.0x2.0x1.55m 400-1000CVR US cw HW & WW insrts	12 769	
BX4020L2ND	Box Culvert Toyota 4x2x1.51m 1001-2300 CVR DS HW&WW Insrt	12 713	
BX4020L2NDH	Box Culvert Toyota 4x2x1.51m 1001-2300 CVR DS H w WW Insrt	13 849	
BX4020L2NM	Box Culvert Toyota 4x2x1.55m 1001-2300 CVR MID	12 615	

BX4020L2NU	Box Culvert Toyota 4x2x1.59m 1001-2300 CVR US HW&WW Insrt	12 835	
BX4020L2NUH	Box Culvert Toyota 4x2x1.59m 1001-2300 CVR US H w WW Insrt	13 971	
BX4020L2SD	BX Sealed 4.0x2.0x1.55m 1001-2300CVR DS with Inserts only	13 058	
BX4020L2SDH	BX Sealed 4.0x2.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	14 194	
BX4020L2SM	BX Sealed 4.0x2.0x1.55m 1001-2300CVR Middle	12 534	
BX4020L2SU	BX Sealed 4.0x2.0x1.55m 1001-2300CVR US with Inserts only	11 974	
BX4020L2SUH	BX Sealed 4.0x2.0x1.55m 1001-2300CVR US cw HW & WW insrts	13 110	
BX4025L1ND	Box Culvert Toyota 4x2.5x1.51m 150-1000CVR DS HW&WW Insrt	13 489	
BX4025L1NDH	Box Culvert Toyota 4x2.5x1.51m 150-1000CVR DS H w WW Insrt	14 625	
BX4025L1NM	Box Culvert Toyota 4x2.5x1.55m 150-1000CVR MID	13 391	
BX4025L1NU	Box Culvert Toyota 4x2.5x1.59m 150-1000CVR US HW&WW Insrt	13 611	
BX4025L1NUH	Box Culvert Toyota 4x2.5x1.59m 150-1000CVR US H w WW Insrt	14 747	
BX4025L1SD	BX Sealed 4.0x2.5x1.55m 400-1000CVR DS with Inserts only	13 717	
BX4025L1SDH	BX Sealed 4.0x2.5x1.55m 400-1000CVR DS cw HW & WW Insrts	14 853	
BX4025L1SM	BX Sealed 4.0x2.5x1.55m 400-1000CVR Middle	13 169	
BX4025L1SU	BX Sealed 4.0x2.5x1.55m 400-1000CVR US with Inserts only	12 560	
BX4025L1SUH	BX Sealed 4.0x2.5x1.55m 400-1000CVR US cw HW & WW insrts	13 696	
BX4025L2ND	Box Culvert Toyota 4x2.5x1.51m 1001-2300 CVR DS HW&WW Insrt	13 671	
BX4025L2NDH	Box Culvert Toyota 4x2.5x1.51m 1001-2300 CVR DS H w WW Insrt	14 807	
BX4025L2NM	Box Culvert Toyota 4x2.5x1.55m 1001-2300 CVR MID	13 573	
BX4025L2NU	Box Culvert Toyota 4x2.5x1.59m 1001-2300 CVR US HW&WW Insrt	13 793	
BX4025L2NUH	Box Culvert Toyota 4x2.5x1.59m 1001-2300 CVR US H w WW Insrt	14 929	
BX4025L2SD	BX Sealed 4.0x2.5x1.55m 1001-2300CVR DS with Inserts only	13 904	
BX4025L2SDH	BX Sealed 4.0x2.5x1.55m 1001-2300CVR DS cw HW & WW Insrts	15 040	
BX4025L2SM	BX Sealed 4.0x2.5x1.55m 1001-2300CVR Middle	13 356	
BX4025L2SU	BX Sealed 4.0x2.5x1.55m 1001-2300CVR US with Inserts only	12 747	
BX4025L2SUH	BX Sealed 4.0x2.5x1.55m 1001-2300CVR US cw HW & WW insrts	13 883	
BX4030L1ND	Box Culvert Toyota 4x3x1.51m 150-1000CVR DS HW&WW Insrt	14 148	
BX4030L1NDH	Box Culvert Toyota 4x3x1.51m 150-1000CVR DS H w WW Insrt	15 284	
BX4030L1NM	Box Culvert Toyota 4x3x1.55m 150-1000CVR MID	14 003	
BX4030L1NU	Box Culvert Toyota 4x3x1.59m 150-1000CVR US HW&WW Insrt	14 319	
BX4030L1NUH	Box Culvert Toyota 4x3x1.59m 150-1000CVR US H w WW Insrt	15 455	
BX4030L1SD	BX Sealed 4.0x3.0x1.55m 400-1000CVR DS with Inserts only	14 524	
BX4030L1SDH	BX Sealed 4.0x3.0x1.55m 400-1000CVR DS cw HW & WW Insrts	15 661	
BX4030L1SM	BX Sealed 4.0x3.0x1.55m 400-1000CVR Middle	13 952	
BX4030L1SU	BX Sealed 4.0x3.0x1.55m 400-1000CVR US with Inserts only	13 293	Yes

BX4030L1SUH	BX Sealed 4.0x3.0x1.55m 400-1000CVR US cw HW & WW insrts	14 430	
BX4030L2ND	Box Culvert Toyota 4x3x1.51m 1001-2300 CVR DS HW&WW Insrt	14 415	
BX4030L2NDH	Box Culvert Toyota 4x3x1.51m 1001-2300 CVR DS H w WW Insrt	15 552	
BX4030L2NM	Box Culvert Toyota 4x3x1.55m 1001-2300 CVR MID	14 316	
BX4030L2NU	Box Culvert Toyota 4x3x1.59m 1001-2300 CVR US HW&WW Insrt	14 586	
BX4030L2NUH	Box Culvert Toyota 4x3x1.59m 1001-2300 CVR US H w WW Insrt	15 722	
BX4030L2SD	BX Sealed 4.0x3.0x1.55m 1001-2300CVR DS with Inserts only	14 782	
BX4030L2SDH	BX Sealed 4.0x3.0x1.55m 1001-2300CVR DS cw HW & WW Insrts	15 918	
BX4030L2SM	BX Sealed 4.0x3.0x1.55m 1001-2300CVR Middle	14 210	
BX4030L2SU	BX Sealed 4.0x3.0x1.55m 1001-2300CVR US with Inserts only	13 550	
BX4030L2SUH	BX Sealed 4.0x3.0x1.55m 1001-2300CVR US cw HW & WW insrts	14 686	

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General information

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July 2023 - June 2024

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PCR review was conducted by:

The Technical Committee of the International EPD System.
See www.environdec.com for a list of members.

Chair:

The most recent review chair: Claudia Peña, PINDA LCT SpA.
The review panel may be contacted via the Secretariat:
www.environdec.com/contact

Independent third-party verification of the declaration and data, according to ISO 14025:

☒ EPD verification (by individual verifier)

Third-party verifier:

Claudia A. Peña, PINDA LCT SpA

(Approved by: EPD Australasia)

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Procedure for follow-up of data during EPD validity involved third-party verifier

☐ Yes

☒ No

Version history

1. 2025-06-17 – Original EPD release
 2. 2025-07-11 – Editorial update to correct dates on front cover
- No data and results changes to the original EPD

An Environmental Product Declaration, or EPD, is a standardised and verified way of quantifying the environmental impacts of a product based on a consistent set of rules known as a PCR (Product Category Rules).

The EPD owner has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programmes may not be comparable. EPDs of construction products may not be comparable if they do not comply with EN 15804.

EPDs within the same product category but registered in different EPD programmes, or not compliant with EN 15804, may not be comparable. For two EPDs to be comparable, they must be based on the same PCR (including the same version number) or be based on fully-aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have equivalent system boundaries and descriptions of data; apply equivalent data quality requirements, methods of data collection, and allocation methods; apply identical cut-off rules and impact assessment methods (including the same version of characterisation factors); have equivalent content declarations; and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

HYNDS

A thick, bright yellow curved line that starts under the 'H' and sweeps upwards and to the right, ending under the 'S', resembling a stylized smile or a swoosh.