



**polycon**  
surface water drainage

**KE 150**

**DATASHEET**

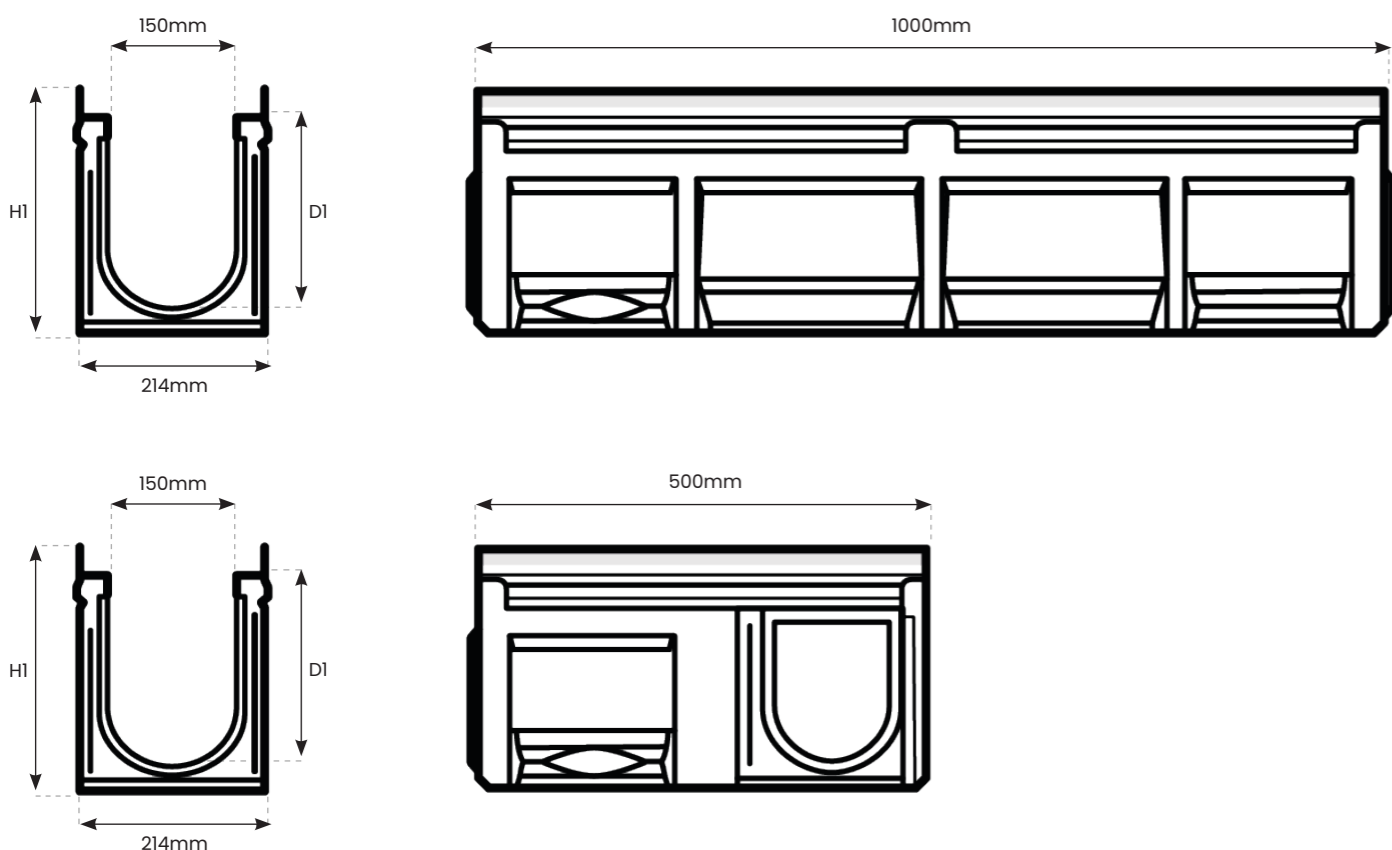
*Service . Range . Knowledge*

# KE 150

The KE 150 channel's combination of a galvanised or stainless-steel edge rail and a polymer concrete core results in a robust and long-lasting drainage solution. Its superior durability, resistance to corrosion, and ease of installation make it a preferred choice for a wide range of construction and civil engineering projects, ensuring effective and sustainable water management.



## DATA SHEET



Reference	Description	Slope	Length	Overall Width	Internal Width	Overall Depth(HI)	Internal Depth(DI)	Weight
KE.150.0	KE - 150 Channel No. 0*	0%	1000mm	214mm	150mm	220mm	200mm	33.0kg
KE.150.0R	KE - 150 Channel No. 0R***	0%	1000mm	214mm	150mm	220mm	200mm	33.0kg
KE.150.005	KE - 150 Channel No. 005**/*	0%	500mm	214mm	150mm	220mm	200mm	17.9kg
KE.150.1	KE - 150 Channel No. 1*	0.5%	1000mm	214mm	150mm	225mm	205mm	30.3kg
KE.150.2	KE - 150 Channel No. 2*	0.5%	1000mm	214mm	150mm	230mm	210mm	30.6kg
KE.150.3	KE - 150 Channel No. 3*	0.5%	1000mm	214mm	150mm	235mm	215mm	30.9kg
KE.150.4	KE - 150 Channel No. 4*	0.5%	1000mm	214mm	150mm	240mm	220mm	31.2kg
KE.150.5	KE - 150 Channel No. 5*	0.5%	1000mm	214mm	150mm	245mm	225mm	31.5kg
KE.150.6	KE - 150 Channel No. 6*	0.5%	1000mm	214mm	150mm	250mm	230mm	31.8kg
KE.150.7	KE - 150 Channel No. 7*	0.5%	1000mm	214mm	150mm	255mm	235mm	32.1kg
KE.150.8	KE - 150 Channel No. 8*	0.5%	1000mm	214mm	150mm	260mm	240mm	32.4kg
KE.150.9	KE - 150 Channel No. 9*	0.5%	1000mm	214mm	150mm	265mm	245mm	32.7kg
KE.150.10	KE - 150 Channel No. 10*	0.5%	1000mm	214mm	150mm	270mm	250mm	33.0kg
KE.150.010	KE - 150 Channel No. 010*	0%	1000mm	214mm	150mm	270mm	250mm	35.6kg
KE.150.010R	KE - 150 Channel No. 010R*	0%	1000mm	214mm	150mm	270mm	250mm	36.5kg
KE.150.0105	KE - 150 Channel No. 0105**/*	0%	500mm	214mm	150mm	270mm	250mm	19.0kg
KE.150.11	KE - 150 Channel No. 11*	0.5%	1000mm	214mm	150mm	275mm	255mm	35.5kg
KE.150.12	KE - 150 Channel No. 12*	0.5%	1000mm	214mm	150mm	280mm	260mm	35.8kg
KE.150.13	KE - 150 Channel No. 13*	0.5%	1000mm	214mm	150mm	285mm	265mm	36.1kg
KE.150.14	KE - 150 Channel No. 14*	0.5%	1000mm	214mm	150mm	290mm	270mm	36.4kg
KE.150.15	KE - 150 Channel No. 15*	0.5%	1000mm	214mm	150mm	295mm	275mm	36.7kg
KE.150.16	KE - 150 Channel No. 16*	0.5%	1000mm	214mm	150mm	300mm	280mm	37.0kg
KE.150.17	KE - 150 Channel No. 17*	0.5%	1000mm	214mm	150mm	305mm	285mm	37.3kg
KE.150.18	KE - 150 Channel No. 18*	0.5%	1000mm	214mm	150mm	310mm	290mm	37.6kg
KE.150.19	KE - 150 Channel No. 19*	0.5%	1000mm	214mm	150mm	315mm	295mm	37.9kg
KE.150.20	KE - 150 Channel No. 20*	0.5%	1000mm	214mm	150mm	320mm	300mm	38.2kg
KE.150.020	KE - 150 Channel No. 020*	0%	1000mm	214mm	150mm	320mm	300mm	38.6kg
KE.150.020R	KE - 150 Channel No. 020R***	0%	1000mm	214mm	150mm	320mm	300mm	38.6kg
KE.150.0205	KE - 150 Channel No. 0205**/**	0%	500mm	214mm	150mm	320mm	300mm	20.9kg
KE.150.150P	KE - 150 Channel No. 150P****	0%	1000mm	214mm	150mm	130mm	110mm	20.1kg
KE.150.150PR	KE - 150 Channel No. 150PR*****	0%	1000mm	214mm	150mm	130mm	110mm	20.1kg

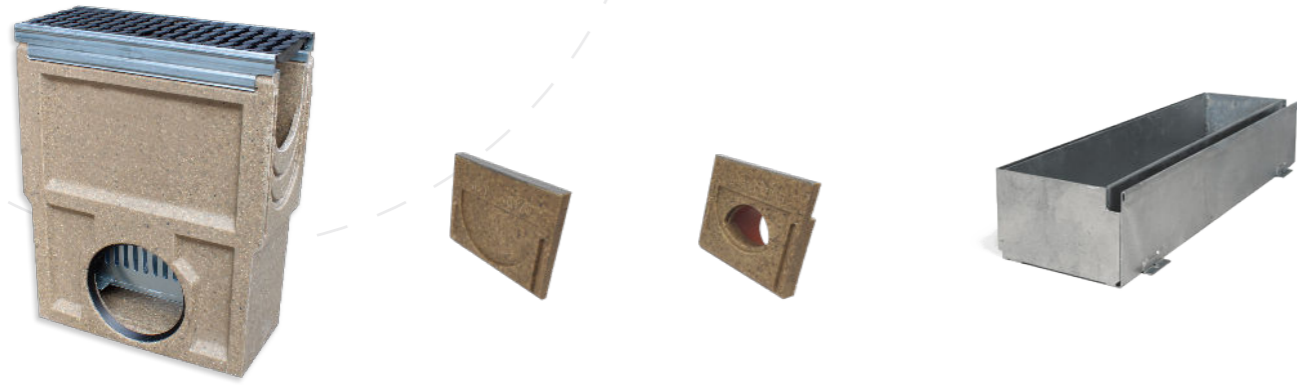
### Channel Properties

Polymere concrete:	Polyester resin-based with mineral aggregates, additives.
Compressive strength:	> 90 N/mm <sup>2</sup>
Bending tensile strength:	> 22 N/mm <sup>2</sup>
Modulus of elasticity:	ca. 25 kN/mm <sup>2</sup>
Density:	2.1 - 2.3 g/dm <sup>3</sup>
Heat resistance:	100°C (permenant loading)
Frost resistance:	-50°C
Water penetration depth:	0mm
Water absorption	0.05%
Edge protection:	Galvanised steel, stainless steel, profile thickness 6mm or cataphoretic black.
Channel cover:	Galvanised steel, V2A stainless steel, GJS cast-iron, PA plastic.

\* Channel with mouldings for vertical outlet DA/OD 110.

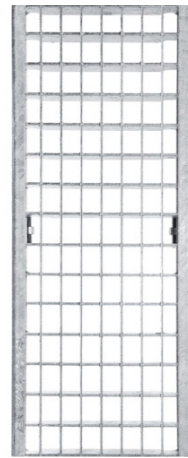
\*\* Channel with sidewise perforations for the connection of t-junctions, elbow joints and cross-over joints and vertical outlet.

\*\*\* Channel with vertical pipe socket DA/OD 110.



### Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Slot Width	Weight (KG)	Outlet
KE.150.SU	KE 150 Sump Unit	500mm	594mm	214mm	-	54kg	160mm
KE.150.EC	KE 150 End Cap for channel No. 0 - 0205	30mm	130-220mm	214mm	-	1.5kg	-
KE.150.ECO	KE 150 End Cap Outlet	30mm	160mm	214mm	-	1.5kg	160mm
KE.150.AT.G	KE 150 Access Tray - Galvanised	500mm	105mm	200mm	10mm	7.2kg	-
KE.150.AT.SS	KE 150 Access Tray - Stainless Street	500mm	105mm	200mm	10mm	7.4kg	-



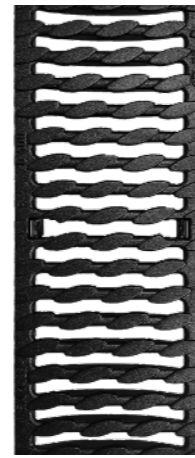
Mesh Steel Grating (D400)



Ductile Iron Longitudinal Grating (E600)



Ductile Iron Slotted Grating (E600)



Ductile Iron Oval Grating (E600)

### Grating - Specifications

Reference	Description	Lengths (mm)	Overall Width	Weight	Load Class	Safe Heel
KE.150.MSG	KE 150 Mesh Steel Grating	1000	200mm	9.8kg	C/D	No
KE.150.DILG	KE 150 Ductile Iron Longitudinal Grating	500/1000	200mm	7.8kg	D/E	No
KE.150.DISG	KE 150 Ductile Iron Slotted Grating	500	200mm	4.4kg	A/B/C/D/E	Yes
KE.150.DIOG	KE 150 Ductile Iron Oval Grating	500	200mm	7.1kg	C/D/E	No





**Polycon Surface Water Drainage**

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