



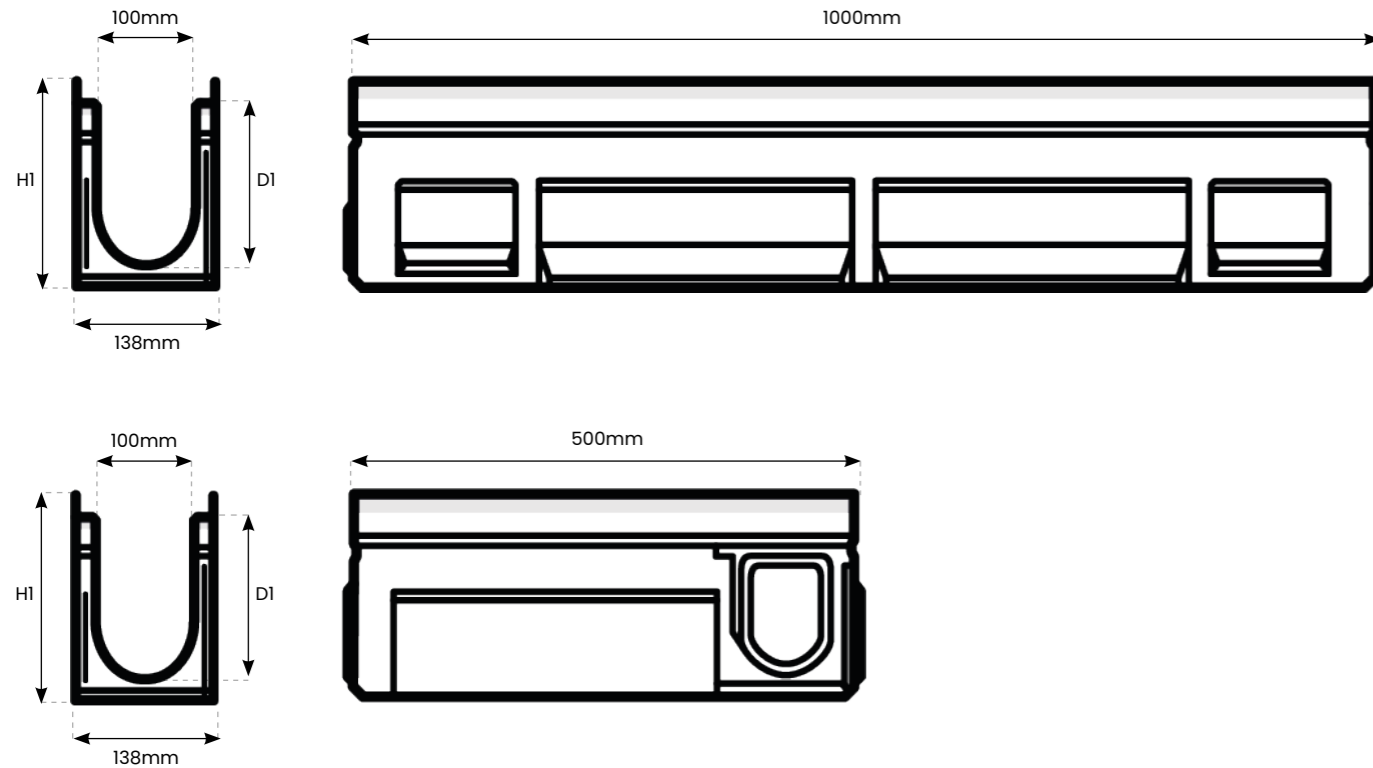
KE 100

DATASHEET

Service . Range . Knowledge

KE 100

The KE 100 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.



Channel Properties

Polymere concrete:	Polyester resin-based with mineral aggregates, additives.
Compressive strength:	> 90 N/mm ²
Bending tensile strength:	> 22 N/mm ²
Modulus of elasticity:	ca. 25 kN/mm ²
Density:	2.1 - 2.3 g/dm ³
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.

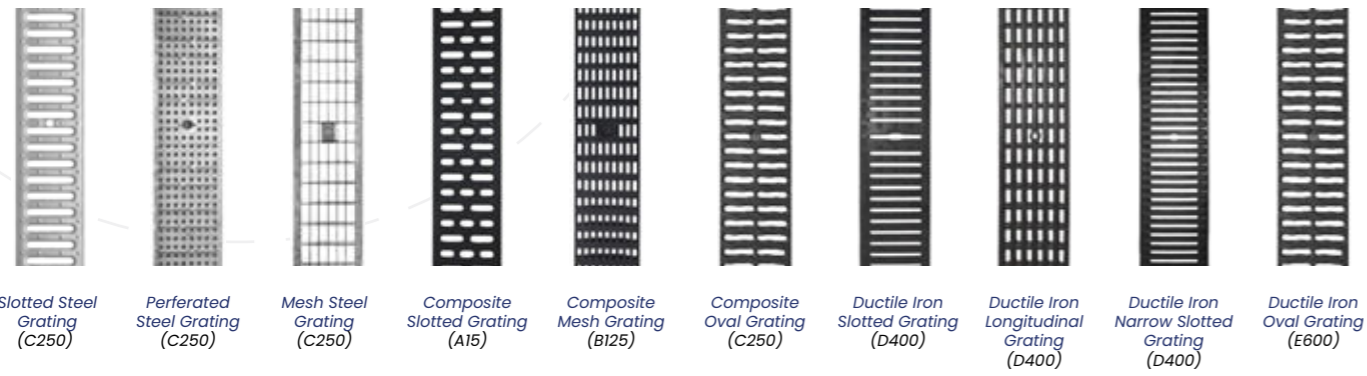
DATA SHEET

Reference	Description	Slope	Length	Overall Width	Internal Width	Overall Depth(HI)	Internal Depth(DI)	Weight
KE.100.0	KE - 100 Channel No. 0*	0%	1000mm	138mm	100mm	150mm	130mm	17.5kg
KE.100.0R	KE - 100 Channel No. 0R***	0%	1000mm	138mm	100mm	150mm	130mm	17.5kg
KE.100.005	KE - 100 Channel No. 005**/*	0%	500mm	138mm	100mm	150mm	130mm	9.5kg
KE.100.1	KE - 100 Channel No. 1	0.5%	1000mm	138mm	100mm	155mm	135mm	17.5kg
KE.100.2	KE - 100 Channel No. 2	0.5%	1000mm	138mm	100mm	160mm	140mm	17.5kg
KE.100.3	KE - 100 Channel No. 3	0.5%	1000mm	138mm	100mm	165mm	145mm	18kg
KE.100.4	KE - 100 Channel No. 4	0.5%	1000mm	138mm	100mm	170mm	150mm	18kg
KE.100.5	KE - 100 Channel No. 5*	0.5%	1000mm	138mm	100mm	175mm	155mm	18.5kg
KE.100.05	KE - 100 Channel No. 05*	0%	1000mm	138mm	100mm	175mm	155mm	18.5kg
KE.100.055	KE - 100 Channel No. 05R***	0%	1000mm	138mm	100mm	175mm	155mm	18.5kg
KE.100.6	KE - 100 Channel No. 055**/*	0%	500mm	138mm	100mm	175mm	155mm	9.5kg
KE.100.6	KE - 100 Channel No. 6	0.5%	1000mm	138mm	100mm	180mm	160mm	19kg
KE.100.7	KE - 100 Channel No. 7	0.5%	1000mm	138mm	100mm	185mm	165mm	19.5kg
KE.100.8	KE - 100 Channel No. 8	0.5%	1000mm	138mm	100mm	190mm	170mm	19.5kg
KE.100.9	KE - 100 Channel No. 9	0.5%	1000mm	138mm	100mm	195mm	175mm	20kg
KE.100.10	KE - 100 Channel No. 10*	0.5%	1000mm	138mm	100mm	200mm	180mm	21kg
KE.100.010	KE - 100 Channel No. 010*	0%	1000mm	138mm	100mm	200mm	180mm	21kg
KE.100.010R	KE - 100 Channel No. 010R*	0%	1000mm	138mm	100mm	200mm	180mm	21kg
KE.100.0105	KE - 100 Channel No. 0105**/*	0%	500mm	138mm	100mm	200mm	180mm	10.5kg
KE.100.11	KE - 100 Channel No. 11	0.5%	1000mm	138mm	100mm	205mm	185mm	20.5kg
KE.100.12	KE - 100 Channel No. 12	0.5%	1000mm	138mm	100mm	210mm	190mm	21kg
KE.100.13	KE - 100 Channel No. 13	0.5%	1000mm	138mm	100mm	215mm	195mm	21.5kg
KE.100.14	KE - 100 Channel No. 14	0.5%	1000mm	138mm	100mm	215mm	195mm	22kg
KE.100.15	KE - 100 Channel No. 15*	0.5%	1000mm	138mm	100mm	220mm	200mm	22.5kg
KE.100.16	KE - 100 Channel No. 16	0.5%	1000mm	138mm	100mm	225mm	205mm	23kg
KE.100.17	KE - 100 Channel No. 17	0.5%	1000mm	138mm	100mm	230mm	210mm	23kg
KE.100.18	KE - 100 Channel No. 18	0.5%	1000mm	138mm	100mm	235mm	215mm	23.5kg
KE.100.19	KE - 100 Channel No. 19	0.5%	1000mm	138mm	100mm	240mm	220mm	24kg
KE.100.20	KE - 100 Channel No. 20*	0.5%	1000mm	138mm	100mm	245mm	225mm	24.5kg
KE.100.020	KE - 100 Channel No. 020*	0%	1000mm	138mm	100mm	250mm	230mm	25.5kg
KE.100.020R	KE - 100 Channel No. 020R*	0%	1000mm	138mm	100mm	250mm	230mm	25.5kg
KE.100.0205	KE - 100 Channel No. 0205**/*	0%	500mm	138mm	100mm	250mm	230mm	11.2kg
KE.100.060	KE - 100 Channel No. 060*	0%	1000mm	138mm	100mm	60mm	40mm	13.1kg
KE.100.060R	KE - 100 Channel No. 060R***	0%	1000mm	138mm	100mm	60mm	40mm	13.1kg
KE.100.080	KE - 100 Channel No. 080*	0%	1000mm	138mm	100mm	80mm	60mm	13.3kg
KE.100.080R	KE - 100 Channel No. 080R*	0%	1000mm	138mm	100mm	80mm	60mm	13.3kg
KE.100.0100	KE - 100 Channel No. 0100*	0%	1000mm	138mm	100mm	100mm	80mm	14.4kg
KE.100.0100R	KE - 100 Channel No. 0100R*	0%	1000mm	138mm	100mm	100mm	80mm	14.4kg

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

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

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



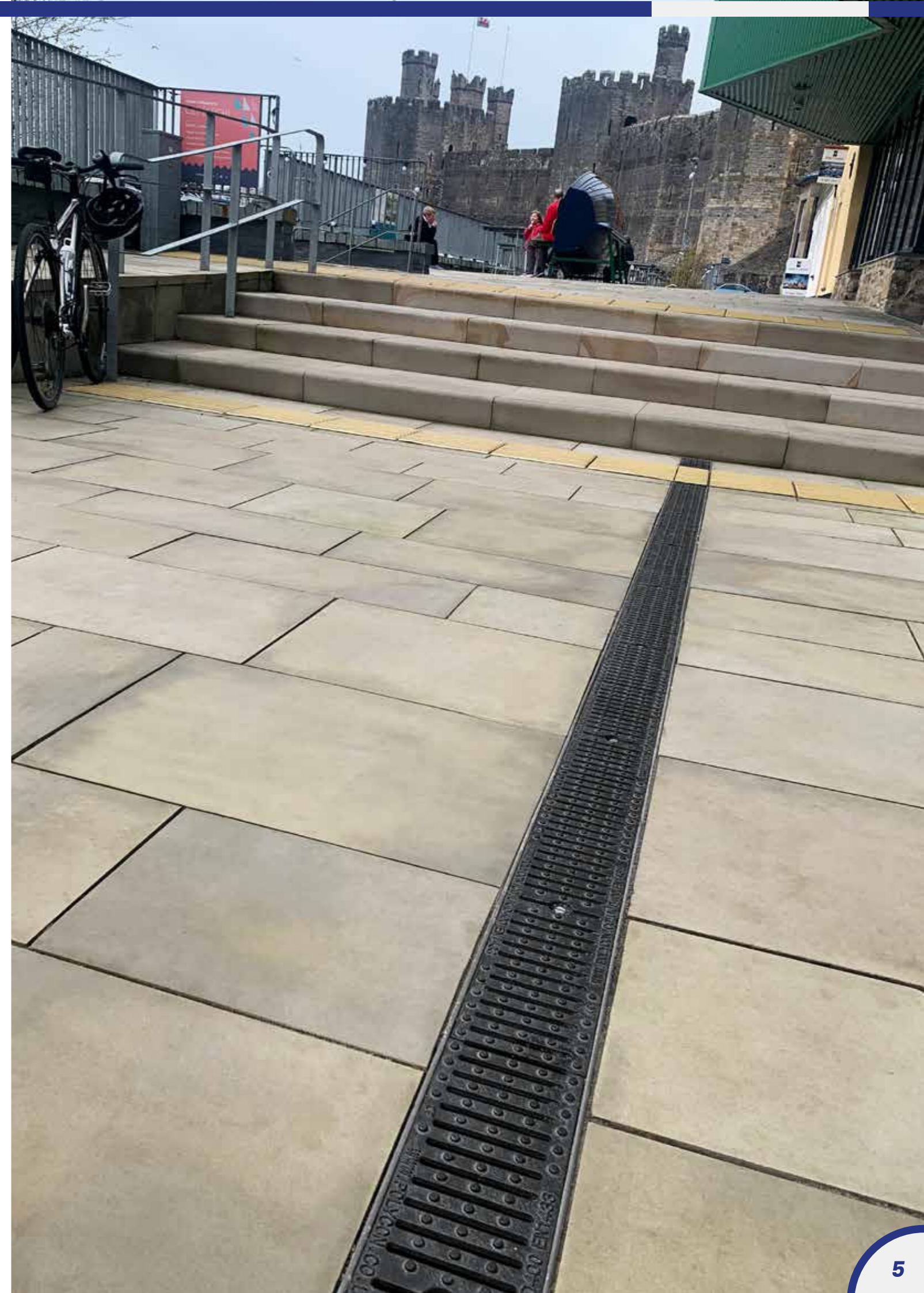
Grating - Specifications

Reference	Description	Lengths (mm)	Overall Width	Weight	Load Class	Safe Heel
KE.100.SSG	KE 100 Slotted Steel Grating	500/1000	123mm	2.4kg	A/C	Yes
KE.100.SSPG	KE 100 Slotted Steel Perforated Grating	500/1000	123mm	1.9kg	A/C	Yes
KE.100.MSG	KE 100 Mesh Steel Grating	500/1000	123mm	3kg	B/C	No
KE.100.CSG	KE 100 Composite Slotted Grating	500/1000	123mm	1.9kg	A	Yes
KE.100.COG	KE 100 Composite Oval Grating	500/1000	123mm	2.6kg	C	No
KE.100.CMG	KE 100 Composite Mesh Grating	500	123mm	3kg	B	No
KE.100.DISG	KE 100 Ductile Iron Slotted Grating	500/1000	123mm	2.1kg	D	Yes
KE.100.DILG	KE 100 Ductile Iron Longitudinal Grating	500/1000	123mm	2kg	D	No
KE.100.DINSG	KE 100 Ductile Iron Narrow Slotted Grating	500/1000	123mm	4.5kg	C/D	Yes
KE.100.DIOG	KE 100 Ductile Iron Oval Grating	500/1000	123mm	5kg	C/D/E	No



Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Slot Width	Weight (KG)	Outlet
KE.100.SU	KE 100 Sump Unit	500mm	450mm	140mm	-	14.8kg	110mm
KE.100.DSU	KE 100 Deep Sump Unit	500mm	585mm	140mm	-	21.8kg	110mm
KE.100.EC	KE 100 End Cap for channel No. 0 - 0205	30mm	150-250mm	140mm	-	0.6kg	-
KE.100.ECO	KE 100 End Cap Outlet	30mm	160mm	140mm	-	0.7kg	110mm
KE.100.AT.G	KE 100 Access Tray - Galvanised	500mm	105mm	123mm	10mm	6.5kg	-
KE.100.AT.SS	KE 100 Access Tray - Stainless Street	500mm	105mm	123mm	10mm	6.5kg	-





Polycon Surface Water Drainage

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