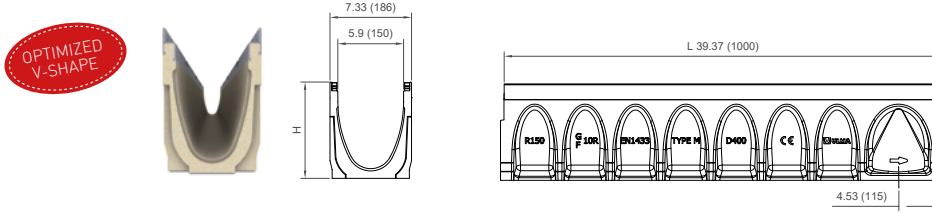


MULTIV+150

LOAD CLASS
UP TO E600 *
EN-1433 STANDARD

ULMA Linear Trench Drain, type MULTIV+® R150G; External width 7.32 inches [186 mm], Internal width 5.90 inches [150mm], with overall heights between 3.15 and 12.6 inches [80 and 320 mm]; suitable for cascade-type slopes to collect rainwater; sections 1 LM inlength; optimized V-shape with self-cleaning effect; especially designed for trench runs with no longitudinal slope; galvanized steel or ductile iron edges for lateral protection; Either Rapidlock® bottless system or screw-fastened. 8 locking points per linear metre.



TRENCH DRAINS



Trench Drain Code		L (in/mm)	H (in/mm)		Width (in/mm)		Ø Outlet* (in/mm)		Hydraul. Section (in ² /cm ²)
Galvanized edge	Ductile iron edge		Initial	Final	Z	X	Vert.	Hor.	
R150GH8**	-	39.37 [1000]	3.15 [80]	3.15 [80]	7.33 [186]	5.9 [150]	6.3 [160]	-	2.36 [60]
R150GH12**	-	39.37 [1000]	4.72 [120]	4.72 [120]	7.33 [186]	5.9 [150]	6.3 [160]	-	4.68 [119]
R150G00R	R150MFG00R	39.37 [1000]	6.69 [170]	6.69 [170]	7.33 [186]	5.9 [150]	6.3 [160]	-	6.14 [156]
R150G10R	R150MFG10R	39.37 [1000]	8.66 [220]	8.66 [220]	7.33 [186]	5.9 [150]	6.3 [160]	-	8.58 [218]
R150G11	R150MFG11	39.37 [1000]	8.66 [220]	8.86 [225]	7.33 [186]	5.9 [150]	6.3 [160]	-	8.88 [225.5]
R150G12	R150MFG12	39.37 [1000]	8.86 [225]	9.05 [230]	7.33 [186]	5.9 [150]	6.3 [160]	-	9.13 [231.9]
R150G13	R150MFG13	39.37 [1000]	9.05 [230]	9.25 [235]	7.33 [186]	5.9 [150]	6.3 [160]	-	9.38 [238.3]
R150G14	R150MFG14	39.37 [1000]	9.25 [235]	9.45 [240]	7.33 [186]	5.9 [150]	6.3 [160]	-	9.63 [244.6]
R150G15	R150MFG15	39.37 [1000]	9.45 [240]	9.64 [245]	7.33 [186]	5.9 [150]	6.3 [160]	-	9.88 [251]
R150G16	R150MFG16	39.37 [1000]	9.64 [245]	9.84 [250]	7.33 [186]	5.9 [150]	6.3 [160]	-	10.13 [257.4]
R150G17	R150MFG17	39.37 [1000]	9.84 [250]	10.04 [255]	7.33 [186]	5.9 [150]	6.3 [160]	-	10.38 [263.8]
R150G18	R150MFG18	39.37 [1000]	10.04 [255]	10.24 [260]	7.33 [186]	5.9 [150]	6.3 [160]	-	10.63 [270.2]
R150G19	R150MFG19	39.37 [1000]	10.24 [260]	10.43 [265]	7.33 [186]	5.9 [150]	6.3 [160]	-	10.88 [276.5]
R150G20	R150MFG20	39.37 [1000]	10.43 [265]	10.63 [270]	7.33 [186]	5.9 [150]	6.3 [160]	-	11.14 [283]
R150G20R	R150MFG20R	39.37 [1000]	10.63 [270]	10.63 [270]	7.33 [186]	5.9 [150]	6.3 [160]	-	11.14 [283]
R150G30R	R150MFG30R	39.37 [1000]	12.60 [320]	12.60 [320]	7.33 [186]	5.9 [150]	6.3 [160]	-	13.78 [350]
19.69 IN TRENCH DRAINS									
R150G00RM	R150MFG00RM	19.69 [500]	6.69 [170]	6.69 [170]	7.33 [186]	5.9 [150]	4.33 [110]	3.54 [90]	6.14 [156]
R150G10RM	R150MFG10RM	19.69 [500]	8.66 [220]	8.66 [220]	7.33 [186]	5.9 [150]	4.33 [110]	4.92 [125]	8.58 [218]
R150G20RM	R150MFG20RM	19.69 [500]	10.63 [270]	10.63 [270]	7.33 [186]	5.9 [150]	4.33 [110]	6.3 [160]	11.14 [283]

*Vert. outlets on order.
**U shaped section.

19.69 in trench drains

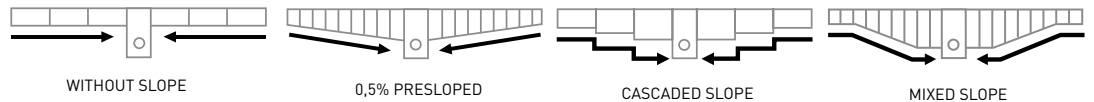
LOCKING SYSTEM



FAST, BOLTLESS SAFETY LOCKING 8 fastening points per trench drain.

rapidlock®

SLOPE DESIGNS



*For cross-drainage in heavy traffic areas, we recommend our KOMPAQDRAIN® system.

MATERIAL PROPERTIES

Channel units and construction units

- Polymer concrete: based on polyester resin, with natural minerals
- Compressive resistance: 90-130 N/mm²
- Flexural strength: 18-25 MPa
- Modulus of elasticity: 25000 MPa
- Density: 2,3 kg/dm³
- Linear expansion coefficient: $1 \times 10^{-5} 1/C$
- Unalterable in freeze/thaw cycles
- Water absorption level: 0 mm
- Water absorption coefficient: 0-0,3

Channel covers

- Ductile iron
- Galvanized steel
- Stainless steel
- Plastic

Edge protection

- Ductile iron
- Galvanized steel
- Stainless steel

CHANNEL HYDRAULIC CAPACITY

Length (m)	MULTI V+ 150					
	R150.H8	R150.H12	R150.00R	R150.10R	R150.20R	R150.30R
5	1,47	4,42	6,75	16,05	17,30	23,98
10	1,33	4,12	6,33	14,31	16,14	22,34
15	1,23	3,90	6,02	13,85	15,44	21,36
20	1,14	3,71	5,79	12,85	14,88	20,58
25	1,08	3,55	5,58	12,29	14,39	19,91
30	1,01	3,40	5,39	11,91	13,95	19,33
40	0,92	3,17	5,07	10,80	13,21	18,33
50	0,85	2,97	4,77	10,27	12,58	17,46
60	0,79	2,81	4,55	9,57	12,04	16,74
70	0,75	2,67	4,36	8,99	11,56	16,10
80	0,71	2,55	4,20	8,68	11,15	15,52
90	0,67	2,44	4,04	8,26	10,77	15,01
100	0,64	2,35	3,90	7,89	10,43	14,55