DATA SHEET

RECYFIX CHANNEL AND VERTICAL DRAIN

PRODUCT DESCRIPTION : Linear drainage channel and vertical drain, equipped with a grate, for residential, commercial or industrial areas (see load class table on the next page).

FUNCTION : Perpendicular collection accross the full width of a drainage surface

MANUFACTURING STANDARD : EN 1433 - hydraulic channels for pedestrian and vehicle traffic areas - classification, requirements, construction and testing principles, marking and conformity evaluation.

RAW MATERIAL : Channel and vertical drain: Recycled polypropylene (PP).
Grate: galvanized steel, polyamide or cast iron.

TECHNICAL DATA : Length of channel-grate assembly: 1 m (3.28 ft)
Length of vertical drain-grate assembly: 0.5 m (1.64 ft)
Structural strength* : EN 1433 ;CSA - S6 : 19 (CL-625) and AASHTO (H-25 and HS-25)

AVAILABLE ACCESSORIES : End cap
For special accessory requirements not listed, contact your Soleno representative.



Model shown: HAU47055



Model shown: HAU47054

TECHNICAL DATA TABLE - CHANNEL (1)

	CHANNEL						GRATES							ASSEMBLY Channel and grate		
	Internal dimensions				Max. dia.					Openings						
	Width		Depth		Vertical connection(4)		Load class	Patterns	Material	Dimensions		Total area		Mass		Item number
	mm	in	mm	in	mm	in	kN			mm	in	cm²	in²	kg	lb	
PRO	100	3,9	102	4,0	100	4	B125	Mesh grating	Galv. Steel	30 X 10	1,2 X 0,4	1099	170,3	6,0	13,3	HAU47034
	100	3,9	102	4,0	100	4	C250	Slotted(2)(3)	Polyamide(5)	9	0,4	372	57,66	4,6	10,1	HAU47055
	100	3,9	152	6,0	100	4	C250	Slotted(2)(3)	Polyamide(5)	9	0,4	372	57,7	4,9	10,8	HAU47060
	100	3,9	152	6,0	100	4	A15	Slotted(2)(3)	Galv. Steel	1000 X 10	39.4 X 0.4	-	-	7,73	17,0	HAU48642+ HAU32245
	150	5,9	160	6,3	150	6	B125	Mesh grating	Galv. Steel	30 X 10	1,2 X 0,4	1490	231,0	8,6	19,0	HAU47140
	150	5,9	160	6,3	150	6	C250	Slotted(2)(3)	Polyamide	9	0,4	500	77,5	7,38	16,3	HAU47111
	150	5,9	160	6,3	150	6	C250	Long. slot.(2)	Galv. Steel	1000 X 12	39,4 X 0,5	-	-	14,2	31,2	HAU31110+ HAU47100
	200	7,9	152	6,0	150	6	B125	Mesh grating	Galv. Steel	30 X 10	1,2 X 0,4	1873	290,3	11,0	24,3	HAU47248
	200	7,9	152	6,0	150	6	B125	Slotted(2)(3)	Polyamide	9	0,4	656	101,7	8,0	17,6	HAU47246
	200	7,9	152	6,0	150	6	C250	Slotted(2)(3)	Polyamide	9	0,4	656	101,7	8,66	19,09	HAU10166

Note 1 : For any dimensions not shown in the above table, please refer to the product technical drawing available at soleno.com or contact your Soleno representative.
Note 2 : Grate is Conform to Americans with disabilities Act (www.ada.gov).
Note 3 : Heel proof grate.
Note 4 : The vertical connection must be drilled in on construction site according to the specifications on the product's technical drawing and the instructions in the installation guide available at soleno.com.
Note 5 : The polyamide grate is black. Other colors are available upon request for the 100 mm (4 in) wide channel, please contact your Soleno representative.

DATA SHEET

RECYFIX CHANNEL AND VERTICAL DRAIN (CONT'D)

TECHNICAL DATA TABLE - CHANNEL[1] (CONT'D)

	CHANNEL						GRATES							ASSEMBLY Channel and grate		
	Internal dimensions				Max. dia.					Openings						
	Width		Depth		Vertical connection[4]		Load class	Patterns	Material	Dimensions		Total area		Mass		Item number
	mm	in	mm	in	mm	in	kN			mm	in	cm^2	in^2	kg	lb	
NC	100	3,9	102	4,0	100	4	D400	Slotted[2][3]	Cast iron	10	0,4	427	66,19	10,7	23,5	HAU48771
	100	3,9	102	4,0	100	4	E600	Slotted[2][3]	Cast iron	10	0,4	427	66,19	10,7	23,6	HAU48770
	100	3,9	152	6,0	100	4	E600	Slotted[2][3]	Cast iron	10	0,4	426	66,1	12,0	26,5	HAU48772
	150	5,9	160	6,3	150	6	D400	Slotted[2]	Cast iron	18	0,7	702	108,8	15,7	34,7	HAU48871
	150	5,9	160	6,3	150	6	E600	Slotted[2]	Cast iron	18	0,7	702	108,8	15,7	34,7	HAU48870
	200	7,9	152	6,0	150	6	D400	Slotted[2]	Cast iron	18	0,7	936	145,1	20,8	45,8	HAU49573
	200	7,9	152	6,0	150	6	E600	Slotted[2]	Cast iron	18	0,7	936	145,1	20,8	45,8	HAU49572
	300	11,8	300	11,8	200	8	D400	Slotted[2]	Cast iron	18	0,7	1293	200,4	34,7	76,4	HAU49873
	300	11,8	300	11,8	200	8	E600	Slotted[2]	Cast iron	18	0,7	1293	200,4	35,0	77,2	HAU49872

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Note 3 : Heel proof grate.
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TECHNICAL DATA TABLE - VERTICAL DRAIN[1]

	VERTICAL DRAIN						GRATES					BASKET	ASSEMBLY Vertical drain, grate and basket		
	Internal dimensions				Max. dia.					Openings					
	Width		Depth		Vertical connection[4]		Load class	Patterns	Material	Dimensions		Material	Mass		Item number
	mm	in	mm	in	mm	in	kN			mm	in		kg	lb	
PRO	100	3,9	-	-	150	6	B125	Mesh grating	Galv. Steel	30 x 10	1,2 x 0,4	PVC	6,4	14,1	HAU47052
	100	3,9	-	-	150	6	C250	Slotted[2][3]	Polyamide[5]	9	0,4	PVC	5,89	13,0	HAU47054
	150	5,9	182	7,2	200	8	C250	Long. slot.[2]	Galv. Steel	500 X 12	19,7 X 0,5	Galv. Steel	15,9	35,0	HAU47151+ HAU31115
	150	5,9	182	7.2	200	8	B125	Slotted[2][3]	Polyamide[5]	9	0.4	Galv. Steel	18	39.7	HAU47153
	150	5,9	182	7,2	200	8	B125	Mesh grating	Galv. Steel	30 x 10	1,2 x 0,4	Galv. Steel	19,4	42,7	HAU47155
	150	5,9	182	7,2	200	8	C250	Slotted[2][3]	Polyamide	9	0,4	Galv. Steel	18	39,7	HAU47152
	200	7,9	226	8,9	200	8	B125	Mesh grating	Galv. Steel	30 x 10	1,2 x 0,4	Galv. Steel	30,1	66,2	HAU47256
	200	7,9	226	8,9	200	8	B125	Slotted[2][3]	Polyamide	9	0,4	PVC	28,9	63,7	HAU47253
	200	7,9	226	8,9	200	8	C250	Slotted[2][3]	Poluamide	9	0,4	Galv. Steel	29,2	64,4	HAU10168

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RECYFIX CHANNEL AND VERTICAL DRAIN (CONT'D)

TECHNICAL DATA TABLE - VERTICAL DRAIN[1] (CONT'D)

	VERTICAL DRAIN						GRATES					BASKET	ASSEMBLY Vertical drain, grate and basket		
	Internal dimensions				Max. dia.					Openings					
	Width		Depth		Vertical connection[4]		Load class	Patterns	Material	Dimensions		Material	Mass		Item number
	mm	in	mm	in	mm	in	kN			mm	in		kg	lb	
NC	100	3,9	-	-	150	6	D400	Slotted[2][3]	Cast iron	10	0.4	PVC	8,8	19,4	HAU48754
	100	3,9	-	-	150	6	E600	Slotted[2][3]	Cast iron	10	0,4	PVC	8,9	19,5	HAU48753
	150	5,9	182	7,2	200	8	D400	Slotted[2]	Cast iron	18	0,7	Galv. Steel	22.2	48.9	HAU48854
	150	5,9	182	7,2	200	8	E600	Slotted[2]	Cast iron	18	0,7	Galv. Steel	22,2	48,9	HAU48853
	200	7,9	226	8.9	200	8	D400	Slotted[2]	Cast iron	18	0,7	Galv. Steel	35.2	77.6	HAU49554
	200	7,9	226	8,9	200	8	E600	Slotted[2]	Cast iron	18	0,7	Galv. Steel	35,2	77,6	HAU49553
	300	11,8	300	11,8	300	12	D400	Slotted[2]	Cast iron	18	0,7	Galv. Steel	50,5	111,3	HAU32330
	300	11,8	300	11,8	300	12	E600	Slotted[2]	Cast iron	18	0,7	Galv. Steel	50,5	111,3	HAU32338

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RECYFIX CHANNEL AND VERTICAL DRAIN (CONT'D)

COMPATIBILITY TABLE

	VERTICAL DRAIN	CHANNEL
PRO	HAU47052	HAU47034
	HAU47054	HAU47055 HAU47060
	HAU47151 + HAU31115	HAU47100 + HAU31110
	HAU47155	HAU47140
	HAU47152	HAU47111
	HAU47256	HAU47248
	HAU47253	HAU47246
	HAU10168	HAU10166

	VERTICAL DRAIN	CHANNEL
NC	HAU48753	HAU48770
	HAU48754	HAU48771
	HAU48854	HAU48871
	HAU49554	HAU49573
	HAU48853	HAU48870
	HAU49553	HAU49573
	HAU32330	HAU49873
	HAU32338	HAU49872

APPLICATION : Linear collection
INSTALLATION : Visit our website at soleno.com for the installation guide.

DATA SHEET

LOAD CLASS

As per standard EN 1433

					
A15	**B125**	**C250**	**D400**	**E600**	**F900**
15 kN	125 kN	250 kN	400 kN	600 kN	900 kN
3 372 lb	28 100 lb	56 200 lb	89 920 lb	134 800 lb	202 320 lb
• Bicycle paths • Residential • Private pedestrian areas	• Parks • Private parking • Public pedestrian areas	• Commercial development • Indoor and outdoor public parking	• Traffic • Highways	• Industrial areas • Roads and highways (heavy-duty loads) • Industrial traffic	• Air strips • Heavy wheel loads • Military bases and naval ports