

## DATA SHEET

### RECYFIX CHANNEL AND VERTICAL DRAIN

**PRODUCT DESCRIPTION** : Linear drainage channel and vertical drain for residential, commercial or industrial areas with heavy traffic, light or heavy road loads. Equipped with galvanized steel, polyamide or cast iron grate.

**FUNCTION** : Perpendicular collection across 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 : structure with reinforced ribs and integrated reinforced angles, made entirely of recycled polypropylene (PP).  
Grates: 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 : Load class A15 (15 kN), B125, C250, D400, E600 and F900,  
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

### TECHNICAL DATA TABLE - CHANNEL <sup>(1)</sup>

	CHANNEL						GRATES						ASSEMBLY				
	Internal dimensions				Max. dia.		Load class	Patterns	Material	Openings				Channel and grate			
	Width		Depth		Vertical connection <sup>(4)</sup>					Dimensions		Total area		Mass		Item number	
mm	in	mm	in	mm	in	kN			mm	in	cm <sup>2</sup>	in <sup>2</sup>	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 <sup>(2)(3)</sup>	Polyamide <sup>(5)</sup>	9	0,4	372	57,66	4,6	10,1	HAU47055	
	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 <sup>(2)(3)</sup>	Polyamide	9	0,4	500	77,5	7,38	16,3	HAU47111	
	150	5,9	160	6,3	150	6	C250	Long. slot. <sup>(2)</sup>	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 <sup>(2)(3)</sup>	Polyamide	9	0,4	656	101,7	8,0	17,6	HAU47246	

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](http://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 <sup>(1)</sup> (CONT'D)

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

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.

#### TECHNICAL DATA TABLE - VERTICAL DRAIN <sup>(1)</sup>

	VERTICAL DRAIN						GRATES						BASKET		ASSEMBLY		
	Internal dimensions				Max. dia.		Load class	Patterns	Material	Openings				Vertical drain, grate and basket			
	Width		Depth		Vertical connection <sup>(4)</sup>					Dimensions		Material		Mass		Item number	
	mm	in	mm	in	mm	in	kN			mm	in			kg	lb		
PRO	100	3,9	-	-	100	4	B125	Mesh grating	Galv. Steel	30 x 10	1,2 x 0,4	PVC	6,4	14,1	HAU47052		
	100	3,9	-	-	100	4	C250	Slotted <sup>(2)(3)</sup>	Polyamide <sup>(5)</sup>	9	0,4	PVC	5,89	13,0	HAU47054		
	150	5,9	182	7,2	200	8	C250	Long. slot. <sup>(2)</sup>	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	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 <sup>(2)(3)</sup>	Polyamide	9	0,4	Galv. Steel	18,0	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 <sup>(2)(3)</sup>	Polyamide	9	0,4	PVC	28,9	63,7	HAU47253		
	100	3,9	-	-	100	4	E600	Slotted <sup>(2)(3)</sup>	Cast iron	10	0,4	PVC	8,9	19,5	HAU48753		
	150	5,9	182	7,2	200	8	E600	Slotted <sup>(2)</sup>	Cast iron	18	0,7	Galv. Steel	22,2	48,9	HAU48853		
	200	7,9	226	8,9	200	8	E600	Slotted <sup>(2)</sup>	Cast iron	18	0,7	Galv. Steel	35,2	77,6	HAU49553		
	300	11,8	300	11,8	300	12	E600	Slotted <sup>(2)</sup>	Cast iron	18	0,7	Galv. Steel	50,5	111,3	HAU32338		

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)

#### COMPATIBILITY TABLE

	VERTICAL DRAIN	CHANNEL
PRO	HAU47052	HAU47034
	HAU47054	HAU47055
	HAU47151 + HAU31115	HAU47100 + HAU31110
	HAU47155	HAU47140
	HAU47152	HAU47111
	HAU47256	HAU47248
	HAU47253	HAU47246
	NC	HAU48753
HAU48853		HAU48871 HAU48870
HAU49553		HAU49573 HAU49572
HAU32338		HAU49872 HAU49873

**APPLICATION :** Linear collection

**INSTALLATION :** Visit our website at [solen.com](http://solen.com) for the installation guide.