DATA SHEET

RAUSIKKO™

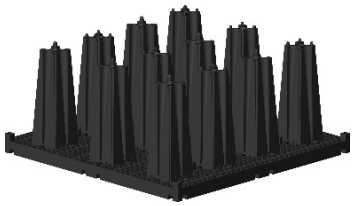
PRODUCT DESCRIPTION : Modular box system for underground retention.

FONCTION : Underground storage of runoff water with or without groundwater replenishment.

MANUFACTURING STANDARDS : EN 17152-1, DIBt Germany and RAL quality mark.

RAW MATERIAL : Polypropylene (PP)

TECHNICAL DATA : Void ratio : 96 %
Load capacity : SLW 60 and CSA CL-625



Basic element RAUSIKKO

TECHNICAL DATA OF BASIC ELEMENTS

	SX				HX			
Color	Black				Blue			
Length	800	mm	31,5	in	800	mm	31,5	in
Width	800	mm	31,5	in	800	mm	31,5	in
Height	330	mm	13,0	in	330	mm	13,0	in
Mass	9,3	kg	20,5	lb	10,1	kg	22,3	lb

TECHNICAL DATA OF SYSTEMS

	SX				HX			
Height (per level[3])								
0,5 level (Box 8.3[1])	360	mm	14,2	in	360	mm	14,2	in
1 level (Box 8.6[2])	660	mm	26,0	in	660	mm	26,0	in
Net volume (per level[3])								
0,5 level (Box 8.3[1])	0,23	m^3	8,1	ft^3	0,23	m^3	8,1	ft^3
1 level (Box 8.6[2])	0,42	m^3	14,9	ft^3	0,42	m^3	14,9	ft^3
Retention volume[4] (per level[3])								
0,5 level (Box 8.3[1])	0,22	m^3	7,8	ft^3	0,22	m^3	7,8	ft^3
1 level (Box 8.6[2])	0,41	m^3	14,3	ft^3	0,41	m^3	14,3	ft^3
Minimum bedding[5]	100	mm	4,0	in	100	mm	4,0	in
Minimum backfill height[6][7]	0,8	m	2,6	ft	0,8	m	2,6	ft
Maximum excavation depth[7]	4,0	m	13,1	ft	5,8	m	19,7	ft

Note 1 : A box 8.3 consists of a basic element and a cover plate.

Note 2 : A box 8.6 consists of two stacked 8.3 basic elements.

Note 3 : Systems can be composed of a minimum of half (1/2) a level, up to a maximum of four (4) levels.

Note 4 : Retention volumes are calculated based on a void ratio of 96 %.

Note 5 : The minimum bedding is indicated to obtain a functional retention system. It is the responsibility of the design engineer to ensure the stability of the foundation. Additionally, for values below the minimum, please contact your Soleno representative.

Note 6 : Road traffic is allowed if the height between the top of the boxes and the final elevation reaches at least this value.

Note 7 : For values below the minimum or above the maximum, please contact your Soleno representative.

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PRODUCT DESCRIPTION : Modular box system for underground retention.

FONCTION : Trap sediments and debris to facilitate the maintenance of stormwater retention systems.

MANUFACTURING STANDARDS : EN 17152-1, DIBt Germany and RAL quality mark.

RAW MATERIAL : Polypropylene (PP)

TECHNICAL DATA : Void ratio : 96 %
Load capacity : SLW 60 and CSA CL-625



RAUSIKKO 8.6 SC

TECHNICAL DATA

	8.6 SC			
Length	800	mm	31,5	in
Width	800	mm	31,5	in
Height (per level[1])	660	mm	26,0	in
Mass	24,3	kg	53,6	lb
Net volume (per level[2])	0,422	m^3	14,9	ft^3
Retention volume[2] (per level[1])	0,406	m^3	14,3	ft^3
Minimum bedding[3]	100	mm	4,0	in
Minimum backfill height[4][5]	0,8	m	2,6	ft
Maximum excavation depth[5]	4,0	m	13,1	ft

Note 1 : Systems can be composed of a minimum of one (1) level, up to a maximum of four (4) levels.

Note 2 : Retention volumes are calculated based on a void ratio of 96 %.

Note 3 : The minimum bedding is indicated to obtain a functional retention system. It is the responsibility of the design engineer to ensure the stability of the foundation. Additionally, for values below the minimum, please contact your Soleno representative.

Note 4 : Road traffic is allowed if the height between the top of the boxes and the final elevation reaches at least this value.

Note 5 : For values below the minimum or above the maximum, please contact your Soleno representative.

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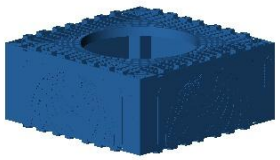
PRODUCT DESCRIPTION : Modular box system for underground retention.

FONCTION : Enable the integration of inspection chimneys within the systems.

MANUFACTURING STANDARDS : EN 17152-1, DIBt Germany and RAL quality mark.

RAW MATERIAL : Polypropylene (PP)

TECHNICAL DATA : Void ratio : 96 %
Load capacity : SLW 60 and CSA CL-625



RAUSIKKO C3 8.3

TECHNICAL DATA

	C3 8.3				C3 8.6			
Length	800	mm	31,5	in	800	mm	31,5	in
Width	800	mm	31,5	in	800	mm	31,5	in
Height (per level[1])	330	mm	13,0	in	660	mm	26,0	in
Mass	13,7	kg	30,2	lb	27,4	kg	60,4	lb
Net volume (per level[1])	0,21	m^3	7,5	ft^3	0,42	m^3	14,9	ft^3
Retention volume[2] (per level[1])	0,20	m^3	7,2	ft^3	0,41	m^3	14,3	ft^3
Minimum bedding[3]	100	mm	4,0	in	100	mm	4,0	in
Minimum backfill height[4][5]	0,8	m	2,6	ft	0,8	m	2,6	ft
Maximum excavation depth[5]	4,0	m	13,1	ft	4,0	m	13,1	ft

Note 1 : Systems can be composed of a minimum of half a level (1 x C3 8.3), up to a maximum of four levels (4 x C3 8.6).

Note 2 : Retention volumes are calculated based on a void ratio of 96 %.

Note 3 : The minimum bedding is indicated to obtain a functional retention system. It is the responsibility of the design engineer to ensure the stability of the foundation. Additionally, for values below the minimum, please contact your Soleno representative.

Note 4 : Road traffic is allowed if the height between the top of the boxes and the final elevation reaches at least this value.

Note 5 : For values below the minimum or above the maximum, please contact your Soleno representative.

APPLICATION : Retention system
Detention system

OPTIONS : Pretreatment unit (recommanded)
Sediment row
Inspection chimney
Diffusor and/or collector
Flow regulator
Control and/or bypass manholes

INSTALLATION : Visit soleno.com to consult the installation guide.