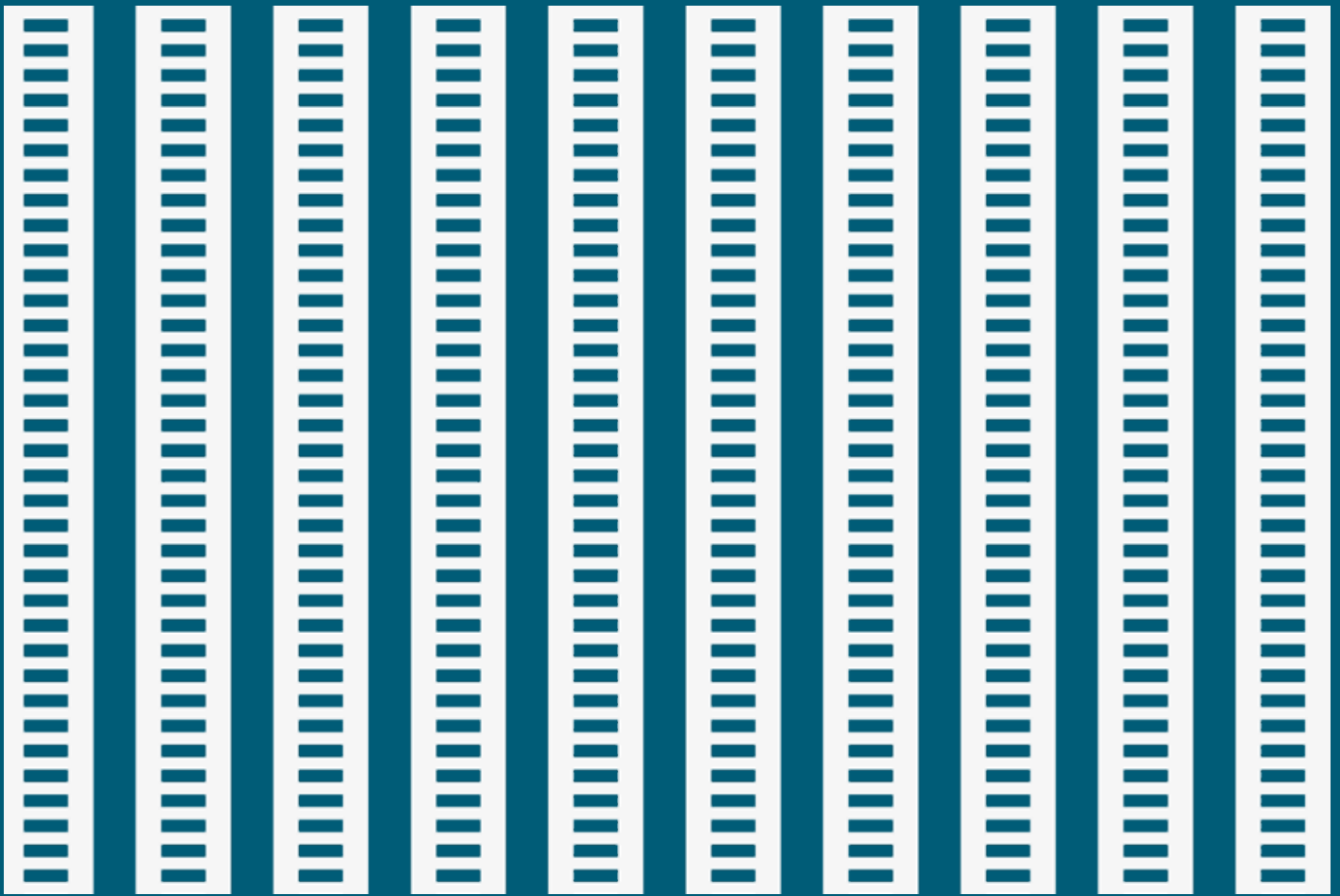


Drainage systems.

Alternative drainage Systems



®

GRIP



ALTERNATIVE DRAINAGE SYSTEMS

PAGE

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WATERTRAP SUMP UNITS FOR BRIDGES

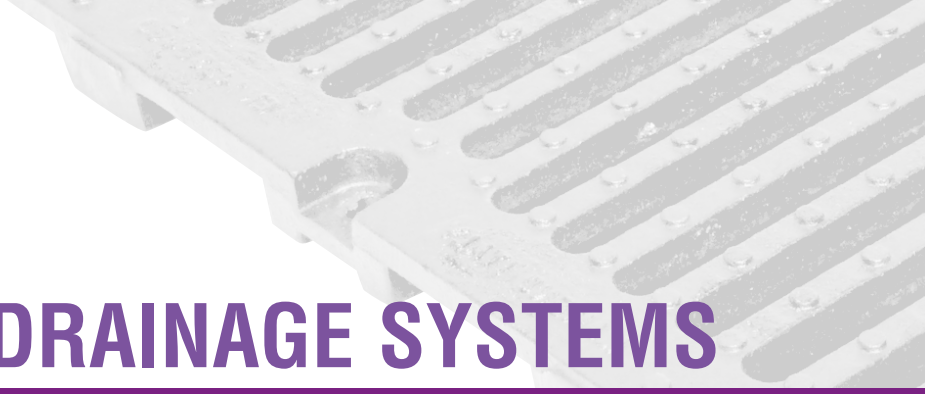
PAGE

8

**DRAINAGE SYSTEMS FOR ROOF GARDENS
SOFT DRAIN SHEET METAL CHANNELS**

ALTERNATIVE DRAINAGE
SYSTEMS

GRIDIRON®
BUILD YOUR CHANGES



ALTERNATIVE DRAINAGE SYSTEMS



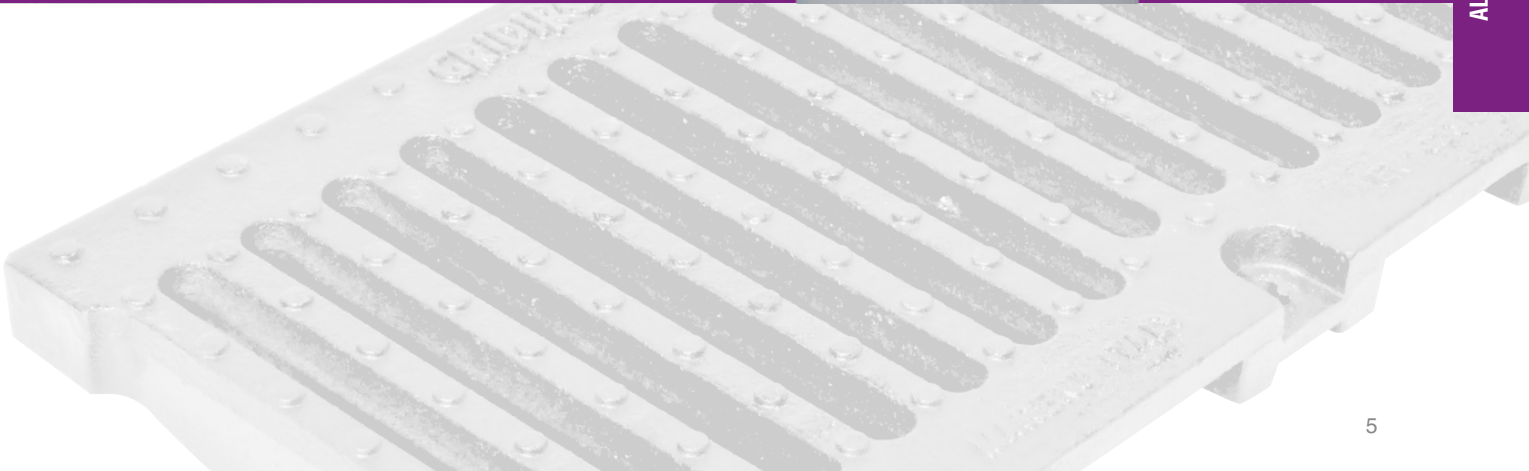
Load classes

In accordance with the UNI EN 124:2015 standard



D 400

SUMP UNITS FOR BRIDGES WATERTRAP



ALTERNATIVE DRAINAGE
SYSTEMS

ALTERNATIVE DRAINAGE SYSTEMS

WATERTRAP SUMP UNITS FOR BRIDGES

TECHNICAL CHARACTERISTICS



LOCKING SCREWS AND NUTS
made of stainless steel

GJS500-7 DUCTILE IRON GRATINGS
with relief notches along their lower section

WATER COLLECTION BUCKET
made of galvanised steel or AISI 304 stainless steel



RUN-OFF PIPE
made of galvanised steel or
AISI 304 stainless steel



WATER DRAINAGE SLOTS
The sump unit's bucket is slotted on both sides for enhanced water run-off deriving from the use of draining asphalt.



MARKING
The Watertrap model road sump unit is marked according to the provisions of the EN 124:2015 standard

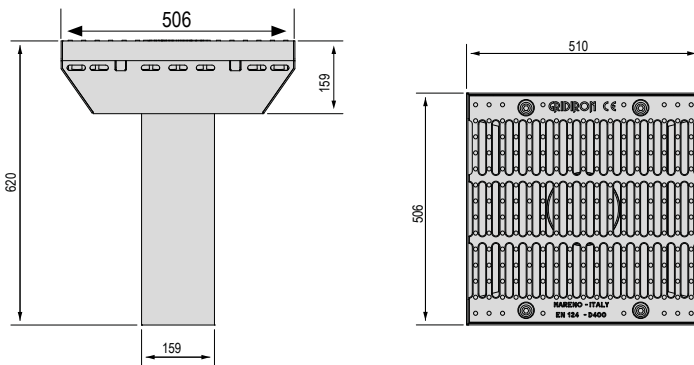
ALTERNATIVE DRAINAGE SYSTEMS

WATERTRAP SUMP UNITS FOR BRIDGES

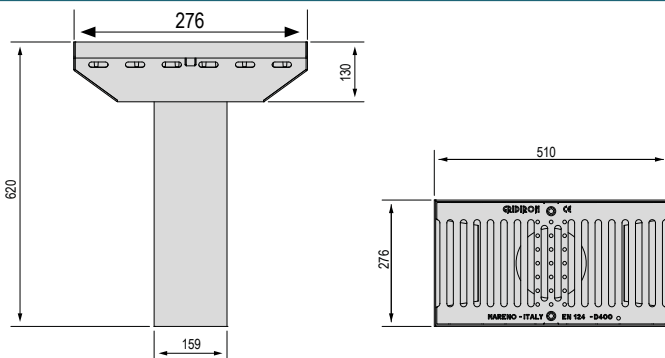
Model: 506 x 510



Model: 276 x 510

506 x 510 Watertrap sump units

Dimensions mm	Code	Description	Water passage free surface cm ²	Weight kg	Load class
506 x 510	4R10PGS	Galvanised sump unit complete with GJS500-7 ductile iron grating secured to direct vertical trap \varnothing 159 mm	826	60.00	D 400

276 x 510 Watertrap sump units

Dimensions mm	Code	Description	Water passage free surface cm ²	Weight kg	Load class
276 x 510	4R03PGS	Galvanised sump unit complete with GJS500-7 ductile iron grating secured to direct vertical trap \varnothing 159 mm	451	30.00	D 400
276 x 510	4R03PIGS	Sump unit made of AISI 304 stainless steel complete with GJS500-7 ductile iron grating secured to direct vertical trap \varnothing 159 mm	451	30.00	D 400

DRAINAGE SYSTEMS FOR ROOF GARDENS

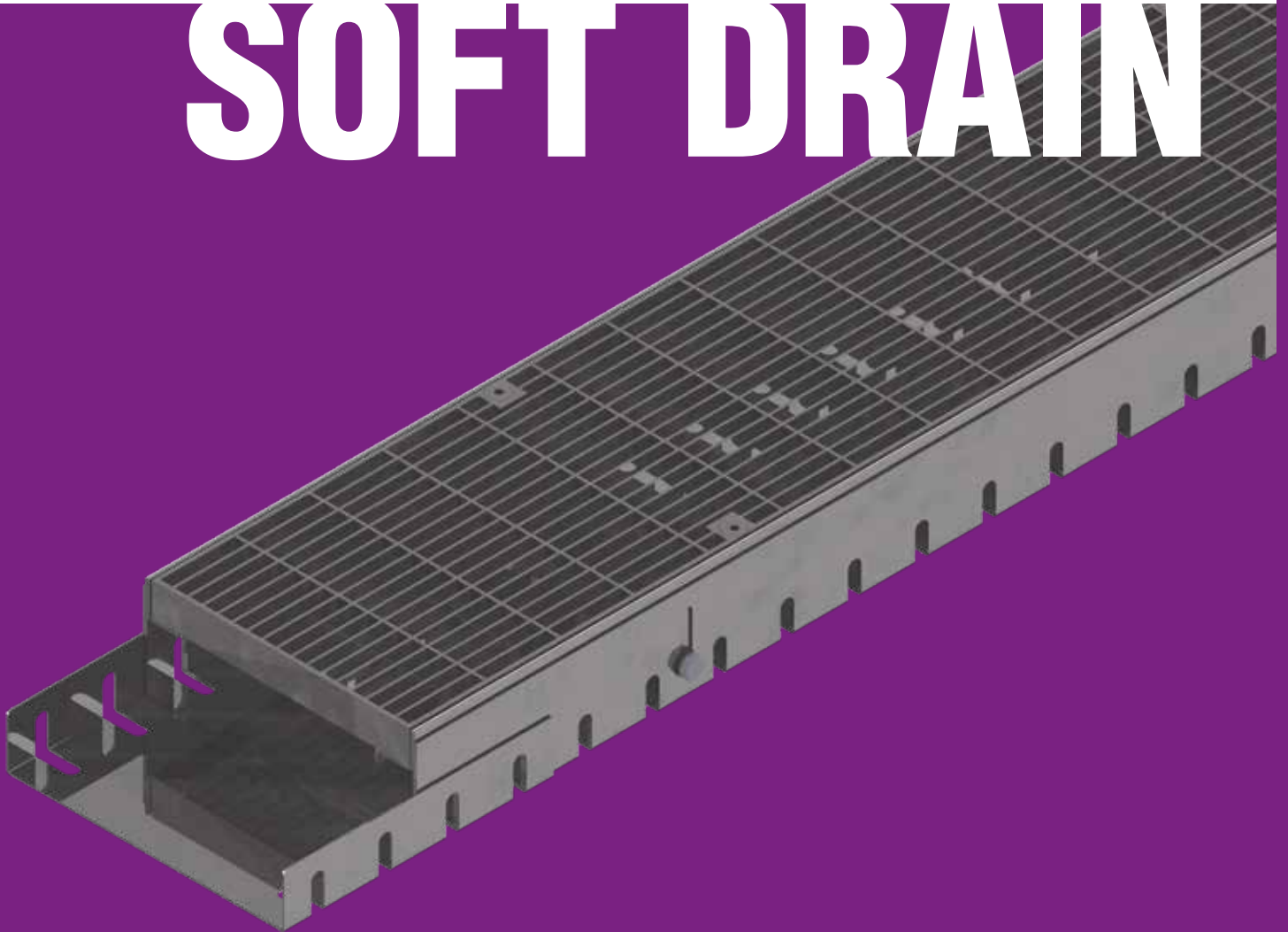
Load classes

In accordance with the UNI EN 1433 standard



A 15

SHEET METAL CHANNELS SOFT DRAIN



- SOFT DRAIN 100
- SOFT DRAIN 150
- SOFT DRAIN 200

ALTERNATIVE DRAINAGE
SYSTEMS



SHEET METAL CHANNELS

SOFT DRAIN

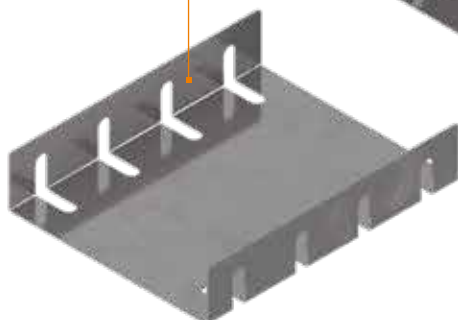
SYSTEM AND TECHNICAL CHARACTERISTICS

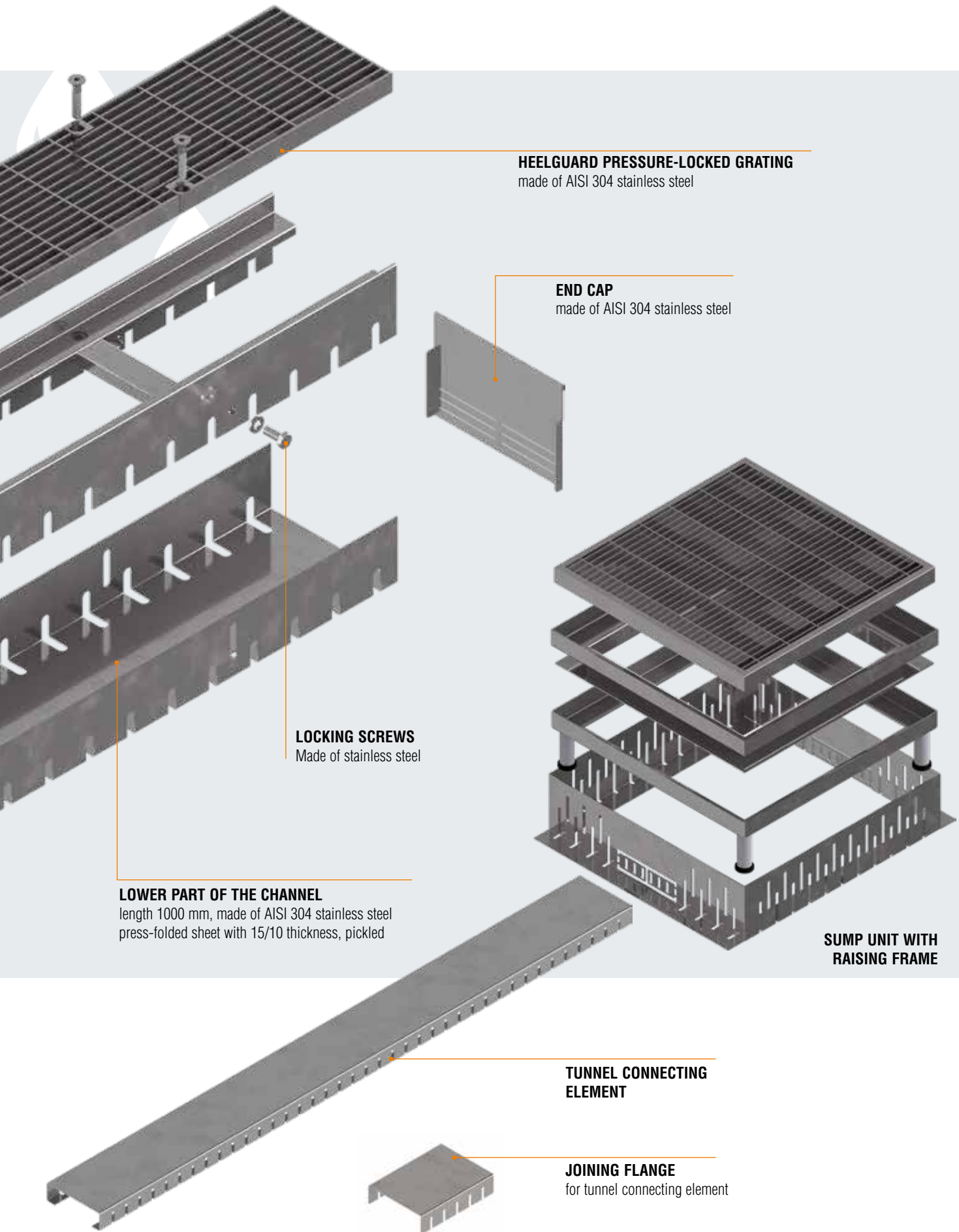
LOCKING SCREWS
Made of stainless steel

Assorted GRATINGS
Made of press-formed sheet metal, pressure-locked grating, with heelguard mesh, for load class A 15

UPPER PART OF THE CHANNEL
length 1000 mm, adjustable height-wise by maximum 30 mm, made of AISI 304 stainless steel press-folded sheet with 15/10 thickness, pickled

JOINING FLANGE
also used for connection to other channels





HEELGUARD PRESSURE-LOCKED GRATING
made of AISI 304 stainless steel

END CAP
made of AISI 304 stainless steel

LOCKING SCREWS
Made of stainless steel

LOWER PART OF THE CHANNEL
length 1000 mm, made of AISI 304 stainless steel
press-folded sheet with 15/10 thickness, pickled

**SUMP UNIT WITH
RAISING FRAME**

**TUNNEL CONNECTING
ELEMENT**

JOINING FLANGE
for tunnel connecting element

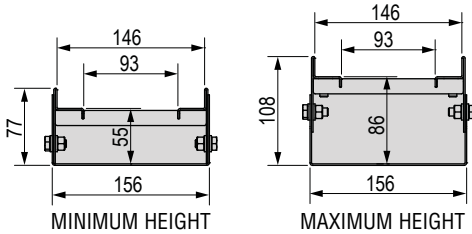
SHEET METAL CHANNELS

SOFT DRAIN 100

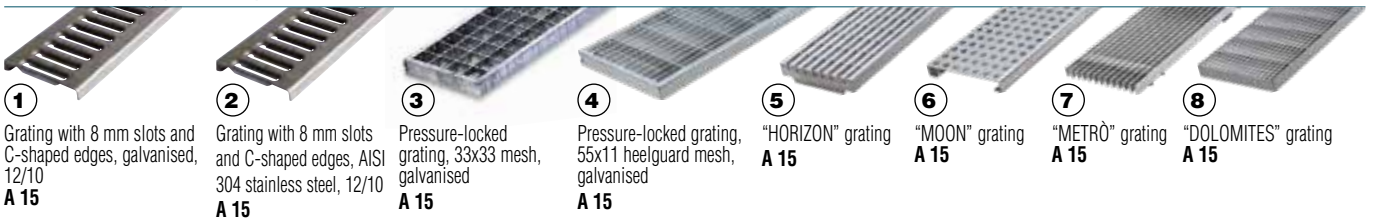
Grating width 150 mm



Dimensions of Soft Drain 100 Channel



Available gratings



Soft Drain 100 channel with grating - Length 1000 / 500 mm

Channel L. mm	Code	Grating	Description of the channel assembled with the grating complete with accessories	Weight kg	Load class
1000	6S00SLC	①	Channel with galvanised press-formed sheet metal grating with 8 mm slots, Th. 12/10, with C-shaped edges, self-locking	8.42	A 15
	6S00SLCI	②	Channel with press-formed AISI 304 stainless steel sheet grating with 8 mm slots, Th. 12/10, with C-shaped edges, self-locking	8.42	
	6S00SG1	③	Channel with pressure-locked grating with C-shaped edges, 20x2-10x2 33x33, hot-dip galvanised	9.14	
	6S00SG2	④	Channel with pressure-locked grating with C-shaped edges, 20x2-10x2 55x11 heelguard mesh, hot-dip galvanised	9.84	
	6S00SD1	⑤	Channel with "HORIZON" model AISI 304 stainless steel grating with U-shaped longitudinal profiles, 6 mm heelguard slots, self-locking	10.17	
	6S00SD2	⑥	Channel with "MOON" model AISI 304 stainless steel sheet grating, Th. 12/10, Ø10 holes, self-locking	9.45	
	6S00SD3	⑦	Channel with "METRÒ" model AISI 304 stainless steel grating, with 15x3 longitudinal plates, self-locking	11.57	
	6S00SD4	⑧	Channel with "DOLOMITES" model AISI 304 stainless steel grating, with triangular-shaped profiles, self-locking	10.26	
500	6S00MSLC	①	Channel with galvanised press-formed sheet metal grating with 8 mm slots, Th. 12/10, with C-shaped edges, self-locking	4.21	A 15
	6S00MSLCI	②	Channel with press-formed AISI 304 stainless steel sheet grating with 8 mm slots, Th. 12/10, with C-shaped edges, self-locking	4.21	
	6S00MSG1	③	Channel with pressure-locked grating with C-shaped edges, 20x2-10x2 33x33, hot-dip galvanised	4.57	
	6S00MSG2	④	Channel with pressure-locked grating with C-shaped edges, 20x2-10x2 55x11 heelguard mesh, hot-dip galvanised	4.92	
	6S00MSD1	⑤	Channel with "HORIZON" model AISI 304 stainless steel grating with U-shaped longitudinal profiles, 6 mm heelguard slots, self-locking	5.09	
	6S00MSD2	⑥	Channel with "MOON" model AISI 304 stainless steel sheet grating, Th. 12/10, Ø10 holes, self-locking	4.73	
	6S00MSD3	⑦	Channel with "METRÒ" model AISI 304 stainless steel grating, with 15x3 longitudinal plates, self-locking	5.79	
	6S00MSD4	⑧	Channel with "DOLOMITES" model AISI 304 stainless steel grating, with triangular-shaped profiles, self-locking	5.13	

Soft Drain 100 sheet metal channel without grating - Length 1000 / 500 mm

Channel L. mm	Code	Description	Water passage mm	Runoff section minimum H cm²	Runoff section maximum H cm²	Weight kg
1000	6S00S	AISI 304 stainless steel Soft Drain 100 channel	93	80	126	6.60
500	6S00MS	AISI 304 stainless steel Soft Drain 100 channel	93	80	126	3.30

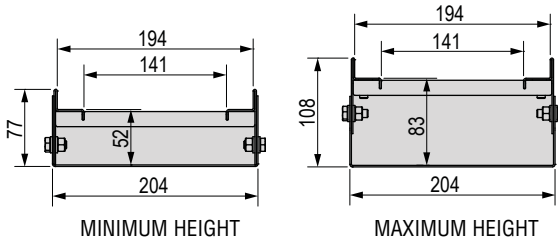
SHEET METAL CHANNELS

SOFT DRAIN 150

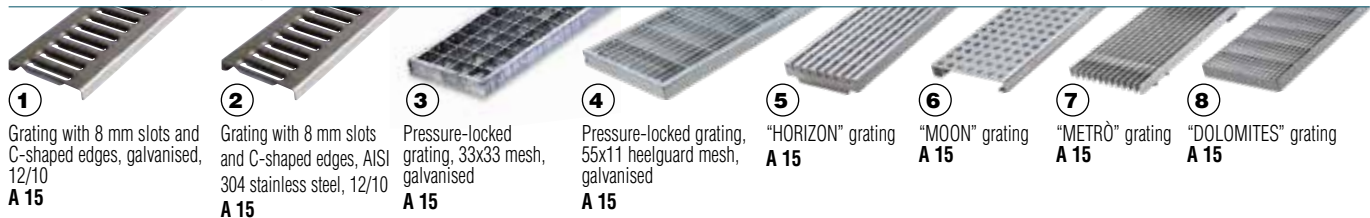
Grating width 200 mm



Dimensions of Soft Drain 150 Channel



Available gratings



① Grating with 8 mm slots and C-shaped edges, galvanised, 12/10
A 15

② Grating with 8 mm slots and C-shaped edges, AISI 304 stainless steel, 12/10
A 15

③ Pressure-locked grating, 33x33 mesh, galvanised
A 15

④ Pressure-locked grating, 55x11 heelguard mesh, galvanised
A 15

⑤ "HORIZON" grating
A 15

⑥ "MOON" grating
A 15

⑦ "METRÒ" grating
A 15

⑧ "DOLOMITES" grating
A 15

Soft Drain 150 channel with grating - Length 1000 / 500 mm

Channel L. mm	Code	Grating	Description of the channel assembled with the grating complete with accessories	Weight kg	Load class
1000	6S05SLC	①	Channel with galvanised press-formed sheet metal grating with 8 mm slots, Th. 12/10, with C-shaped edges, self-locking	9.68	A 15
	6S05SLCI	②	Channel with press-formed AISI 304 stainless steel sheet grating with 8 mm slots, Th. 12/10, with C-shaped edges, self-locking	9.68	
	6S05SG1	③	Channel with pressure-locked grating with C-shaped edges, 25x2-10x2 33x33, hot-dip galvanised	11.23	
	6S05SG2	④	Channel with pressure-locked grating with C-shaped edges, 25x2-10x2 55x11 heelguard mesh, hot-dip galvanised	11.86	
	6S05SD1	⑤	Channel with "HORIZON" model AISI 304 stainless steel grating with U-shaped longitudinal profiles, 6 mm heelguard slots, self-locking	12.11	
	6S05SD2	⑥	Channel with "MOON" model AISI 304 stainless steel sheet grating, Th. 12/10, Ø10 holes, self-locking	11.15	
	6S05SD3	⑦	Channel with "METRÒ" model AISI 304 stainless steel grating, with 15x3 longitudinal plates, self-locking	14.00	
	6S05SD4	⑧	Channel with "DOLOMITES" model AISI 304 stainless steel grating, with triangular-shaped profiles, self-locking	12.24	
500	6S05MSLC	①	Channel with galvanised press-formed sheet metal grating with 8 mm slots, Th. 12/10, with C-shaped edges, self-locking	4.79	A 15
	6S05MSLCI	②	Channel with press-formed AISI 304 stainless steel sheet grating with 8 mm slots, Th. 12/10, with C-shaped edges, self-locking	4.79	
	6S05MSG1	③	Channel with pressure-locked grating with C-shaped edges, 25x2-10x2 33x33, hot-dip galvanised	5.57	
	6S05MSG2	④	Channel with pressure-locked grating with C-shaped edges, 25x2-10x2 55x11 heelguard mesh, hot-dip galvanised	5.88	
	6S05MSD1	⑤	Channel with "HORIZON" model AISI 304 stainless steel grating with U-shaped longitudinal profiles, 6 mm heelguard slots, self-locking	6.01	
	6S05MSD2	⑥	Channel with "MOON" model AISI 304 stainless steel sheet grating, Th. 12/10, Ø10 holes, self-locking	5.53	
	6S05MSD3	⑦	Channel with "METRÒ" model AISI 304 stainless steel grating, with 15x3 longitudinal plates, self-locking	6.95	
	6S05MSD4	⑧	Channel with "DOLOMITES" model AISI 304 stainless steel grating, with triangular-shaped profiles, self-locking	6.07	

Soft Drain 150 sheet metal channel without grating - Length 1000 / 500 mm

Channel L. mm	Code	Description	Water passage mm	Runoff section minimum H cm ²	Runoff section maximum H cm ²	Weight kg
1000	6S05S	AISI 304 stainless steel Soft Drain 150 channel	141	104	167	7.30
500	6S05MS	AISI 304 stainless steel Soft Drain 150 channel	141	104	167	3.60

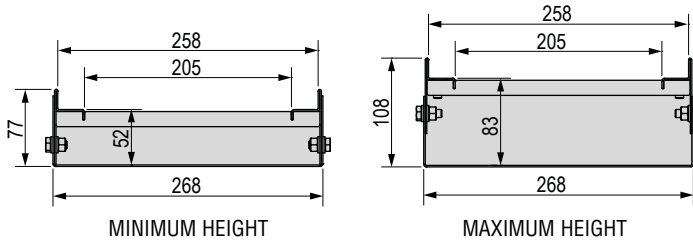
SHEET METAL CHANNELS

SOFT DRAIN 200

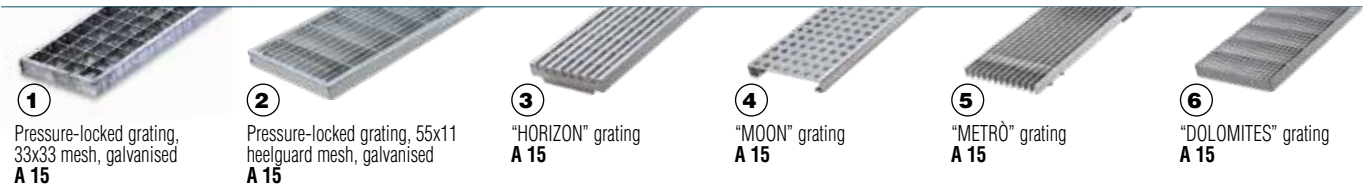
Grating width 250 mm



Dimensions of Soft Drain 200 Channel



Available gratings



Soft Drain 200 channel with grating - Length 1000 / 500 mm

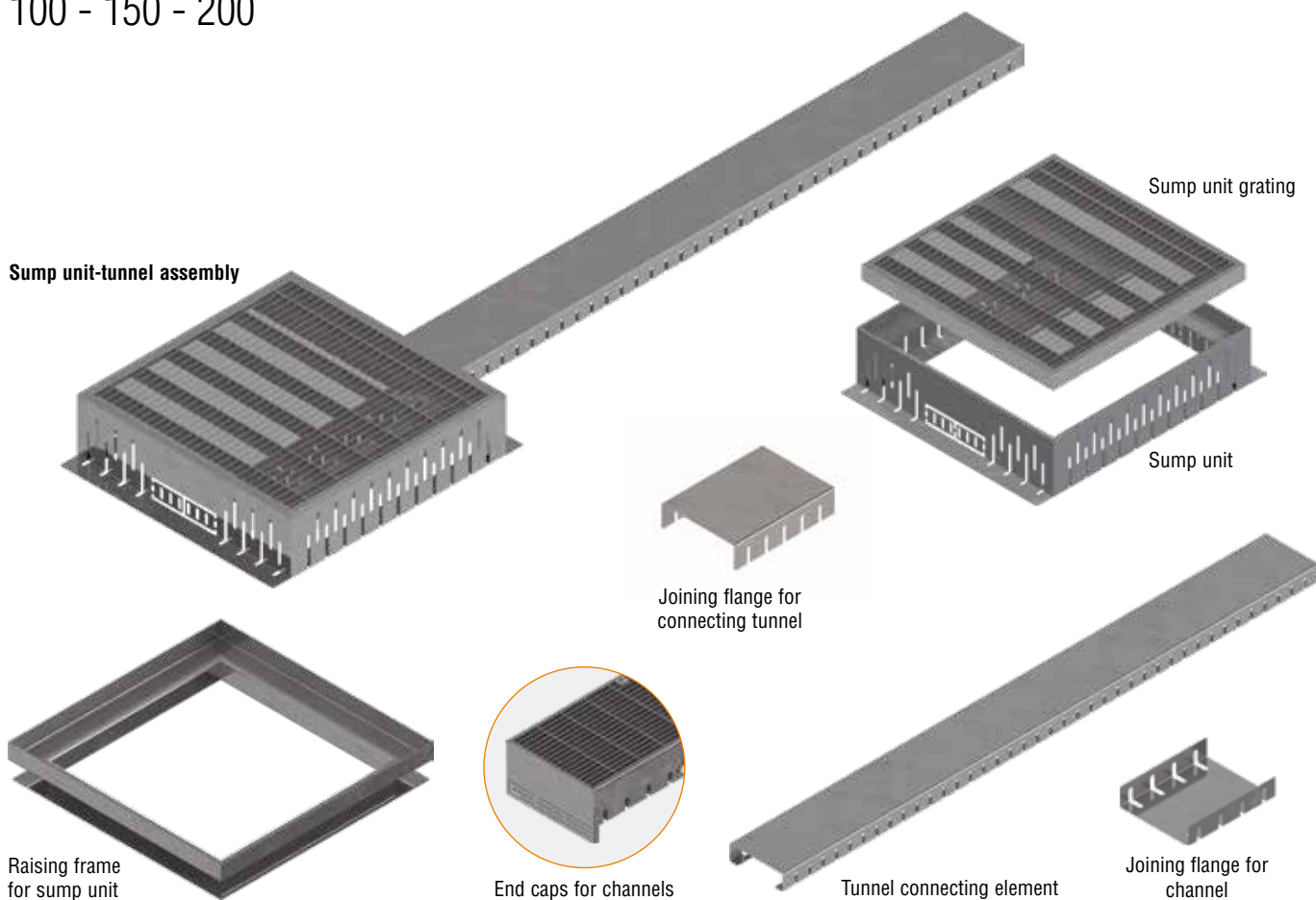
Channel L. mm	Code	Grating	Description of the channel assembled with the grating complete with accessories	Weight kg	Load class
1000	6S10SG1	①	Channel with pressure-locked grating with C-shaped edges, 25x2-10x2 33x33, hot-dip galvanised	13.70	A 15
	6S10SG2	②	Channel with pressure-locked grating with C-shaped edges, 25x2-10x2 55x11 heelguard mesh, hot-dip galvanised	14.63	
	6S10SD1	③	Channel with "HORIZON" model AISI 304 stainless steel grating with U-shaped longitudinal profiles, 6 mm heelguard slots, self-locking	15.04	
	6S10SD2	④	Channel with "MOON" model AISI 304 stainless steel sheet grating, Th. 12/10, Ø10 holes, self-locking	13.74	
	6S10SD3	⑤	Channel with "METRÒ" model AISI 304 stainless steel grating, with 15x3 longitudinal plates, self-locking	17.56	
	6S10SD4	⑥	Channel with "DOLOMITES" model AISI 304 stainless steel grating, with triangular-shaped profiles, self-locking	15.20	
500	6S10MSG1	①	Channel with pressure-locked grating with C-shaped edges, 25x2-10x2 33x33, hot-dip galvanised	6.85	A 15
	6S10MSG2	②	Channel with pressure-locked grating with C-shaped edges, 25x2-10x2 55x11 heelguard mesh, hot-dip galvanised	7.32	
	6S10MSD1	③	Channel with "HORIZON" model AISI 304 stainless steel grating with U-shaped longitudinal profiles, 6 mm heelguard slots, self-locking	7.52	
	6S10MSD2	④	Channel with "MOON" model AISI 304 stainless steel sheet grating, Th. 12/10, Ø10 holes, self-locking	6.87	
	6S10MSD3	⑤	Channel with "METRÒ" model AISI 304 stainless steel grating, with 15x3 longitudinal plates, self-locking	8.78	
	6S10MSD4	⑥	Channel with "DOLOMITES" model AISI 304 stainless steel grating, with triangular-shaped profiles, self-locking	7.60	

Soft Drain 200 sheet metal channel without grating - Length 1000 / 500 mm

Channel L. mm	Code	Description	Water passage mm	Runoff section minimum H cm ²	Runoff section maximum H cm ²	Weight kg
1000	6S10S	AISI 304 stainless steel Soft Drain 200 channel	205	138	221	8.60
500	6S10MS	AISI 304 stainless steel Soft Drain 200 channel	205	138	221	4.30

ACCESSORIES FOR SOFT DRAIN SYSTEM

100 - 150 - 200



Code	Description	Weight kg
6S30P	Soft Drain 100-150-200 sump unit dimensions 350x350 mm	3.00
6S40P	Soft Drain 100-150-200 sump unit dimensions 450x450 mm	3.80
6S50P	Soft Drain 100-150-200 sump unit dimensions 550x550 mm	4.70
6S33RP	Raising frame for sump unit size 350x350 H 30	2.30
6S36RP	Raising frame for sump unit size 350x350 H 60	3.40
6S312RP	Raising frame for sump unit size 350x350 H 120	4.50
6S43RP	Raising frame for sump unit size 450x450 H 30	2.90
6S46RP	Raising frame for sump unit size 450x450 H 60	4.30
6S412RP	Raising frame for sump unit size 450x450 H 120	3.70
6S53RP	Raising frame for sump unit size 550x550 H 30	3.60
6S56RP	Raising frame for sump unit size 550x550 H 60	5.30
6S512RP	Raising frame for sump unit size 550x550 H 120	4.50
5312G	Pressure-locked grating for Soft Drain sump unit size 350x350 with C-shaped edges, 25x2-10x2 55x11 heelguard mesh, hot-dip galvanised	2.80
5313G	Pressure-locked grating for Soft Drain sump unit size 450x450 with C-shaped edges, 25x2-10x2 55x11 heelguard mesh, hot-dip galvanised	4.70
5314G	Pressure-locked grating for Soft Drain sump unit size 550x550 with C-shaped edges, 25x2-10x2 55x11 heelguard mesh, hot-dip galvanised	7.10
6S00T	End cap for Soft Drain 100 channel	0.21
6S05T	End cap for Soft Drain 150 channel	0.28
6S10T	End cap for Soft Drain 200 channel	0.36
6S00F	Joining flange for Soft Drain 100 channel	0.50
6S05F	Joining flange for Soft Drain 150 channel	0.60
6S10F	Joining flange for Soft Drain 200 channel	0.80
6S00RT	Tunnel connecting element L=1000	2.00
6S00RT2	Tunnel connecting element L=2000	4.00
6S00RTF	Joining flange for connecting tunnel	0.30