

SLOPE

NEW

News

The system:

- it supports 4 load classes (C250, D400, E600, F900) in compliance with Standard EN 1433
- it is made up of a HD-PE channel with a strengthening frame
- it is very compact, since the frame is perfectly anchored to the channel body. The frame is made from materials able to resist corrosion due to contact with the surrounding environment and the gratings. The anchoring system was designed to withstand any deformation due shearing or torsional stress
- it is wearproof and very solid thanks to the frame, which ensures a 2.5 mm - thick drive-over edge and a 1.2 mm - thick contact surface
- easy and accurate installation is ensured
- it comprises 3 different types of gratings (with slots, anti-heel mesh, square mesh,) made from galvanised steel, stainless steel and ductile iron.
- the fixing system for the grating is guaranteed by the innovative system hook- lock, the fixing system through the kit tie rods is necessary for the E600 grating
- for a better anchoring between concrete and channel a kit 8 clamps is available on request
- it comes equipped with a classic tie-rod fixing system and a convenient drain gate available in two versions Ø 100 e Ø 110
- it is ideal for private car parks, footways, canalisation systems in roads and parking areas, road crossings with moderate speed vehicular traffic
- it includes models with small sizes (H 55 and H 80) which are perfect for installation into covered industrial pavings whenever the channel edge needs to be protected during polishing
- it comes complete with drain boxes with siphon
- the range is made up of 9 channels with 3 widths and 5 heights (100/55, 100/80, 100/100, 100/160, 150/100, 150/160, 200/100, 200/160, 200/250)



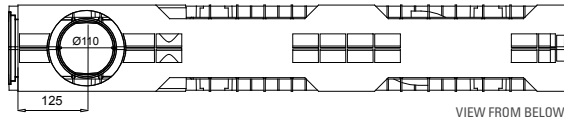


100

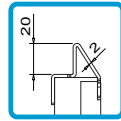


CHANNELS

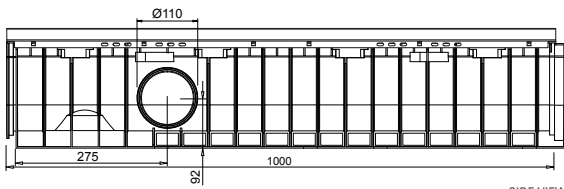
**SLOPE
100**



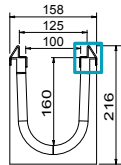
VIEW FROM BELOW



DETAIL SECTION



SIDE VIEW

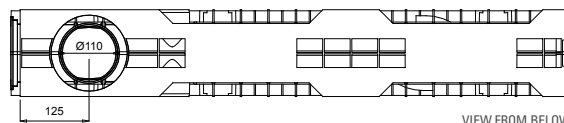


SECTION

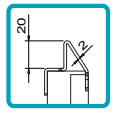


SLOPE 100/160

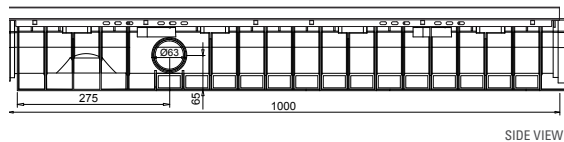
CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF CHANNEL	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	WEIGHT Kg	DRAINAGE SURFACE cm ²	CAPACITY	PREINSTALLED DRAIN mm	
709022		galvanised steel DX51D ³	PE-HD	1000 x 158 x 216	1000 x 100 x 160	5,00	145,28	14,52	side bottom ¹	2 x Ø 110 1 x Ø 110
709008		stainless steel AISI 304 ²								



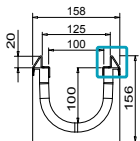
VIEW FROM BELOW



DETAIL SECTION



SIDE VIEW



SECTION



SLOPE 100/100

CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF CHANNEL	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	WEIGHT Kg	DRAINAGE SURFACE cm ²	CAPACITY	PREINSTALLED DRAIN mm	
709023		galvanised steel DX51D ³	PE-HD	1000 x 158 x 156	1000 x 100 x 100	4,50	89,56	8,95	side bottom	2 x Ø 63 1 x Ø 110
709009		stainless steel AISI 304 ²								

2- Classification according to American Standard ASTM.

3- Classification according to Standard EN 10142 (2002) and symbolic designation according to EN 10027-1 (-2) (2006).

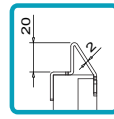
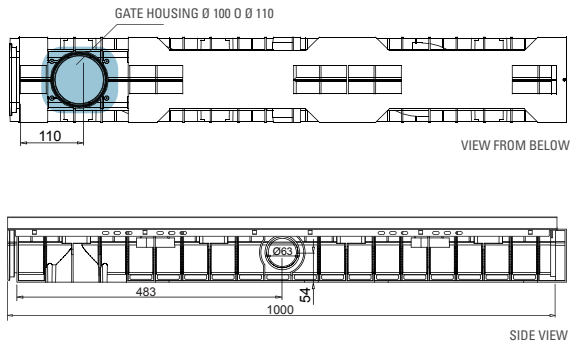
N.B. Waterproofing: in order to ensure the channels are waterproof, a bituminous adhesive sealant should be used. Heat-sealing the channel joints makes sure there will be no leakages through said joints for a very long time. For further information please contact MufleSystem's Technical Department.

N.B. Sizes and weights are subject to usual manufacturing tolerance values.

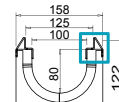


CHANNELS

**SLOPE
100**



DETAIL SECTION

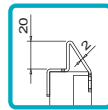
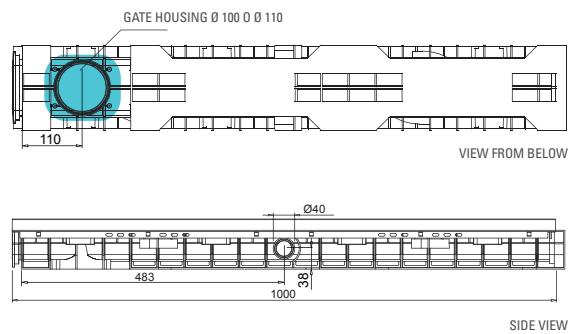


SECTION

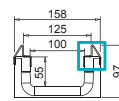


SLOPE 100/80

CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF CHANNEL	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	WEIGHT Kg	DRAINAGE SURFACE cm ²	CAPACITY	PREINSTALLED DRAIN mm
709025		galvanised steel DX51D ³	PE-HD	1000 x 158 x 122	1000 x 100 x 80	4,20	69,28	6,92	side 2 x Ø 63 bottom ¹ 1 x Ø 100; 1 x Ø 110
709011		stainless steel AISI 304 ²							



DETAIL SECTION



SECTION



SLOPE 100/55

CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF CHANNEL	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	WEIGHT Kg	DRAINAGE SURFACE cm ²	CAPACITY	PREINSTALLED DRAIN mm
709024		galvanised steel DX51D ³	PE-HD	1000 x 158 x 97	1000 x 100 x 55	4,00	54,44	5,44	side 2 x Ø 40 bottom ¹ 1 x Ø 100; 1 x Ø 110
709010		stainless steel AISI 304 ²							

1- For drainage purposes use the drain gate with outlet kit (available in two versions Ø100 and Ø110).

2- Classification according to American Standard ASTM.

3- Classification according to Standard EN 10142 (2002) and symbolic designation according to EN 10027-1 (-2) (2006).

N.B. Waterproofing: in order to ensure the channels are waterproof, a bituminous adhesive sealant should be used. Heat-sealing the channel joints makes sure there will be no leakages through said joints for a very long time. For further information please contact MufleSystem's Technical Department.

N.B. Sizes and weights are subject to usual manufacturing tolerance values.



GRATINGS



**SLOPE
100**

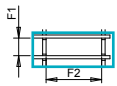
APPLICATIONS OF GALVANISED STEEL

- Kerbs
- Historical town centres (slow traffic)
- Parking areas
- Parking decks

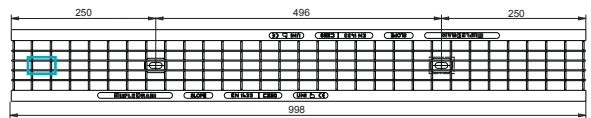
**AVAILABLE
STARTING FROM
JANUARY 2012**

APPLICATIONS OF STAINLESS STEEL

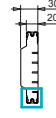
- Kerbs
- Historical town centres (slow traffic)
- Parking areas
- Parking decks
- Areas with low-load transit in food factories
- Areas with low-load transit in chemically aggressive environments



DETAIL OF
HOOKING
SYSTEM



VIEW FROM ABOVE



SIDE
VIEW




DETAIL OF
UPRIGHT BEND



ANTI-HELL MESH GRATING



CODE	PRICE €	MATERIAL	DIMENSIONS L x l x h mm	WEIGHT kg	DRAINAGE SURFACE dm ²	OPENINGS F1 x F2 mm	FIXING SYSTEM	
							tie-tod	no fixing
509200		hot dip galvanised steel DD11 (1.0332) ⁵	998 x 125 x 20	3,50	6,9	15,2 x 30,5		up to Class C250 as per Standard EN 1433
509206		pickled stainless steel AISI 304 ²						
509212		hot dip galvanised steel DD11 (1.0332) ⁵	498 x 125 x 20	1,75	3,45			
509215		pickled stainless steel AISI 304 ²						

2- Classification according to American Standard ASTM.

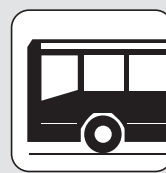
6- Classification according to Standard EN 1563 (2009).

5- Classification according to Standard EN 10111 (2008) and symbolic designation according to EN 10027-1 (-2) (2006).

N.B. Sizes and weights are subject to usual manufacturing tolerance values.



GRATINGS



C 250

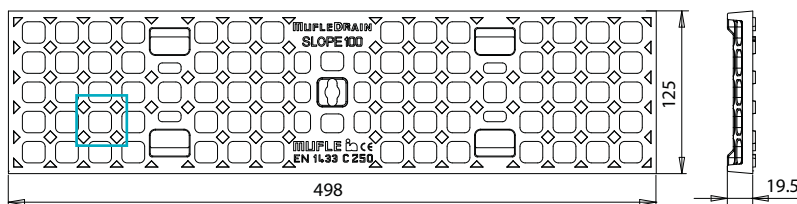
SLOPE 100

APPLICATIONS OF DUCTILE IRON

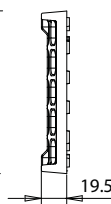
- Kerbs
- Historical town centres (slow traffic)
- Parking areas
- Parking decks



SLOT
DETAIL



VIEW FROM ABOVE

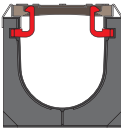


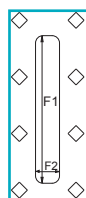
SIDE
VIEW



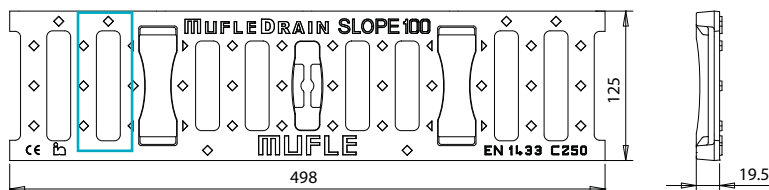
SQUARE MESH GRATING



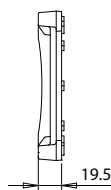
CODE	PRICE €	MATERIAL	DIMENSIONS L x l x h mm	WEIGHT Kg	SECTION DRAINAGE cm ²	OPENINGS F1 x F2 mm	FIXING SYSTEM
509109		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 125 x 19,5	3,40	2,60	16,5 x 17,5	hook lock 



SLOT
DETAIL



VIEW FROM ABOVE

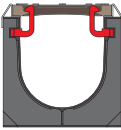


SIDE
VIEW



SLOTTED GRATING 20 mm



CODE	PRICE €	MATERIAL	DIMENSIONS L x l x h mm	WEIGHT Kg	SECTION DRAINAGE cm ²	OPENINGS F1 x F2 mm	FIXING SYSTEM
509100		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 125 x 19,5	2,80	2,10	93 x 21	hook lock 

2- Classification according to American Standard ASTM.

6- Classification according to Standard EN 1563 (2009).

5- Classification according to Standard EN 10111 (2008) and symbolic designation according to EN 10027-1 (-2) (2006).

N.B. Sizes and weights are subject to usual manufacturing tolerance values.



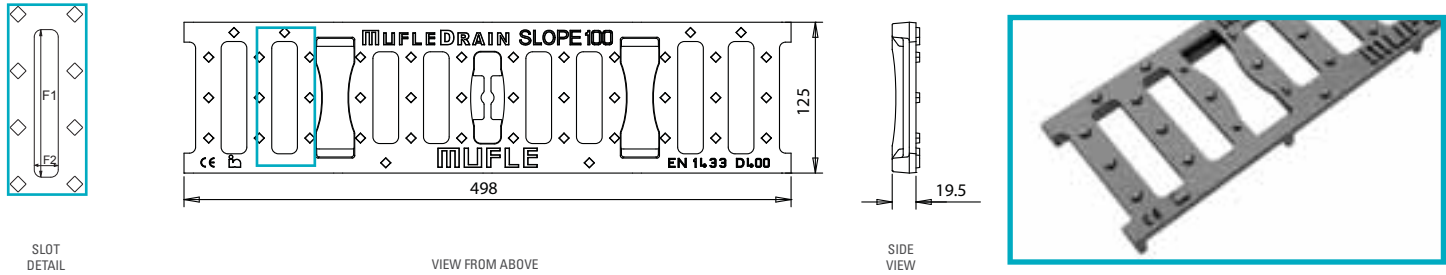
GRATINGS

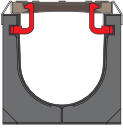


**SLOPE
100**

APPLICATIONS OF DUCTILE IRON

- Road carriageways (not transversal)
- Hard shoulders
- Lay-bys with thick and heavy-goods traffic
- Petrol stations



SLOTTED GRATING 20 mm							
CODE	PRICE	MATERIAL	DIMENSIONS L x l x h	WEIGHT	SECTION DRAINAGE	OPENINGS F1 x F2	FIXING SYSTEM
	€		mm	Kg	cm ²	mm	hook lock
509103		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 125 x 19,5	3,00	2,10	93 x 21	

6- Classification according to Standard EN 1563 (2009).
N.B. Sizes and weights are subject to usual manufacturing tolerance values.



GRATINGS



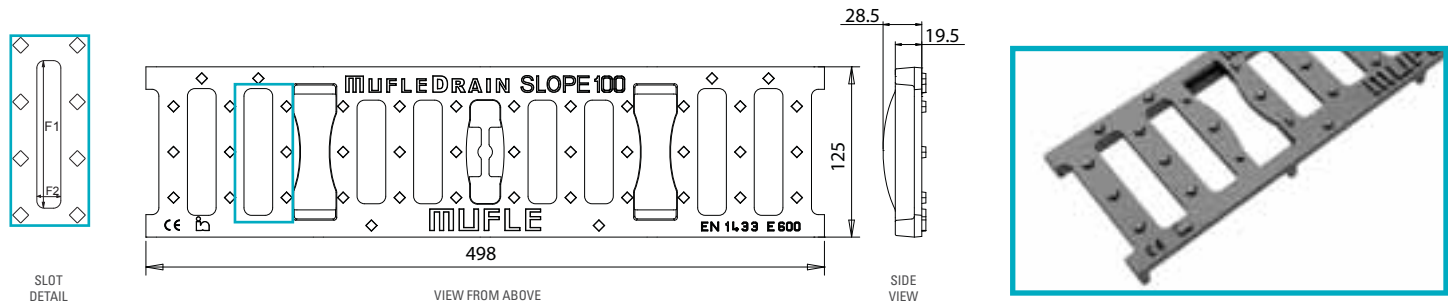
**SLOPE
100**

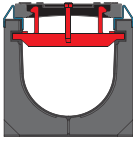
APPLICATIONS OF DUCTILE IRON

Transversal canalisation systems in carriageways of roads with thick and heavy-goods traffic

Industrial areas with passage of forklift trucks (high axle loads)

Underpasses



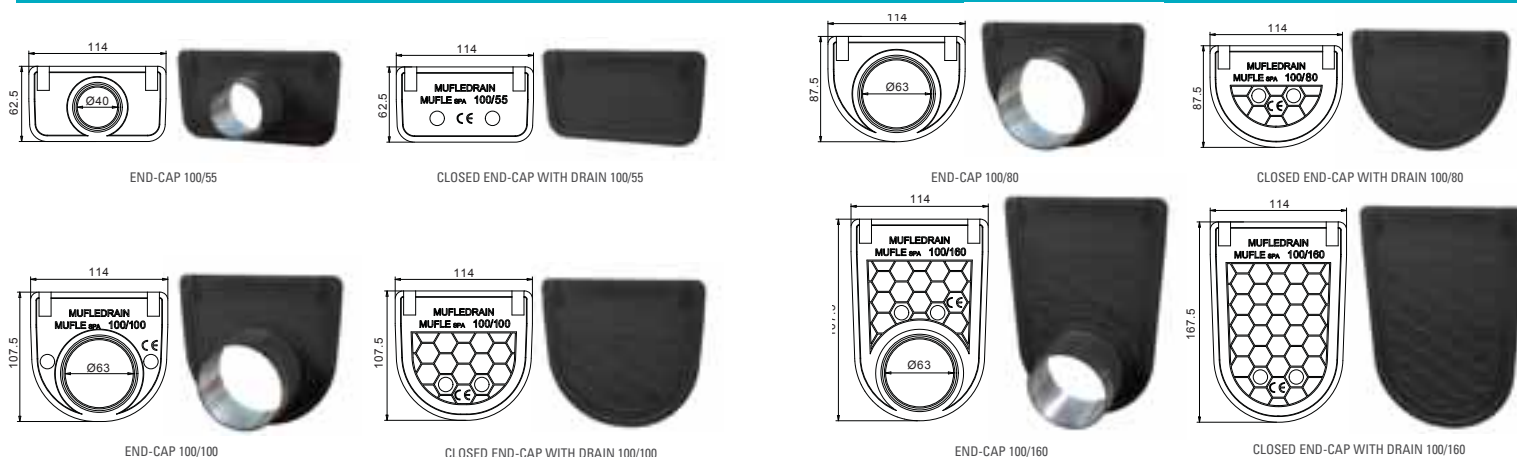
SLOTTED GRATING 20 mm							
CODE	PRICE	MATERIAL	DIMENSIONS L x l x h	WEIGHT	SECTION DRAINAGE	OPENINGS F1 x F2	FIXING SYSTEM
	€		mm	Kg	cm ²	mm	hook lock + tie-tod
509106		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 125 x 19,5	3,30	2,10	93 x 20	

6- Classification according to Standard EN 1563 (2009).
N.B. Sizes and weights are subject to usual manufacturing tolerance values.



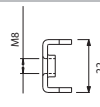
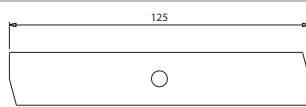
ACCESSORIES

**SLOPE
100**



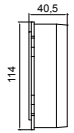
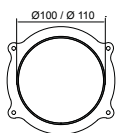
END CAPS

CODE	PRICE	TYPE	MATERIAL	VALID FOR CHANNELS	PREINSTALLED DRAIN
€					
700500		end-cap with drain	PE-HD	100/55	1 x Ø 40
700508		closed end-cap	PE-HD	100/55	-
700501		end-cap with drain	PE-HD	100/80	1 x Ø 63
700509		closed end-cap	PE-HD	100/80	-
700502		end-cap with drain	PE-HD	100/100	1 x Ø 63
700510		closed end-cap	PE-HD	100/100	-
700503		end-cap with drain	PE-HD	100/160	1 x Ø 63
700511		closed end-cap	PE-HD	100/160	-



KIT TIE-ROD + SCREWS

CODE	PRICE	MATERIAL	VALID FOR GRATINGS	SCREW	KIT FOR 1ml
€					
500421		galvanised steel	SLOPE galvanised steel	M8 x 55 TBL combi	2 tie-rods + 2 screws
500422		stainless steel	SLOPE stainless steel	M8 x 55 TBL combi stainless steel	2 tie-rods + 2 screws
500423		black galvanised steel	SLOPE ductile iron	M8 x 55 black with hexagonal head	2 tie-rods + 2 screws



KIT OUTLET + SCREWS

CODE	PRICE	MATERIAL	VALID FOR CHANNELS	DIAMETER	KIT FOR 1 ml
€					
mm					
506114		PE-HD	100/55 - 100/80	Ø 100	1 outlet Ø 100 + 4 screws
506115		PE-HD	100/55 - 100/80	Ø 110	1 outlet Ø 110 + 4 screws

KIT 8 CLAMPS FOR ANCHORING

CODE	PRICE	MATERIAL	KIT FOR 1 ml
€			
509300		galvanised steel	Kit 8 clamps for anchoring g/s

CONNECTOR FOR STEP-SLOPE

CODE	PRICE	VALID FOR CHANNELS	FAMILIES
€			
700526		from 100/100 to 100/160	EASY - VIP - SMART - SLOPE - WING - PLUS

Utilising Mufle's distinctive step connector system, it is possible to connect drainage channels of differing heights to create greater efficiencies in hydraulic velocity and channel capacity. These efficiencies create benefits in increased drainage performance, outlet number reduction for longer continuous drainage runs, increased self cleansing ability and lower installation costs. Stepped channel are typically recognised by structured increases in neutral channel depths towards a nominated outlet along a specific drainage channel run/length.



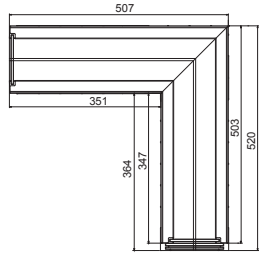
N.B. Sizes and weights are subject to usual manufacturing tolerance values.



SPECIAL PIECES AND DRAIN BOX WITH SYPHON

**SLOPE
100**

LEFT CORNER



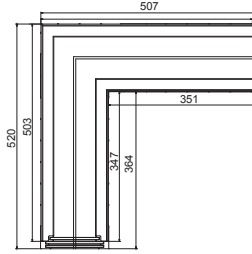
SLOPE 100

CODE PRICE MODEL

€

709100		100/160
709101		100/100
709102		100/80
709103		100/55

RIGHT CORNER



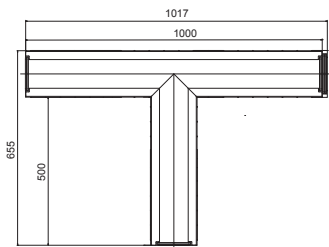
SLOPE 100

CODE PRICE MODEL

€

709108		100/160
709109		100/100
709110		100/80
709111		100/55

LEFT TI



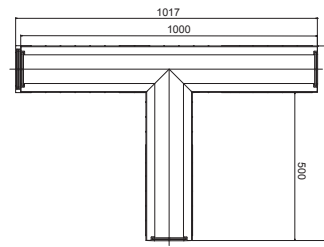
SLOPE 100

CODE PRICE MODEL

€

709116		100/160
709117		100/100
709118		100/80
709119		100/55

RIGHT TI



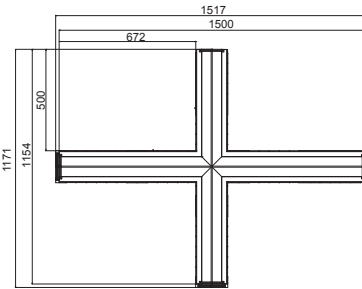
SLOPE 100

CODE PRICE MODEL

€

709124		100/160
709125		100/100
709126		100/80
709127		100/55

CROSS



SLOPE 100

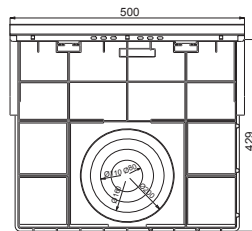
CODE PRICE MODEL

€

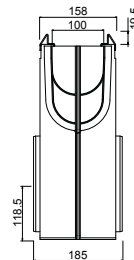
709132		100/160
709133		100/100
709134		100/80
709135		100/55

Special pieces, corners, Ti, crosses in stainless steel are available upon request. For further information please contact our Technical Department.

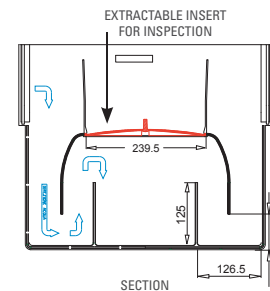
DRAIN BOX WITH SYPHON



FRONT VIEW



SIDE VIEW



SECTION

SLOPE 100

CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF OUTLET	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	MAXIMUM LARGE mm	HEIGHT OF OUTLETS mm	WEIGHT Kg	PREINSTALLED DRAIN mm
709030		galvanised steel DX51D ³	PE-HD	500 x 158 x 429	500 x 100 x 400	185	118,5	3,90	2 x Ø 80; 2 x Ø 110; 2 x Ø 160; 2 x Ø 200
709017		stainless steel AISI 304 ²	PE-HD	500 x 158 x 429	500 x 100 x 400	185	118,5	3,90	2 x Ø 80; 2 x Ø 110; 2 x Ø 160; 2 x Ø 200

- The drain box SMART and SLOPE are not prearranged to be connected to the correspondent channels SMART and SLOPE 200/250.

2- Classification according to American Standard ASTM.

3- Classification according to Standard EN 10142 (2002) and symbolic designation according to EN 10027-1 (-2) (2006).

N.B. Waterproofing: in order to ensure the channels are waterproof, a bituminous adhesive sealant should be used. Heat-sealing the channel joints makes sure there will be no leakages through said joints for a very long time. For further information please contact MufleSystem's Technical Department.

N.B. Sizes and weights are subject to usual manufacturing tolerance values.

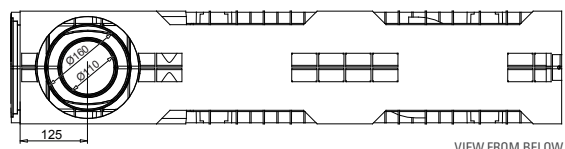


150

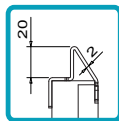


CHANNELS

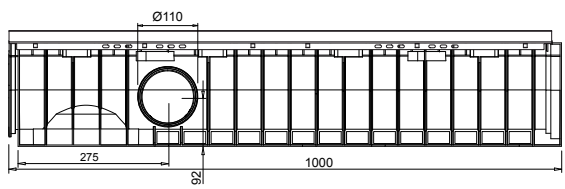
**SLOPE
150**



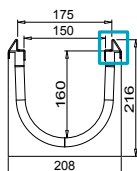
VIEW FROM BELOW



DETAIL SECTION



SIDE VIEW

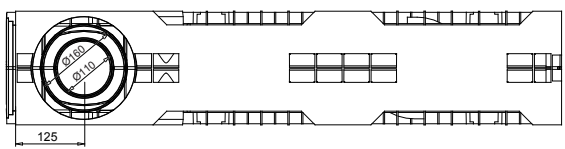


SECTION

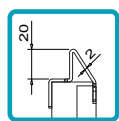


SLOPE 150/160

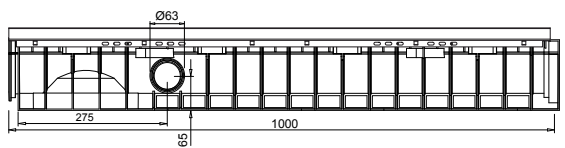
CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF CHANNEL	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	WEIGHT Kg	DRAINAGE SURFACE cm ²	CAPACITY	PREINSTALLED DRAIN mm
709026		galvanised steel DX51D ³	PE-HD	1000 x 208 x 216	1000 x 150 x 160	5,45	213,04	21,30	side 2 x Ø 110 bottom 1 x Ø 110; 1 x Ø 160
709012		stainless steel AISI 304 ²							



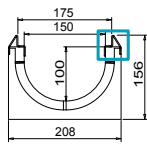
VIEW FROM BELOW



DETAIL SECTION



SIDE VIEW



SECTION



SLOPE 150/100

CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF CHANNEL	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	WEIGHT Kg	DRAINAGE SURFACE cm ²	CAPACITY	PREINSTALLED DRAIN mm
709027		galvanised steel DX51D ³	PE-HD	1000 x 208 x 156	1000 x 150 x 100	4,90	127,32	12,73	side 2 x Ø 63 bottom 1 x Ø 110; 1 x Ø 160
709013		stainless steel AISI 304 ²							

2- Classification according to American Standard ASTM.

3- Classification according to Standard EN 10142 (2002) and symbolic designation according to EN 10027-1 (-2) (2006).

N.B. Waterproofing: in order to ensure the channels are waterproof, a bituminous adhesive sealant should be used. Heat-sealing the channel joints makes sure there will be no leakages through said joints for a very long time. For further information please contact MufleSystem's Technical Department.

N.B. Sizes and weights are subject to usual manufacturing tolerance values.



GRATINGS



**SLOPE
150**

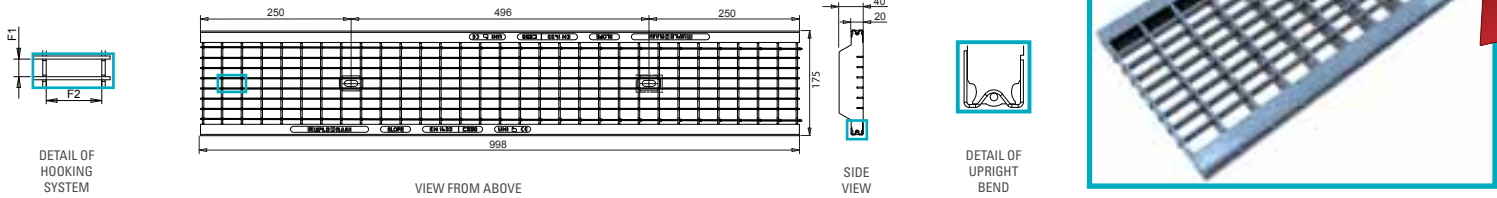
APPLICATIONS OF GALVANISED STEEL

- Kerbs
- Historical town centres (slow traffic)
- Parking areas
- Parking decks

AVAILABLE
STARTING FROM
JANUARY 2012

APPLICATIONS OF STAINLESS STEEL

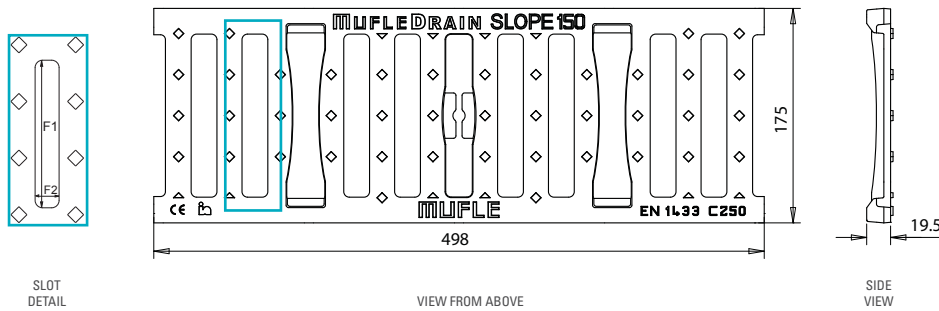
- Kerbs
- Historical town centres (slow traffic)
- Parking areas
- Parking decks
- Areas with low-load transit in food factories
- Areas with low-load transit in chemically aggressive environments



ANTI-HELL MESH GRATING								40 mm	
CODE	PRICE	MATERIAL	DIMENSIONS L x l x h	WEIGHT	SECTION DRAINAGE	OPENINGS F1 x F2	FIXING SYSTEM		
	€		mm	Kg	cm ²	mm	tie-tod	no fixing	
509202		hot dip galvanised steel DD11 (1.0332) ⁵	998 x 175 x 20	5,50	11,10	15,2 x 30,5		up to Class C250 as per Standard EN 1433	
509208		pickled stainless steel AISI 304 ²							
509213		hot dip galvanised steel DD11 (1.0332) ⁵	498 x 175 x 20	2,75	6,54				
509216		pickled stainless steel AISI 304 ²							

APPLICATIONS OF DUCTILE IRON

- Kerbs
- Historical town centres (slow traffic)
- Parking areas
- Parking decks



SLOTTED GRATING 20 mm							19,5 mm	
CODE	PRICE	MATERIAL	DIMENSIONS L x l x h	WEIGHT	SECTION DRAINAGE	OPENINGS F1 x F2	FIXING SYSTEM	
	€		mm	Kg	cm ²	mm	hook lock	
509101		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 175 x 19,5	3,90	3,90	133 x 21		

2- Classification according to American Standard ASTM.
 6- Classification according to Standard EN 1563 (2009).
 5- Classification according to Standard EN 10111 (2008) and symbolic designation according to EN 10027-1 (-2) (2006).
 N.B. Sizes and weights are subject to usual manufacturing tolerance values.



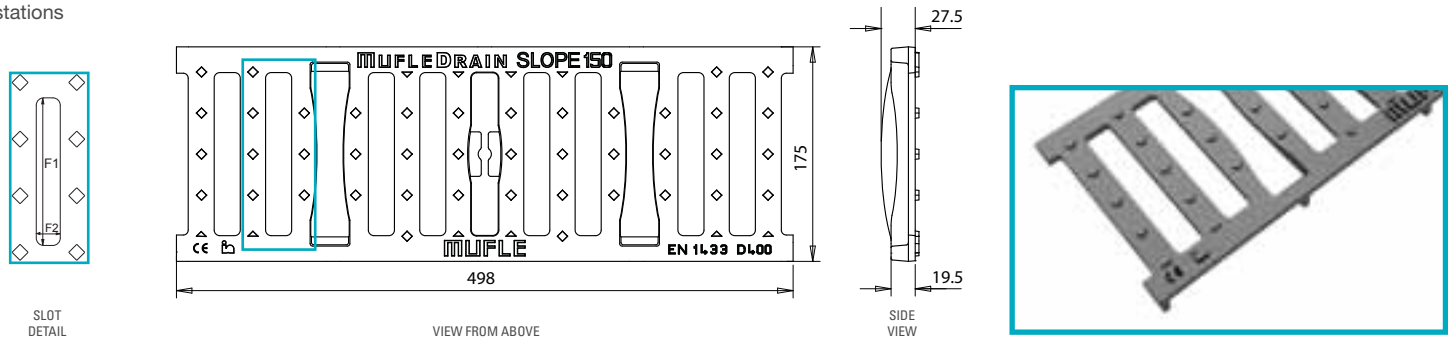
GRATINGS



**SLOPE
150**

APPLICATIONS OF DUCTILE IRON

- Road carriageways (not transversal)
- Hard shoulders
- Lay-bys with thick and heavy-goods traffic
- Petrol stations



SLOTTED GRATING 20 mm



CODE	PRICE €	MATERIAL	DIMENSIONS L x l x h mm	WEIGHT Kg	SECTION DRAINAGE cm ²	OPENINGS F1 x F2 mm	FIXING SYSTEM hook lock
509104		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 175 x 19,5	4,50	3,50	133 x 21	

6- Classification according to Standard EN 1563 (2009).
N.B. Sizes and weights are subject to usual manufacturing tolerance values.



GRATINGS



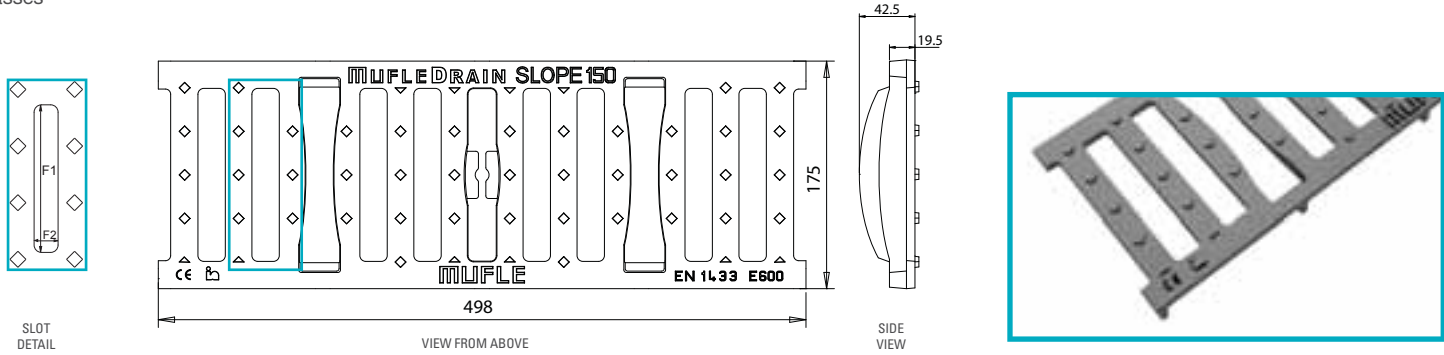
**SLOPE
150**

APPLICATIONS OF DUCTILE IRON

Transversal canalisation systems in carriageways of roads with thick and heavy-goods traffic

Industrial areas with passage of forklift trucks (high axle loads)

Underpasses



SLOTTED GRATING 20 mm



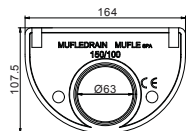
CODE	PRICE €	MATERIAL	DIMENSIONS L x l x h mm	WEIGHT Kg	SECTION DRAINAGE cm ²	OPENINGS F1 x F2 mm	FIXING SYSTEM hook lock + tie-tod
509107		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 175 x 19,5	6,00	3,29	132 x 20	

6- Classification according to Standard EN 1563 (2009).
N.B. Sizes and weights are subject to usual manufacturing tolerance values.

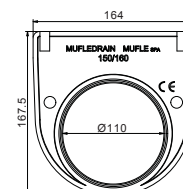


ACCESSORIES

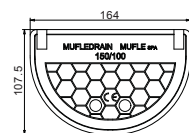
SLOPE 150



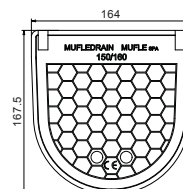
END-CAP 150/100



END-CAP 150/160



CLOSED END-CAP WITH DRAIN 150/100

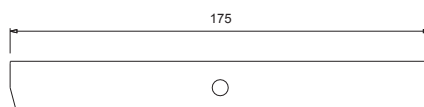


CLOSED END-CAP WITH DRAIN 150/160



END CAPS

CODE	PRICE	TYPE	MATERIAL	VALID FOR CHANNELS	PREINSTALLED DRAIN
€					
700504		end-cap with drain		150/100	1 x Ø 63
700512		closed end-cap		150/100	-
700505		end-cap with drain		150/160	1 x Ø 110
700513		closed end-cap		150/160	-



VIEW FROM ABOVE



SIDE VIEW



KIT TIE-ROD + SCREWS

CODE	PRICE	MATERIAL	VALID FOR GRATINGS	SCREW	KIT FOR 1ml
€					
500424		galvanised steel	SMART galvanised steel	M8 x 55 TBL combi	2 tie-rods + 2 screws
500425		stainless steel	SMART stainless steel	M8 x 55 TBL combi	2 tie-rods + 2 screws
500426		black galvanised steel	SMART ductile iron	M8 x 55 black with hexagonal head	2 tie-rods + 2 screws

KIT CLAMPS FOR ANCHORING

CODE	PRICE	MATERIAL	KIT FOR 1 ml
€			
509300		galvanised steel	Kit 8 clamps for anchoring g/s



CONNECTOR FOR STEP-SLOPE

CODE	PRICE	VALID FOR CHANNELS	FAMILIES
€			
700517		from 150/100 to 150/160	EASY - VIP - SMART - SLOPE - WING - PLUS

Utilising Mufle's distinctive step connector system, it is possible to connect drainage channels of differing heights to create greater efficiencies in hydraulic velocity and channel capacity. These efficiencies create benefits in increased drainage performance, outlet number reduction for longer continuous drainage runs, increased self cleansing ability and lower installation costs. Stepped channel are typically recognised by structured increases in neutral channel depths towards a nominated outlet along a specific drainage channel run/length.



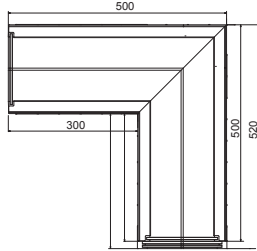
N.B. Sizes and weights are subject to usual manufacturing tolerance values.



SPECIAL PIECES AND DRAIN BOX WITH SYPHON

**SLOPE
150**

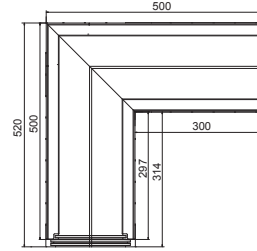
LEFT CORNER



SLOPE 150

CODE	PRICE €	MODEL
709104		150/160
709105		150/100

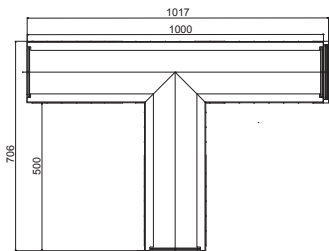
RIGHT CORNER



SLOPE 150

CODE	PRICE €	MODEL
709112		150/160
709113		150/100

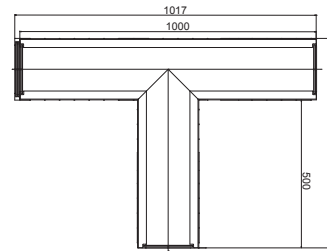
LEFT TI



SLOPE 150

CODE	PRICE €	MODEL
709120		150/160
709121		150/100

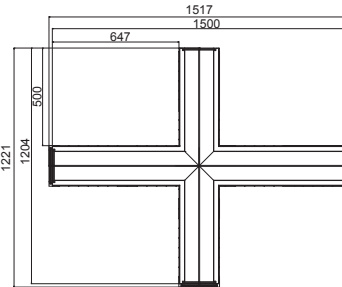
RIGHT TI



SLOPE 150

CODE	PRICE €	MODEL
709128		150/160
709129		150/100

CROSS

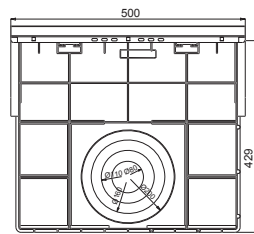


SLOPE 150

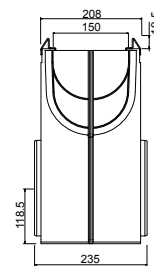
CODE	PRICE €	MODEL
709136		150/160
709137		150/100

Special pieces, corners, Ti, crosses in stainless steel are available upon request. For further information please contact our Technical Department.

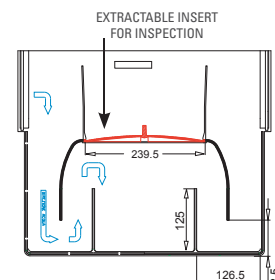
DRAIN BOX WITH SYPHON



FRONT VIEW



SIDE VIEW



SECTION

SLOPE 150

CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF OUTLET	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	MAXIMUM LARGE mm	HEIGHT OF OUTLETS mm	WEIGHT Kg	PREINSTALLED DRAIN mm
709031		galvanised steel DX51D ³	PE-HD	500 x 208 x 429	500 x 100 x 400	185	118,5	4,20	2 x Ø 80; 2 x Ø 110; 2 x Ø 160; 2 x Ø 200
709019		stainless steel AISI 304 ²	PE-HD	500 x 208 x 429	500 x 100 x 400	185	118,5	4,20	2 x Ø 80; 2 x Ø 110; 2 x Ø 160; 2 x Ø 200

- The drain box SMART and SLOPE are not prearranged to be connected to the correspondent channels SMART and SLOPE 200/250.
2- Classification according to American Standard ASTM.
3- Classification according to Standard EN 10142 (2002) and symbolic designation according to EN 10027-1 (-2) (2006).
N.B. Sizes and weights are subject to usual manufacturing tolerance values.

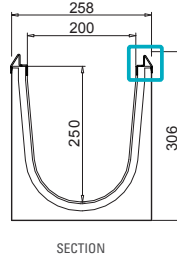
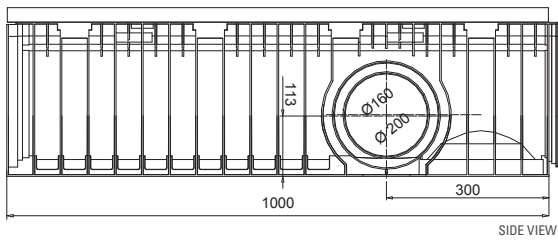
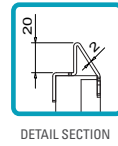
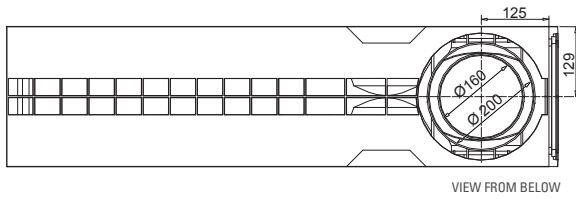


mm



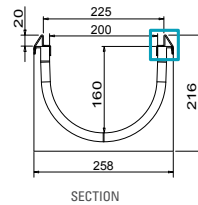
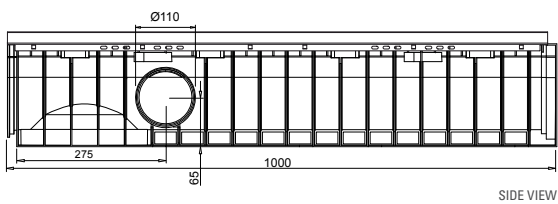
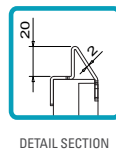
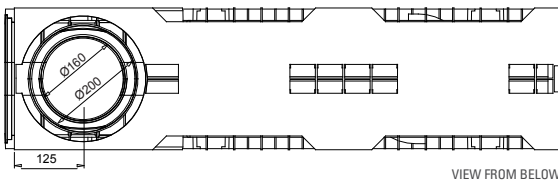
CHANNELS

**SLOPE
200**



SLOPE 200/250

CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF CHANNEL	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	WEIGHT Kg	DRAINAGE SURFACE cm ²	CAPACITY	PREINSTALLED DRAIN mm
709033		galvanised steel DX51D ³	PE-HD	1000 x 258 x 306	1000 x 200 x 250	7,30	430,00	43,00	side 2 x Ø 160; 2 x Ø 200 bottom 1 x Ø 160; 1 x Ø 200
709034		stainless steel AISI 304 ²							



SLOPE 200/160

CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF CHANNEL	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	WEIGHT Kg	DRAINAGE SURFACE cm ²	CAPACITY	PREINSTALLED DRAIN mm
709028		galvanised steel DX51D ³	PE-HD	1000 x 258 x 216	1000 x 200 x 160	5,85	275,87	27,58	side 2 x Ø 110 bottom 1 x Ø 160; 1 x Ø 200
709014		stainless steel AISI 304 ²							

2- Classification according to American Standard ASTM.

3- Classification according to Standard EN 10142 (2002) and symbolic designation according to EN 10027-1 (-2) (2006).

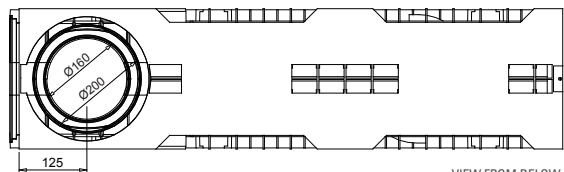
N.B. Waterproofing: in order to ensure the channels are waterproof, a bituminous adhesive sealant should be used. Heat-sealing the channel joints makes sure there will be no leakages through said joints for a very long time. For further information please contact MufleSystem's Technical Department.

N.B. Sizes and weights are subject to usual manufacturing tolerance values.

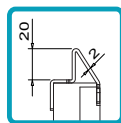


CHANNELS

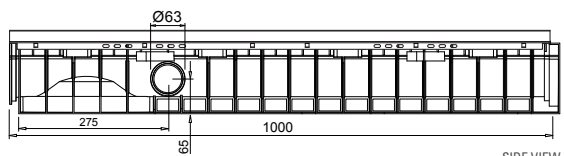
**SLOPE
200**



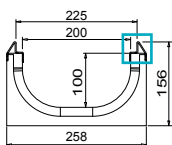
VIEW FROM BELOW



DETAIL SECTION



SIDE VIEW



SECTION



SLOPE 200/100

CODE	PRICE	MATERIAL OF FRAME	MATERIAL OF CHANNEL	EXTERNAL DIMENSIONS	INTERNAL DIMENSIONS	WEIGHT	DRAINAGE SURFACE	CAPACITY	PREINSTALLED DRAIN
	€			L x l x h mm	L x l x h mm	Kg	cm ²		mm
709029		galvanised steel DX51D ³	PE-HD	1000 x 258 x 156	1000 x 150 x 100	5,25	178,73	17,87	side 2 x Ø 63 bottom 1 x Ø 160; 1 x Ø 200
709015		stainless steel AISI 304 ²							

2- Classification according to American Standard ASTM.

3- Classification according to Standard EN 10142 (2002) and symbolic designation according to EN 10027-1 (-2) (2006).

N.B. Waterproofing: in order to ensure the channels are waterproof, a bituminous adhesive sealant should be used. Heat-sealing the channel joints makes sure there will be no leakages through said joints for a very long time. For further information please contact MufleSystem's Technical Department.

N.B. Sizes and weights are subject to usual manufacturing tolerance values.



GRATINGS



**SLOPE
200**

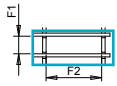
APPLICATIONS OF GALVANISED STEEL

Kerbs
Historical town centres (slow traffic)
Parking areas
Parking decks

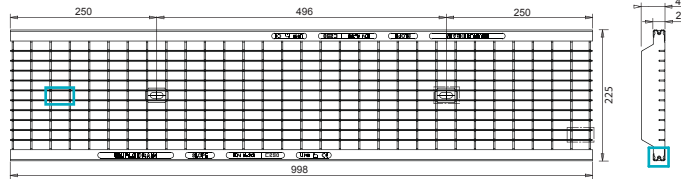
**AVAILABLE
STARTING FROM
JANUARY 2012**

APPLICATIONS OF STAINLESS STEEL

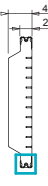
Kerbs
Historical town centres (slow traffic)
Parking areas
Parking decks
Areas with low-load transit in food factories
Areas with low-load transit in chemically aggressive environments



DETAIL OF
HOOKING
SYSTEM



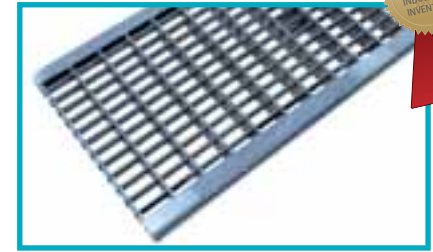
VIEW FROM ABOVE



SIDE
VIEW



DETAIL OF
UPRIGHT BEND



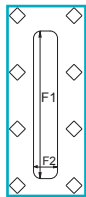
ANTI-HELL MESH GRATING



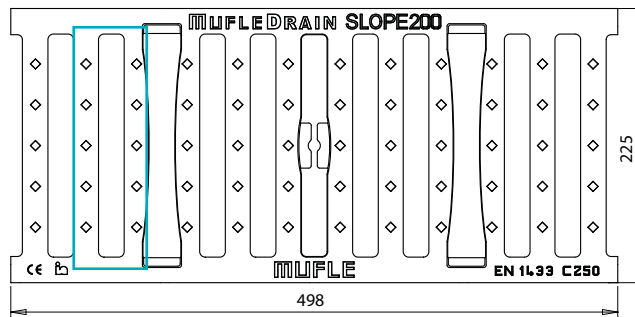
CODE	PRICE €	MATERIAL	DIMENSIONS L x l x h mm	WEIGHT Kg	SECTION DRAINAGE cm ²	OPENINGS F1 x F2 mm	FIXING SYSTEM	
							tie-tod	no fixing
509204		hot dip galvanised steel DD11 (1.0332) ⁵	998 x 225 x 20	7,00	15,30	15,2 x 30,5		up to Class C250 as per Standard EN 1433
509210		pickled stainless steel AISI 304 ²						
509214		hot dip galvanised steel DD11 (1.0332) ⁵	498 x 225 x 20	3,50	7,65			
509217		pickled stainless steel AISI 304 ²						

APPLICATIONS OF DUCTILE IRON

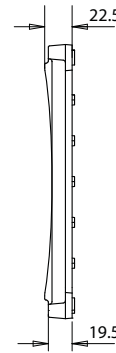
Kerbs
Historical town centres (slow traffic)
Parking areas
Parking decks



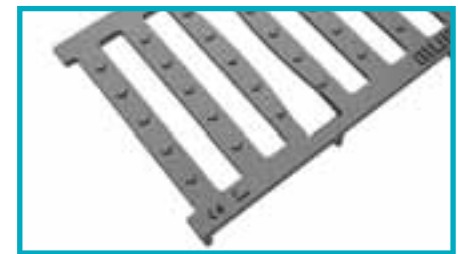
SLOT
DETAIL



VIEW FROM ABOVE



SIDE
VIEW



SLOTTED GRATING 20 mm



CODE	PRICE €	MATERIAL	DIMENSIONS L x l x h mm	WEIGHT Kg	SECTION DRAINAGE cm ²	OPENINGS F1 x F2 mm	FIXING SYSTEM
							hook lock
509102		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 225 x 19,5	5,00	4,00	183 x 21	

2- Classification according to American Standard ASTM.

6- Classification according to Standard EN 1563 (2009).

5- Classification according to Standard EN 10111 (2008) and symbolic designation according to EN 10027-1 (-2) (2006).

N.B. Sizes and weights are subject to usual manufacturing tolerance values.



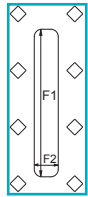
GRATINGS



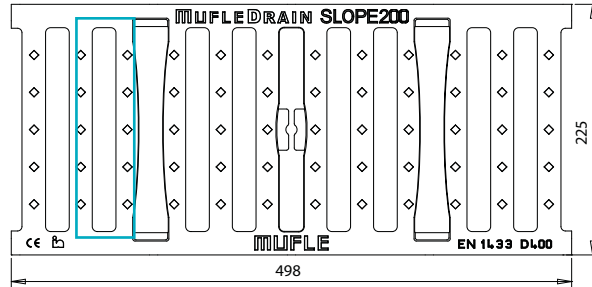
**SLOPE
200**

APPLICATIONS OF DUCTILE IRON

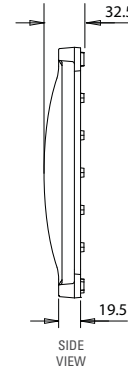
- Road carriageways (not transversal)
- Hard shoulders
- Lay-bys with thick and heavy-goods traffic
- Petrol stations



SLOT
DETAIL



VIEW FROM ABOVE



SIDE
VIEW



SLOTTED GRATING 20 mm



CODE	PRICE €	MATERIAL	DIMENSIONS L x l x h mm	WEIGHT Kg	SECTION DRAINAGE cm ²	OPENINGS F1 x F2 mm	FIXING SYSTEM hook lock
509105		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 225 x 19,5	5,50	4,50	183 x 21	

6- Classification according to Standard EN 1563 (2009).
N.B. Sizes and weights are subject to usual manufacturing tolerance values.



GRATINGS



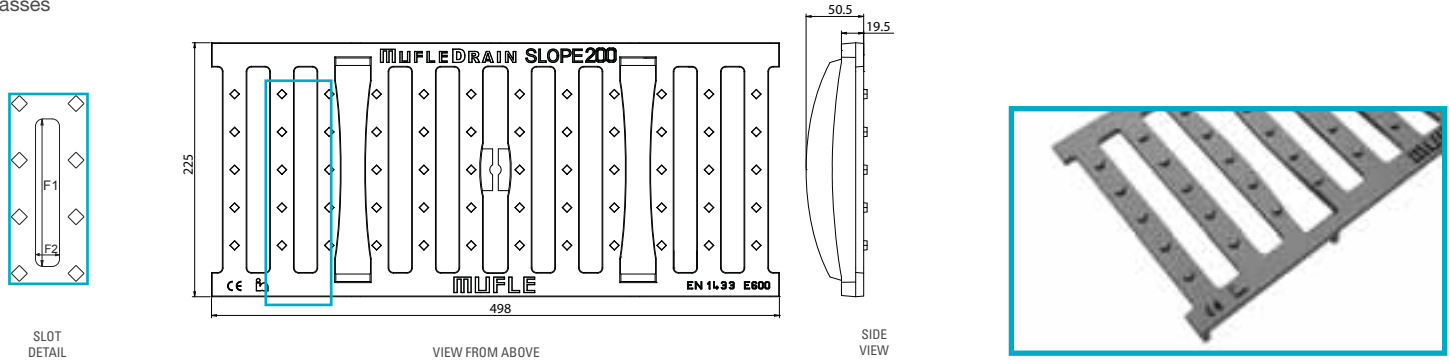
**SLOPE
200**


APPLICATIONS OF DUCTILE IRON

Transversal canalisation systems in carriageways of roads with thick and heavy-goods traffic

Industrial areas with passage of forklift trucks (high axle loads)

Underpasses



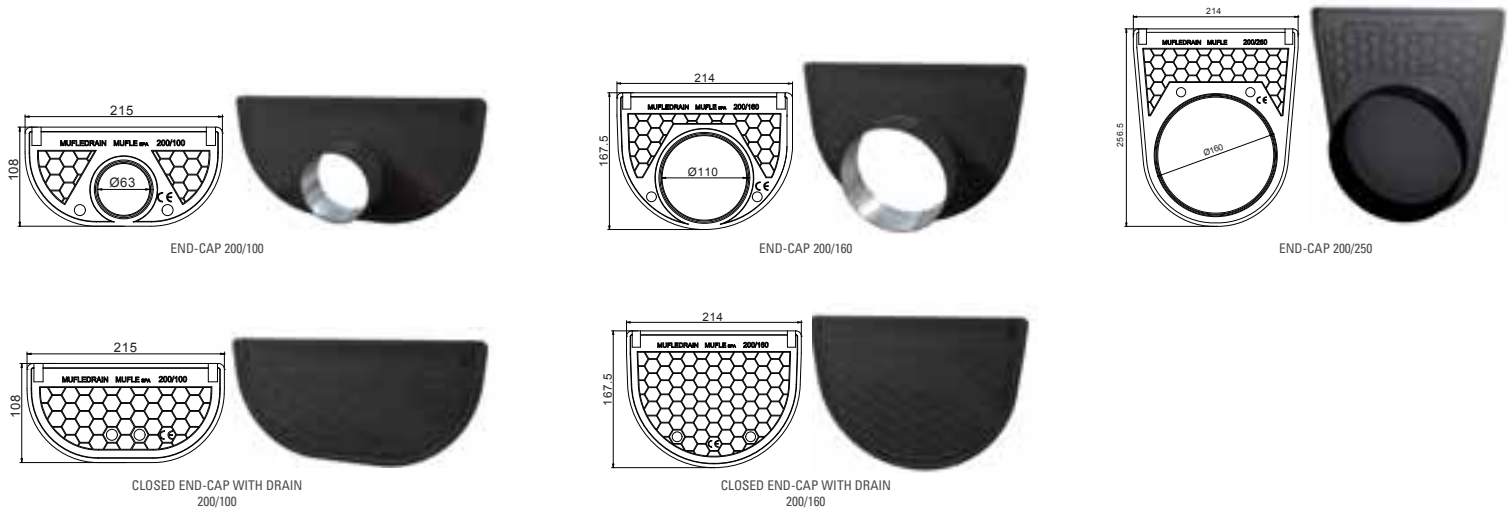
SLOTTED GRATING 20 mm							
CODE	PRICE	MATERIAL	DIMENSIONS L x l x h	WEIGHT	SECTION DRAINAGE	OPENINGS F1 x F2	FIXING SYSTEM
	€		mm	Kg	cm ²	mm	hook lock + tie-tod
509108		GJS 500/7 ⁶ ductile iron water based paint coated	498 x 225 x 19,5	7,80	4,50	182 x 20	

6- Classification according to Standard EN 1563 (2009).
N.B. Sizes and weights are subject to usual manufacturing tolerance values.

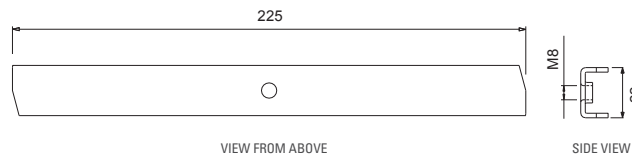


ACCESSORIES

**SLOPE
200**



END CAPS					
CODE	PRICE	MATERIAL	VALID FOR GRATINGS	SCREW	KIT FOR 1ml
€					
700506		end-cap with drain	PE-HD	200/100	1 x Ø 63
700514		closed end-cap	PE-HD	200/100	-
700507		end-cap with drain	PE-HD	200/160	1 x Ø 110
700515		closed end-cap	PE-HD	200/160	-
502416		closed end cap with preformed outlet	PE-HD	200/250	1 x Ø 160



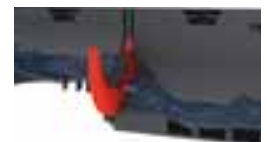
KIT TIE-ROD + SCREWS					
CODE	PRICE	MATERIAL	VALID FOR GRATINGS	SCREW	KIT FOR 1ml
€					
500427		galvanised steel	SMART galvanised steel	M8 x 55 TBL combi	2 tie-rods + 2 screws
500428		stainless steel	SMART stainless steel	M8 x 55 TBL combi	2 tie-rods + 2 screws
500429		black galvanised steel	SMART ductile iron	M8 x 55 black with hexagonal head	2 tie-rods + 2 screws

KIT CLAMPS FOR ANCHORING			
CODE	PRICE	MATERIAL	KIT FOR 1 ml
€			
509300		galvanised steel	Kit 8 clamps for anchoring g/s



CONNECTOR FOR STEP-SLOPE			
CODE	PRICE	VALID FOR CHANNELS	FAMILIES
€			
700518		from 200/160 to 200/250	VIP - SLOPE - WING
700519		from 200/100 to 200/160	EASY - VIP - SMART - SLOPE - WING - PLUS

Utilising Mufle's distinctive step connector system, it is possible to connect drainage channels of differing heights to create greater efficiencies in hydraulic velocity and channel capacity. These efficiencies create benefits in increased drainage performance, outlet number reduction for longer continuous drainage runs, increased self cleansing ability and lower installation costs. Stepped channel are typically recognised by structured increases in neutral channel depths towards a nominated outlet along a specific drainage channel run/length.



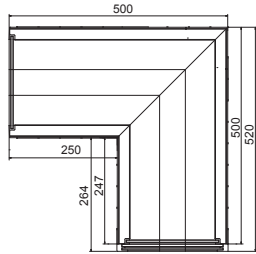
N.B. Sizes and weights are subject to usual manufacturing tolerance values.



SPECIAL PIECES AND DRAIN BOX WITH SYPHON

**SLOPE
200**

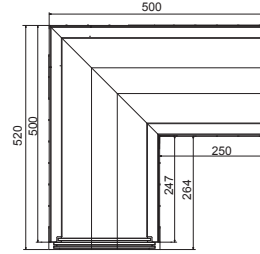
LEFT CORNER



SLOPE 200

CODE	PRICE €	MODEL
709140		200/250
709106		200/160
709107		200/100

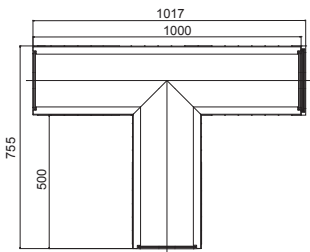
RIGHT CORNER



SLOPE 200

CODE	PRICE €	MODEL
709141		200/250
709114		200/160
709115		200/100

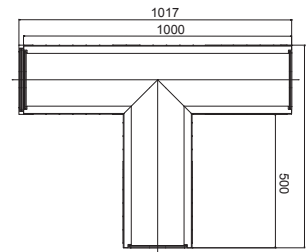
LEFT TI



SLOPE 200

CODE	PRICE €	MODEL
709142		200/250
709122		200/160
709123		200/100

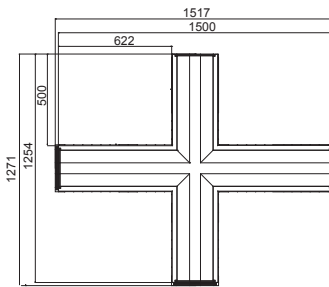
RIGHT TI



SLOPE 200

CODE	PRICE €	MODEL
709143		200/250
709130		200/160
709131		200/100

CROSS

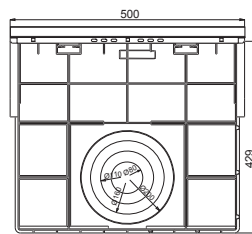


SLOPE 200

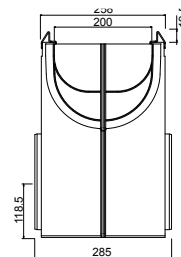
CODE	PRICE €	MODEL
709144		200/250
709138		200/160
709139		200/100

Special pieces, corners, Ti, crosses in stainless steel are available upon request. For further information please contact our Technical Department.

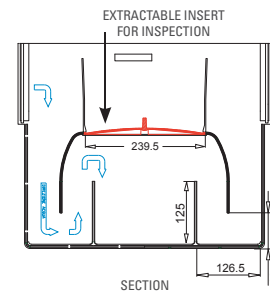
DRAIN BOX WITH SYPHON¹⁷



FRONT VIEW



SIDE VIEW



SECTION

SLOPE 200

CODE	PRICE €	MATERIAL OF FRAME	MATERIAL OF OUTLET	EXTERNAL DIMENSIONS L x l x h mm	INTERNAL DIMENSIONS L x l x h mm	MAXIMUM LARGE mm	HEIGHT OF OUTLETS mm	WEIGHT Kg	PREINSTALLED DRAIN mm
709032		galvanised steel DX51D ³	PE-HD	500 x 258 x 429	500 x 200 x 400	285	118,5	4,60	2 x Ø 80; 2 x Ø 110; 2 x Ø 160; 2 x Ø 200
709021		stainless steel AISI 304 ²	PE-HD	500 x 258 x 429	500 x 200 x 400	285	118,5	4,60	2 x Ø 110; 2 x Ø 160; 2 x Ø 200

17- The drain box Easy, Vip, Smart, Slope and Wing 200 are not prearranged to be connected to the correspondent channels EASY, VIP, SMART, SLOPE and WING 200/250
 2- Classification according to American Standard ASTM.
 3- Classification according to Standard EN 10142 (2002) and symbolic designation according to EN 10027-1 (-2) (2006).
 N.B. Sizes and weights are subject to usual manufacturing tolerance values.