

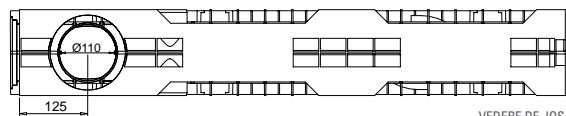


100

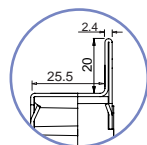


# RIGOLE

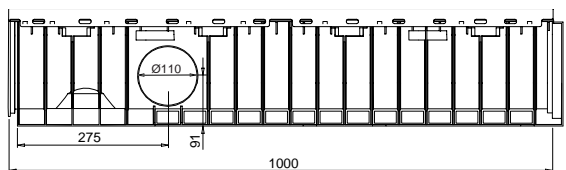
## SMART 100



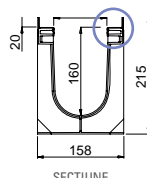
VEDERE DE JOS



DETALIU SECTIUNE



VEDERE LATERALA

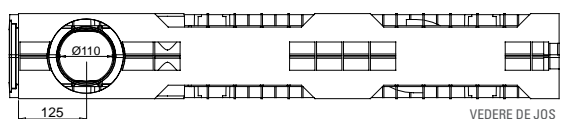


SECTIUNE

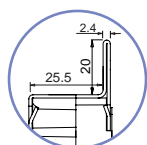


### SMART 100/160

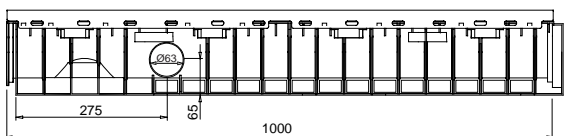
COD	PRET	MATERIAL CADRU	MATERIAL RIGOLA	DIMENSIUNI EXTERNE L x l x h	DIMENSIUNI INTERNE L x l x h	GREUTATE	SECTIUNE DRENARE	CAPACITATE	EVACUARI PREINSTALATE	
	€			mm	mm	kg	cm <sup>2</sup>	dm <sup>3</sup>	mm	
701000		otel zincat DX51D**	PE-HD	1000 x 158 x 215	1000 x 100 x 160	4,10	145,28	14,52	lateral inferior	2 x Ø 110 1 x Ø 110
701008		otel inox AISI 304*								



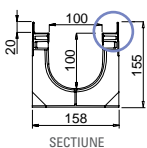
VEDERE DE JOS



DETALIU SECTIUNE



VEDERE LATERALA



SECTIUNE



### SMART 100/100

COD	PRET	MATERIAL CADRU	MATERIAL RIGOLA	DIMENSIUNI EXTERNE L x l x h	DIMENSIUNI INTERNE L x l x h	GREUTATE	SECTIUNE DRENARE	CAPACITATE	EVACUARI PREINSTALATE	
	€			mm	mm	kg	cm <sup>2</sup>	dm <sup>3</sup>	mm	
701001		otel zincat DX51D**	PE-HD	1000 x 158 x 155	1000 x 100 x 100	3,60	89,56	8,95	lateral inferior	2 x Ø 63 1 x Ø 110
701009		otel inox AISI 304*								

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10142 (ed. Iulie 2002) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

§ Etansare: pentru asigurarea unei etansari perfecte a rigolei, va sfatuim sa utilizati un adeziv de etansare bituminos.

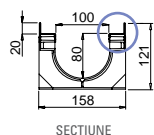
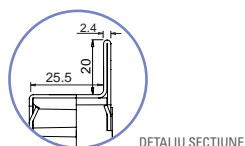
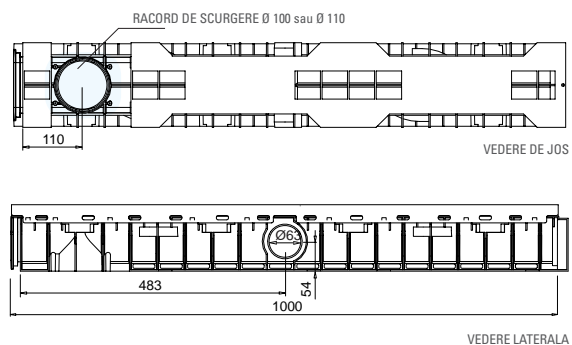
Pentru informatii suplimentare contactati Departamentul Tehnic.

NOTA: Dimensiunile si greutatele se incadreaza in limite normale de toleranta.



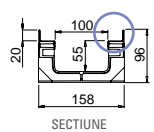
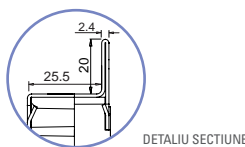
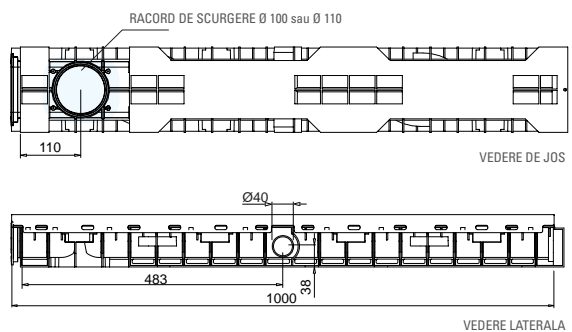
# RIGOLE

## SMART 100



### SMART 100/80

COD	PRET €	MATERIAL CADRU	MATERIAL RIGOLE	DIMENS EXTERNE L x l x h mm	DIMENS INTERNE L x l x h mm	GREUTATE kg	SECTIUNE DRENARE cm <sup>2</sup>	CAPACITATE dm <sup>3</sup>	EVACUARI PREINSTALATE mm
701002		otel zincat DX51D**	PE-HD	1000 x 158 x 121	1000 x 100 x 80	3,30	69,28	6,92	lateral 2 x Ø 63 inferior*** 1 x Ø 100; 1 x Ø 110
701010		otel inox AISI 304*							



### SMART 100/55

COD	PRET €	MATERIAL CADRU	MATERIAL RIGOLE	DIMENS EXTERNE L x l x h mm	DIMENS INTERNE L x l x h mm	GREUTATE kg	SECTIUNE DRENARE cm <sup>2</sup>	CAPACITATE dm <sup>3</sup>	EVACUARI PREINSTALATE mm
701003		otel zincat DX51D**	PE-HD	1000 x 158 x 96	1000 x 100 x 55	3,10	54,44	5,44	lateral 2 x Ø 40 inferior*** 1 x Ø 100; 1 x Ø 110
701011		otel inox AISI 304*							

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10142 (ed. Iulie 2002) și simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

\*\*\* Pentru a obține evacuările dorite utilizați Kit Racorduri de evacuare (disponibile în două versiuni Ø100 și Ø110).

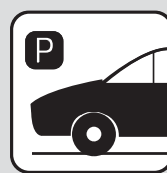
§ Etansare: pentru asigurarea unei etansări perfecte a rigolei, vă sfătuim să utilizați un adeziv de etansare bituminos.

Pentru informații suplimentare contactați Departamentul Tehnic.

NOTA: Dimensiunile și greutatele se încadrează în limite normale de toleranță.



# GRATARE



B 125

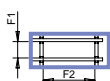
SMART 100

## APLICATII ZINCAT

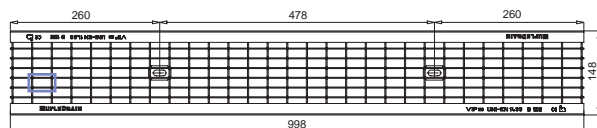
Trotuare  
Zone de stationare si parcuri private

## APLICATII INOX

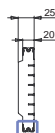
Trotuare  
Zone de stationare si parcuri private  
Industria alimentara  
Mediu chimic agresiv



DETALIU OCHI  
ANTITOC



VEDERE DE SUS



VEDERE  
LATERALA



DETALIU  
INDOIRE  
MONTANT



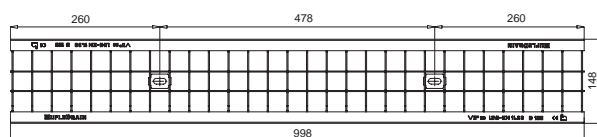
## GRATAR FAGURE ANTITOC



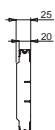
COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502126		otel DD11 (1.0332)** zincat la cald	998 x 148 x 20	3,60	8,82	15,2 x 32,2		pana la clasa C250 conform normei EN 1433
502150		otel inox AISI 304* decapat						
502138		otel DD11 (1.0332)** zincat la cald	498 x 148 x 20	1,80	4,41			
502162		otel inox AISI 304* decapat						



DETALIU OCHI  
PATRAT



VEDERE DE SUS



VEDERE  
LATERALA



DETALIU  
INDOIRE  
MONTANT



## GRATAR FAGURE PATRAT



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502127		otel DD11 (1.0332)** zincat la cald	998 x 148 x 20	2,90	9,00	32,2 x 32,2		pana la clasa C250 conform normei EN 1433
502157		otel inox AISI 304* decapat						
502139		otel DD11 (1.0332)** zincat la cald	498 x 148 x 20	1,45	4,50			
502163		otel inox AISI 304* decapat						

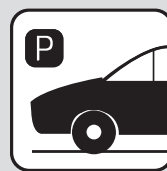
\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10111 (ed. martie 2000) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

NOTA: Dimensiunile si greutatele se incadreaza in limite normale de toleranta.



# GRATARE



B 125

SMART 100

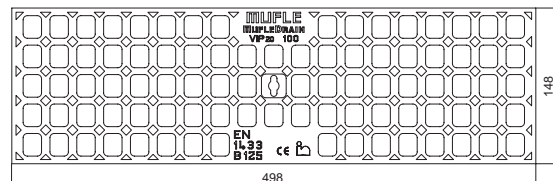
## APLICATII FONTA

Trotuare

Zone de stationare si parcuri private



DETALIU FANTA



VEDERE DE SUS




VEDERE LATERALA



## GRATAR FAGURE



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502112		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 148 x 20	3,40	3,31	21,5 x 17,5		pana la clasa C250 conform normei EN 1433

\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE



C 250

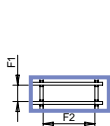
SMART 100

## APLICATII ZINCAT

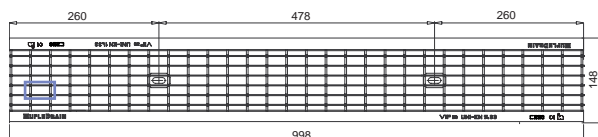
Cordoane stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate

## APLICATII INOX

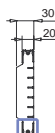
Cordoane stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate  
Zone cu tranzit cu incarcari mici in industria alimentara  
Zone cu tranzit cu incarcari mici in medii chimic agresive



DETALIU OCHI ANTITOC



VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANT



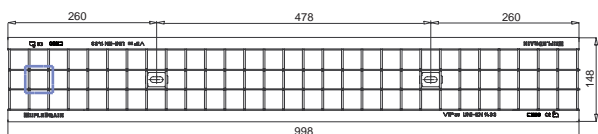
### GRATAR FAGURE ANTITOC



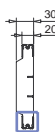
COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502152		otel DD11 (1.0332)** zincat la cald	998 x 148 x 20	5,10	8,82	15,2 x 31,2		pana la clasa C250 conform normei EN 1433
502175		otel inox AISI 304* decapat						
502169		otel DD11 (1.0332)** zincat la cald	498 x 148 x 20	2,55	4,41			
502187		otel inox AISI 304* decapat						



DETALIU OCHI PATRAT



VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANT



### GRATAR FAGURE PATRAT



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502151		otel DD11 (1.0332)** zincat la cald	998 x 148 x 20	4,60	8,50	31,2 x 31,2		pana la clasa C250 conform normei EN 1433
502174		otel inox AISI 304* decapat						
502168		otel DD11 (1.0332)** zincat la cald	498 x 148 x 20	2,30	4,25			
502188		otel inox AISI 304* decapat						

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10111 (ed. martie 2000) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE



C 250

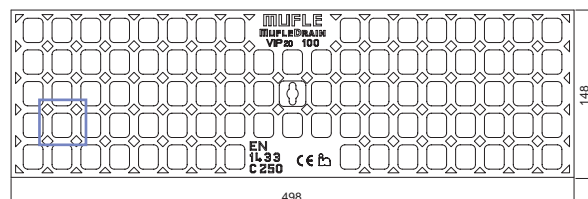
SMART 100

## APLICATII FONTA

Cordoane stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate



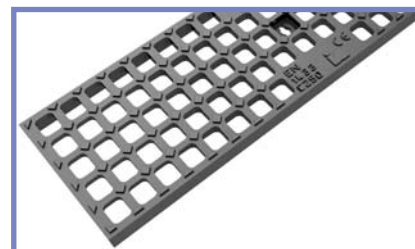
DETALIU FONTA



VEDERE DE SUS




VEDERE LATERALA



## GRATAR FAGURE



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502115		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 148 x 20	3,80	3,31	21,5 x 17,5		pana la clasa C250 conform normei EN 1433

\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE

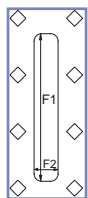


C 250

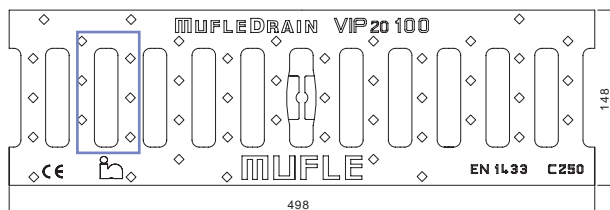
SMART 100

## APLICATII FONTA

Cordone stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate



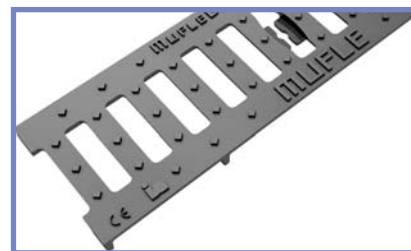
DETALIU FANTA



VEDERE DE SUS



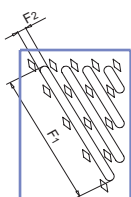
VEDERE LATERALA



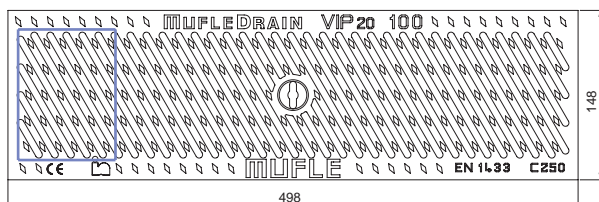
### GRATAR CU FANTA 20 mm



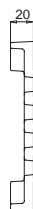
COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502113		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 148 x 20	3,60	1,97	82,0 x 20,0		pana la clasa C250 conform normei EN 1433



DETALIU FANTA



VEDERE DE SUS



VEDERE LATERALA



### GRATAR CU FANTA 6 mm



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502114		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 148 x 20	4,00	2,10	91,5 x 6,0		pana la clasa C250 conform normei EN 1433

\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE

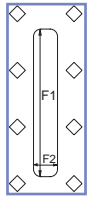


D 400

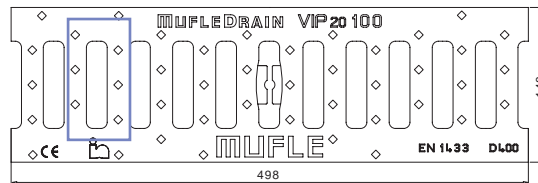
SMART 100

## APLICATII FONTA

Trafic stradal (nu traversari stradale)  
 Peroane cu trafic  
 Zone de stationare cu trafic intens si greu  
 Statii de carburanti



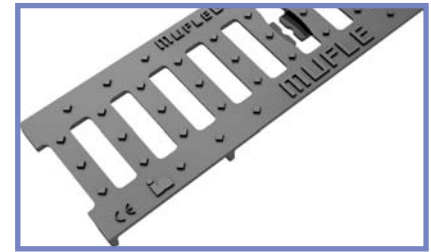
DETALIU FANTA



VEDERE DE SUS



VEDERE LATERALA



### GRATAR CU FANTA 20 mm



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE bareta
502116		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 148 x 20	4,50	1,97	82,0 x 20,0	



Gratarele din clasa D400 asociate cu rigolele SMART nu se pot certifica conform normei EN 1433 din cauza grosimii muchiei supuse traficului si datorita suprafetei de contact care sunt potrivite pana la clasa C250. Gratarele, oricum, indeplinesc testele de incarcare prescrise pentru determinarea clasei de apartenenta D400. Va sfatuim sa utilizati sistemul "Rigola SMART + gratar din fonta clasa D400" pentru canalizari transversale (traversari stradale) de trafic scazut cu viteza (max 15 km/h).

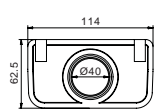
\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.

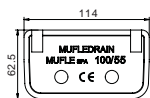


# ACCESORII

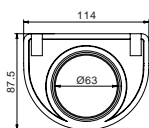
# SMART 100



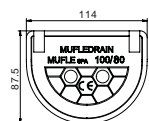
PLACA DE CAPAT CU EVACUARE 100/55



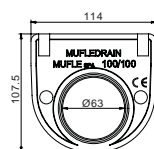
PLACA DE CAPAT INCHISA 100/55



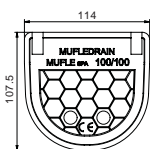
PLACA DE CAPAT CU EVACUARE 100/80



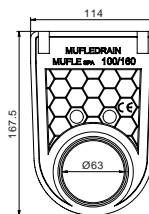
PLACA DE CAPAT INCHISA 100/80



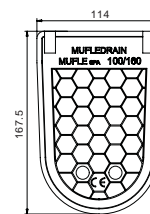
PLACA DE CAPAT CU EVACUARE 100/100



PLACA DE CAPAT INCHISA 100/100



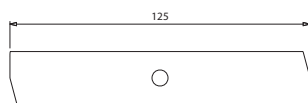
PLACA DE CAPAT CU EVACUARE 100/160



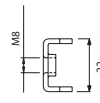
PLACA DE CAPAT INCHISA 100/160

## PLACI DE CAPAT

COD	PRET	TIP	MATERIAL	UTILIZATE PENTRU RIGOLE	EVACUARI PREINSTALATE
	€				mm
700500		placa de capat cu evacuare	PE-HD	100/55	1 x Ø 40
700508		placa de capat inchisa	PE-HD	100/55	-
700501		placa de capat cu evacuare	PE-HD	100/80	1 x Ø 63
700509		placa de capat inchisa	PE-HD	100/80	-
700502		placa de capat cu evacuare	PE-HD	100/100	1 x Ø 63
700510		placa de capat inchisa	PE-HD	100/100	-
700503		placa de capat cu evacuare	PE-HD	100/160	1 x Ø 63
700511		placa de capat inchisa	PE-HD	100/160	-



VEDERE DE SUS

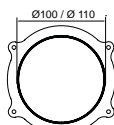


VEDERE LATERALA

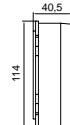


## KIT BARETE + SURUBURI

COD	PRET	MATERIAL	UTILIZATA PENTRU GRATARE	SURUBURI	COMPOZITIE KIT PENTRU 1 ml
	€				
500421		otel zincat	SMART otel zincat	M8 x 55 TBL combi	2 barete + 2 suruburi
500422		otel inox	SMART otel inox	M8 x 55 TBL combi inox	2 barete + 2 suruburi
500423		otel zincat negru	SMART fonta nodulara	M8 x 55 cap negru hexagonal	2 barete + 2 suruburi



VEDERE DE SUS



VEDERE LATERALA



## KIT RACORD EVACUARE + SURUBURI

COD	PRET	MATERIAL	UTILIZAT PENTRU RIGOLE	DIAMETRU	COMPOZITIE KIT / 1 ml
	€			mm	
506114		PE-HD	100/55 - 100/80	Ø 100	1 racord Ø 100 + 4 suruburi
506115		PE-HD	100/55 - 100/80	Ø 110	1 racord Ø 110 + 4 suruburi

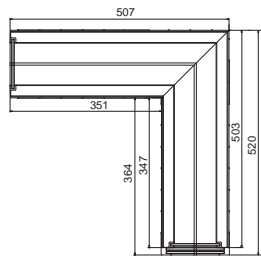
NOTA: Dimensiunile si greutatele se incadreaza in limite normale de toleranta.



# PIESE SPECIALE SI CAMIN SIFONAT

SMART 100

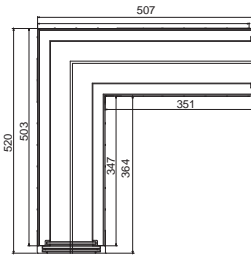
## COLTAR STANGA



## SMART 100

COD	PRET €	MODEL
701100		100/160
701101		100/100
701102		100/80
701103		100/55

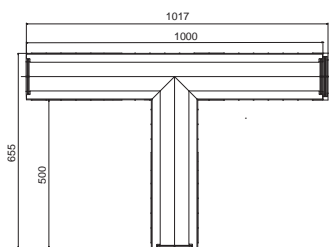
## COLTAR DREAPTA



## SMART 100

COD	PRET €	MODEL
701108		100/160
701109		100/100
701110		100/80
701111		100/55

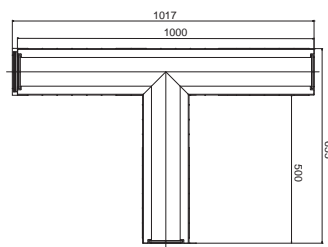
## TEU STANGA



## SMART 100

COD	PRET €	MODEL
701116		100/160
701117		100/100
701118		100/80
701119		100/55

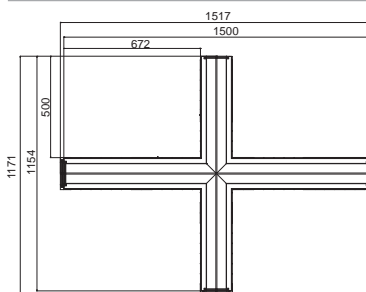
## TEU DREAPTA



## SMART 100

COD	PRET €	MODEL
701124		100/160
701125		100/100
701126		100/80
701127		100/55

## CRUCE

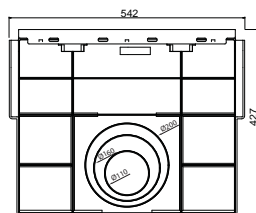


## SMART 100

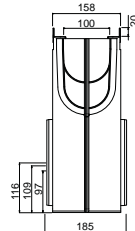
COD	PRET €	MODEL
701132		100/160
701133		100/100
701134		100/80
701135		100/55

Piese speciale: coltari, teu, cruci din otel inox sunt disponibile la cerere. Pentru alte informatii contactati Departamentul Tehnic.

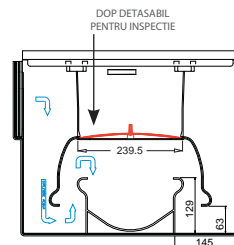
## CAMIN SIFONAT



VEDERE FRONTALA



VEDERE LATERALA



SECTIUNE

## SMART 100

COD	PRET €	MATERIAL CADRU	MATERIAL CAMIN	DIMENSIUNI EXTERNE L x l x h mm	DIMENSIUNI INTERNE L x l x h mm	LATIMEA MAXIMA mm	INALTIME EVACUARI mm	GREUTATE kg	EVACUARI PREINSTALATE mm
701016		otel zincat DX51D**	PE-HD	542 x 158 x 434	500 x 100 x 400	185	116 - 109 - 97	3,35	2 x Ø 110; 2 x Ø 160; 2 x Ø 200
701019		otel inox AISI 304*	PE-HD	542 x 158 x 434	500 x 100 x 400	185	116 - 109 - 97	3,35	2 x Ø 110; 2 x Ø 160; 2 x Ø 200

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10142 (ed. Iulie 2002) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

NOTA: Dimensiunile si greutatele se incadreaza in limite normale de toleranta.

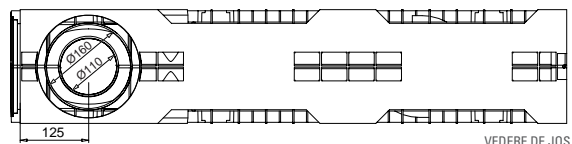


150

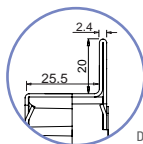


# RIGOLE

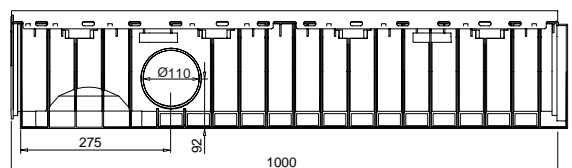
## SMART 150



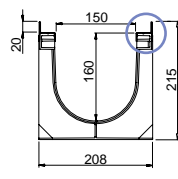
VEDERE DE JOS



DETALIU SECTIUNE



VEDERE LATERALA

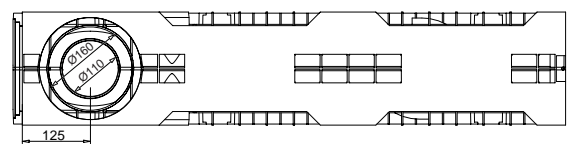


SECTIUNE

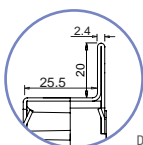


### SMART 150/160

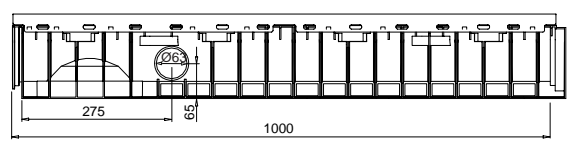
COD	PRET	MATERIAL CADRU	MATERIAL RIGOLA	DIMENSIUNI EXTERNE L x l x h	DIMENSIUNI INTERNE L x l x h	GREUTATE	SECTIUNE DRENARE	CAPACITATE	EVACUARI PREINSTALATE
	€			mm	mm	kg	cm <sup>2</sup>	dm <sup>3</sup>	mm
701004		otel zincat DX51D**	PE-HD	1000 x 208 x 215	1000 x 150 x 160	4,55	213,04	21,30	lateral 2 x Ø 110 inferior 1 x Ø 110; 1 x Ø 160
701012		otel inox AISI 304*							



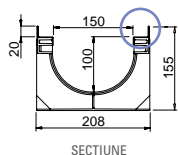
VEDERE DE JOS



DETALIU SECTIUNE



VEDERE LATERALA



SECTIUNE



### SMART 150/100

COD	PRET	MATERIAL CADRU	MATERIAL RIGOLA	DIMENSIUNI EXTERNE L x l x h	DIMENSIUNI INTERNE L x l x h	GREUTATE	SECTIUNE DRENARE	CAPACITATE	EVACUARI PREINSTALATE
	€			mm	mm	kg	cm <sup>2</sup>	dm <sup>3</sup>	mm
701005		otel zincat DX51D**	PE-HD	1000 x 208 x 155	1000 x 150 x 100	4,00	127,32	12,73	lateral 2 x Ø 63 inferior 1 x Ø 110; 1 x Ø 160
701013		otel inox AISI 304*							

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10142 (ed. Iulie 2002) și simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

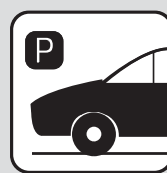
§ Etansare: pentru asigurarea unei etansari perfecte a rigolei, va sfatuim să utilizați un adeziv de etansare bituminos.

Pentru informații suplimentare contactați Departamentul Tehnic.

NOTA: Dimensiunile și greutatele se încadrează în limite normale de toleranță.



# GRATARE



B 125

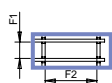
SMART 150

## APLICATII ZINCAT

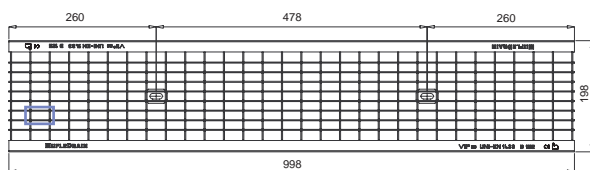
Trotuare  
Zone de stationare si parcuri private

## APLICATII INOX

Trotuare  
Zone de stationare si parcuri private  
Industria alimentara  
Mediu chimic agresiv



DETALIU OCHI ANTITOC



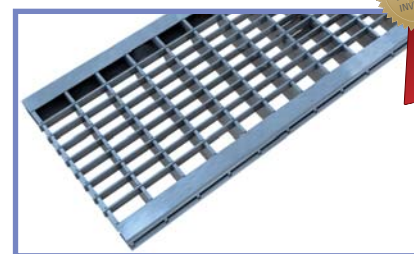
VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANTA



PATENT PRODUCT FOR INDUSTRIAL INVENTION

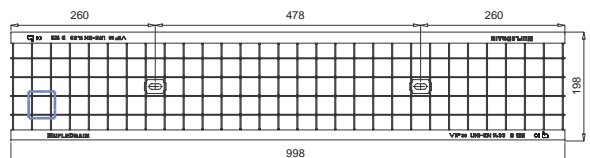
### GRATAR FAGURE ANTITOC



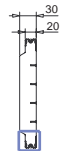
COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502130		otel DD11 (1.0332)** zincat la cald	998 x 198 x 20	5,00	13,08	15,2 x 32,2		pana la clasa C250 conform normei EN 1433
502158		otel inox AISI 304* decapat						
502142		otel DD11 (1.0332)** zincat la cald	498 x 198 x 20	2,50	6,54			
502164		otel inox AISI 304* decapat						



DETALIU OCHI PATRAT



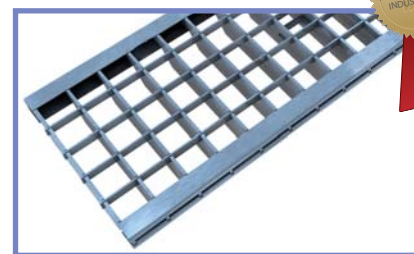
VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANT



PATENT PRODUCT FOR INDUSTRIAL INVENTION

### GRATAR FAGURE PATRAT



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502131		otel DD11 (1.0332)** zincat la cald	998 x 198 x 20	4,10	13,74	32,2 x 32,2		pana la clasa C250 conform normei EN 1433
502159		otel inox AISI 304* decapat						
502143		otel DD11 (1.0332)** zincat la cald	498 x 198 x 20	2,05	6,87			
502165		otel inox AISI 304* decapat						

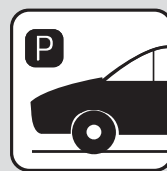
\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10111 (ed. martie 2000) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE



B 125

SMART 150

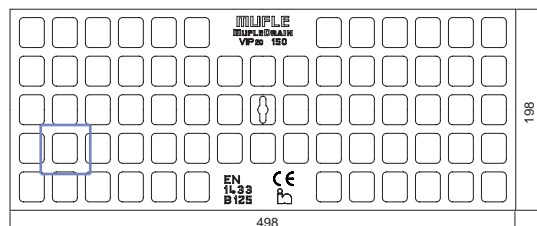
## APLICATII FONTA

Trotuare

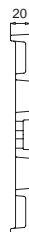
Zone de stationare si parcuri private



DETALIU FONTA



VEDERE DE SUS




VEDERE LATERALA



## GRATAR FAGURE



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502118		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 198 x 20	4,90	3,77	29,0 x 24,5		pana la clasa C250 conform normei EN 1433

\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE



C 250

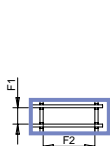
SMART 150

## APLICATII ZINCAT

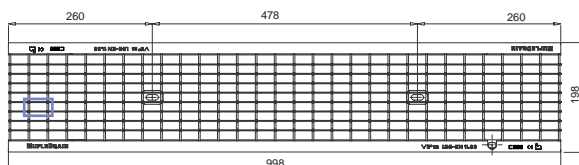
Cordoane stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate

## APLICATII INOX

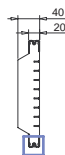
Cordoane stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate  
Zone cu tranzit cu incarcari mici in industria alimentara  
Zone cu tranzit cu incarcari mici in medii chimic agresive



DETALIU OCHI ANTITOC



VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANT



PATENT PRODUCT FOR INDUSTRIAL INVENTION

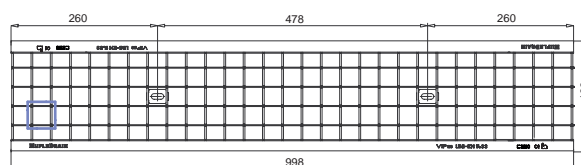
## GRATAR FAGURE ANTITOC



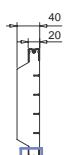
COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502154		otel DD11 (1.0332)** zincat la cald	998 x 198 x 20	7,50	13,08	15,2 x 31,2		pana la clasa C250 conform normei EN 1433
502177		otel inox AISI 304* decapat						
502171		otel DD11 (1.0332)** zincat la cald	498 x 198 x 20	3,75	6,54			
502190		otel inox AISI 304* decapat						



DETALIU OCHI PATRAT



VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANT



PATENT PRODUCT FOR INDUSTRIAL INVENTION

## GRATAR FAGURE PATRAT



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502153		otel DD11 (1.0332)** zincat la cald	998 x 198 x 20	7,00	13,47	31,2 x 31,2		pana la clasa C250 conform normei EN 1433
502176		otel inox AISI 304* decapat						
502170		otel DD11 (1.0332)** zincat la cald	498 x 198 x 20	3,50	6,73			
502189		otel inox AISI 304* decapat						

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10111 (ed. martie 2000) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE

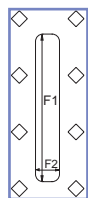


C 250

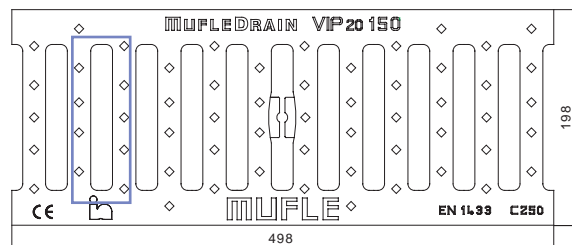
SMART 150

## APLICATII FONTA

Cordoane stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate



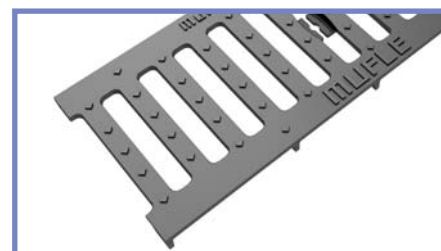
DETALIU FANTA



VEDERE DE SUS




VEDERE LATERALA



## GRATAR CU FANTA 20 mm



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502120		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 198 x 20	5,20	3,16	132,0 x 20,0		pana la clasa C250 conform normei EN 1433

\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE

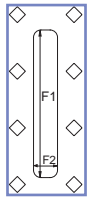


D 400

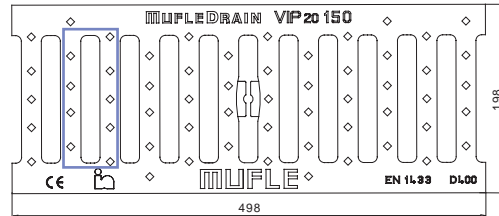
SMART 150

## APLICATII FONTA

Trafic stradal (nu traversari stradale)  
 Peroane cu trafic  
 Zone de stationare cu trafic intens si greu  
 Statii de carburanti



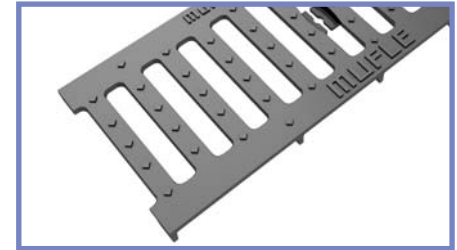
DETALIU FANTA



VEDERE DE SUS



VEDERE LATERALA



### GRATAR CU FANTA 20 mm



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE bareta
502121		fonta nodulara GJS 500/7* vopsita cu vopsea apoasa	498 x 198 x 20	5,90	3,16	132,0 x 20,0	



Gratarele din fonta nodulara clasa D400 asociate rigolelor SMART nu pot fi certificate in conformitate cu norma EN 1433 din cauza grosimii muchiei supuse traficului si a suprafetei de contact care sunt potrivite numai pana la clasa C250. Gratarele, oricum, indeplinesc testele de incarcare prescrise pentru determinarea clasei de incarcare D400. Va sfatuim sa utilizati sistemul "Rigola SMART + gratar din fonta clasa D400" pentru canalizari transversale (traversari stradale) de trafic scazut cu viteza (max 15 km/h).

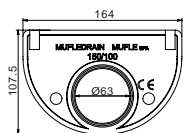
\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.

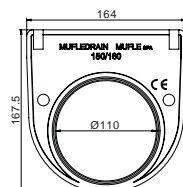


# ACCESORII

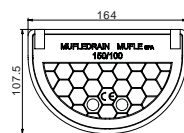
## SMART 150



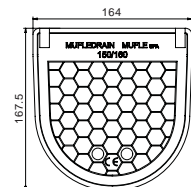
PLACA DE CAPAT CU EVACUARE 150/100



PLACA DE CAPAT CU EVACUARE 150/160



PLACA DE CAPAT INCHISA 150/100

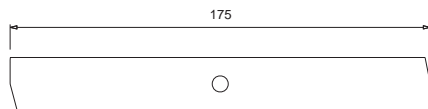


PLACA DE CAPAT INCHISA 150/160



### PLACI DE CAPAT

COD	PRET	TIP	MATERIAL	UTILIZATE PENTRU RIGOLE	EVACUARI PREINSTALATE
	€				mm
700504		placa de capat cu evacuare	PE-HD	150/100	1 x Ø 63
700512		placa de capat inchisa	PE-HD	150/100	-
700505		placa de capat cu evacuare	PE-HD	150/160	1 x Ø 110
700513		placa de capat inchisa	PE-HD	150/160	-



VEDERE DE SUS



VEDERE LATERALA



### KIT BARETE + SURUBURI

COD	PRET	MATERIAL	UTILIZATA PENTRU GRATARE	SURUBURI	COMPOZITIE KIT PENTRU 1 ml
	€				
500424		otel zincat	SMART otel zincat	M8 x 55 TBL combi	2 barete + 2 suruburi
500425		otel inox	SMART otel inox	M8 x 55 TBL combi	2 barete + 2 suruburi
500426		otel zincat negru	SMART fonta nodulara	M8 x 55 cap negru hexagonal	2 barete + 2 suruburi

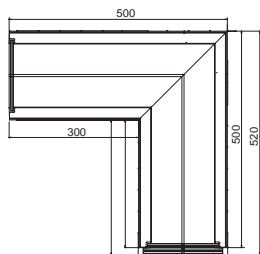
NOTA: Dimensiunile si greutatele se incadreaza in limite normale de toleranta.



# PIESE SPECIALE SI CAMIN SIFONATE

## SMART 150

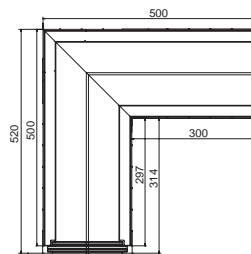
### COLTAR STANGA



### SMART 150

COD	PRET €	MODEL
701104		150/160
701105		150/100

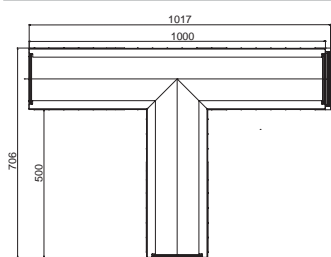
### COLTAR DREAPTA



### SMART 150

COD	PRET €	MODEL
701112		150/160
701113		150/100

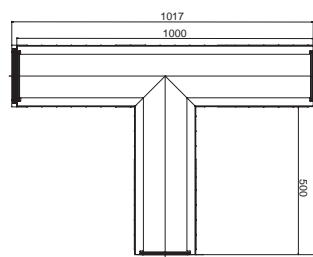
### TEU STANGA



### SMART 150

COD	PRET €	MODEL
701120		150/160
701121		150/100

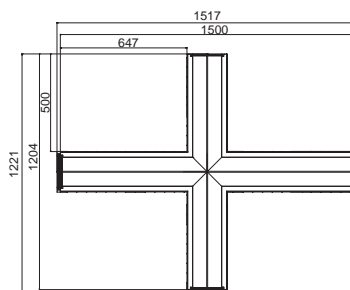
### TEU DREAPTA



### SMART 150

COD	PRET €	MODEL
701128		150/160
701129		150/100

### CRUCE

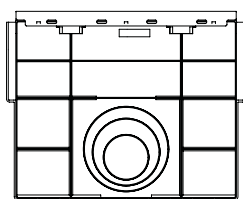


### SMART 150

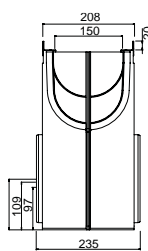
COD	PRET €	MODEL
701136		150/160
701137		150/100

Piese speciale: coltari, teu, cruci, din otel inox sunt disponibile la cerere. Pentru informatii suplimentare contactati Departamentul Tehnic.

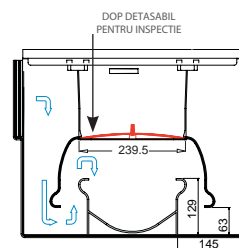
## CAMIN SIFONAT



VEDERE FRONTALA



VEDERE LATERALA



SECTIUNE

### SMART 150

COD	PRET €	MATERIAL CADRU	MATERIAL CAMIN	DIMENSIUNI EXTERNE L x l x h mm	DIMENSIUNI INTERNE L x l x h mm	LATIMEA MAXIMA mm	INALTIME EVACUARI mm	GREUTATE kg	EVACUARI PREINSTALATE mm
701017		otel zincat DX51D**	PE-HD	542 x 208 x 427	500 x 100 x 400	185	116 - 109 - 97	3,70	2 x Ø 110; 2 x Ø 160; 2 x Ø 200
701020		otel inox AISI 304*	PE-HD	542 x 208 x 427	500 x 100 x 400	185	116 - 109 - 97	3,70	2 x Ø 110; 2 x Ø 160; 2 x Ø 200

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10142 (ed. Iulie 2002) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

NOTA: Dimensiunile si greutatele se incadreaza in limite normale de toleranta.

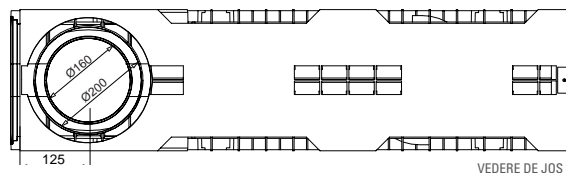


200

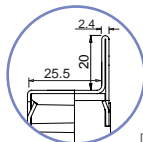


# RIGOLE

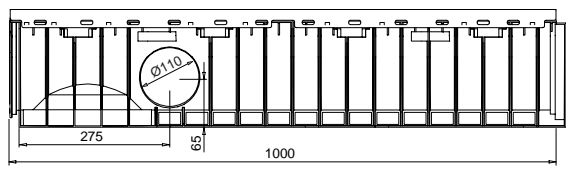
## SMART 200



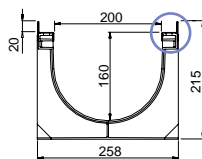
VEDERE DE JOS



DETALIU SECTIUNE



VEDERE LATERALA

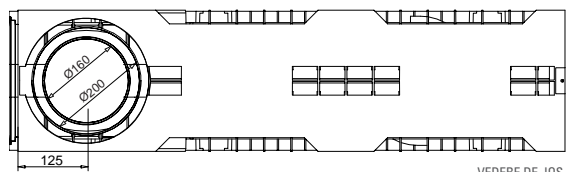


SECTIUNE

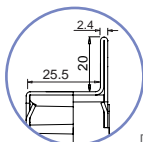


### SMART 200/160

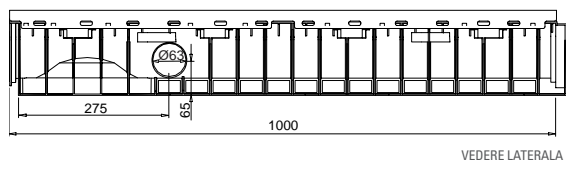
COD	PRET	MATERIAL CADRU	MATERIAL RIGOLA	DIMENSIUNI EXTERNE L x l x h	DIMENSIUNI INTERNE L x l x h	GREUTATE	SECTIUNE DRENARE	CAPACITATE	EVACUARI PREINSTALATE
	€			mm	mm	kg	cm <sup>2</sup>	dm <sup>3</sup>	mm
701006		otel zincat DX51D**	PE-HD	1000 x 258 x 215	1000 x 200 x 160	4,95	275,87	27,58	lateral inferior 2 x Ø 110 1 x Ø 160; 1 x Ø 200
701014		otel inox AISI 304*							



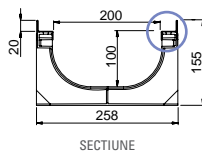
VEDERE DE JOS



DETALIU SECTIUNE



VEDERE LATERALA



SECTIUNE



### SMART 200/100

COD	PRET	MATERIAL CADRU	MATERIAL RIGOLA	DIMENSIUNI EXTERNE L x l x h	DIMENSIUNI INTERNE L x l x h	GREUTATE	SECTIUNE DRENARE	CAPACITATE	EVACUARI PREINSTALATE
	€			mm	mm	kg	cm <sup>2</sup>	dm <sup>3</sup>	mm
701007		otel zincat DX51D**	PE-HD	1000 x 258 x 155	1000 x 150 x 100	4,35	178,73	17,87	lateral inferior 2 x Ø 63 1 x Ø 160; 1 x Ø 200
701015		otel inox AISI 304*							

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10142 (ed. Iulie 2002) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

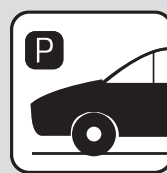
§ Etansare: pentru asigurarea unei etansari perfecte a rigolei, va sfatuim sa utilizati un adeziv de etansare bituminos.

Pentru informatii suplimentare contactati Departamentul Tehnic.

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE



B 125

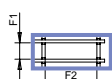
SMART 200

## APLICATII ZINCAT

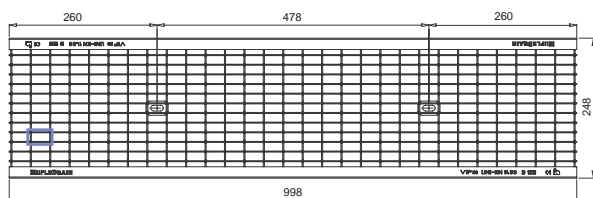
Trotuare  
Zone de stationare si parcuri private

## APLICATII INOX

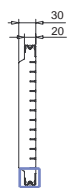
Trotuare  
Zone de stationare si parcuri private  
Industria alimentara  
Mediu chimic agresiv



DETALIU OCHI ANTITOC



VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANT



PATENT PRODUCT FOR INDUSTRIAL INVENTION

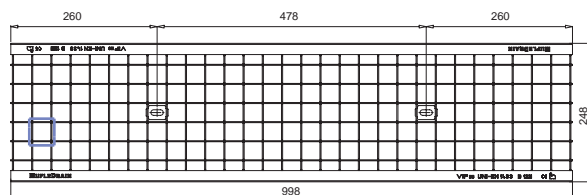
### GRATAR FAGURE ANTITOC



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502134		otel DD11 (1.0332)** zincat la cald	998 x 248 x 20	6,20	16,98	15,2 x 32,2		pana la clasa C250 conform normei EN 1433
502160		otel inox AISI 304* decapat						
502146		otel DD11 (1.0332)** zincat la cald	498 x 248 x 20	3,10	8,49			
502166		otel inox AISI 304* decapat						



DETALIU OCHI PATRAT



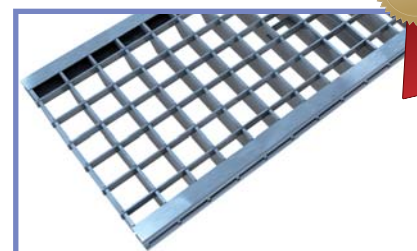
VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANT



PATENT PRODUCT FOR INDUSTRIAL INVENTION

### GRATAR FAGURE PATRAT



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502135		otel DD11 (1.0332)** zincat la cald	998 x 248 x 20	5,20	18,00	32,2 x 32,2		pana la clasa C250 conform normei EN 1433
502161		otel inox AISI 304* decapat						
502147		otel DD11 (1.0332)** zincat la cald	498 x 248 x 20	2,60	9,00			
502167		otel inox AISI 304* decapat						

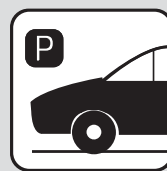
\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10111 (ed. martie 2000) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

NOTA: Dimensiunile si greutatele se incadreaza in limite normale de toleranta.



# GRATARE



B 125

SMART 200

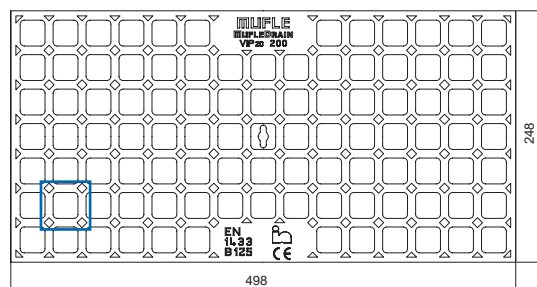
## APLICATII FONTA

Trotuare

Zone de stationare si parcuri private



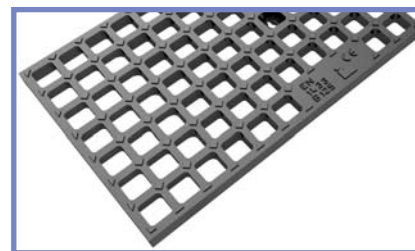
DETALIU FONTA



VEDERE DE SUS




VEDERE LATERALA



## GRATAR FAGURE



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502122		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 248 x 20	7,30	6,12	25,5 x 24,5		pana la clasa C250 conform normei EN 1433

\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE



C 250

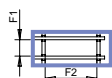
SMART 200

## APLICATII ZINCAT

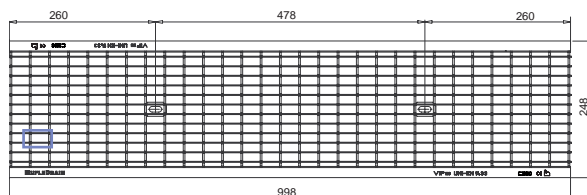
Cordoane stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate

## APLICATII INOX

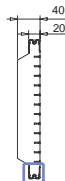
Cordoane stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate  
Zone cu tranzit cu incarcari mici in industria alimentara  
Zone cu tranzit cu incarcari mici in medii chimic agresive



DETALIU OCHI ANTITOC



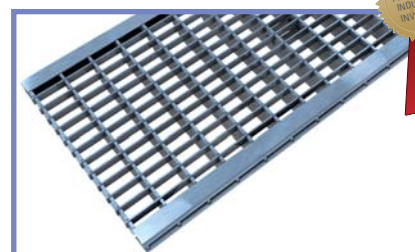
VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANT



PATENT PRODUCT FOR INDUSTRIAL INVENTION

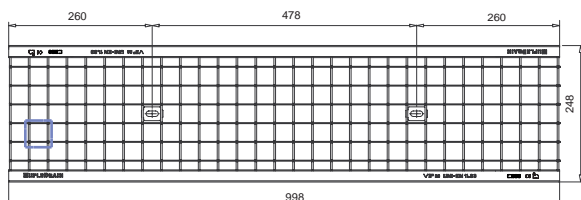
## GRATAR FAGURE ANTITOC



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502156		otel DD11 (1.0332)** zincat la cald	998 x 248 x 20	9,50	16,98	31,0 x 15,0		pana la clasa C250 conform normei EN 1433
502179		otel inox AISI 304* decapat						
502173		otel DD11 (1.0332)** zincat la cald	498 x 248 x 20	4,75	8,49			
502192		otel inox AISI 304* decapat						



DETALIU OCHI PATRAT



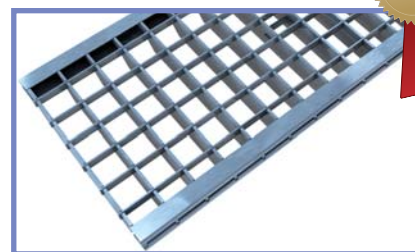
VEDERE DE SUS



VEDERE LATERALA



DETALIU INDOIRE MONTANT



PATENT PRODUCT FOR INDUSTRIAL INVENTION

## GRATAR FAGURE PATRAT



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502155		otel DD11 (1.0332)** zincat la cald	998 x 248 x 20	8,70	18,00	31,0 x 31,0		pana la clasa C250 conform normei EN 1433
502178		otel inox AISI 304* decapat						
502172		otel DD11 (1.0332)** zincat la cald	498 x 248 x 20	4,35	9,00			
502191		otel inox AISI 304* decapat						

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10111 (ed. martie 2000) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE

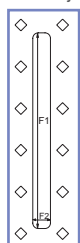


C 250

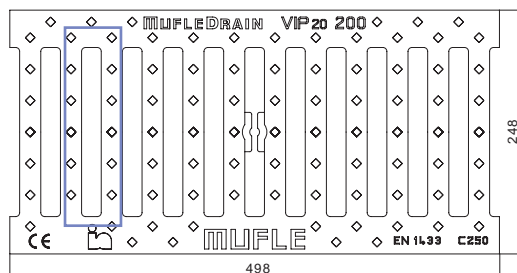
SMART 200

## APLICATII FONTA

Cordoane stradale  
Centre istorice (trafic lent)  
Zone de parcare  
Parcari multietajate



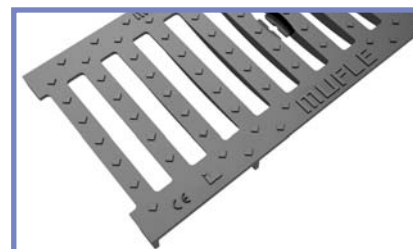
DETALIU FANTA



VEDERE DE SUS



VEDERE LATERALA



## GRATAR CU FANTA 20 mm



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE	
							bareta	fara fixare
502124		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 248 x 20	7,00	4,32	180,0 x 20,0		pana la clasa C250 conform normei EN 1433

\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.



# GRATARE

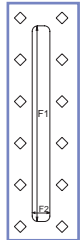


D 400

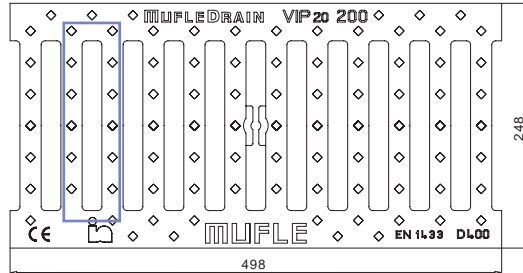
SMART 200

## APLICATII FONTA

Trafic stradal (nu traversari stradale)  
 Peroane cu trafic  
 Zone de stationare cu trafic intens si greu  
 Statii de carburanti



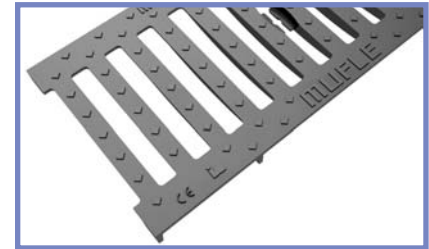
DETALIU FONTA



VEDERE DE SUS



VEDERE LATERALA



## GRATAR CU FONTA 20 mm



COD	PRET €	MATERIAL	DIMENSIUNI L x l x h mm	GREUTATE kg	SUPRAFATA DRENARE dm <sup>2</sup>	DESCHIDERE F1 x F2 mm	PRINDERE bareta
502125		fonta nodulara GJS 500/7* vopsit cu vopsea apoasa	498 x 248 x 20	7,70	4,32	180,0 x 20,0	



Gratarele din fonta nodulara clasa D400 asociate cu gratarele SMART nu se pot certifica conform normei EN 1433 din cauza grosimii muchiei supuse traficului si a suprafetei de contact care sunt potrivite pana la clasa C250. Gratarele, oricum, indeplinesc testele de incarcare prescrise pentru determinarea clasei D400. Va sfatuim sa utilizati sistemul "Rigola SMART + gratar din fonta clasa D400" pentru canalizati transversale (traversari stradale) de trafic scazut cu viteza (max 15 km/h).

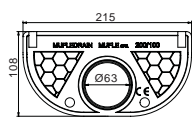
\* Clasificare conform normei EN 1563 (ed.martie 2004).

NOTA: Dimensiunile si greutatile se incadreaza in limite normale de toleranta.

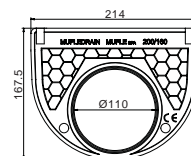


# ACCESSORII

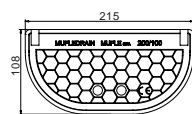
# SMART 200



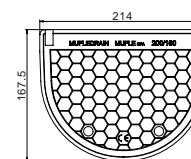
PLACA DE CAPAT CU EVACUARE 200/100



PLACA DE CAPAT CU EVACUARE 200/160



PLACA DE CAPAT INCHISA 200/100

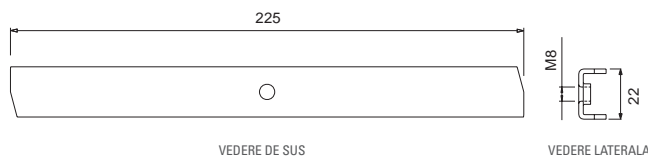


PLACA DE CAPAT INCHISA 200/160



## PLACI DE CAPAT

COD	PRET	TIP	MATERIAL	UTILIZATE PENTRU RIGOLE	EVACUARI PREINSTALATE
	€				mm
700506		placa de capat cu evacuare	PE-HD	200/100	1 x Ø 63
700514		placa de capat inchisa	PE-HD	200/100	-
700507		placa de capat cu evacuare	PE-HD	200/160	1 x Ø 110
700515		placa de capat inchisa	PE-HD	200/160	-



## KIT BARETE + SURUBURI

COD	PRET	MATERIAL	UTILIZATA PENTRU GRATARE	SURUBURI	COMPOZITIE KIT PENTRU 1 ml
	€				
500427		otel zincat	SMART otel zincat	M8 x 55 TBL combi	2 barete + 2 suruburi
500428		otel inox	SMART otel inox	M8 x 55 TBL combi	2 barete + 2 suruburi
500429		otel zincat negru	SMART fonta nodulara	M8 x 55 cap negru hexagonal	2 barete + 2 suruburi

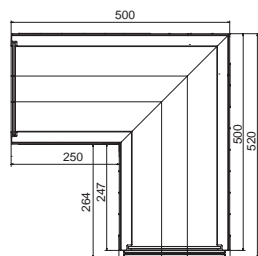
NOTA: Dimensiunile si greutatele se incadreaza in limite normale de toleranta.



# PIESE SPECIALE SI CAMIN SIFONAT

## SMART 200

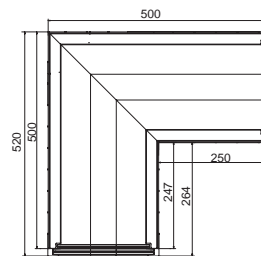
### COLTAR STANGA



### SMART 200

COD	PRET €	MODEL
701106		200/160
701107		200/100

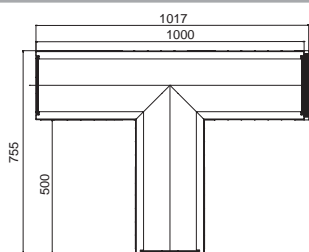
### COLTAR DREAPTA



### SMART 200

COD	PRET €	MODEL
701114		200/160
701115		200/100

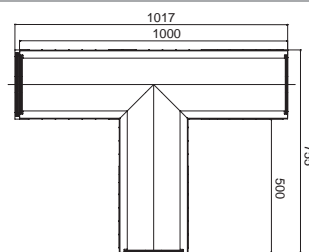
### TEU STANGA



### SMART 200

COD	PRET €	MODEL
701122		200/160
701123		200/100

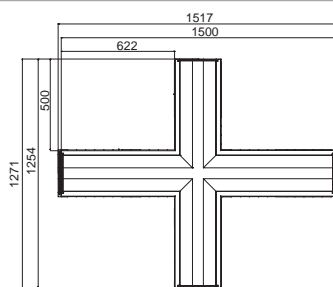
### TEU DREAPTA



### SMART 200

COD	PRET €	MODEL
701130		200/160
701131		200/100

### CRUCE

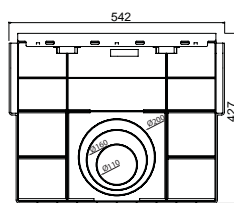


### SMART 200

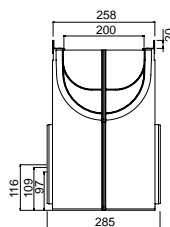
COD	PRET €	MODEL
701138		200/160
701139		200/100

Piese speciale: coltari, Teu, cruci, din otel inox sunt disponibile la cerere. Pentru informatii suplimentare contactati Departamentul Tehnic.

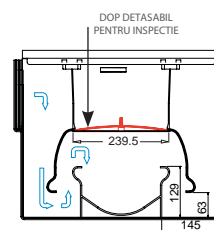
## CAMIN SIFONAT



VEDERE FRONTALA



VEDERE LATERALA



SECTIUNE

### SMART 200

COD	PRET €	MATERIAL CADRU	MATERIAL CAMIN	DIMENSIUNI EXTERNE L x l x h mm	DIMENSIUNI INTERNE L x l x h mm	LATIMEA MAXIMA mm	INALTIME EVACUARI mm	GREUTATE kg	EVACUARI PREINSTALATE mm
701018		otel zincat DX51D**	PE-HD	542 x 258 x 427	500 x 200 x 400	285	116 - 109 - 97	3,85	2 x Ø 110; 2 x Ø 160; 2 x Ø 200
701021		otel inox AISI 304*	PE-HD	542 x 258 x 427	500 x 200 x 400	285	116 - 109 - 97	3,85	2 x Ø 110; 2 x Ø 160; 2 x Ø 200

\* Clasificare conform normei americane ASTM.

\*\* Clasificare conform normei EN 10142 (ed. Iulie 2002) si simbolistica conform normei EN 10027-1 (-2) (ed. septembrie 1993).

NOTA: Dimensiunile si greutatele se incadreaza in limite normale de toleranta.