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# **VERCO**

## TECHNICAL SPECIFICATIONS



## **GRILLES**

**38.018**

The conditions below will always remain good, even when their implementation is not explicitly mentioned for a particular case :

#### **I. Estimates and orders**

1. All estimates remain free of obligation and without any agreement on our behalf. An obligation only exists after our written confirmation of the order has been drawn up, even in case of a preceding agreement by telefax or telephone. All other oral agreements are not binding by contract.
2. We reserve ourselves right to all right of ownership and copyright with regard to estimates, drawings and other documents. These shall not be given to third parties.
3. The customer's buying conditions are not binding upon us, even when they are not explicitly rejected by us.

#### **II. Delivery contract**

1. The delivery contract will only be considered to be negotiated after having confirmed the order in writing. This written confirmation of the order also applies to the contents of the contract.
2. Alterations in orders can not be taken into account once the procedure has got started or arrangements have been made with regard to provision of materials.
3. Partial deliveries are allowed.

#### **III. Order on demand**

1. In case of an order on demand, we should be informed a fortnight before the desired delivery date. Only under these circumstances, we can meet the agreed delivery date.
2. Should the orders on demand not be taken partially within the fixed term, we reserve ourselves right to, at the end of this term, send you the goods and charge you for them.

#### **IV. Prices**

1. Unless otherwise agreed, the prices are ex works and not delivered, packing included.
2. Prices hold with the reserve that all costs of material and wages remain unchanged. The legally adopted readjustment of prices at the time of delivery is considered part of the contract.
3. We reserve ourselves right to charge extra for administration expenses, should the invoice not reach a minimum amount.

#### **V. Payment**

1. Payment will be in cash, without reduction within 30 days of the invoice date, free our place of payment.
2. In case of non-payment of the invoice on due date, an interest of delay will be due by right and without preceding proof of default, amounting to 15% of the invoice amount.
3. In case of non-payment on due date, the invoice amount will be by right and without preceding proof of default raised by standard demand for indemnification amounting to 10% of the invoice amount, and this without prejudice to interests and other costs.
4. Withholding payment just like compensations in case of counterclaim not acknowledged by us, are not possible.

5. In case of non-observance of the term of payment just like circumstances only known after the negotiation of a contract and which lead to suspect that the customer will not be able to pay in time, we have the right to be assured that all engagements resulting of the contract whenever they will be executed, will be observed and to stop the execution of the order until the moment we have this assurance.

#### **VI. Terms of delivery and delivery conditions**

1. We are only bound by contract by terms of delivery which have been stipulated by us.
2. Terms of delivery run from the day on which the contract was transacted, however, never before having answered all the questions concerning production.
3. The term of delivery will be observed when the subject of order is entirely ready for delivery.
4. Should unforeseeable circumstances intervene during manufacture and other obstacles against our wish occur, like for instance force majeure, we have the right to prolong the agreed term of delivery by the duration of the obstacle plus an appropriate period to resume activities. Should circumstances oblige us, we have the right to be, entirely or partially, released from the obligations of the contract
5. In case of non-payment, we have the right to cease or suspend further deliveries.

#### **VII. Sending and transfer of risk**

1. Damages caused during transportation will be only ensured on demand and at the customer's expense.
2. The safe custody of the goods awaiting delivery or the collection of goods, will be at the buyer's risk.

#### **VIII. Transfer of property**

1. Goods will remain property of the vendor until complete payment of the goods.

#### **IX. Claims and guarantee**

1. Any claim with regard to the delivery must be made within 8 days of receipt of the goods and certainly before application or resale of the goods.
2. We guarantee the delivered goods against any solidly proven faulty material and /or faulty design, which may endanger their application. At choice, we take back the goods at the invoiced price or we replace them free of charge or we have them repaired free of charge in accordance with the original order. We do not take responsibility for consequential damage. Any protest against the invoice should be made in writing within 8 days of the invoice date.
3. We do not take responsibility for bearings or parts, which, during the above mentioned guarantee period, wear out in accordance with the duration of their use or which wear owing to pollution or rusting
4. The jurisdiction for payment and delivery is Ghent, Belgium. All actions under the present contract shall only be brought before the courts at Ghent.
5. Belgian laws goes for all contracts.
6. The contested goods must be kept at our disposal.

7. The right to repairs expires at the latest 3 months after our objection to the goods.
8. The guarantee under section 2 only covers these defaults for a period within one (1) year of delivery.

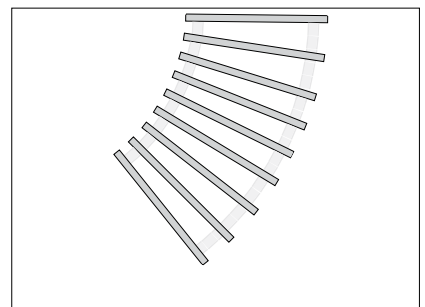
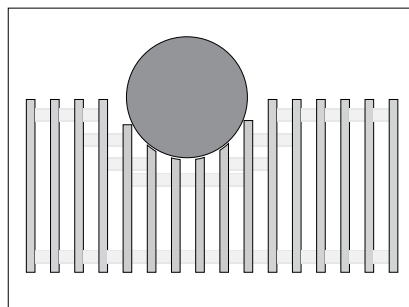
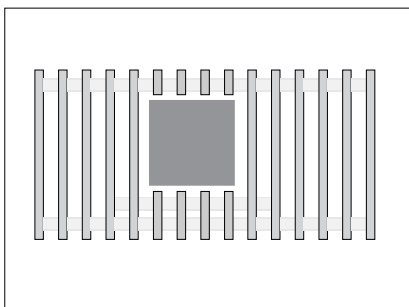
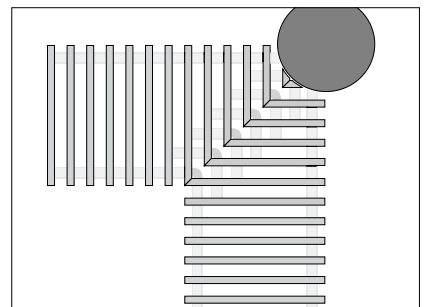
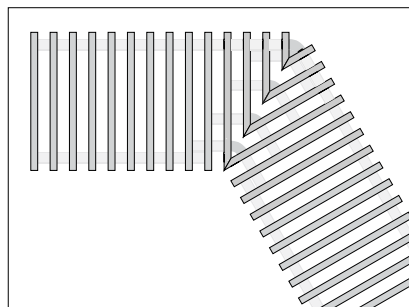
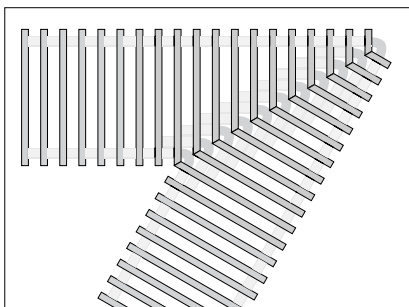
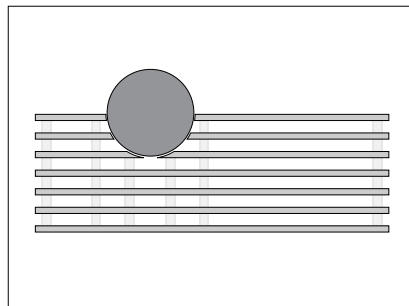
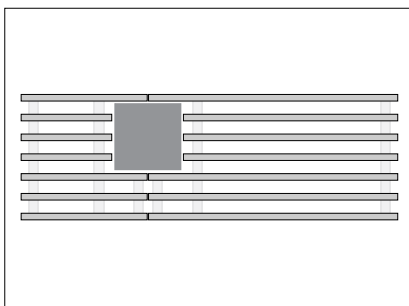
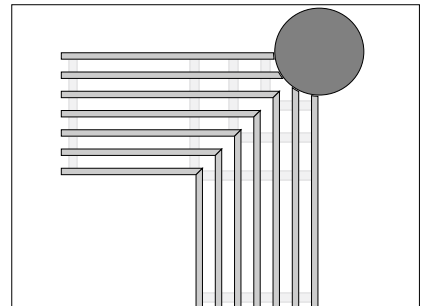
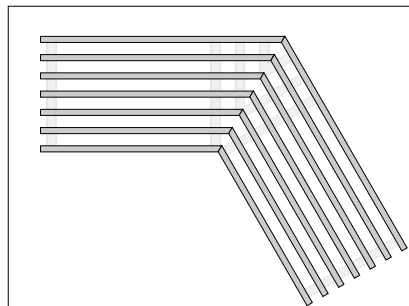
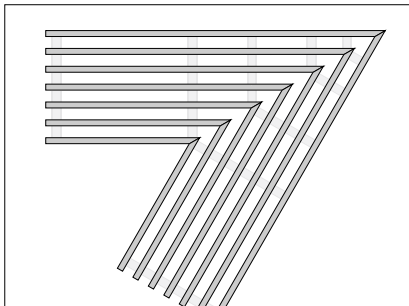
#### **X. Clause of shortfall**

Should for any possible reason, the above stipulations concerning the conditions of sale and delivery become void, the contract remain unaltered with regard to the validity and all other stipulations and engagements.

#### **MANUFACTURER**

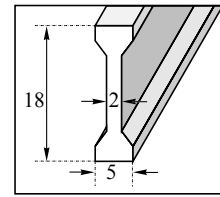
Verco-Versichele N.V.  
Karrewegstraat, 60 B- 9800 Deinze  
Tel +32 -(0)9 / 386 48 46  
Fax +32 -(0)9 / 386 83 63  
E-mail : [info@verco.eu](mailto:info@verco.eu)  
<http://www.verco.eu>

Models with bevels and cut-out edges can be made according to plan.



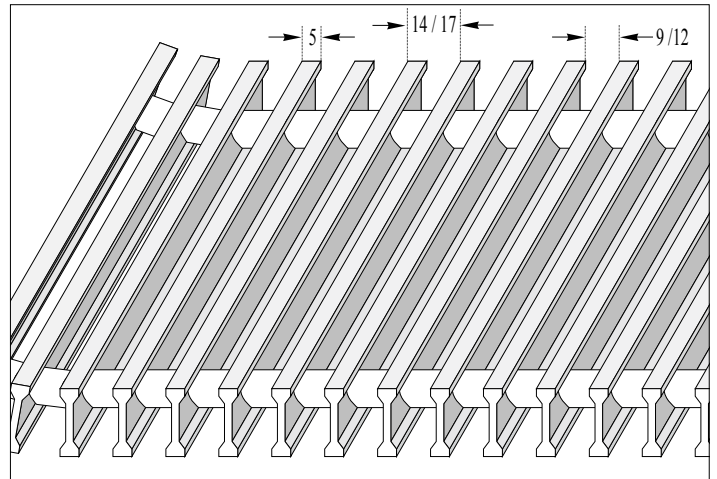
**ROLL GRILLE : Profile I 18 / 5 x 2 mm**

The roll grille is designed as a cover for trench units. It is available in free areas of 64% or 70%. The grille consists of anodised aluminium cross bars, connected with **sleeved spacers in PVC** in the same colour, all threaded onto parallel corrosion proof tensile springs.



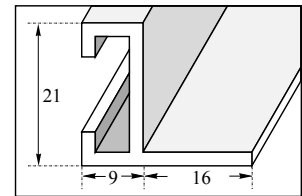
64% free area - bars set at spacing of 9 mm	
type	execution
R.941	aluminium natural anodised
R.942	aluminium brass anodised
R.943	aluminium bronze anodised
R.944	aluminium black anodised

70% free area - bars set at spacing of 12 mm	
type	execution
R.946	aluminium natural anodised
R.947	aluminium brass anodised
R.948	aluminium bronze anodised
R.949	aluminium black anodised

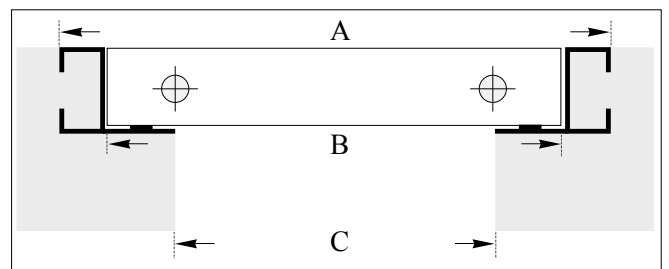


**FRAMES Type 83x : aluminium profile 21 x 25 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the "slide-in" 90° corner fixings. Additional "slide-in" straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised "build-in" cramps and corner fixings will keep the frame rigid and true.



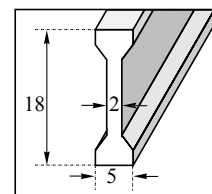
frame 21 x 25 x 9 x 3	
type	execution
R.831	aluminium natural anodised
R.832	aluminium brass anodised
R.833	aluminium bronze anodised
R.834	aluminium black anodised



DIMENSIONS with FRAME												
frame width A	mm	196	226	256	286	316	346	376	406	436	466	496
grille width B	mm	175	205	235	265	295	325	355	385	415	445	475
trench width C	mm	146	176	206	236	266	296	326	356	386	416	446
weight / rm type 941-944	kg	1,8	2,1	2,4	2,7	3,0	3,3	3,6	3,9	4,2	4,5	4,9
weight / rm type 946-949	kg	1,1	1,7	1,9	2,1	2,4	2,6	2,9	3,1	3,4	3,6	3,9
frame length	mm	trench length + 50										
grille length	mm	frame length - 20										

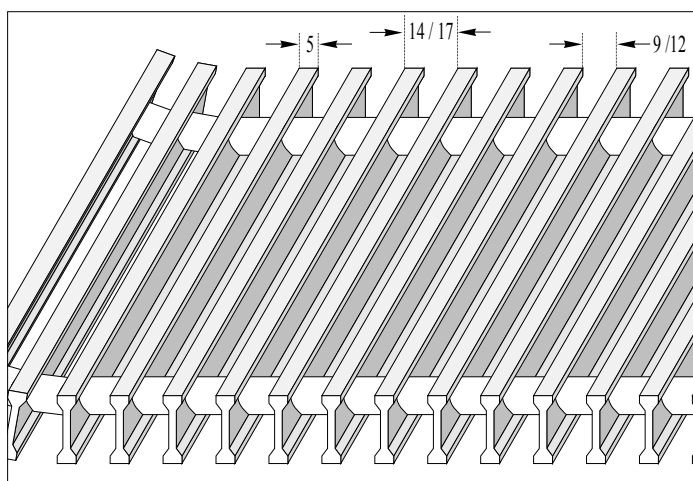
**ROLL GRILLE : Profile I 18 / 5 x 2 mm**

The roll grille is designed as a cover for trench units. It is available in free areas of 64% or 70%. The grille consists of anodised aluminium cross bars, connected with **sleeved spacers in anodised aluminium**, all threaded onto parallel corrosion proof tensile springs.



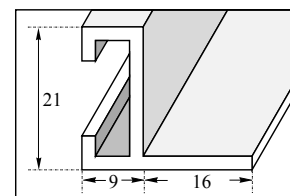
64% free area - bars set at spacing of 9 mm	
type	execution
R.931	aluminium natural anodised
R.932	aluminium brass anodised
R.933	aluminium bronze anodised
R.934	aluminium black anodised

70% free area - bars set at spacing of 12 mm	
type	execution
R.936	aluminium natural anodised
R.937	aluminium brass anodised
R.938	aluminium bronze anodised
R.939	aluminium black anodised

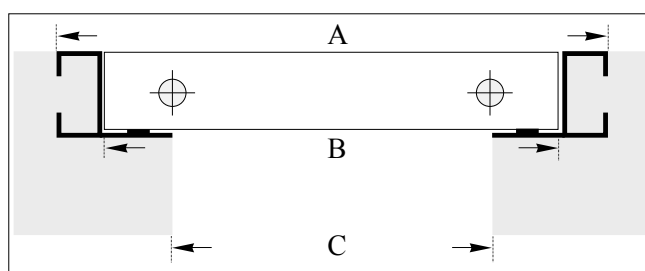


**FRAMES Type 83x : aluminium profile 21 x 25 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the “slide-in” 90° corner fixings. Additional “slide-in” straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised “build-in” cramps and corner fixings will keep the frame rigid and true.



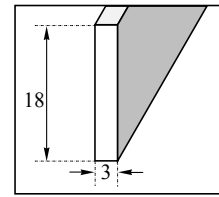
frame 21 x 25 x 9 x 3	
type	execution
R.831	aluminium natural anodised
R.832	aluminium brass anodised
R.833	aluminium bronze anodised
R.834	aluminium black anodised



DIMENSIONS with FRAME												
frame width A	mm	196	226	256	286	316	346	376	406	436	466	496
grille width B	mm	175	205	235	265	295	325	355	385	415	445	475
trench width C	mm	146	176	206	236	266	296	326	356	386	416	446
weight / rm type 931-934	kg	1,8	2,1	2,4	2,7	3,0	3,3	3,6	3,9	4,2	4,5	4,9
weight / rm type 936-939	kg	1,1	1,7	1,9	2,1	2,4	2,6	2,9	3,1	3,4	3,6	3,9
frame length	mm	trench length + 50										
grille length	mm	frame length - 20										

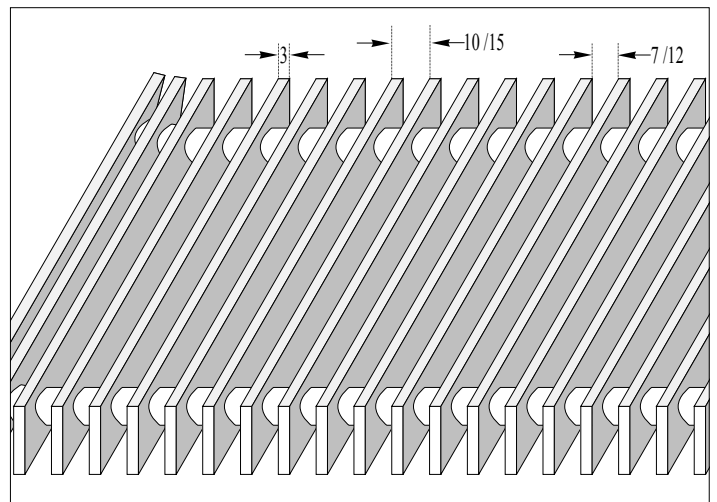
**ROLL GRILLE : Profile 18 x 3 mm**

The roll grille is designed as a cover for trench units. It is available in free areas of 70% or 80%. The grille consists of anodised aluminium cross bars, connected with sleeved spacers in PVC in the same colour, all threaded onto parallel corrosion proof tensile springs.



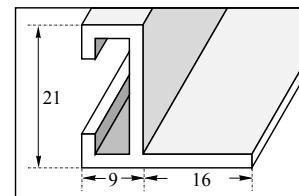
70% free area - bars set at spacing of 7 mm	
type	execution
R.921	aluminium natural anodised
R.922	aluminium brass anodised
R.923	aluminium bronze anodised
R.924	aluminium black anodised

80% free area - bars set at spacing of 12 mm	
type	execution
R.911	aluminium natural anodised
R.912	aluminium brass anodised
R.913	aluminium bronze anodised
R.914	aluminium black anodised

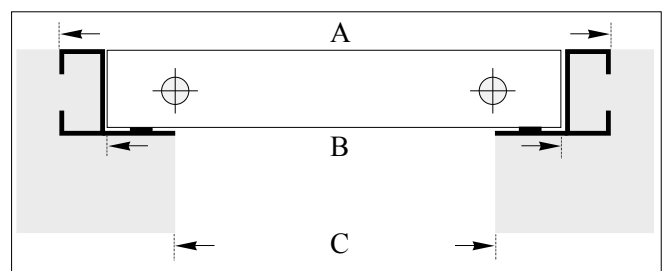


**FRAMES Type 83x : aluminium profile 21 x 25 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the "slide-in" 90° corner fixings. Additional "slide-in" straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised "build-in" cramps and corner fixings will keep the frame rigid and true.



frame 21 x 25 x 9 x 3	
type	execution
R.831	aluminium natural anodised
R.832	aluminium brass anodised
R.833	aluminium bronze anodised
R.834	aluminium black anodised



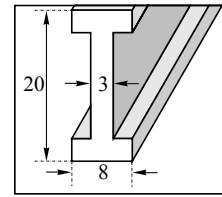
DIMENSIONS with FRAME												
frame width A	mm	196	226	256	286	316	346	376	406	436	466	496
grille width B	mm	175	205	235	265	295	325	355	385	415	445	475
trench width C	mm	146	176	206	236	266	296	326	356	386	416	446
weight / rm type 911-914	kg	1,7	2,0	2,3	2,6	2,9	3,2	3,5	3,8	4,1	4,4	4,6
weight / rm type 921-924	kg	2,6	3,0	3,4	3,9	4,3	4,7	5,2	5,6	6,1	6,5	6,9
frame length	mm	trench length + 50										
grille length	mm	frame length - 20										





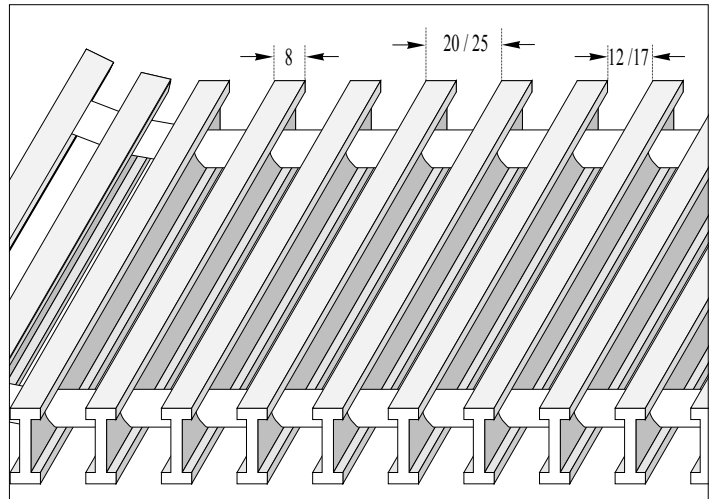
**ROLL GRILLE : Profile I 20 x 8 mm**

The roll grille is designed as a cover for trench units. It is available in free areas of 60% or 68%. The grille consists of anodised aluminium cross bars, connected with sleeved spacers in PVC in the same colour, all threaded onto parallel corrosion proof tensile springs.



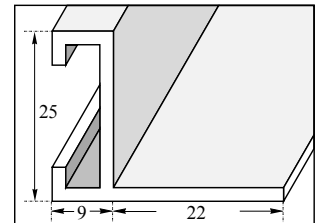
60% free area - bars set at spacing of 12 mm	
type	execution
R.706	aluminium natural anodised
R.707	aluminium brass anodised
R.708	aluminium bronze anodised
R.709	aluminium black anodised

68% free area - bars set at spacing of 17 mm	
type	execution
R.701	aluminium natural anodised
R.702	aluminium brass anodised
R.703	aluminium bronze anodised
R.704	aluminium black anodised

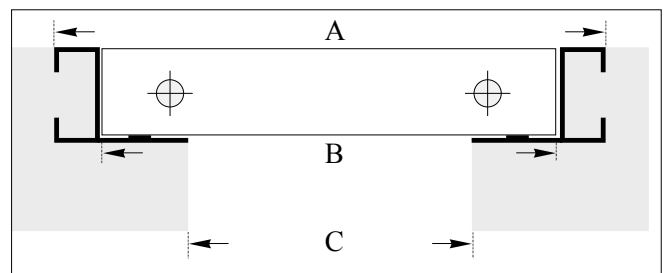


**FRAMES Type 80x : aluminium profile 25 x 31 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the "slide-in" 90° corner fixings. Additional "slide-in" straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised "build-in" cramps and corner fixings will keep the frame rigid and true.



frame 25 x 31 x 9 x 3	
type	execution
R.801	aluminium natural anodised
R.802	aluminium brass anodised
R.803	aluminium bronze anodised
R.804	aluminium black anodised

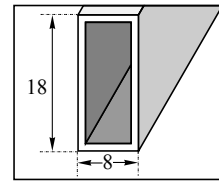


DIMENSIONS with FRAME												
frame width A	mm	262	312	362	392	412	462	512	562	612	662	762
grille width B	mm	240	290	340	370	390	440	490	540	590	640	740
trench width C	mm	200	250	300	330	350	400	450	500	550	600	700
weight / rm type 701-704	kg	2,4	2,9	3,4	3,7	3,9	4,4	4,9	5,4	5,9	6,4	7,4
weight / rm type 706-709	kg	3,0	3,6	4,3	4,6	4,9	5,5	6,1	6,8	7,4	8,0	9,3
frame length	mm	trench length + 62										
grille length	mm	frame length - 22										



**ROLL GRILLE : Profile 18 x 8 x 1 mm**

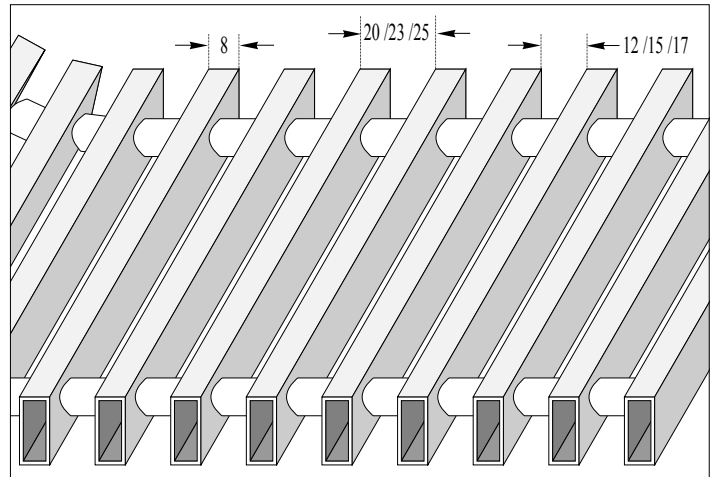
The roll grille, in **non-polished stainless steel**, is designed as a cover for trench units. It is available in free areas of 60%, 66% or 68%. The grille consists of non-polished stainless steel bars, connected with **sleeved spacers in grey or black PVC**, all threaded onto parallel corrosion proof tensile springs.



<b>60% free area</b> - bars set at spacing of 12 mm	
type	execution
R.301	grey sleeved spacers
R.302	black sleeved spacers

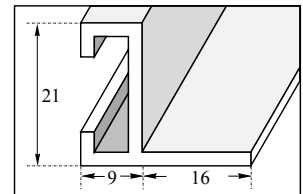
<b>66% free area</b> - bars set at spacing of 15 mm	
type	execution
R.304	grey sleeved spacers
R.305	black sleeved spacers

<b>68% free area</b> - bars set at spacing of 17 mm	
type	execution
R.307	grey sleeved spacers
R.308	black sleeved spacers

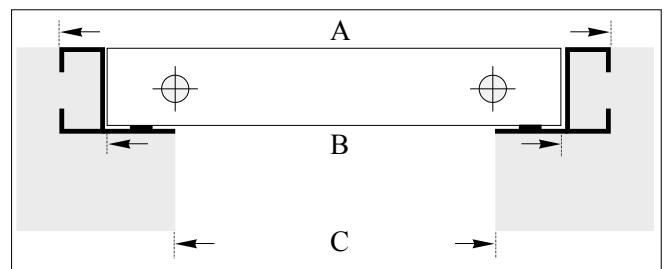


**FRAMES Type 83x : aluminium profile 21 x 25 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the “slide-in” 90° corner fixings. Additional “slide-in” straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised “build-in” cramps and corner fixings will keep the frame rigid and true.



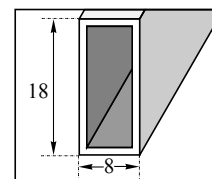
<b>frame 21 x 25 x 9 x 3</b>	
type	execution
R.831	aluminium natural anodised
R.834	aluminium black anodised



<b>DIMENSIONS with FRAME</b>												
frame width A	mm	196	226	256	286	316	346	376	406	436	466	496
grille width B	mm	175	205	235	265	295	325	355	385	415	445	475
trench width C	mm	146	176	206	236	266	296	326	356	386	416	446
weight / rm type 301-302	kg	4,2	4,8	5,5	6,1	6,7	7,6	8,2	8,9	9,8	10,4	11,0
weight / rm type 304-305	kg	3,8	4,3	4,9	5,4	6,0	6,8	7,4	7,9	8,8	9,3	9,9
weight / rm type 307-308	kg	3,5	4,0	4,5	5,0	5,5	6,3	6,8	7,3	8,1	8,6	9,1
frame length	mm	trench length + 50										
grille length	mm	frame length - 20										

**ROLL GRILLE : Profile 18 x 8 x 1 mm**

The roll grille, in **polished stainless steel with grain 320**, is designed as a cover for trench units. It is available in free areas of 60%, 66% or 68%. The grille consists of polished stainless steel cross bars, connected with **sleeved spacers in grey or black PVC or in polished stainless steel**, all threaded onto parallel corrosion proof tensile springs.



**60% free area - bars set at spacing of 12 mm**

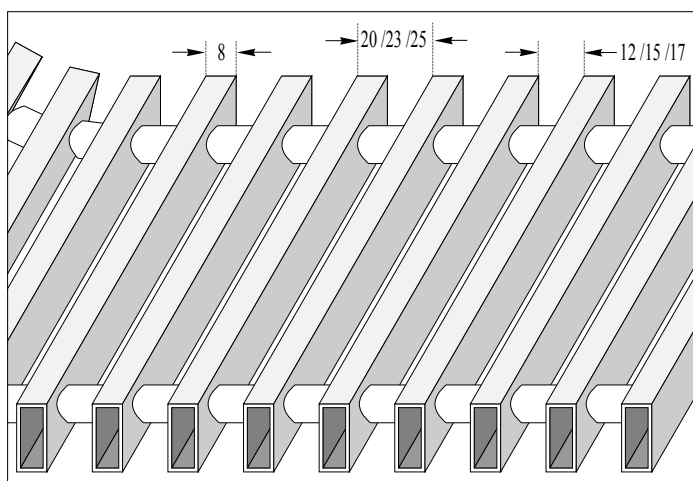
type	execution
R.331	grey sleeved spacers
R.332	black sleeved spacers
R.333	stainless steel sleeved spacers

**66% free area - bars set at spacing of 15 mm**

type	execution
R.334	grey sleeved spacers
R.335	black sleeved spacers
R.336	stainless steel sleeved spacers

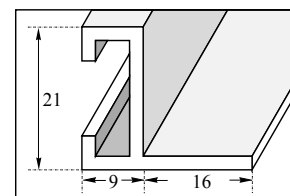
**68% free area - bars set at spacing of 17 mm**

type	execution
R.337	grey sleeved spacers
R.338	black sleeved spacers
R.339	stainless steel sleeved spacers



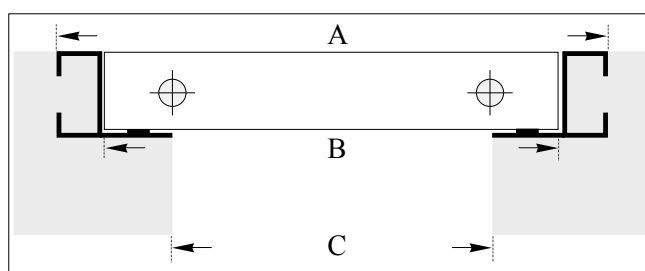
**FRAMES Type 83x : aluminium profile 21 x 25 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the “slide-in” 90° corner fixings. Additional “slide-in” straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised “build-in” cramps and corner fixings will keep the frame rigid and true.



**frame 21 x 25 x 9 x 3**

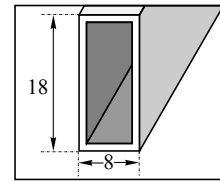
type	execution
R.831	aluminium natural anodised
R.834	aluminium black anodised



DIMENSIONS with FRAME												
frame width A	mm	196	226	256	286	316	346	376	406	436	466	496
grille width B	mm	175	205	235	265	295	325	355	385	415	445	475
trench width C	mm	146	176	206	236	266	296	326	356	386	416	446
weight / rm type 331-333	kg	4,2	4,8	5,5	6,1	6,7	7,6	8,2	8,9	9,8	10,4	11,0
weight / rm type 334-336	kg	3,8	4,3	4,9	5,4	6,0	6,8	7,4	7,9	8,8	9,3	9,9
weight / rm type 337-339	kg	3,5	4,0	4,5	5,0	5,5	6,3	6,8	7,3	8,1	8,6	9,1
frame length	mm	trench length + 50										
grille length	mm	frame length - 20										

**ROLL GRILLE : Profile 18 x 8 x 1 mm**

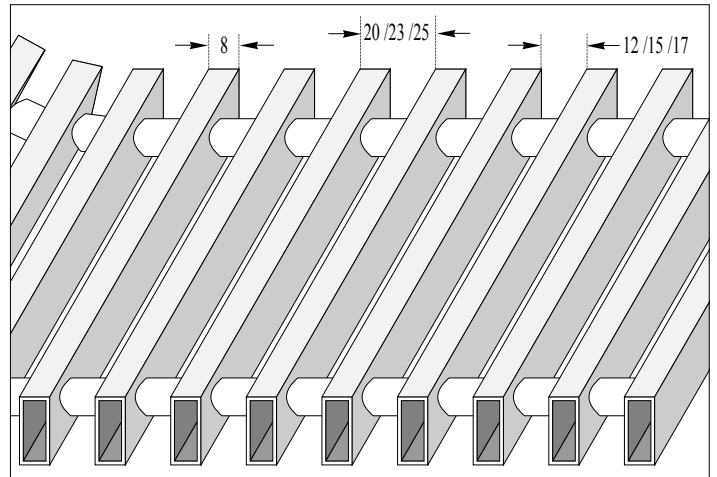
The roll grille in stainless steel with “mirror effect” is designed as a cover for trench units. It is available in free areas of 60%, 66% or 68%. The grille consists of stainless steel cross bars, connected with **sleeved spacers in stainless steel**, all threaded onto parallel corrosion proof tensile springs.



60% free area - bars set at spacing of 12 mm	
type	execution
R.363	stainless steel sleeved spacers

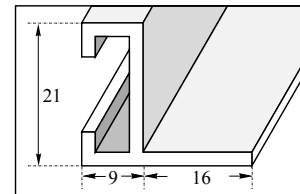
66% free area - bars set at spacing of 15 mm	
type	execution
R.366	stainless steel sleeved spacers

68% free area - bars set at spacing of 17 mm	
type	execution
R.369	stainless steel sleeved spacers

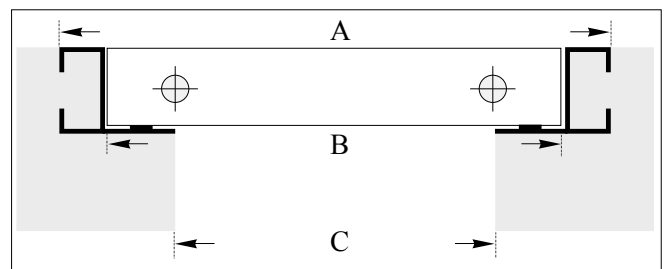


**FRAMES Type 83x : aluminium profile 21 x 25 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the “slide-in” 90° corner fixings. Additional “slide-in” straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised “build-in” cramps and corner fixings will keep the frame rigid and true.



frame 21 x 25 x 9 x 3	
type	execution
R.831	aluminium natural anodised
R.834	aluminium black anodised

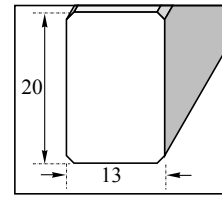


DIMENSIONS with FRAME												
frame width A	mm	196	226	256	286	316	346	376	406	436	466	496
grille width B	mm	175	205	235	265	295	325	355	385	415	445	475
trench width C	mm	146	176	206	236	266	296	326	356	386	416	446
weight / rm type 363	kg	4,2	4,8	5,5	6,1	6,7	7,6	8,2	8,9	9,8	10,4	11,0
weight / rm type 366	kg	3,8	4,3	4,9	5,4	6,0	6,8	7,4	7,9	8,8	9,3	9,9
weight / rm type 369	kg	3,5	4,0	4,5	5,0	5,5	6,3	6,8	7,3	8,1	8,6	9,1
frame length	mm	trench length + 50										
grille length	mm	frame length - 20										

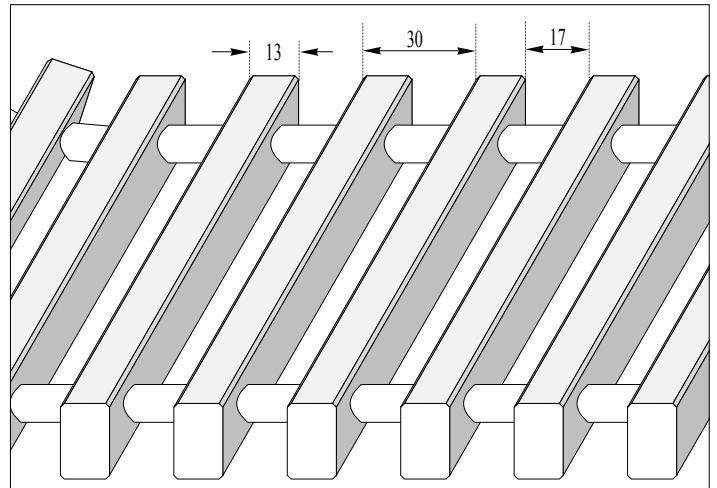


**ROLL GRILLE : Profile 20 x 13 mm**

The roll grille is designed as a cover for trench units. It is available in free areas of 60%. The grille consists of wooden cross bars, connected with sleeved spacers in PVC in grey, bronze or black, all threaded onto parallel corrosion proof tensile springs.

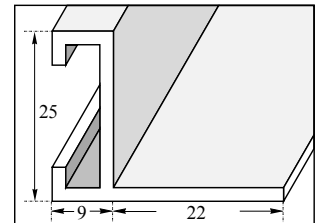


<b>60% free area - bars set at spacing of 17 mm</b>	
type	execution
R.710	oak with grey sleeved spacers
R.711	pine with grey sleeved spacers
R.712	beech with grey sleeved spacers
R.713	beech with aluminium sleeved spacers
<b>60% free area - bars set at spacing of 17 mm</b>	
type	execution
R.714	oak with bronze sleeved spacers
R.715	pine with bronze sleeved spacers
R.716	beech with bronze sleeved spacers
<b>60% free area - bars set at spacing of 17 mm</b>	
type	execution
R.717	oak with black sleeved spacers
R.718	pine with black sleeved spacers
R.719	beech with black sleeved spacers

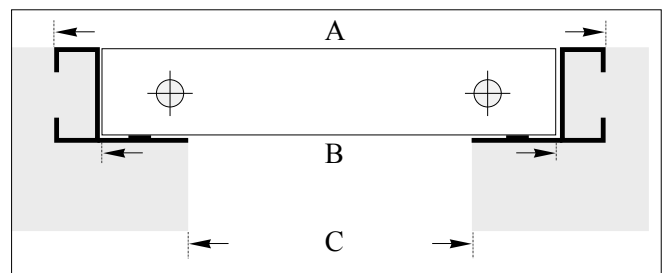


**FRAMES Type 80x : aluminium profile 25 x 31 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the "slide-in" 90° corner fixings. Additional "slide-in" straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised "build-in" cramps and corner fixings will keep the frame rigid and true.

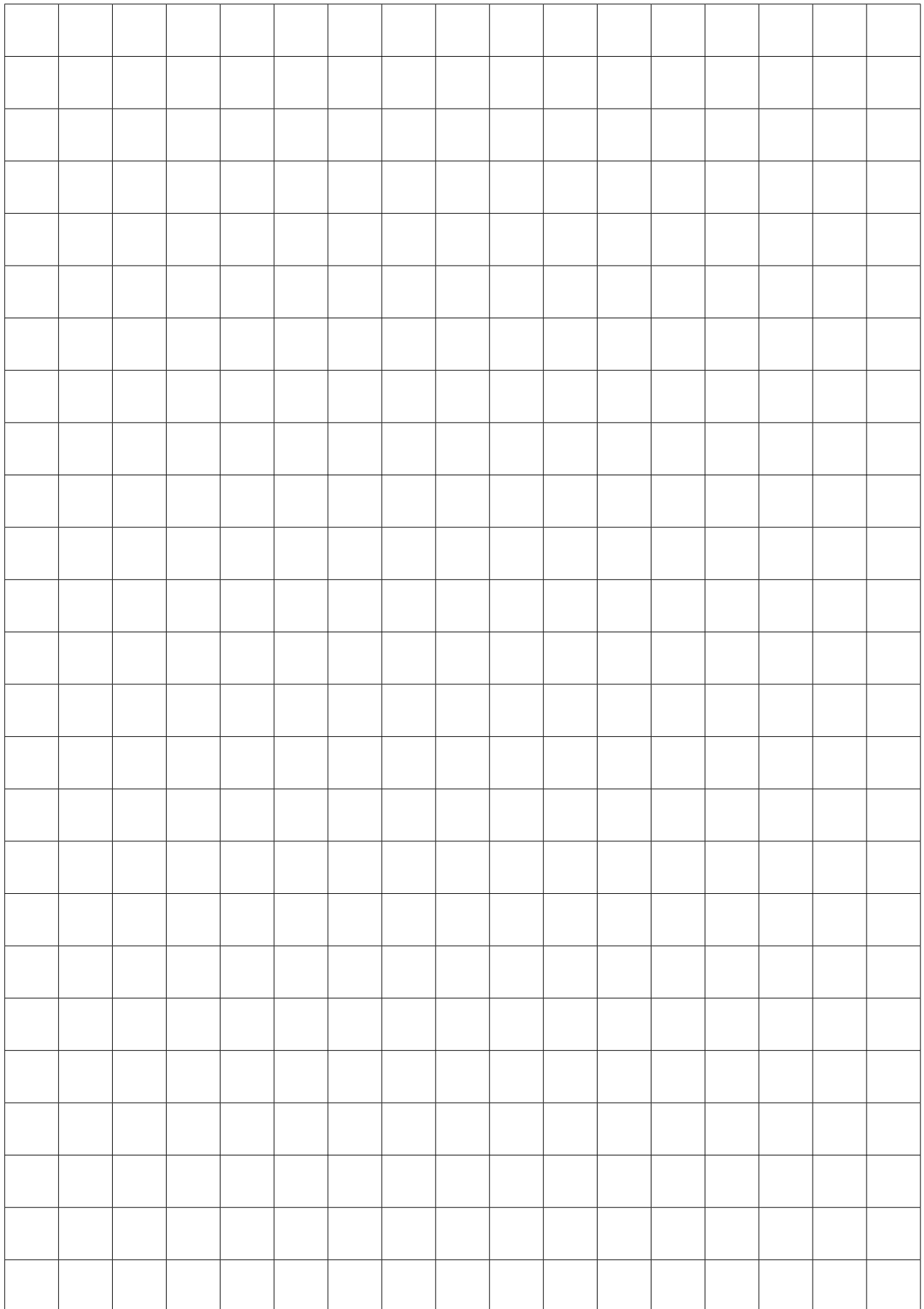


<b>frame 25 x 31 x 9 x 3</b>	
type	execution
R.801	aluminium natural anodised
R.803	aluminium bronze anodised
R.804	aluminium black anodised



MAATOPGAVEN met VLOERKADER							
frame width A	mm	262	312	362	392	412	462
grille width B	mm	240	290	340	370	390	440*
trench width C	mm	200	250	300	330	350	400
weight / rm type 710-719	kg	2,0	2,4	2,8	3,1	3,2	3,6
frame length	mm	trench length + 62					
grille length	mm	frame length -22					

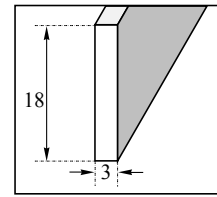
\* maximum grille width





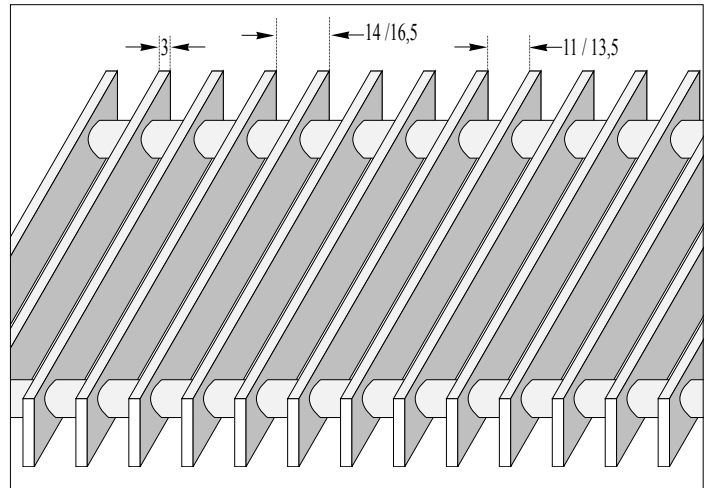
**FIXED GRILLE : Profile 18 x 3 mm**

The fixed grille is designed as a cover for trench units. It is available in free areas of 78% or 81%. The grille consists of sections of maximum 1000 mm.



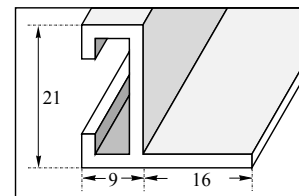
78% free area - bars set at spacing of 11 mm	
type	execution
R.511	aluminium natural anodised
R.512	aluminium brass anodised
R.513	aluminium bronze anodised
R.514	aluminium black anodised

81% free area - bars set at spacing of 13,5 mm	
type	execution
R.501	aluminium natural anodised
R.502	aluminium brass anodised
R.503	aluminium bronze anodised
R.504	aluminium black anodised

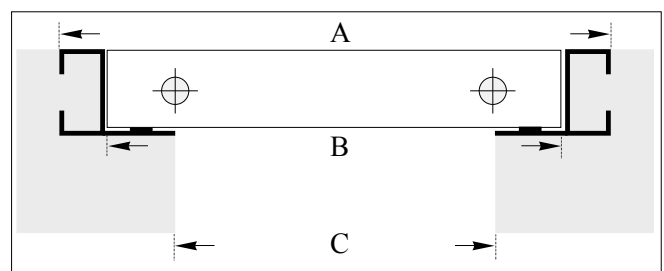


**FRAMES Type 83x : aluminium profile 21 x 25 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the “slide-in” 90° corner fixings. Additional “slide-in” straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised “build-in” cramps and corner fixings will keep the frame rigid and true.



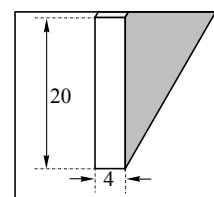
frame 21 x 25 x 9 x 3	
type	execution
R.831	aluminium natural anodised
R.832	aluminium brass anodised
R.833	aluminium bronze anodised
R.834	aluminium black anodised



DIMENSIONS with FRAME									
frame width A	mm	196	226	256	286	316	346	376	406
grille width B	mm	175	205	235	265	295	325	355	385
trench width C	mm	146	176	206	236	266	296	326	356
weight / rm type 501-504	kg	1,7	1,9	2,2	2,5	2,7	3,1	3,3	3,6
weight / rm type 511-514	kg	2,0	2,3	2,6	2,9	3,2	3,6	3,9	4,2
frame length	mm	trench length + 50							
grille length	mm	frame length - 20							

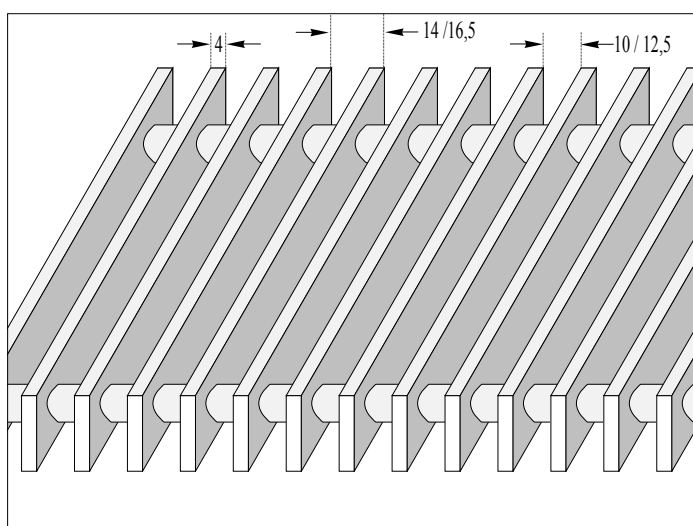
**FIXED GRILLE : Profile 18 x 3 mm**

The fixed grille is designed as a cover for trench units. It is available in free areas of 70% or 75%. The grille consists of sections of maximum 1000 mm.



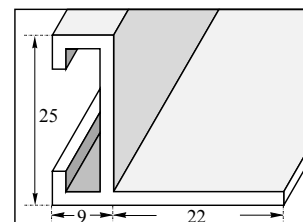
70% free area - bars set at spacing of 10 mm	
type	execution
R.611	aluminium natural anodised
R.612	aluminium brass anodised
R.613	aluminium bronze anodised
R.614	aluminium black anodised

75% free area - bars set at spacing of 12,5 mm	
type	execution
R.601	aluminium natural anodised
R.602	aluminium brass anodised
R.603	aluminium bronze anodised
R.604	aluminium black anodised

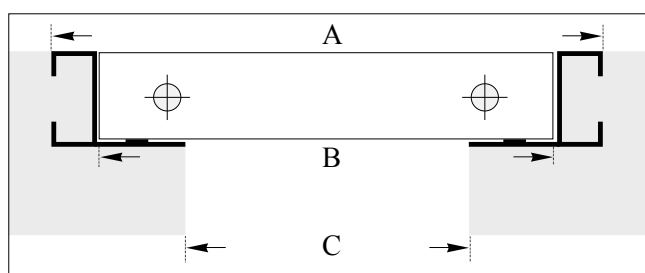


**FRAMES Type 80x : aluminium profile 25 x 31 x 9 x 3 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the "slide-in" 90° corner fixings. Additional "slide-in" straight connectors are provided for joining frame lengths which exceed 3 metres. During installation the frame width distance holders together with galvanised "build-in" cramps and corner fixings will keep the frame rigid and true.



frame 25 x 31 x 9 x 3	
type	execution
R.801	aluminium natural anodised
R.802	aluminium brass anodised
R.803	aluminium bronze anodised
R.804	aluminium black anodised



DIMENSIONS with FRAME												
frame width A	mm	262	312	362	392	412	462	512	562	612	662	762
grille width B	mm	240	290	340	370	390	440	490	540	590	640	740
trench width C	mm	200	250	300	330	350	400	450	500	550	600	700
weight / rm type 601-604	kg	3,2	3,8	4,5	4,9	5,1	5,8	6,5	7,1	7,8	8,4	9,8
weight / rm type 611-614	kg	3,7	4,4	5,2	5,7	6,0	6,7	7,5	8,3	9,0	9,8	11,3
frame length	mm	trench length + 62										
grille length	mm	frame length - 22										

**LINEAR GRILLE : Profile 18 x 7/ 4 mm**

The linear grille is designed as a cover for trench units.

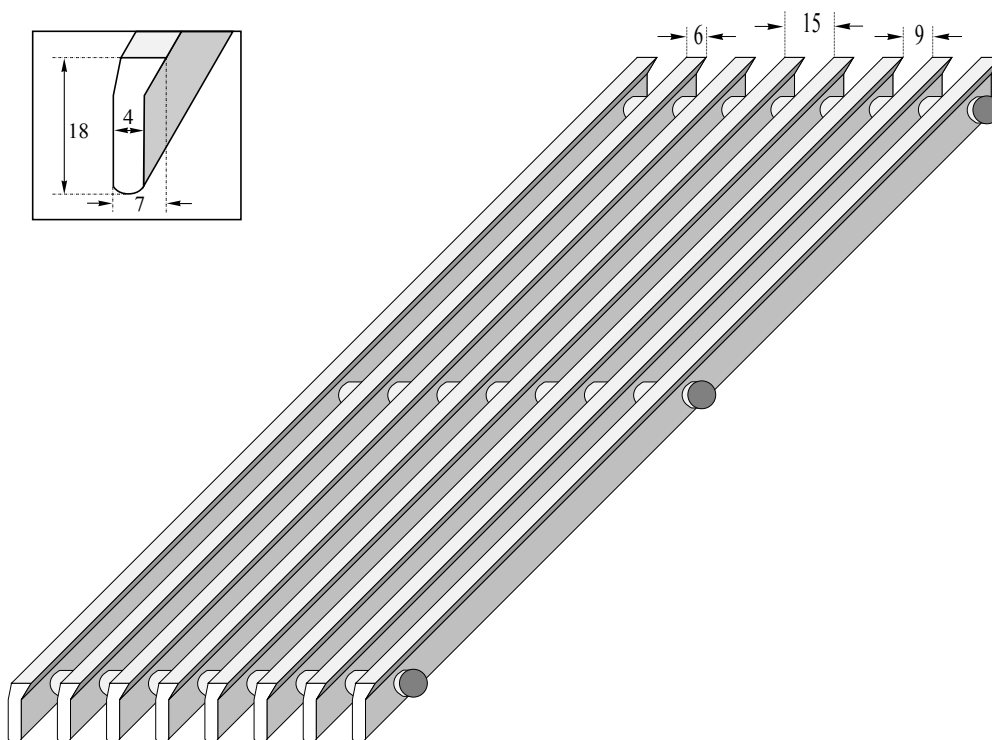
They are not sold separately, but only in combination with a compact floor trench convector or a floor trench unit in steel. The supports in the trenches ensure the stability of the grille.

The grilles are available in a free area of 60%. The bars have an inclination of 15°. They are crimp-fixed on to aluminium support spacer tubes, thus guaranteeing also the distance between the bars.

The maximum single section length is 3000 mm.

60% free area - step of bars of 15 mm	
type	execution
R.951	aluminium natural anodised
R.952	aluminium brass anodised
R.953	aluminium bronze anodised
R.954	aluminium black anodised

DIMENSIONS							
grille width	mm	175	220	250	280	325	355
number of bars		12	15	17	19	22	24
weight / rm type 951-954	kg	2,4	3,0	3,4	3,8	4,4	4,8



**LINEAR GRILLE : Profile 18 x 5/ 3 mm**

The linear grille is designed as a cover for trench units.

They are not sold separately, but only in combination with a compact floor trench convector or a floor trench unit in steel. The supports in the trenches ensure the stability of the grille.

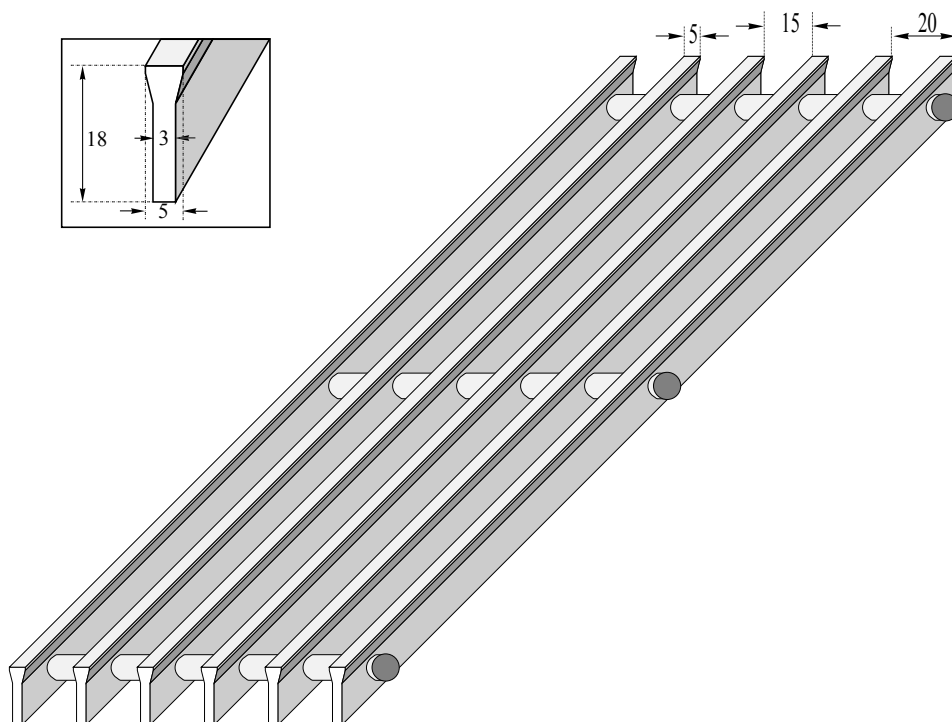
The grilles are available in a free area of 75%. They are crimp-fixed on to aluminium support spacer tubes, thus guaranteeing also the distance between the bars.

The maximum single section length is 3000 mm.

**75% free area** - bars set at spacing of 15 mm

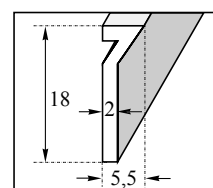
type	execution
R.981	aluminium natural anodised
R.982	aluminium brass anodised
R.983	aluminium bronze anodised
R.984	aluminium black anodised

DIMENSIONS							
grille width	mm	175	220	250	280	325	355
number of bars		9	11	13	14	16	18
weight / rm type 981-984	kg	1,5	1,8	2,2	2,3	2,8	3,0



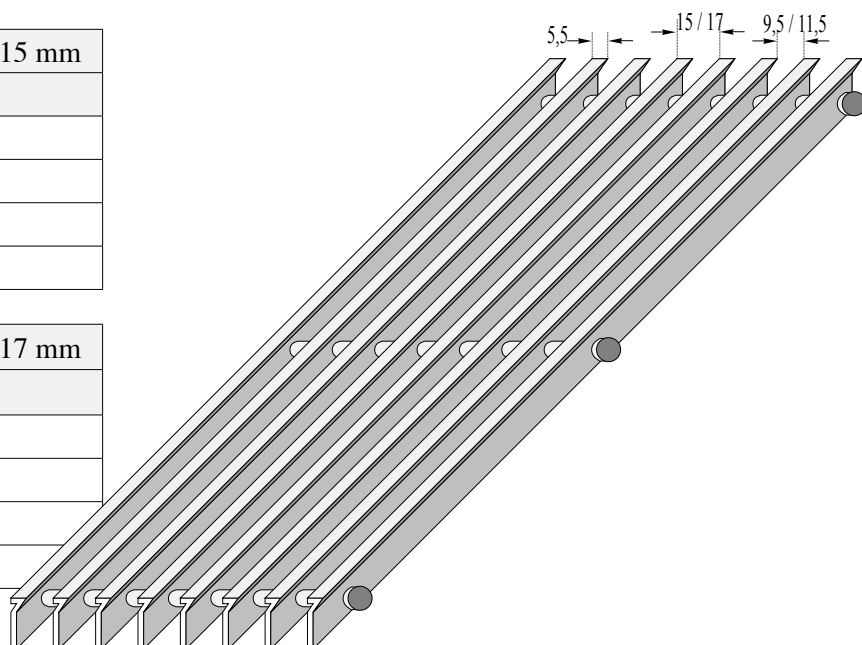
**LINEAR GRILLE : Profile 18 x 5,5 / 2 mm**

The linear grille is suited for window-sill build-in only! **Not for floor trench units.** The grilles are available in free areas of 64% and 68%. The bars have an inclination of 15°. They are crimp-fixed on to aluminium support spacer tubes, thus guaranteeing also the distance between the bars. The maximum single section length is 3000 mm.



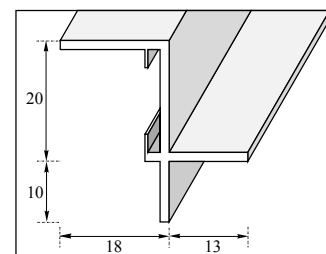
64% free area - bars set at spacing of 15 mm	
type	execution
R.961	aluminium natural anodised
R.962	aluminium brass anodised
R.963	aluminium bronze anodised
R.964	aluminium black anodised

68% free area - bars set at spacing of 17 mm	
type	execution
R.966	aluminium natural anodised
R.967	aluminium brass anodised
R.968	aluminium bronze anodised
R.969	aluminium black anodised

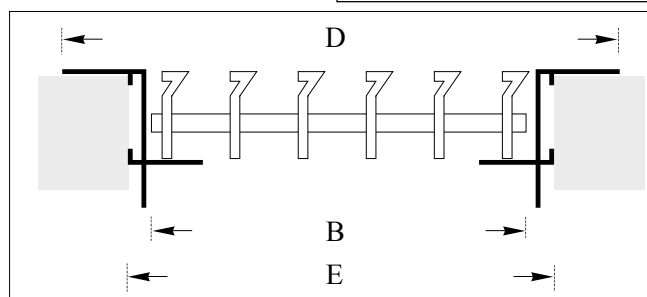


**FRAMES Type 86x : aluminium profile 18 x 30 x 13 x 1,5 mm**

For easy transportation, the frames are packed loose for assembly on site. The frame ends are connected to the frame lengths by the “slide-in” 90° corner fixings. Additional “slide-in” straight connectors are provided for joining frame lengths which exceed 3 metres. The underside of the frame has a lipped profile, where a flexible connection can be attached to.



shelf frame 18 x 30 x 13 x 1,5	
type	execution
R.861	aluminium natural anodised
R.862	aluminium brass anodised
R.863	aluminium bronze anodised
R.864	aluminium black anodised



MAATOPGAVEN met TABLETKADER												
frame width D	mm	124	139	154	169	184	199	214	229	244	259	274
grille width B	mm	85	100	115	130	145	160	175	190	205	220	235
opening width E	mm	105	120	135	150	165	180	195	210	225	240	255
number of bars type 961-964		6	7	8	9	10	11	12	13	14	15	16
number of bars type 966-969		5	6	7	8	9	10	11	11	12	13	14
weight / rm type 961-964	kg	0,6	0,7	0,8	0,9	1,0	1,2	1,3	1,4	1,5	1,6	1,7
weight / rm type 966-969	kg	0,5	0,6	0,7	0,8	0,9	1,0	1,2	1,2	1,3	1,4	1,5
frame length	mm	length shelf opening +20										
grille length	mm	length frame -39										



**LINEAR-ROLL GRILLE : Profile 18 x 8 x 1 mm**

The linear-roll grille, in **non-polished stainless steel**, is designed as a cover for trench units.

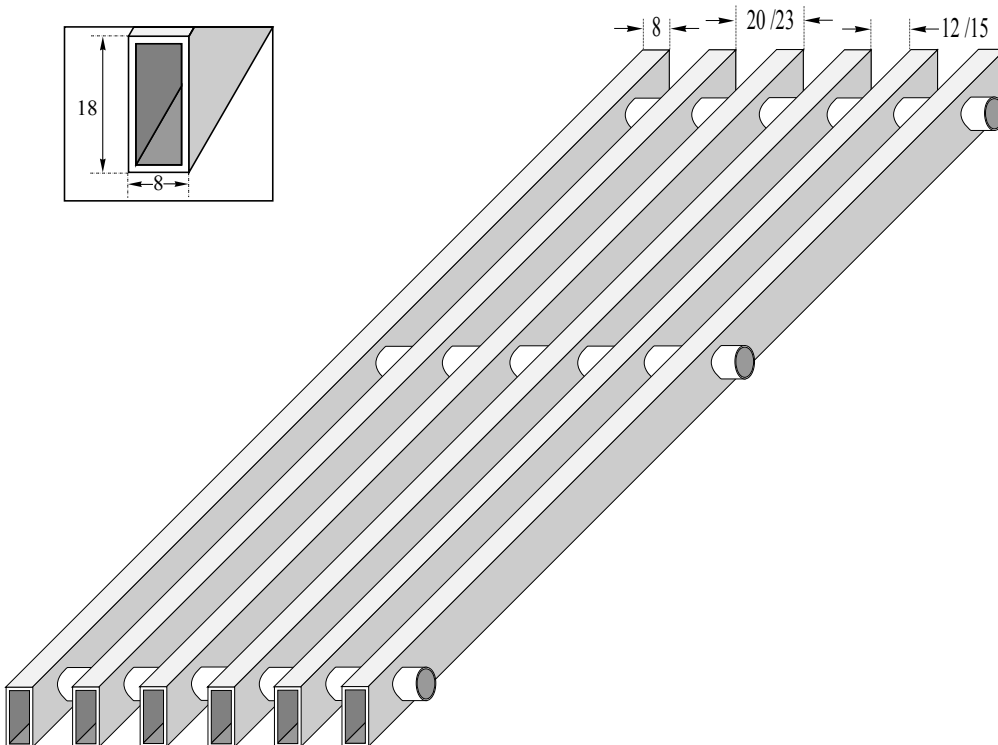
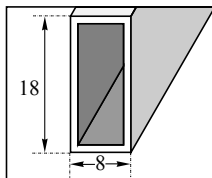
They are not sold separately, but only in combination with a compact floor trench convector or a floor trench unit in steel. The supports in the trenches ensure the stability of the grille.

The grilles are available in a free area of 60% or 66%. The grille consists of non-polished stainless steel bars, connected with **sleeved spacers in grey or black PVC**, all threaded onto parallel corrosion proof tensile springs. The maximum single section length is 3000 mm.

60% free area - step of bars of 20 mm	
type	execution
R.401	grey sleeved spacers
R.402	black sleeved spacers

66% free area - step of bars of 23 mm	
type	execution
R.404	grey sleeved spacers
R.405	black sleeved spacers

DIMENSIONS							
grille width	mm	175	220	250	280	325	355
number of bars type 401-402		9	11	12	14	16	18
number of bars type 404-405		8	10	11	12	14	15
weight / rm type 401-402	kg	4,2	5,2	5,7	6,6	7,5	8,5
weight / rm type 404-405	kg	3,9	4,9	5,4	5,9	6,9	7,4



**LINEAR-ROLL GRILLE : Profile 18 x 8 x 1 mm**

The linear-roll grille, in **polished stainless steel with grain 320**, is designed as a cover for trench units.

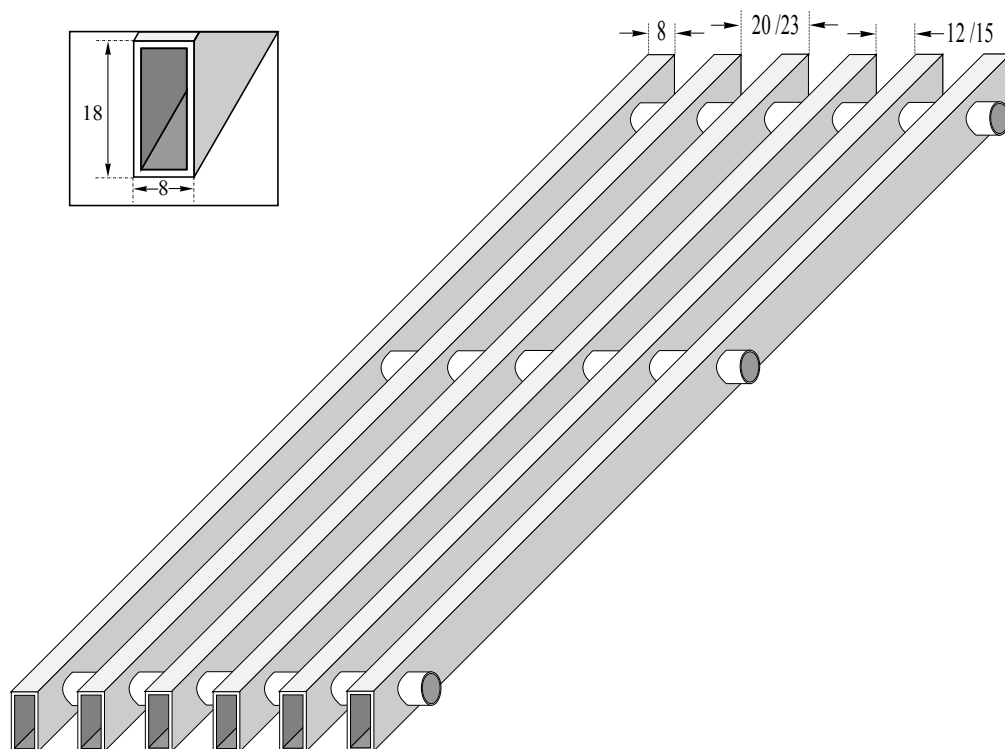
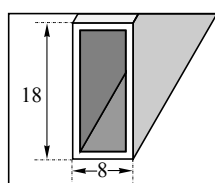
They are not sold separately, but only in combination with a compact floor trench convector or a floor trench unit in steel. The supports in the trenches ensure the stability of the grille.

The grilles are available in a free area of 60% or 66%. The grille consists of non-polished stainless steel bars, connected with **sleeved spacers in grey or black PVC or in polished stainless steel**, all threaded onto parallel corrosion proof tensile springs. The maximum single section length is 3000 mm.

60% free area - step of bars of 20 mm	
type	execution
R.431	grey sleeved spacers
R.432	black sleeved spacers
R.433	stainless steel sleeved spacers

66% free area - step of bars of 23 mm	
type	execution
R.434	grey sleeved spacers
R.435	black sleeved spacers
R.436	stainless steel sleeved spacers

DIMENSIONS							
grille width	mm	175	220	250	280	325	355
number of bars type 431-433		9	11	12	14	16	18
number of bars type 434-436		8	10	11	12	14	15
weight / rm type 431-433	kg	4,2	5,2	5,7	6,6	7,5	8,5
weight / rm type 434-436	kg	3,9	4,9	5,4	5,9	6,9	7,4





**LINEAR-ROLL GRILLE : Profile 18 x 8 x 1 mm**

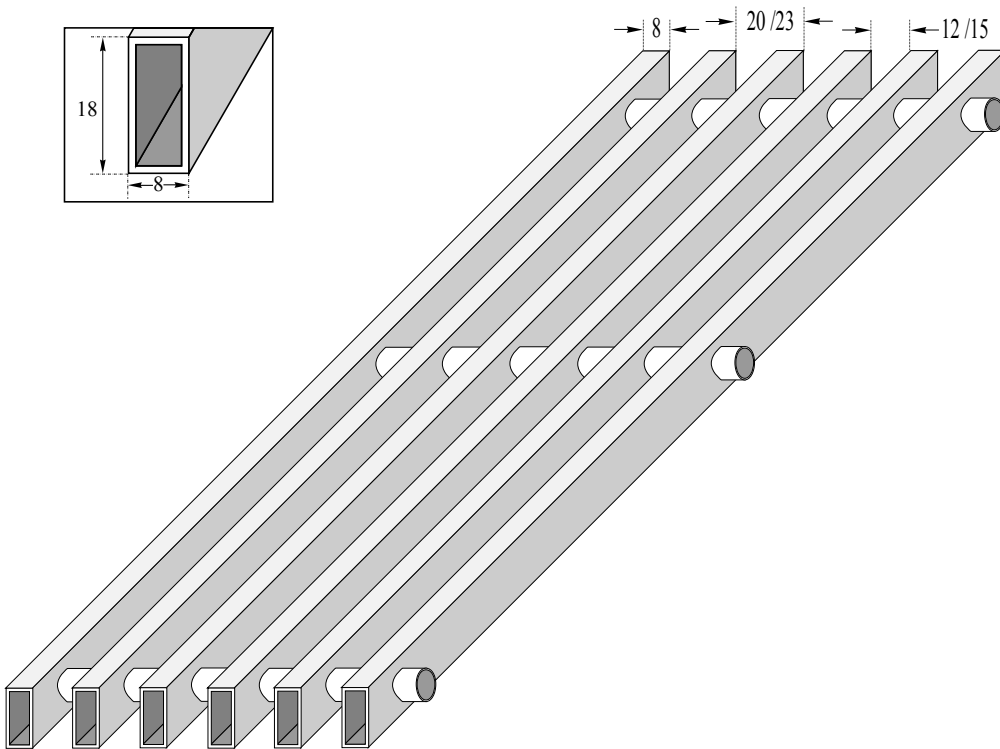
The linear-roll grille, in **stainless steel with “mirror effect”**, is designed as a cover for trench units. They are not sold separately, but only in combination with a compact floor trench convector or a floor trench unit in steel. The supports in the trenches ensure the stability of the grille.

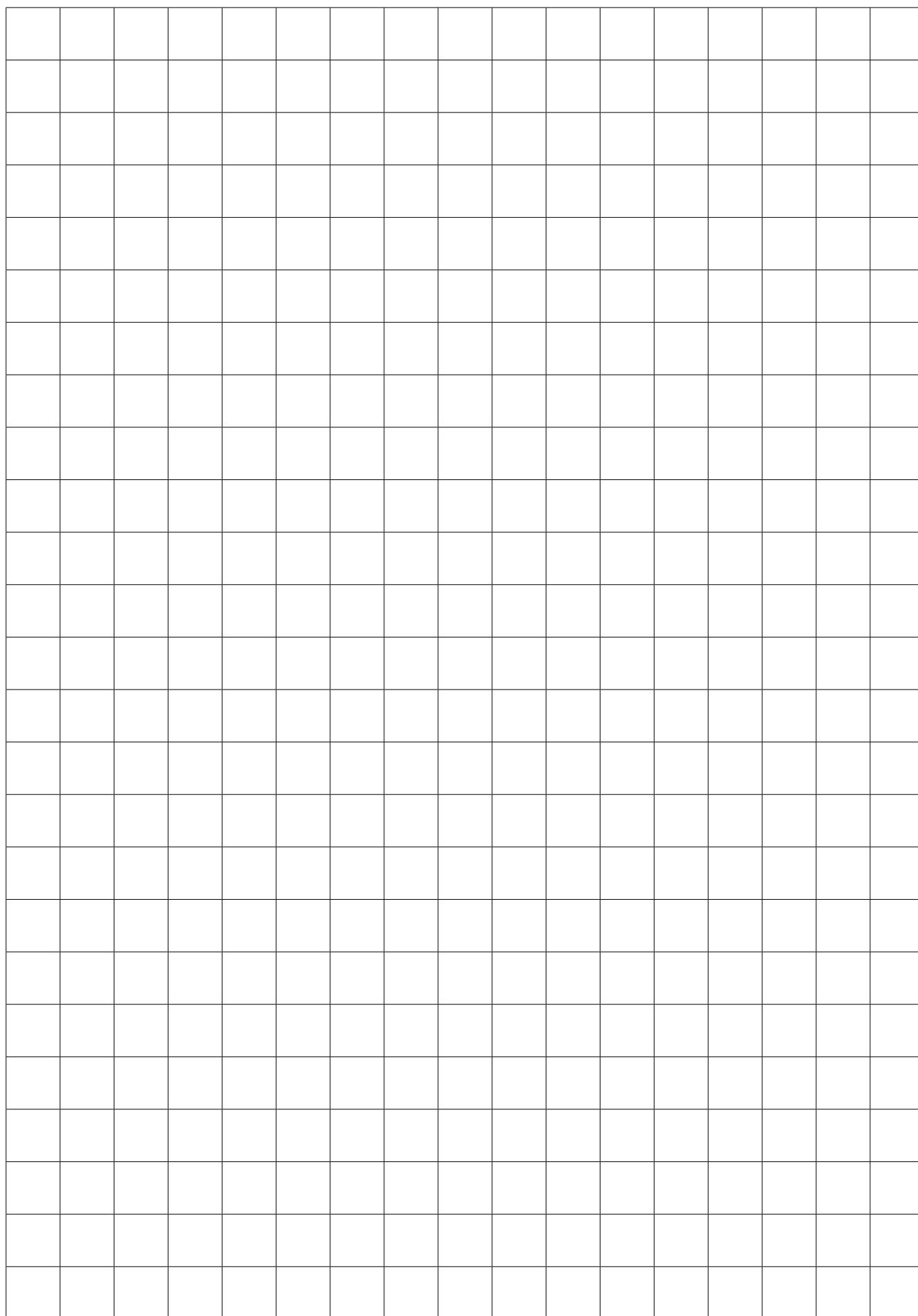
The grilles are available in a free area of 60% or 66%. The grille consists of non-polished stainless steel bars, connected with **sleeved spacers in stainless steel**, all threaded onto parallel corrosion proof tensile springs. The maximum single section length is 3000 mm.

60% free area - step of bars of 20 mm	
type	execution
R.463	stainless steel sleeved spacers

66% free area - step of bars of 23 mm	
type	execution
R.466	stainless steel sleeved spacers

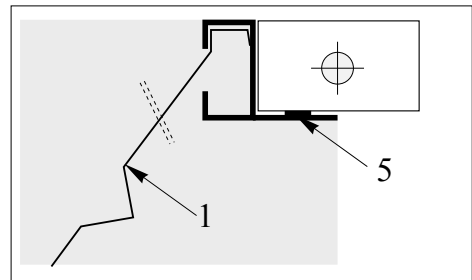
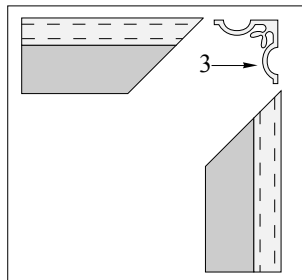
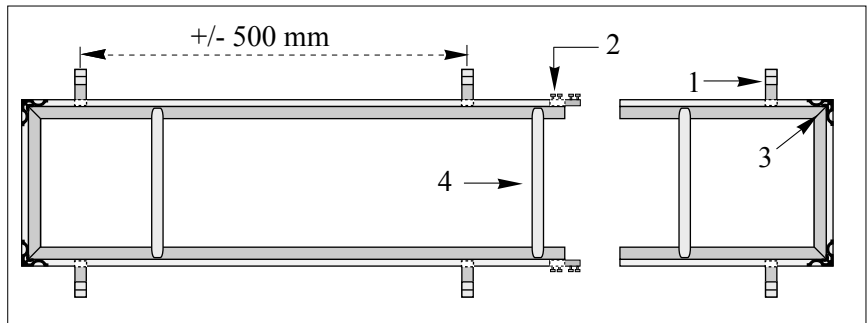
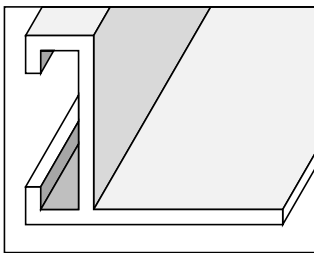
DIMENSIONS							
grille width	mm	175	220	250	280	325	355
number of bars type 463		9	11	12	14	16	18
number of bars type 466		8	10	11	12	14	15
weight / rm type 463	kg	4,2	5,2	5,7	6,6	7,5	8,5
weight / rm type 466	kg	3,9	4,9	5,4	5,9	6,9	7,4





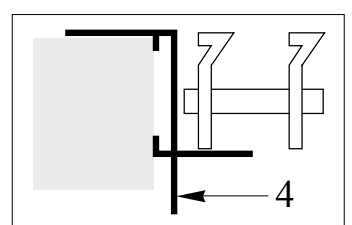
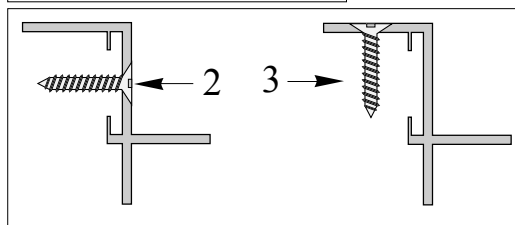
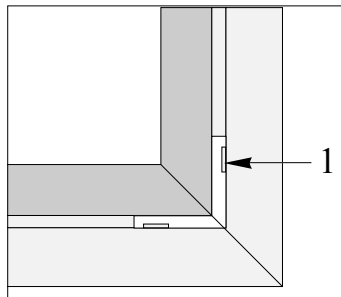
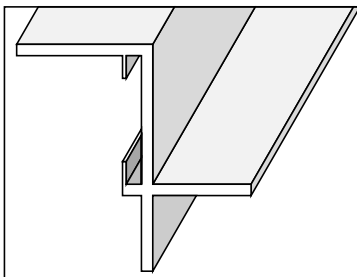
**FLOOR FRAME**

- 1/ The galvanised cramps (n°1) are slid into the back flange of the frame lateral sections at an interval of approximately 500 mm.
- 2/ For frame lengths exceeding 3 m, consisting of several parts, these lateral sections are screwed together with connectors (n°2).
- 3/ The frame ends are connected to the frame lengths by “slide-in” 90° corner fixings (n°3).
- 4/ The frame width spacer pieces (n°4) are positioned into the frame to keep it rigid. They are removed when the frame has been built in and prior to the mounting of the grille.
- 5/ The self adhered foam bedding strip (n°5) should be firmly applied to the horizontal web of the frame prior to the mounting of the grille so that metal to metal contact is prevented.
- 6/ Important : the frame must be levelled with the finished floor.

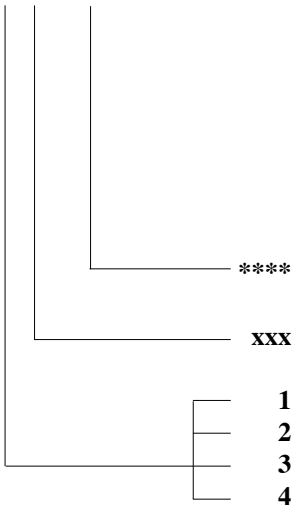
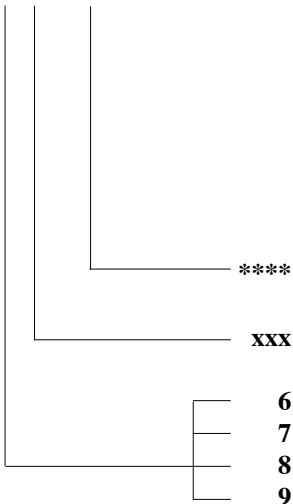
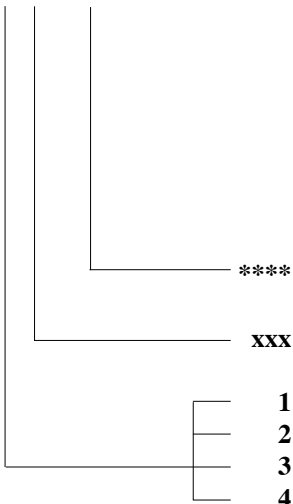


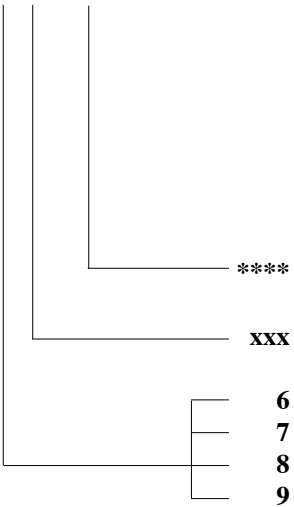
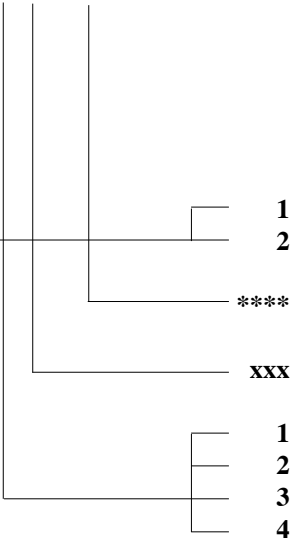
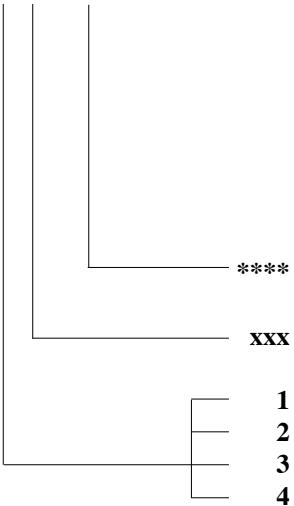
**SHELF FRAMES**

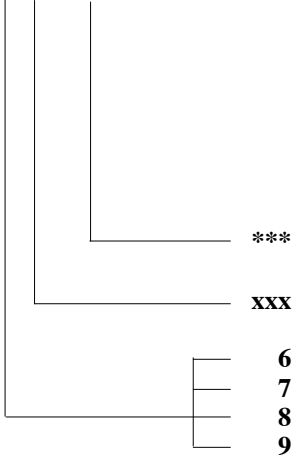
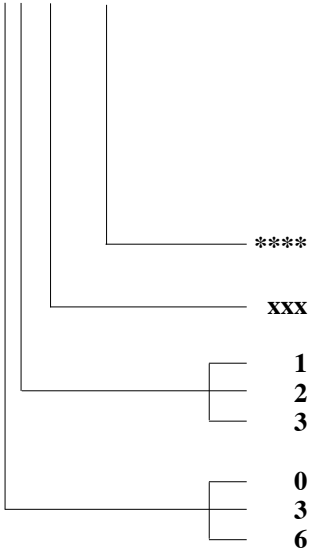
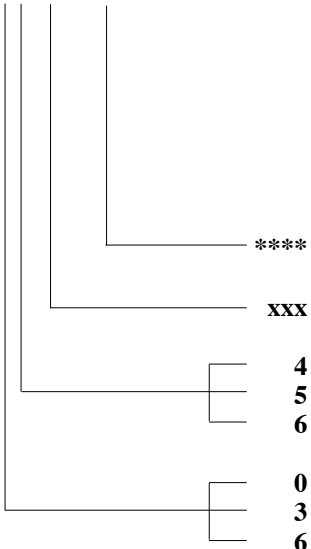
- 1/ The frame headers are attached to the side lengths by 90° corner fixings (n°1). The fixings are pushed into the base of the frame profile.
- 2/ The frame can be screwed either laterally (n°2), or screwed to the shelf from above (n°3).
- 3/ The frame is suited for linear grilles or roll grilles of 18 mm bar height.
- 4/ The underside of the frame has a lipped profile (n°4) as a possible connection for flexible connection.





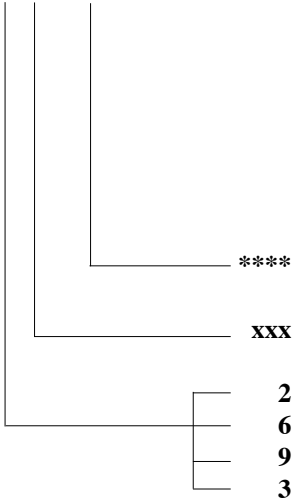
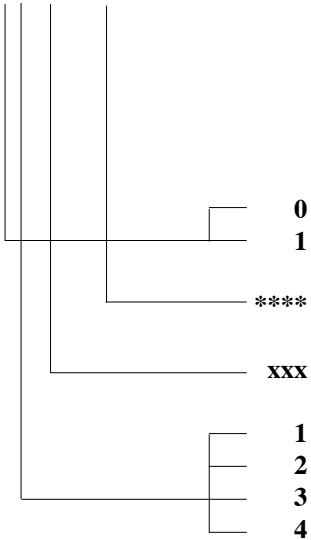
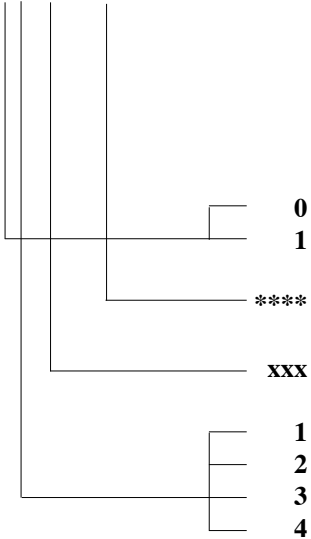
<p><b>R.941.xxx.****</b></p>  <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>1 natural anodised 2 brass anodised 3 bronze anodised 4 black anodised</p>	<p>roll grille</p> <p>in anodised aluminium, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC.</p> <p>profile : 18 /5 x 2 mm bars set at spacing of : 9 mm - 64 % free area</p>
<p><b>R.946.xxx.****</b></p>  <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>6 natural anodised 7 brass anodised 8 bronze anodised 9 black anodised</p>	<p>roll grille</p> <p>in anodised aluminium, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC.</p> <p>profile : 18 /5 x 2 mm bars set at spacing of : 12 mm - 70 % free area</p>
<p><b>R.931.xxx.****</b></p>  <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>1 natural anodised 2 brass anodised 3 bronze anodised 4 black anodised</p>	<p>roll grille</p> <p>in anodised aluminium, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in anodised aluminium.</p> <p>profile : 18 /5 x 2 mm bars set at spacing of : 9 mm - 64 % free area</p>

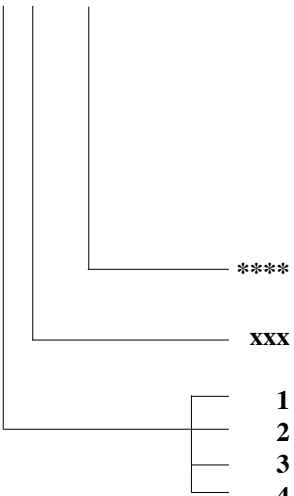
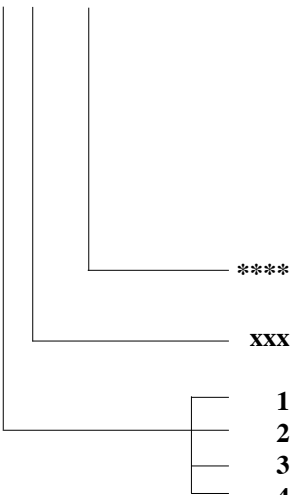
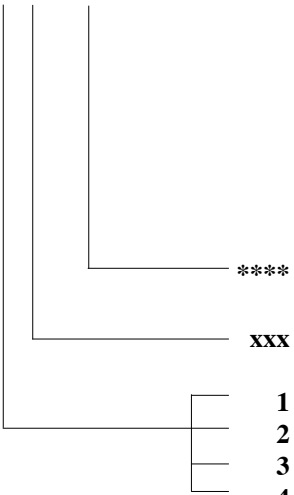
<p><b>R.936.xxx.****</b></p>  <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>6 natural anodised 7 brass anodised 8 bronze anodised 9 black anodised</p>	<p>roll grille</p> <p>in anodised aluminium, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in anodised aluminium.</p> <p>profile : 18 /5 x 2 mm bars set at spacing of : 12 mm - 70 % free area</p>
<p><b>R.911.xxx.****</b></p>  <p>1 bars set at spacing of : 12 mm - 80 % free area 2 bars set at spacing of : 7 mm - 70 % free area</p> <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>1 natural anodised 2 brass anodised 3 bronze anodised 4 black anodised</p>	<p>roll grille</p> <p>in anodised aluminium, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC.</p> <p>profile : 18 x 3 mm</p>
<p><b>R.701.xxx.****</b></p>  <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>1 natural anodised 2 brass anodised 3 bronze anodised 4 black anodised</p>	<p>roll grille</p> <p>in anodised aluminium, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC.</p> <p>profile : I 20 x 8 mm bars set at spacing of : 17 mm - 68 % free area</p>

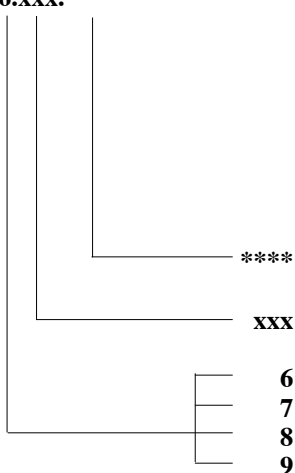
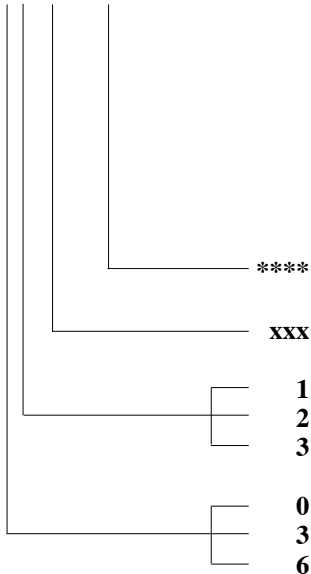
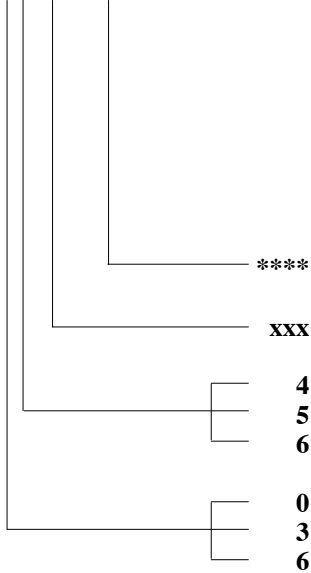
<p><b>R.706.xxx.****</b></p>  <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>6 natural anodised 7 brass anodised 8 bronze anodised 9 black anodised</p>	<p>roll grille</p> <p>in anodised aluminium, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC.</p> <p>profile : I 20 x 8 mm bars set at spacing of : 12 mm - 60 % free area</p>
<p><b>R.301.xxx.****</b></p>  <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>1 grey sleeved spacers in PVC 2 black sleeved spacers in PVC 3 sleeved spacers in stainless steel</p> <p>0 non-polished stainless steel 3 polished, with grain 320, stainless steel 6 stainless steel with "mirror-effect"</p>	<p>roll grille</p> <p>in stainless steel V2A, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC or stainless steel.</p> <p>profile : 18 x 8 mm distance entre les barreaux : 12 mm - passage libre de 60 %</p>
<p><b>R.304.xxx.****</b></p>  <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>4 grey sleeved spacers in PVC 5 black sleeved spacers in PVC 6 sleeved spacers in stainless steel</p> <p>0 non-polished stainless steel 3 polished, with grain 320, stainless steel 6 stainless steel with "mirror-effect"</p>	<p>roll grille</p> <p>in stainless steel V2A, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC or stainless steel.</p> <p>profile : 18 x 8 mm distance entre les barreaux : 15 mm - passage libre de 66 %</p>

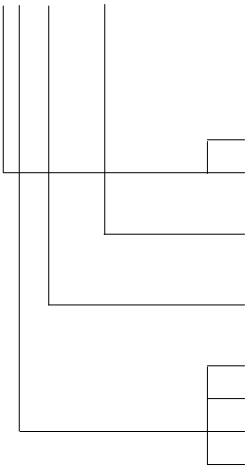
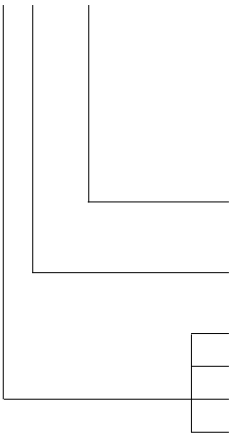
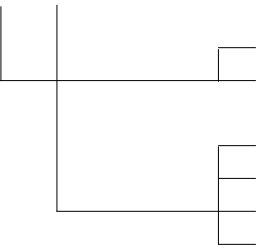
<p><b>R.307.xxx.****</b></p>	<p>roll grille</p> <p>in stainless steel V2A, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC or stainless steel.</p> <p>profile : 18 x 8 mm distance entre les barreaux : 17 mm - passage libre de 68 %</p> <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>7 grey sleeved spacers in PVC 8 black sleeved spacers in PVC 9 sleeved spacers in stainless steel</p> <p>0 non-polished stainless steel 3 polished, with grain 320, stainless steel 6 stainless steel with “mirror-effect”</p>
<p><b>R.710.xxx.****</b></p>	<p>roll grille</p> <p>in oak natural, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC.</p> <p>profile : 20 x 13 mm distance entre les barreaux : 17 mm - passage libre de 57 %</p> <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>0 grey sleeved spacers in PVC 4 bronze sleeved spacers in PVC 7 black sleeved spacers in PVC</p>
<p><b>R.711.xxx.****</b></p>	<p>roll grille</p> <p>in pine, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC.</p> <p>profile : 20 x 13 mm distance entre les barreaux : 17 mm - passage libre de 57 %</p> <p>**** grille length in mm</p> <p>xxx grille width in mm</p> <p>1 grey sleeved spacers in PVC 5 bronze sleeved spacers in PVC 8 black sleeved spacers in PVC</p>



<p><b>R.712.xxx.****</b></p> 	<p>roll grille</p> <p>in beech, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC.</p> <p>profile : 20 x 13 mm distance entre les barreaux : 17 mm - passage libre de 57 %</p> <p>**** grille length in mm xxx grille width in mm</p> <p>2 grey sleeved spacers in PVC 6 bronze sleeved spacers in PVC 9 black sleeved spacers in PVC 3 sleeved spacer in natural anodised aluminium</p>
<p><b>R.501.xxx.****</b></p> 	<p>fixed grille</p> <p>in anodised aluminium, with in the width bars, crimp-fixed onto aluminium support spacer tubes.</p> <p>profile : 18 x 3 mm distance entre les barreaux : 13,5 mm - passage libre de 81 % distance entre les barreaux : 11 mm - passage libre de 78 %</p> <p>**** grille length in mm xxx grille width in mm</p> <p>1 natural anodised 2 brass anodised 3 bronze anodised 4 black anodised</p>
<p><b>R.601.xxx.****</b></p> 	<p>fixed grille</p> <p>in anodised aluminium, with in the width bars, crimp-fixed onto aluminium support spacer tubes.</p> <p>profile : 20 x 4 mm distance entre les barreaux : 12,5 mm - passage libre de 75 % distance entre les barreaux : 10 mm - passage libre de 70 %</p> <p>**** grille length in mm xxx grille width in mm</p> <p>1 natural anodised 2 brass anodised 3 bronze anodised 4 black anodised</p>

<p><b>R.951.xxx.****</b></p>  <p>**** grille length in mm xxx grille width in mm</p> <p>1 natural anodised 2 brass anodised 3 bronze anodised 4 black anodised</p>	<p>linear grille</p> <p>in anodised aluminium, with in the length bars, crimp-fixed onto aluminium support spacer tubes.</p> <p>profile : 18 / 7 x 4 mm step of bars of : 15 mm - 68 % free area</p>
<p><b>R.981.xxx.****</b></p>  <p>**** grille length in mm xxx grille width in mm</p> <p>1 natural anodised 2 brass anodised 3 bronze anodised 4 black anodised</p>	<p>linear grille</p> <p>in anodised aluminium, with in the length bars, crimp-fixed onto aluminium support spacer tubes.</p> <p>profile : 18 / 5 x 3 mm distance entre les barreaux : 15 mm - passage libre de 75 %</p>
<p><b>R.961.xxx.****</b></p>  <p>**** grille length in mm xxx grille width in mm</p> <p>1 natural anodised 2 brass anodised 3 bronze anodised 4 black anodised</p>	<p>linear grille</p> <p>in anodised aluminium, with in the length bars, crimp-fixed onto aluminium support spacer tubes.</p> <p>profile : 18 / 5,5 x 2 mm step of bars of : 15 mm - 64 % free area</p>

<p><b>R.966.xxx.****</b></p>  <p>*****</p> <p>xxx</p> <p>6</p> <p>7</p> <p>8</p> <p>9</p>	<p>linear grille</p> <p>in anodised aluminium, with in the length bars, crimp-fixed onto aluminium support spacer tubes.</p> <p>profile : 18 / 5,5 x 2 mm step of bars of : 17 mm - 68 % free area</p> <p>grille length in mm</p> <p>grille width in mm</p> <p>natural anodised</p> <p>brass anodised</p> <p>bronze anodised</p> <p>black anodised</p>
<p><b>R.401.xxx.****</b></p>  <p>*****</p> <p>xxx</p> <p>1</p> <p>2</p> <p>3</p> <p>0</p> <p>3</p> <p>6</p>	<p>linear-roll grille</p> <p>in stainless steel V2A, avec dans la longueur des lamelles, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC or stainless steel.</p> <p>profile : 18 x 8 mm step of bars of : 20 mm - 60 % free area</p> <p>grille length in mm</p> <p>grille width in mm</p> <p>grey sleeved spacers in PVC</p> <p>black sleeved spacers in PVC</p> <p>sleeved spacers in stainless steel</p> <p>non-polished stainless steel</p> <p>polished, with grain 320, stainless steel</p> <p>stainless steel with "mirror-effect"</p>
<p><b>R.404.xxx.****</b></p>  <p>*****</p> <p>xxx</p> <p>4</p> <p>5</p> <p>6</p> <p>0</p> <p>3</p> <p>6</p>	<p>linear-roll grille</p> <p>in stainless steel V2A, avec dans la longueur des lamelles, threaded onto parallel corrosion proof tensile springs, with sleeved spacers in PVC or stainless steel.</p> <p>profile : 18 x 8 mm step of bars of : 23 mm - 66 % free area</p> <p>grille length in mm</p> <p>grille width in mm</p> <p>grey sleeved spacers in PVC</p> <p>black sleeved spacers in PVC</p> <p>sleeved spacers in stainless steel</p> <p>non-polished stainless steel</p> <p>polished, with grain 320, stainless steel</p> <p>stainless steel with "mirror-effect"</p>

<p><b>R.801.xxx.****</b></p>  <p> <b>0</b> profile : 21 x 25 x 9 x 3 mm  <b>3</b> profile : 25 x 31 x 9 x 3 mm  <b>****</b> grille length in mm  <b>xxx</b> grille width in mm  <b>1</b> natural anodised  <b>2</b> brass anodised  <b>3</b> bronze anodised  <b>4</b> black anodised         </p>	<p>floor frame</p> <p>in anodised aluminium, with assembly pieces.</p>
<p><b>R.861.xxx.****</b></p>  <p> <b>****</b> grille length in mm  <b>xxx</b> grille width in mm  <b>1</b> natural anodised  <b>2</b> brass anodised  <b>3</b> bronze anodised  <b>4</b> black anodised         </p>	<p>shelf frame</p> <p>in anodised aluminium, with assembly pieces.</p> <p>profile : 18 x 30 x 13 x 1,5 mm</p>
<p><b>B.LH.090</b></p>  <p> <b>R</b> roll grille  <b>L</b> linear grille  <b>090</b> with an angle of 90°  <b>150</b> with an angle &gt;&lt; of 90° or a half round cut-out  <b>180</b> with a rectangle cut-out in one side  <b>360</b> with a rectangle cut-out in the middle         </p>	<p>angles and columns</p>