

# ALUGARBE



Guarda - Corpos

Série Extrusal F.100



## F.100 SAFEGLASS

### GUARDA-CORPOS EM ALUMÍNIO E VIDRO

Cumprir com a norma portuguesa, NP 4491:2009, a qual define as características das guardas em função do tipo de utilização dos locais onde são instaladas. Promovem a segurança dos utentes reduzindo o risco de queda para o exterior dos espaços defendidos.

### UTILIZAÇÕES PREVISTAS / FORÇA SERVIÇO NP 4491:2009 - Ensaio força estática horizontal

**Locais de atividade residencial:** 0.5 kN/m (51 Kg/m)  
ex. edifícios de habitação, quartos de hotéis / hospitais, etc...

**Locais de prestação de serviços:** 0.7 kN/m (71.4 Kg/m)  
ex. escritórios, cafés, restaurantes, lojas, etc...

**Locais de acolhimento de público:** 1 kN/m (102 Kg/m)  
ex. teatros, cinemas, salas de conferências, acessos públicos a edifícios, zonas comerciais em geral, etc...

**Locais de acolhimento de multidões:** 3.0 kN/m (306 Kg/m)  
ex. estádios, centros comerciais, etc...

Flecha admissível, após cessação da força aplicada, 3mm.

### CARACTERÍSTICAS

- Montagem lateral / superior / embutido no pavimento
- Multiplicidade de perfis e soluções
- Vidro de segurança temperado laminado com 4 películas PVB, 1,52mm
- Vedantes em SEBS, preto ou cinza
- Calços e cunhas em EPDM e nylon
- Perfis corrimão em alumínio
- Facilidade e rapidez na montagem
- Ancoragem em função das características próprias e particulares de cada construção.

### PERFIS DE ALUMÍNIO

Comprimento standard: 6500mm

A-1022: 6000mm

A-1024: 5000mm

Liga EN AW-6060 [Al MgSi]  
EPM T5

Liga EN AW-6063 [Al Mg0,7Si]  
EPM T66

Normas

Composição química - EN 573-3

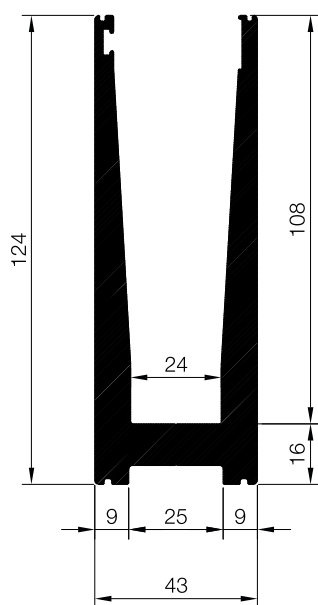
Tolerâncias nas dimensões e na forma - NP 755-9

Estado das propriedades mecânicas (EPM) - EN 755-2

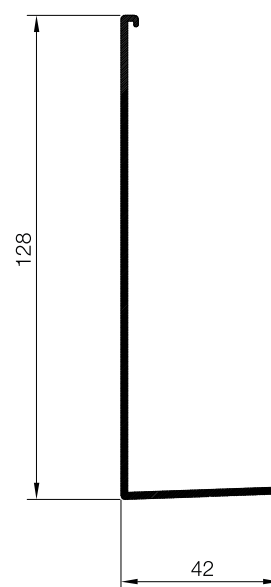




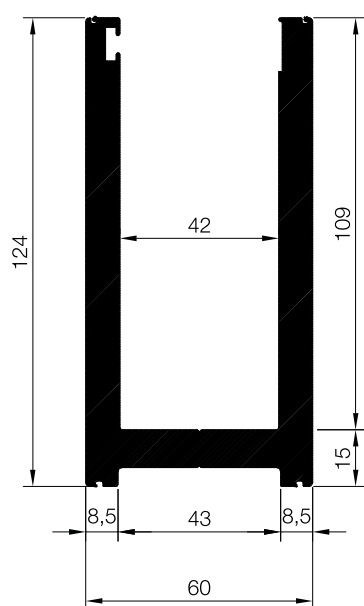
## DESEMPENHOS



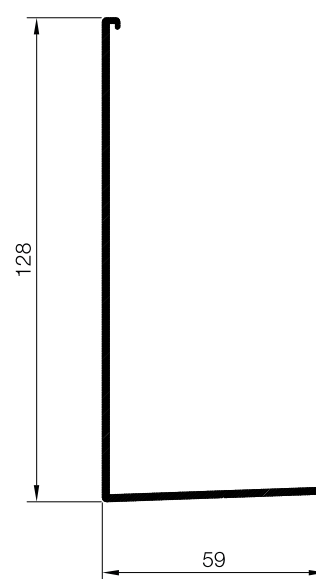
**A-1020**



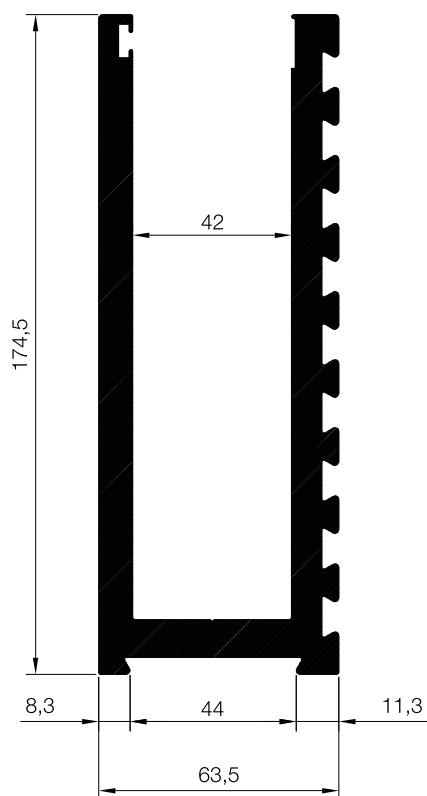
**A-1021**



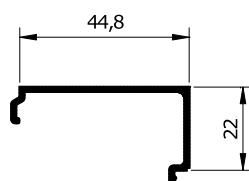
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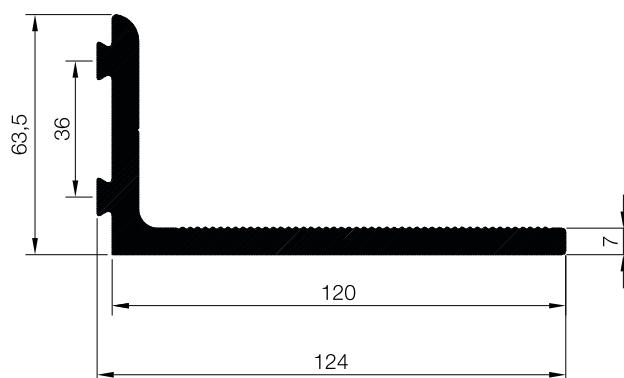
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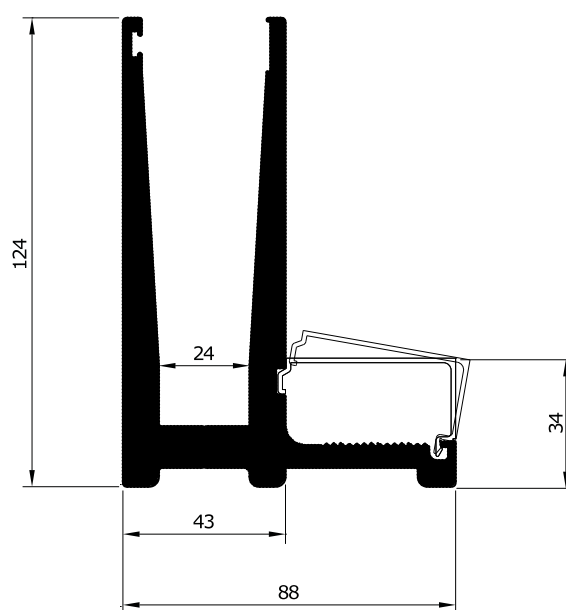
**A-1024**



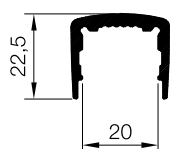
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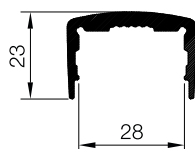
**A-1025**



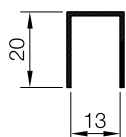
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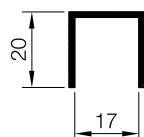
**A-1120**



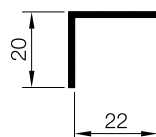
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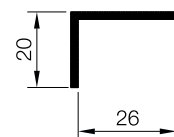
**A-1113**



**A-1117**



**A-1122**

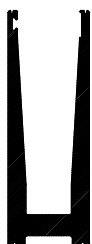


**A-1126**



## Perfil A-1020

NP 4491 : 2009  
Guardas para edifícios  
Características dimensionais e métodos de ensaio



### Força estática horizontal

Força de serviço: 1,0 kN/m  
Força de segurança: 1,5 kN/m

APTO para locais de actividade:

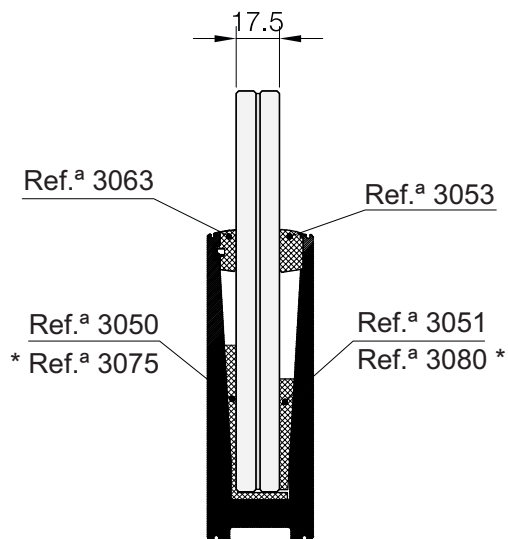
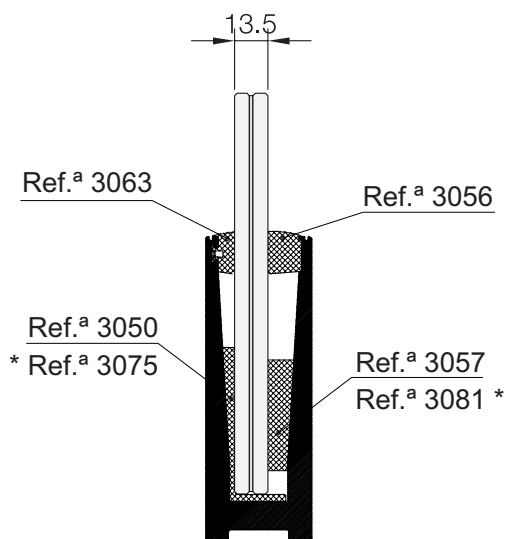
RESIDENCIAL  
PRESTAÇÃO DE SERVIÇOS  
ACOLHIMENTO PÚBLICO

### Boletim de ensaio nº OEF 011/16 Organismo notificado nº 2211

Vidro temperado laminado 8.8.4  
Espessura 17,52mm

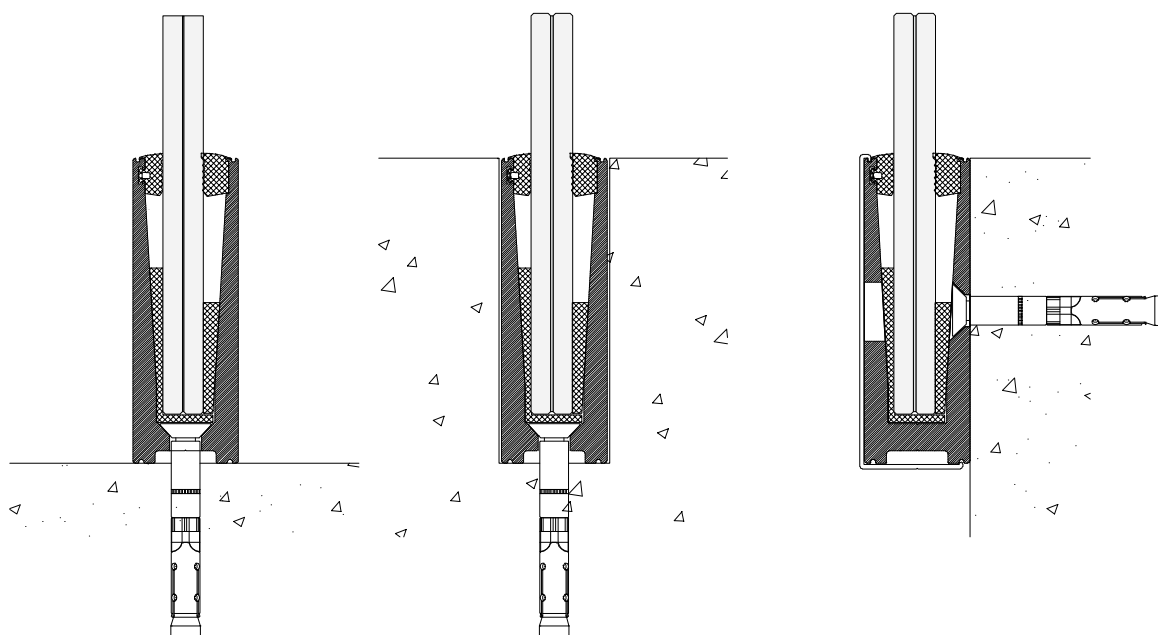
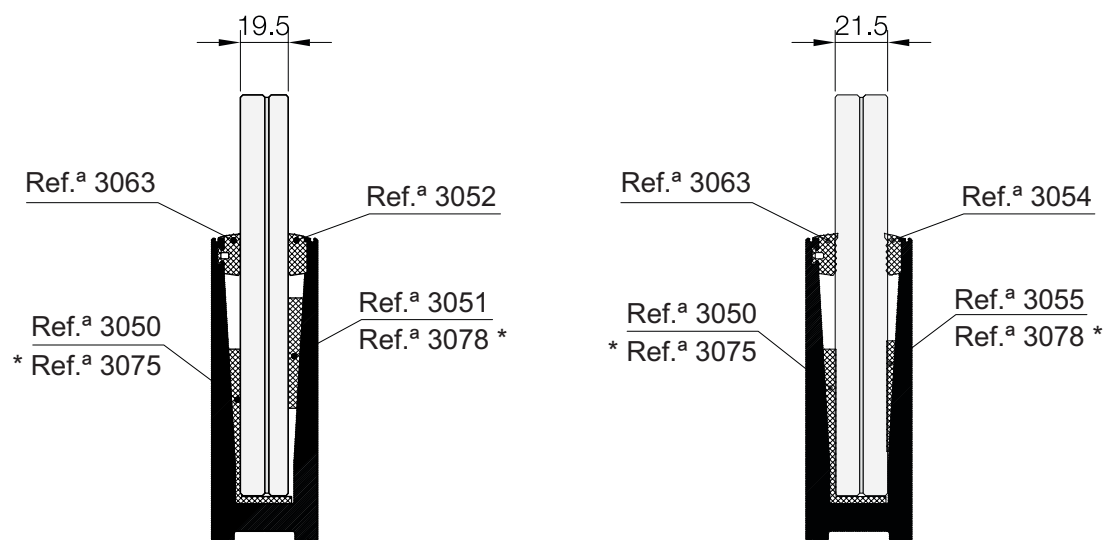
Dimensão:  
2500 x 1100mm

Calços e cunhas em EPDM com elevada dureza 75/80 Shore A  
Opção de calços e cunhas em nylon (\*)  
Capeamento com perfil ref. A-1021  
Admite vidros com espessura de 13,52mm, 17,52mm e 21,52mm  
Vedantes em SEBS



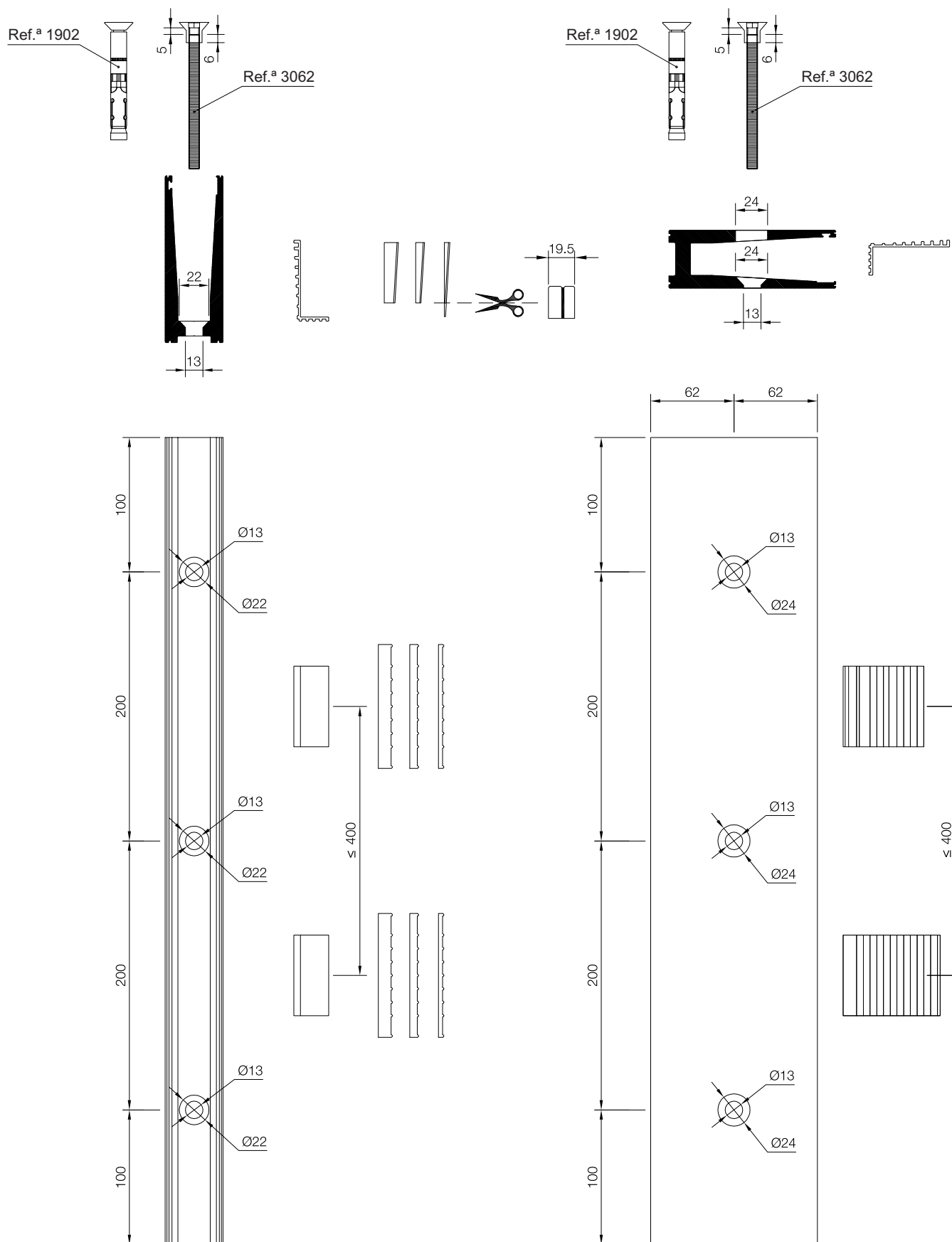


Perfil A-1020





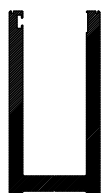
## Perfil A-1020





## Perfil A-1022

NP 4491 : 2009  
Guardas para edifícios  
Características dimensionais e métodos de ensaio



### Força estática horizontal

Força de serviço: 3,0 kN/m  
Força de segurança: 4,5 kN/m

APTO para locais de actividade:

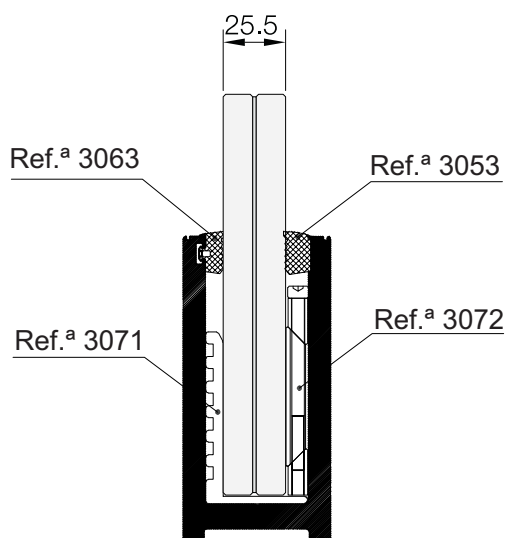
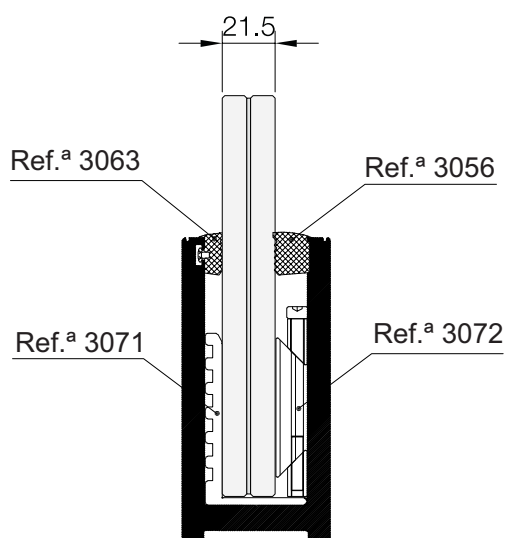
ACOLHIMENTO PÚBLICO  
ACOLHIMENTO MULTIDÕES

### Boletim de ensaio nº OEF 006/12 Organismo notificado nº 2211

Vidro temperado laminado 12,12,4  
Espessura 25,52mm

Dimensão:  
2500 x 1200mm

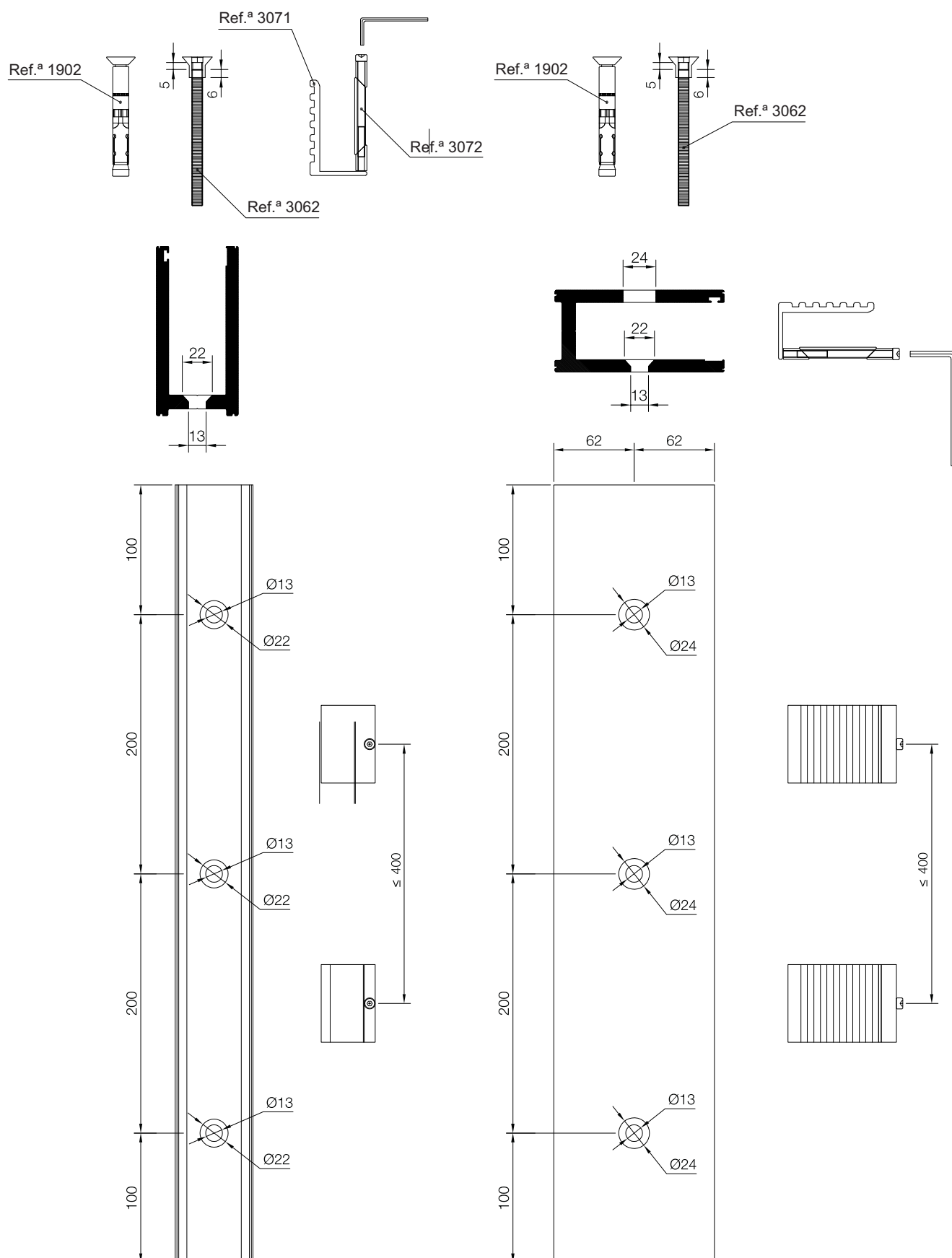
Calço em nylon e afinador Extrusal exclusivo  
Capeamento com perfil ref. A-1023  
Admite vidros com espessuras de 21,52mm e 25,52mm  
Vedantes em SEBS







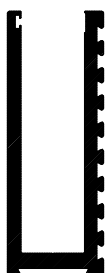
## Perfil A-1022





## Perfil A-1024

NP 4491 : 2009  
Guardas para edifícios  
Características dimensionais e métodos de ensaio



### Força estática horizontal

Força de serviço: 1,0 kN/m  
Força de segurança: 1,5 kN/m

APTO para locais de actividade:

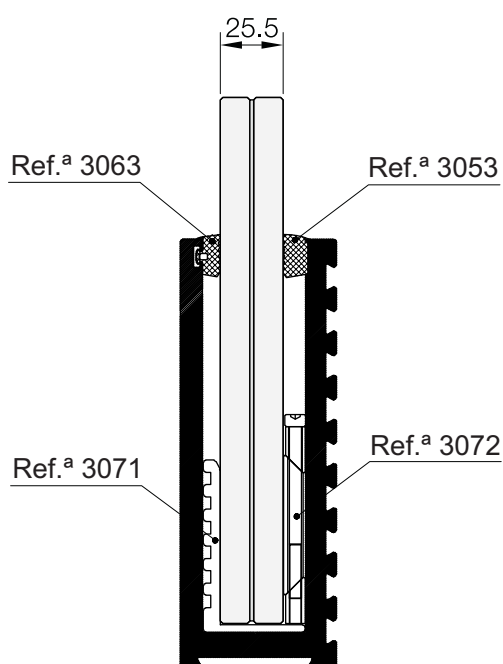
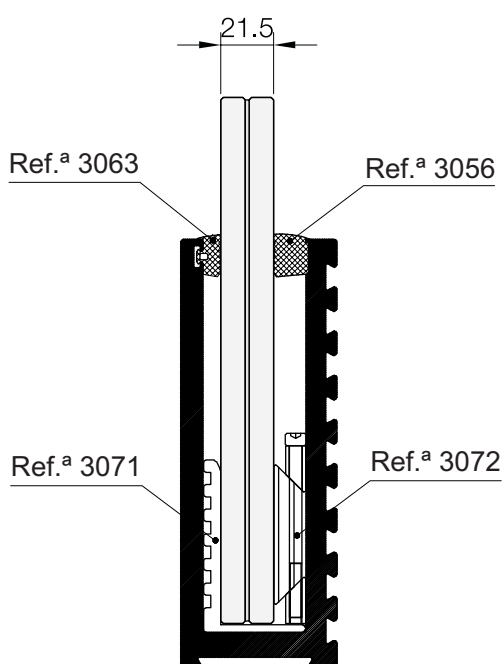
RESIDENCIAL  
PRESTAÇÃO DE SERVIÇOS  
ACOLHIMENTO PÚBLICO

### Boletim de ensaio nº OEF 022/17 Organismo notificado nº 2211

Vidro temperado laminado 12.12.4  
Espessura 25,52mm

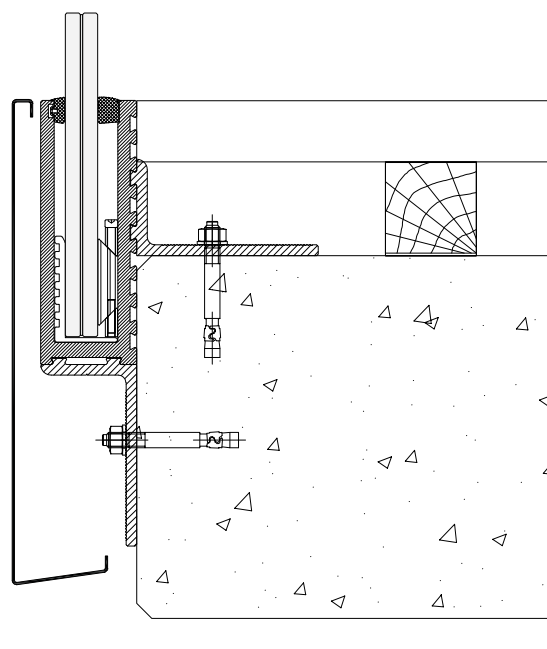
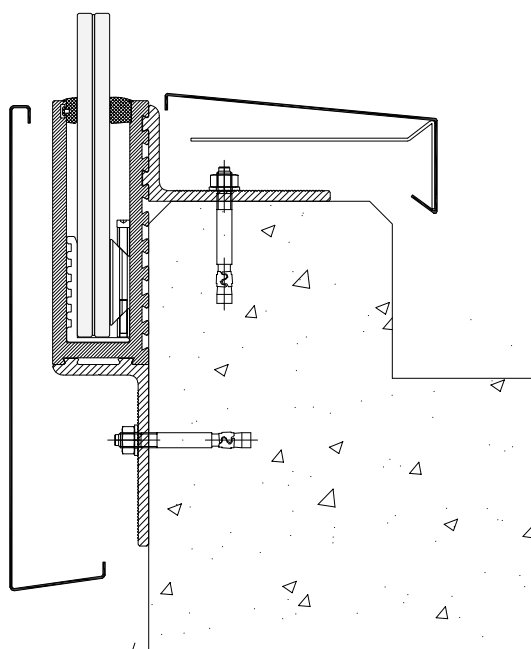
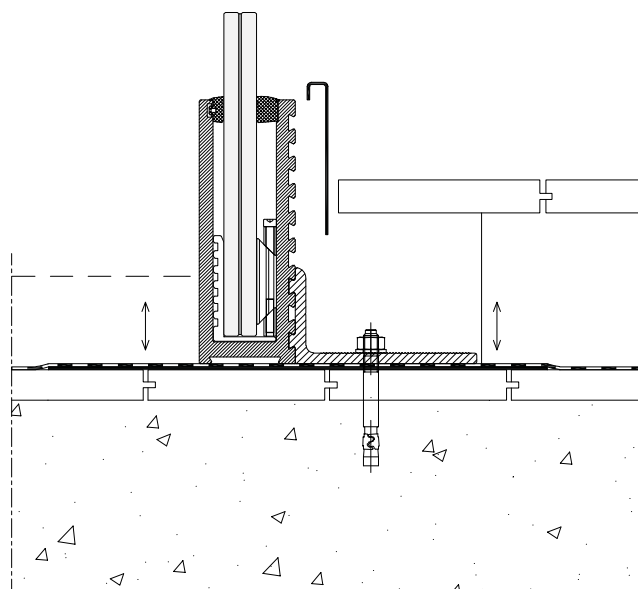
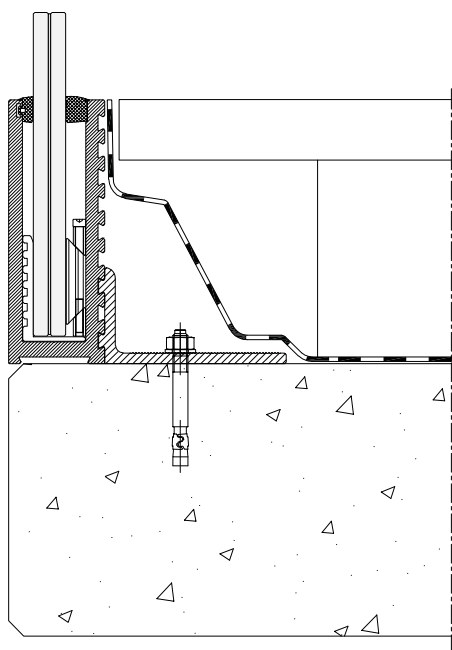
Dimensão:  
2500 x 1800mm

Calço em nylon com afinador Extrusal exclusivo  
Fixação ajustável, perfil ref. A-1025  
Admite vidros com 21,52mm e 25,52mm de espessura  
Vedantes em SEBS



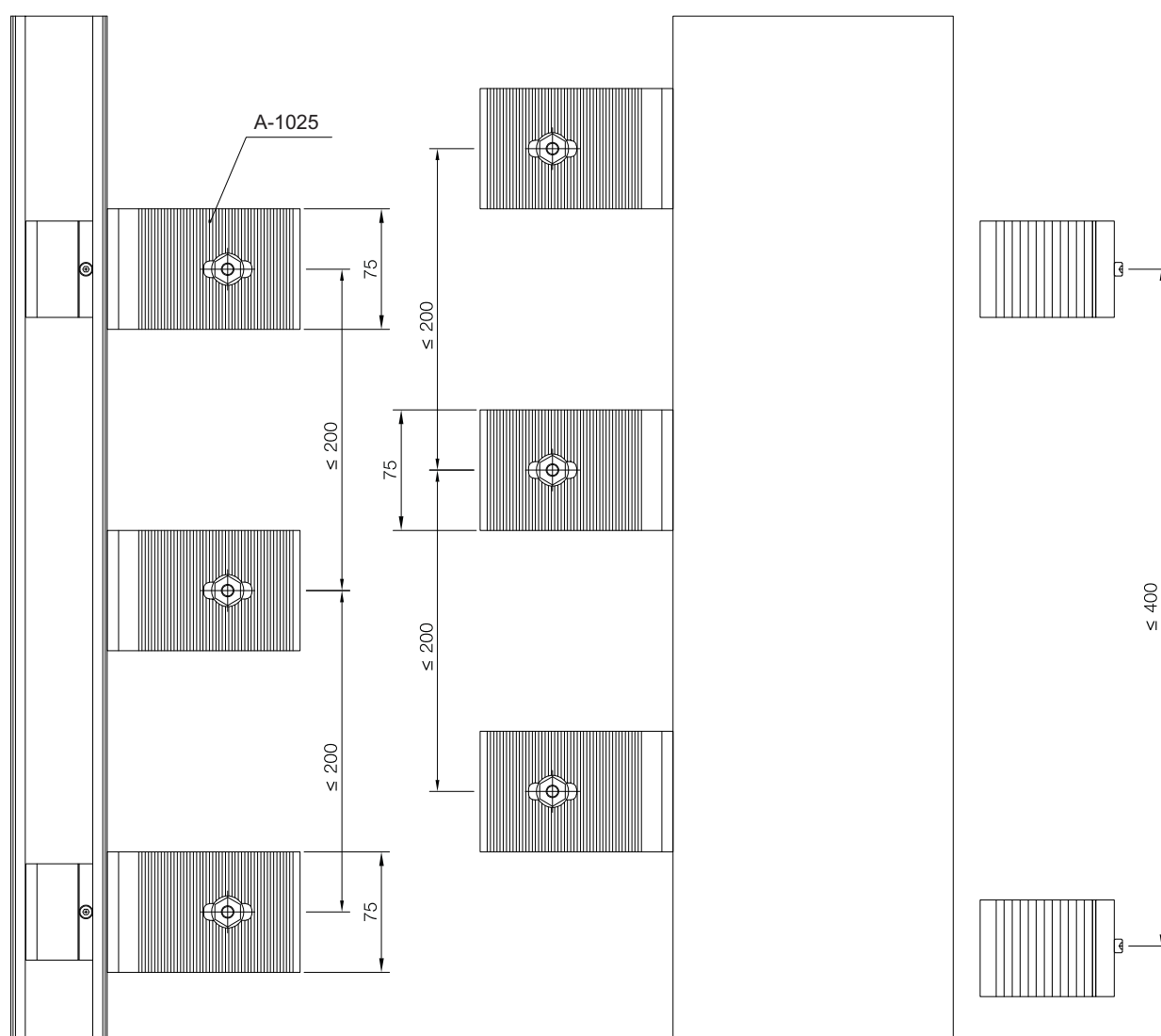
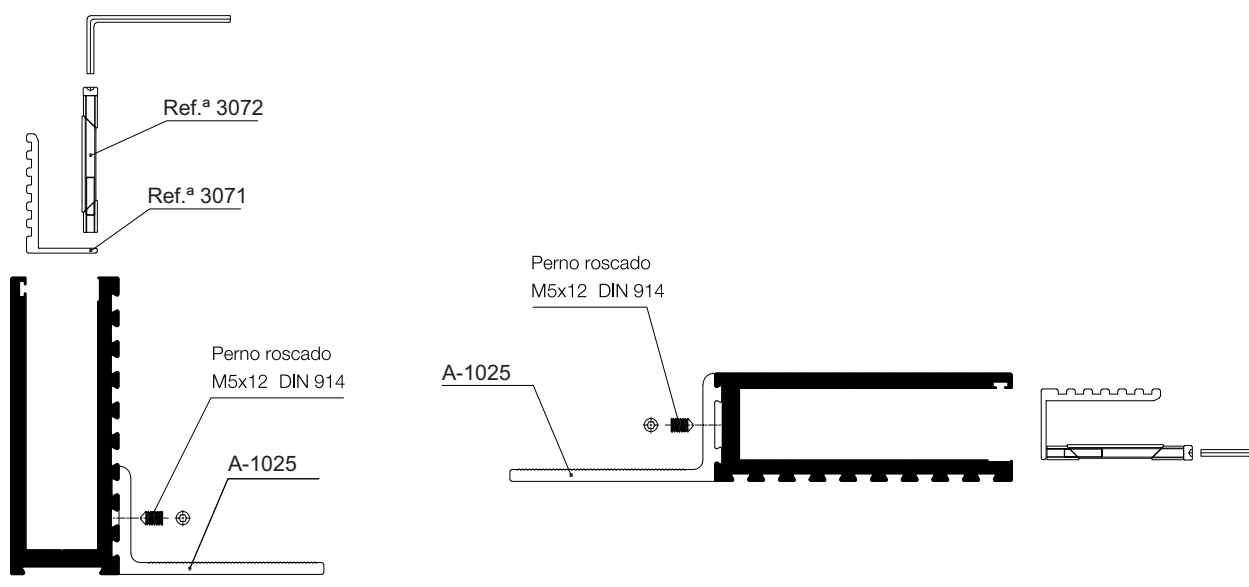


Perfil A-1024



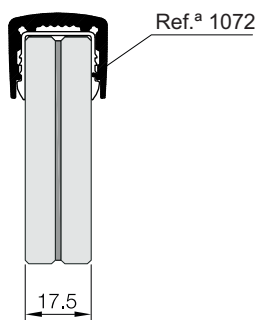


## Perfil A-1024





## CORRIMÃO



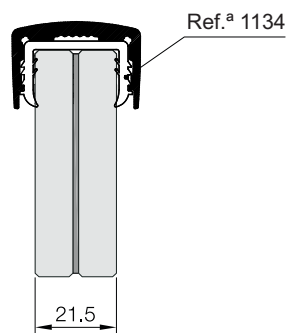
**A-1120**



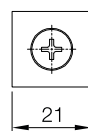
**Ref.ª 3059**

Parafusos não incluídos

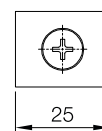
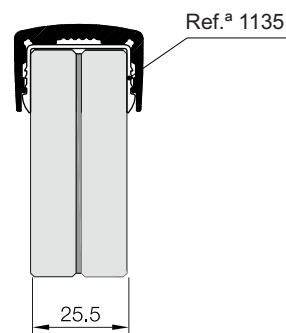
DIN7982  
ST4,8x32mm



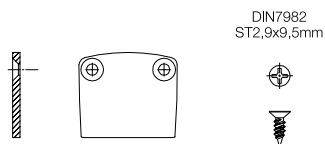
**A-1128**



**Ref.ª 3060**

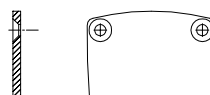


**Ref.ª 3073**

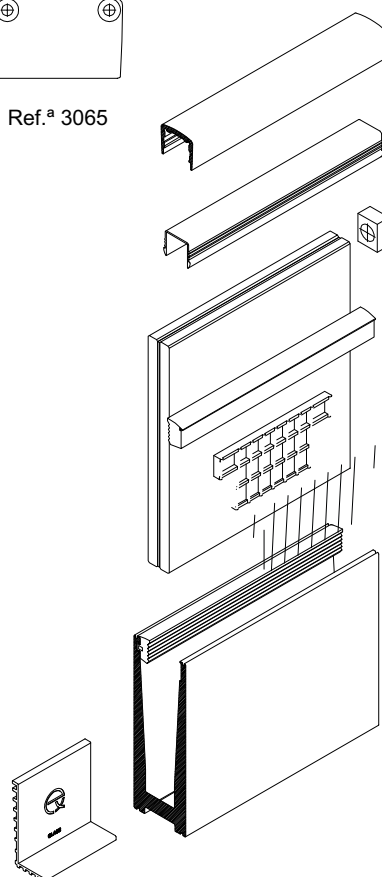
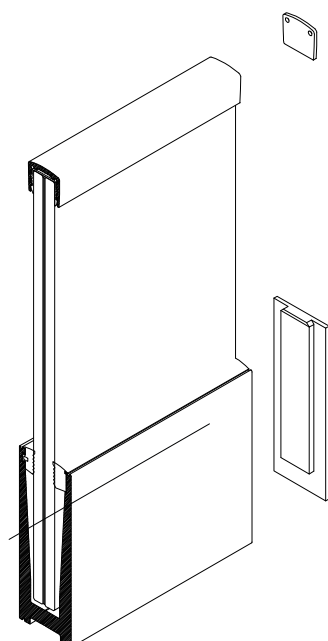


**Ref.ª 3064**

Parafusos não incluídos



**Ref.ª 3065**

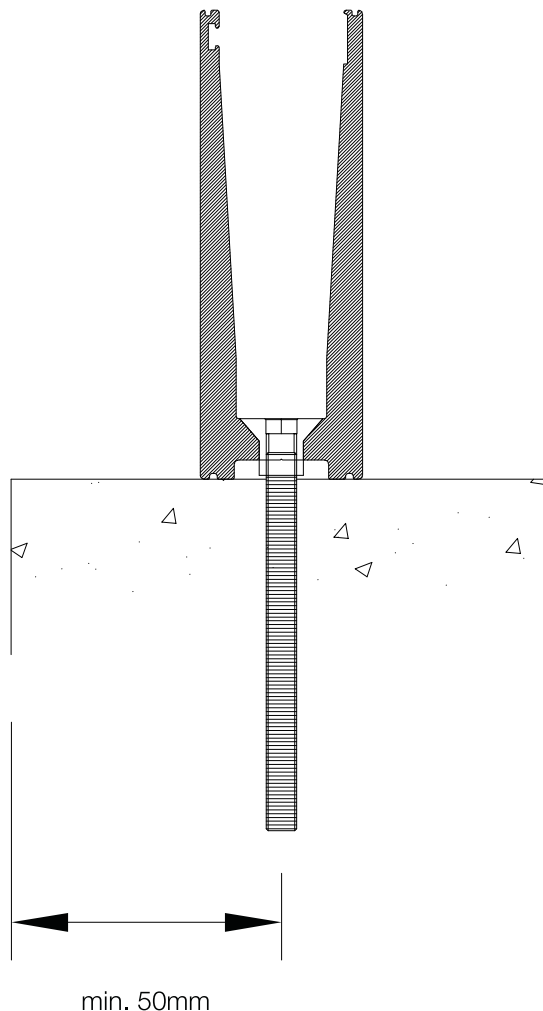
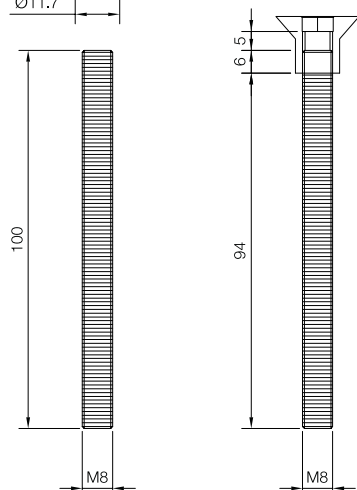
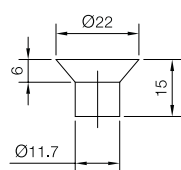
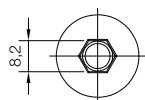




## FIXAÇÃO

Ref.<sup>a</sup> 3062

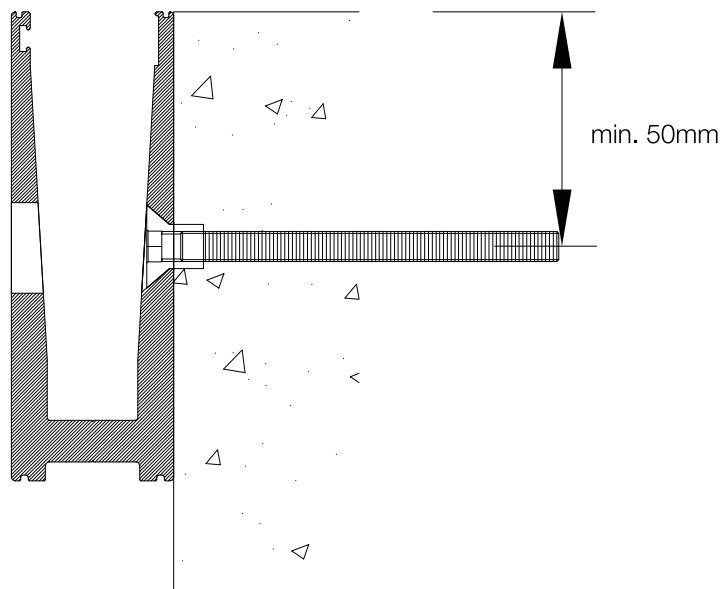
PEÇA DE FIXAÇÃO SEA-SIDE



### Instruções de montagem

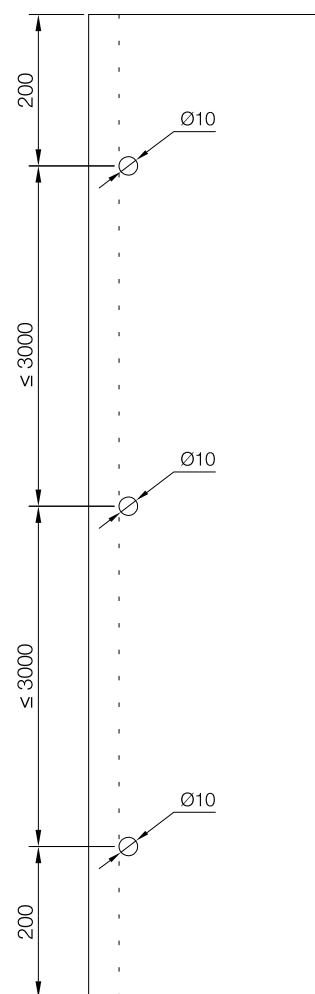
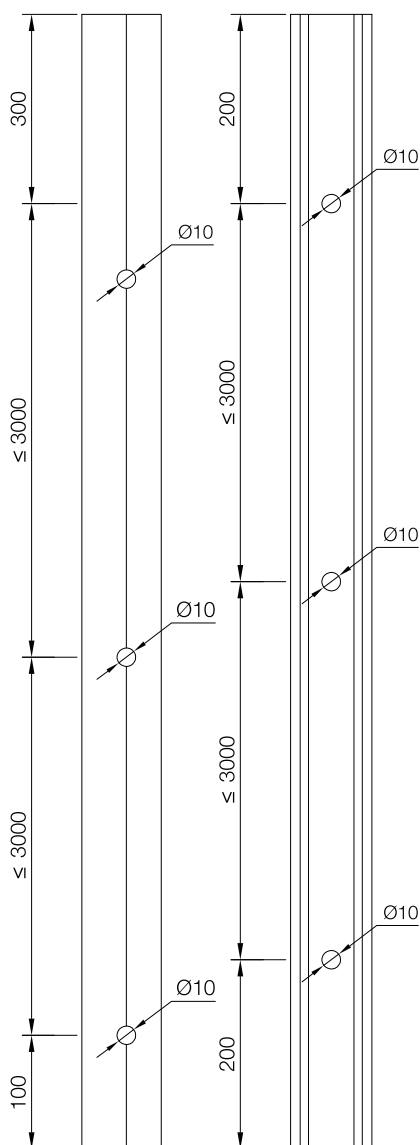
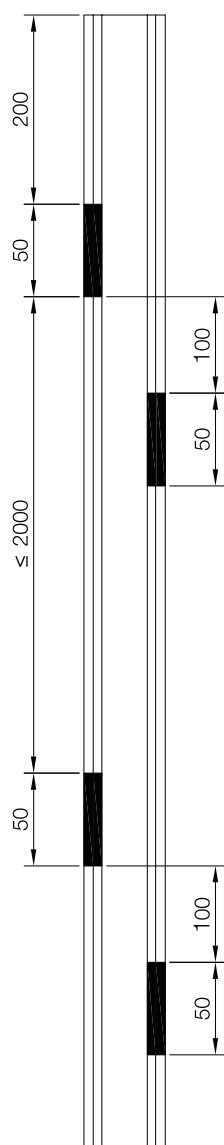
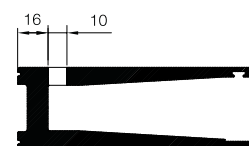
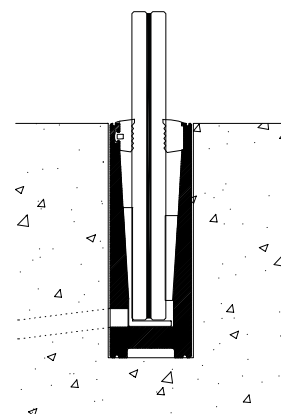
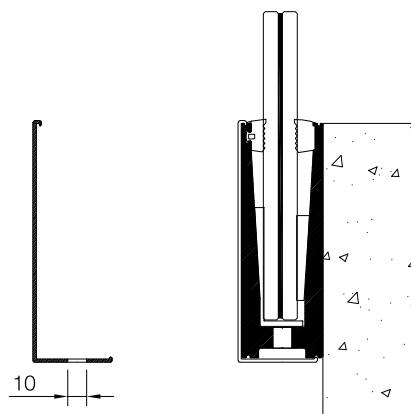
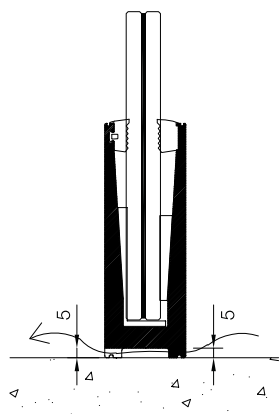
1. Furar com broca Ø13mm o perfil base e escarear.
2. Furar diretamente o betão com uma broca Ø10mm.
3. Injetar bucha química (seguir especificações do fabricante do produto) e remover os excessos.
4. Aplicar acessório Ref.<sup>a</sup> 3062 com a porca 6mm enroscada.
5. Bater com um maço e deixar secar.
6. Após a secagem proceder ao ajuste final. Curso disponível, 5mm.

Dimensão padrão 100mm, outras medidas mediante consulta previa.





## DRENAGEM

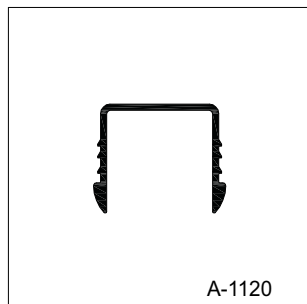




## ACESSÓRIOS

**Ref.<sup>a</sup> 1072**

Vedante U vidro 18mm  
PVC



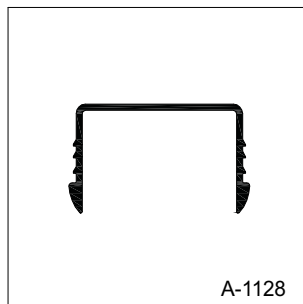
**Ref.<sup>a</sup> 1134**

Vedante U vidro 21.5mm  
EPDM



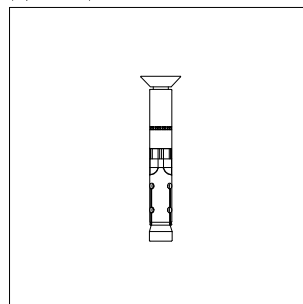
**Ref.<sup>a</sup> 1135**

Vedante U vidro 25.5mm  
EPDM



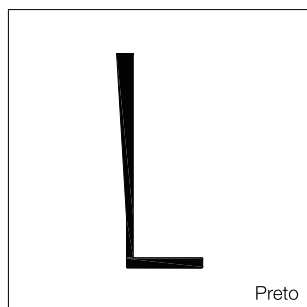
**Ref.<sup>a</sup> 1902**

Bucha M8\*125  
(opcional)



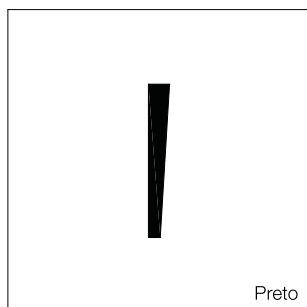
**Ref.<sup>a</sup> 3050**

Calço vidro A-1020  
EPDM



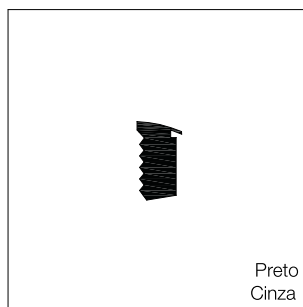
**Ref.<sup>a</sup> 3051**

Cunha 4mm A-1020  
EPDM



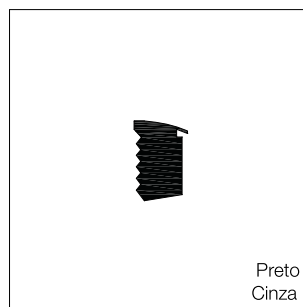
**Ref.<sup>a</sup> 3052**

Vedante interior c/ 8mm  
SEBS



**Ref.<sup>a</sup> 3053**

Vedante interior c/ 10mm  
SEBS



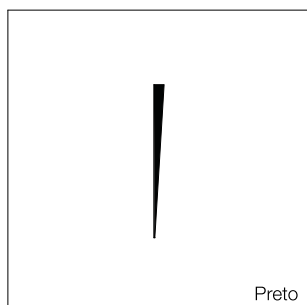
**Ref.<sup>a</sup> 3054**

Vedante interior c/ 6mm  
SEBS



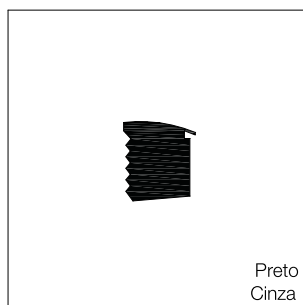
**Ref.<sup>a</sup> 3055**

Cunha 1mm A-1020  
EPDM



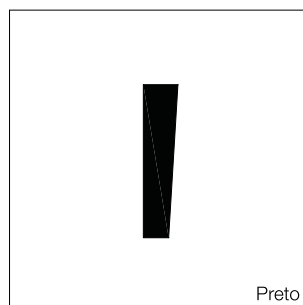
**Ref.<sup>a</sup> 3056**

Vedante interior c/ 14mm  
SEBS



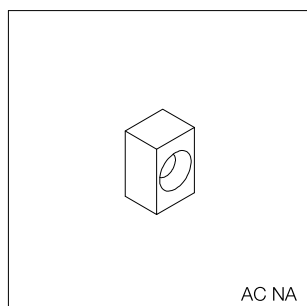
**Ref.<sup>a</sup> 3057**

Cunha 8mm A-1020  
EPDM



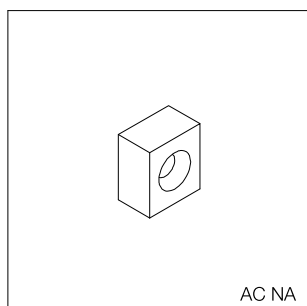
**Ref.<sup>a</sup> 3058**

Peça fixação lateral (12x20mm)  
Alumínio extrudido



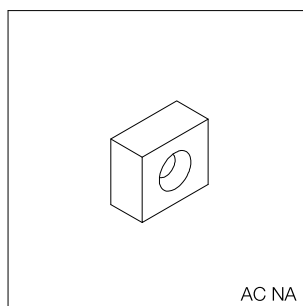
**Ref.<sup>a</sup> 3059**

Peça fixação lateral (16x20mm)  
Alumínio extrudido



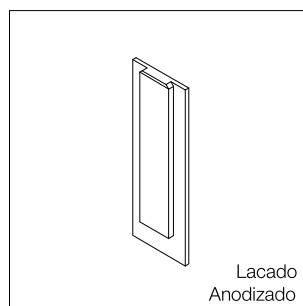
**Ref.<sup>a</sup> 3060**

Peça fixação lateral (21x20mm)  
Alumínio extrudido



**Ref.<sup>a</sup> 3061**

Topo A-1020  
Alumínio extrudido



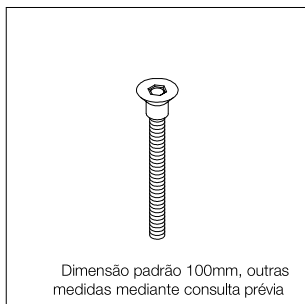




## ACESSÓRIOS

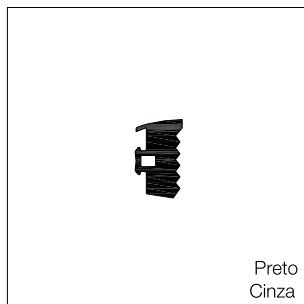
**Ref.<sup>a</sup> 3062**

Fixação Safe Glass  
Inox



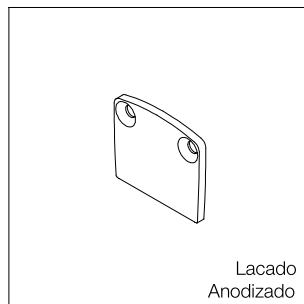
**Ref.<sup>a</sup> 3063**

Vedante exterior  
SEBS



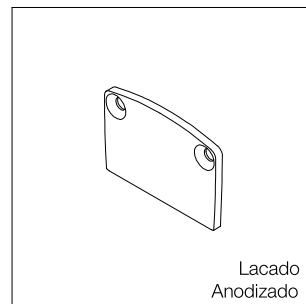
**Ref.<sup>a</sup> 3064**

Topo A-1120  
Alumínio extrudido



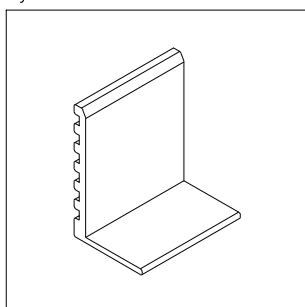
**Ref.<sup>a</sup> 3065**

Topo A-1128  
Alumínio extrudido



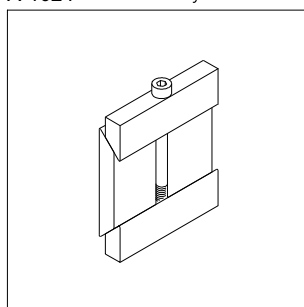
**Ref.<sup>a</sup> 3071**

Calço A-1022 e A-1024  
Nylon



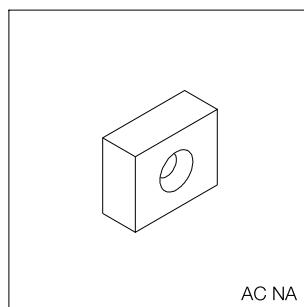
**Ref.<sup>a</sup> 3072**

Cunha c/ afinação A-1022 e  
A-1024 Alumínio e nylon



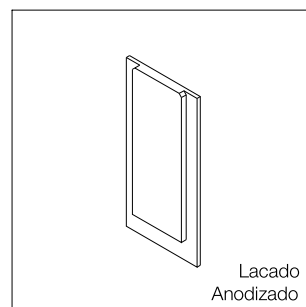
**Ref.<sup>a</sup> 3072**

Peça fixação lateral (25x20mm)  
Alumínio extrudido



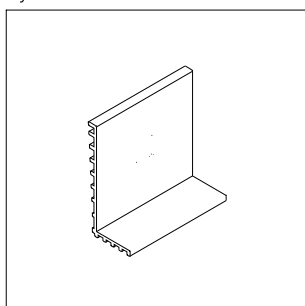
**Ref.<sup>a</sup> 3074**

Topo A-1022  
Alumínio extrudido



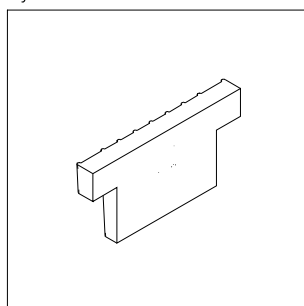
**Ref.<sup>a</sup> 3075**

Calço vidro A-1020  
Nylon



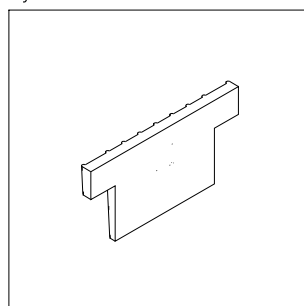
**Ref.<sup>a</sup> 3076**

Cunha 8mm A-1020  
Nylon



**Ref.<sup>a</sup> 3077**

Cunha 4mm A-1020  
Nylon



**Ref.<sup>a</sup> 3078**

Cunha 2 ou 1mm A-1020  
Nylon

