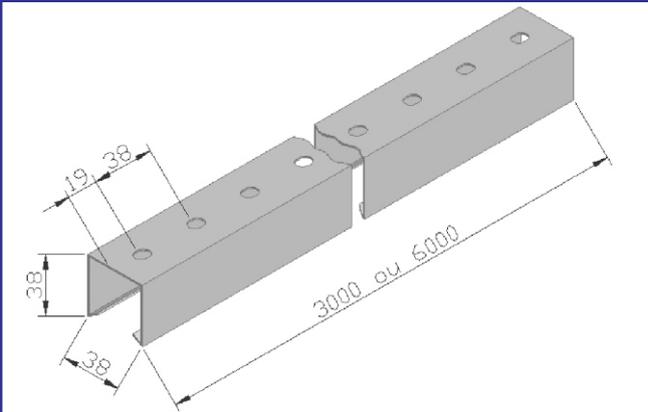
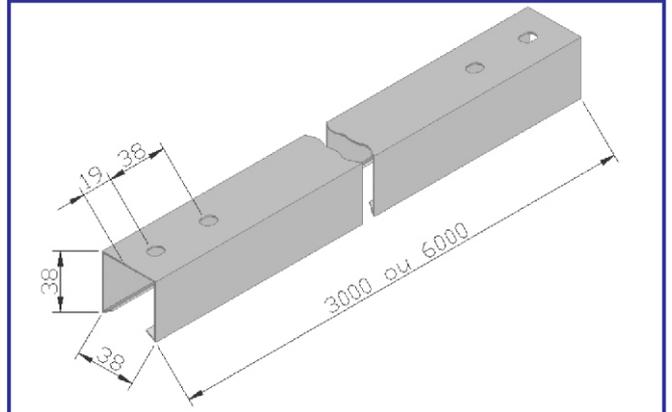


## PRODUTOS ELETROMETALÚRGICOS

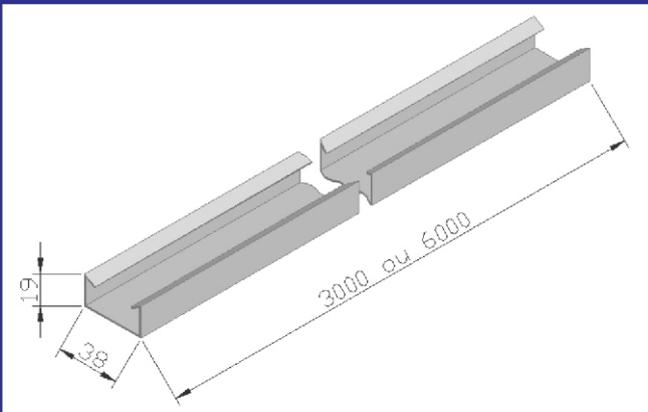
Perfilado Perfurado 38x38x3000/6000mm



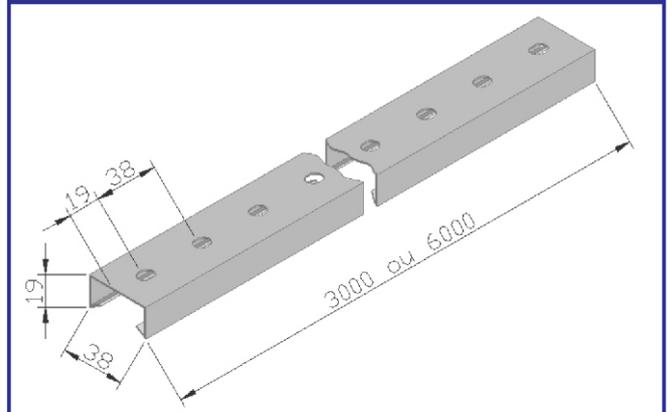
Perfilado com 2 furos nas pontas 38x38x3000/6000mm



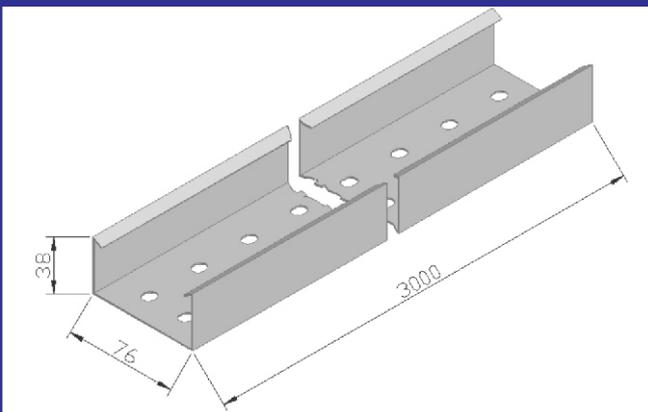
Perfilado liso 19x38x3000/6000mm



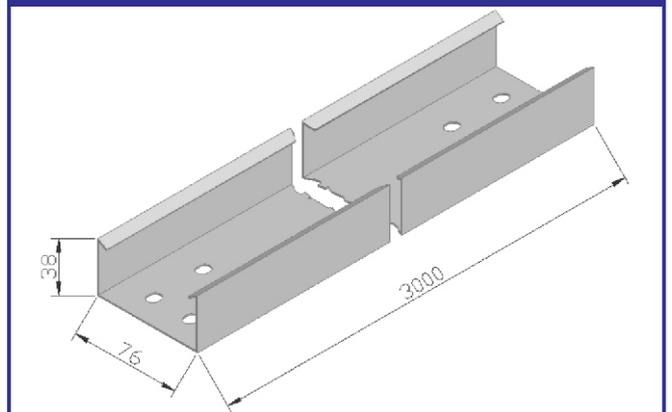
Perfilado Perfurado 19x38x3000/6000mm



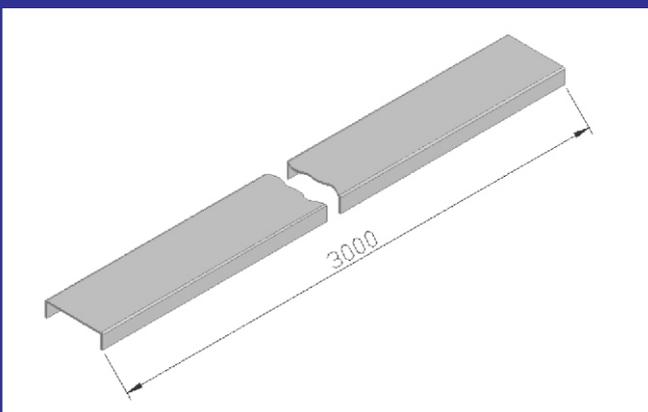
Perfilado perfurado 38x76x3000mm



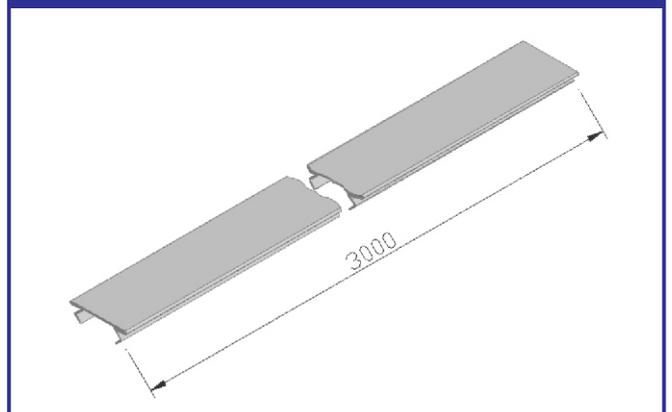
Perfilado liso 4 furos 38x76x3000mm



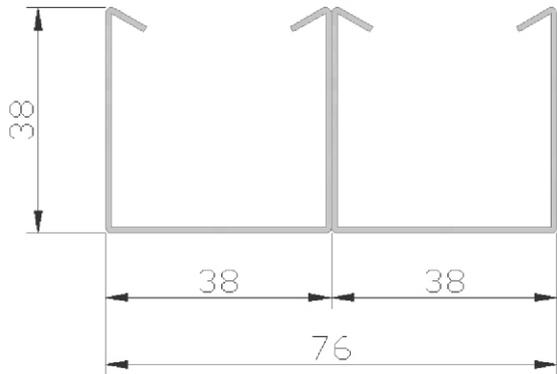
Tampa de encaixe para perfilado 38x3000mm



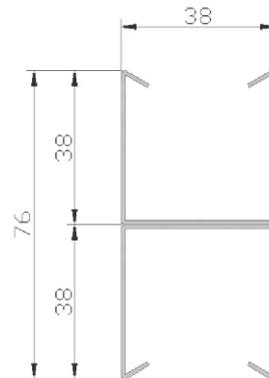
Tampa de pressão para perfilado 38x3000mm



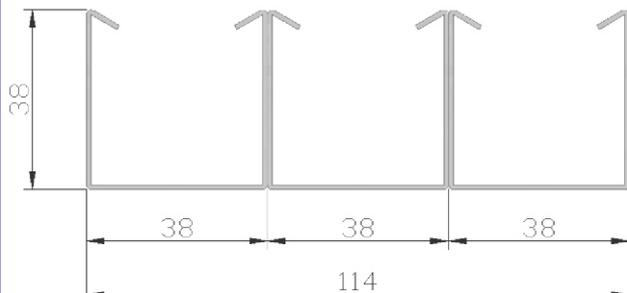
Perfilado conjugado 38x76x3000mm



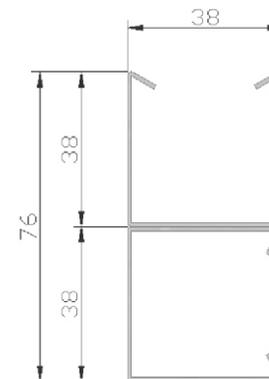
Perfilado conjugado 38x76x3000mm



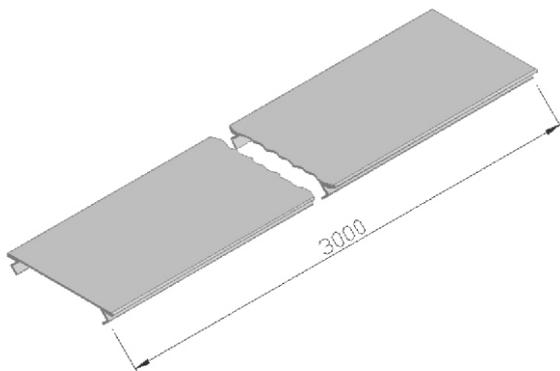
Perfilado conjugado 38x114x3000mm



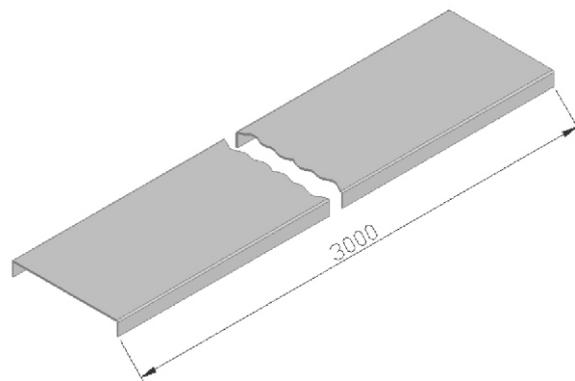
Perfilado conjugado 38x76x3000mm



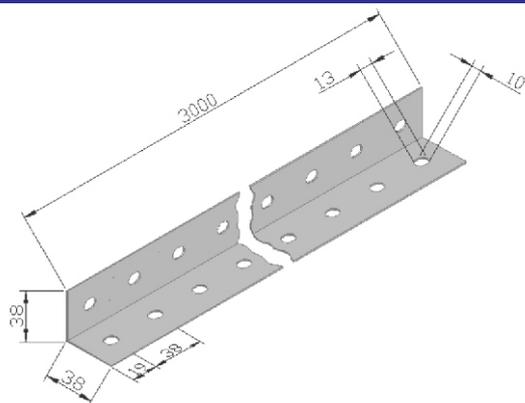
Tampa de pressão para perfilado 76x3000mm



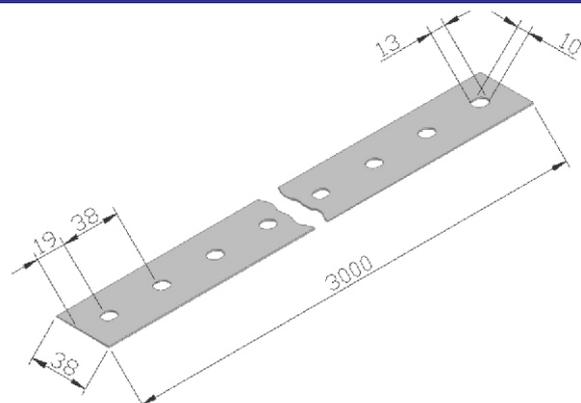
Tampa de encaixe para perfilado duplo 76x3000mm



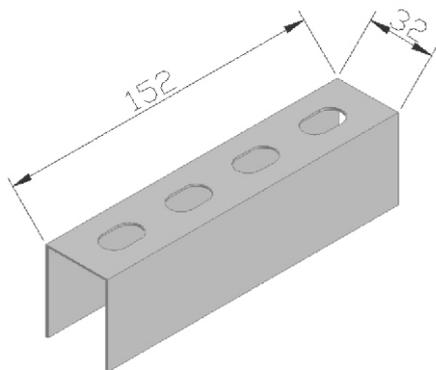
Cantoneira 'L' 38x38x3000mm



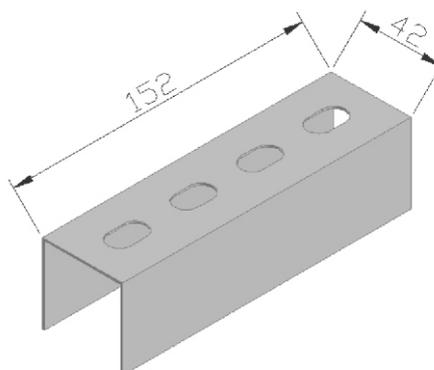
Fita chata perfurada 38x3000mm



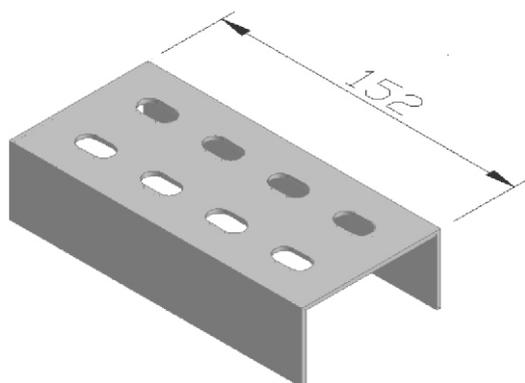
Emenda interna 'I'



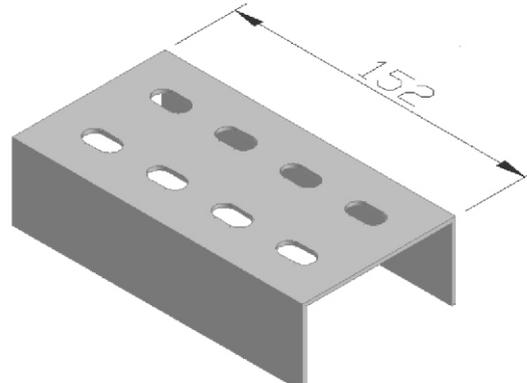
Emenda externa 'I'



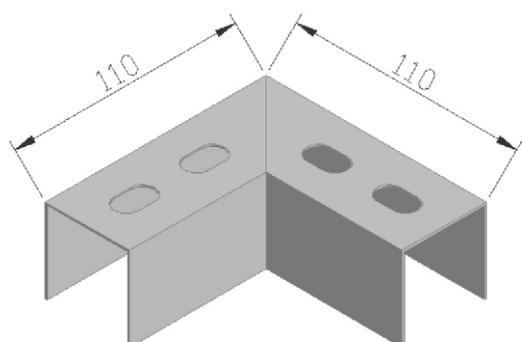
Emenda Interna 'I' 38x76mm



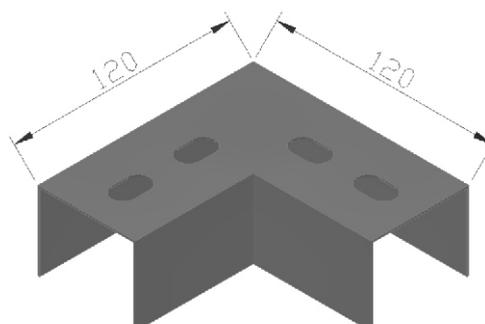
Emenda externa 'I' 38x76mm



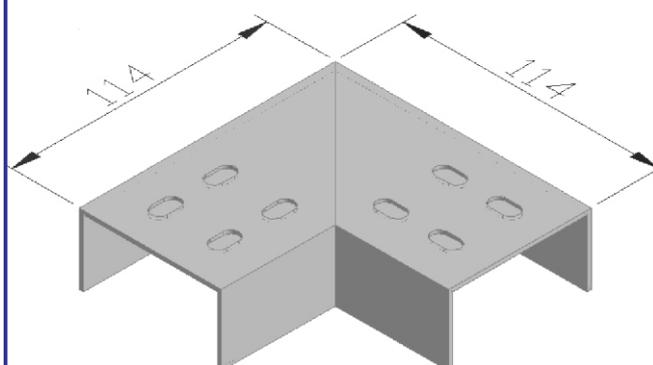
Emenda Interna 'L'



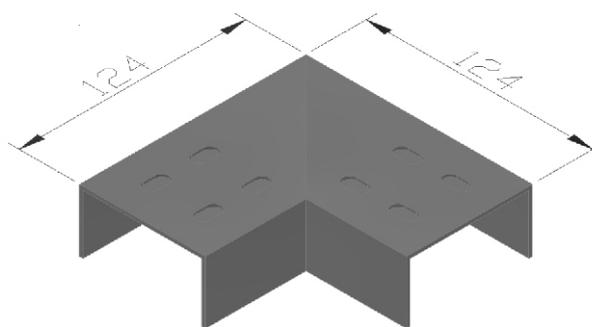
Emenda externa 'L' 38x38mm



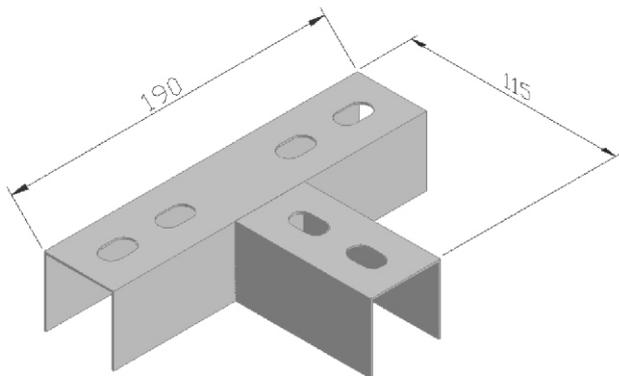
Emenda interna 'L' 38x76mm



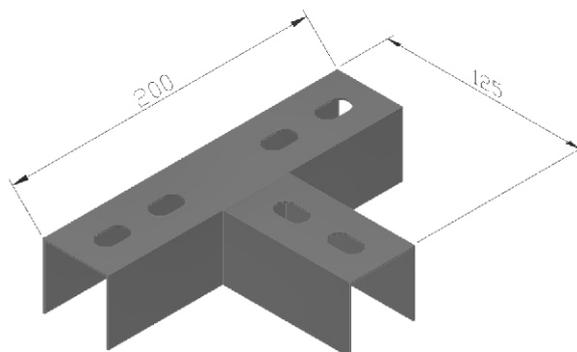
Emenda externa 'L' 38x76mm



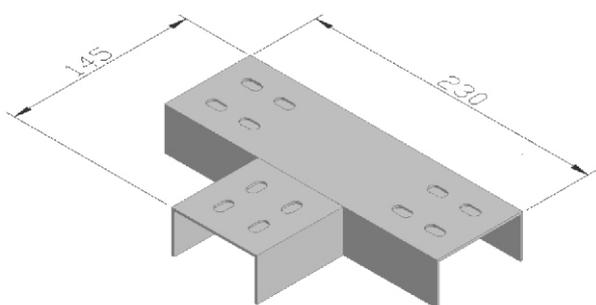
Emenda interna 'T' 38x38mm



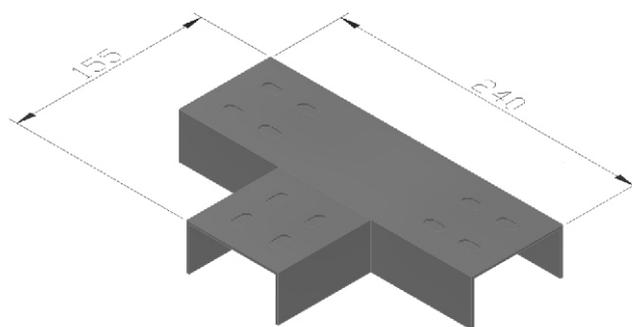
Emenda externa 'T' 38x38mm



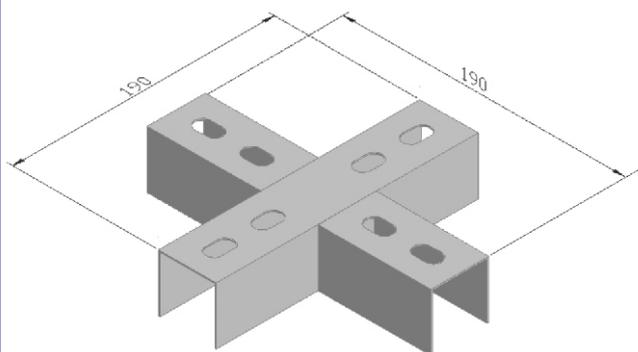
Emenda interna 'T' 38x76mm



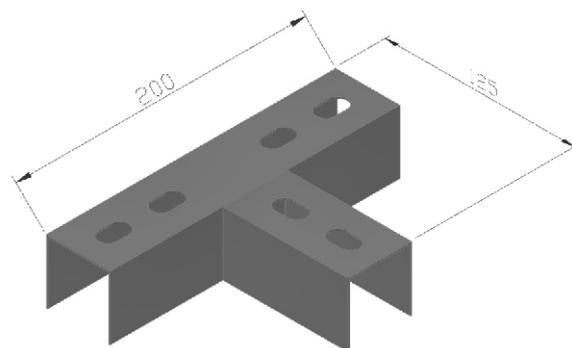
Emenda externa 'T' 38x76mm



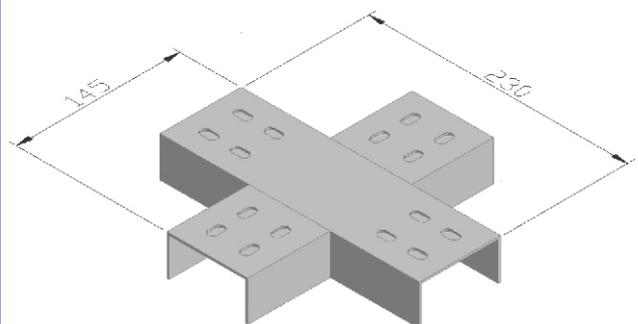
Emenda interna 'X'



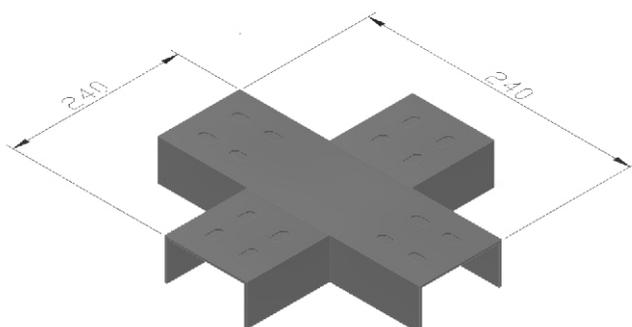
Emenda externa 'T'



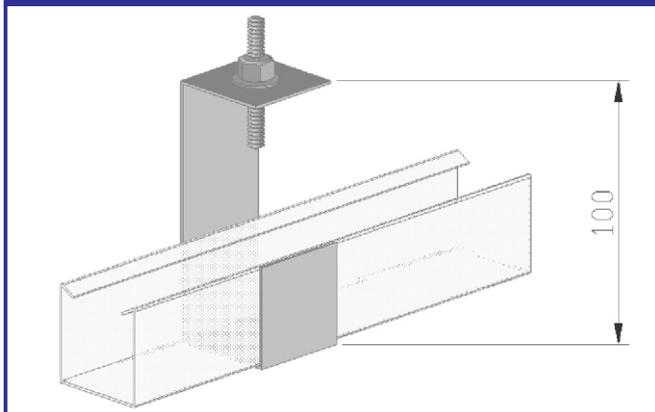
Emenda interna 'X' 38x76mm



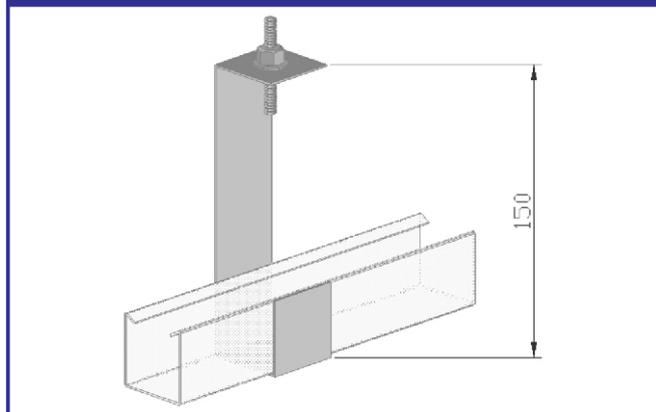
Emenda externa 'X' 38x76mm



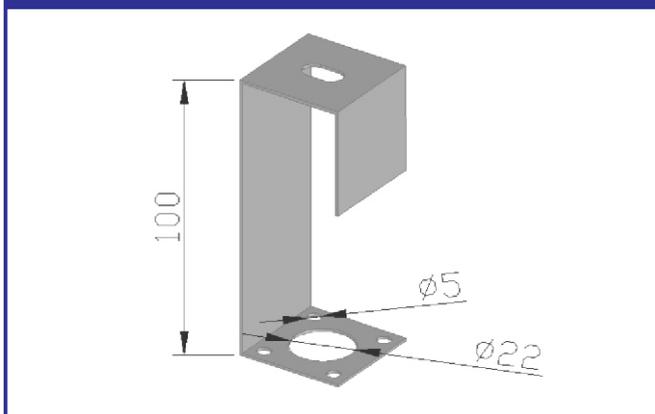
Gancho curto para perfilado



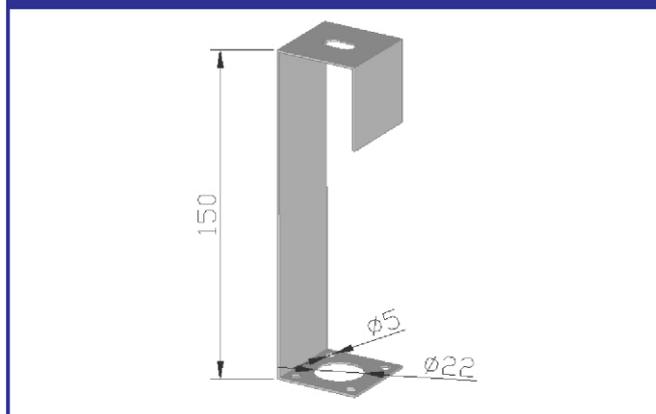
Gancho longo para perfilado



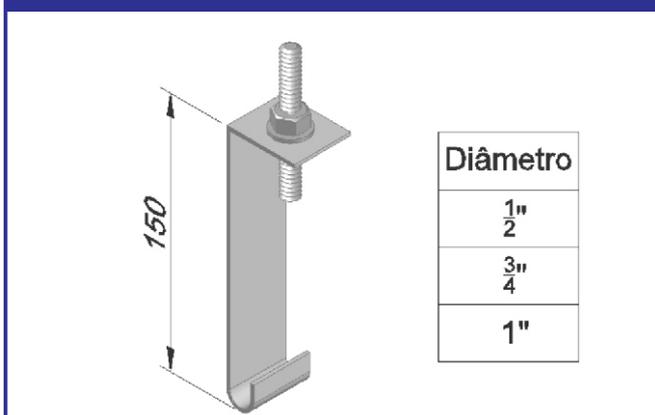
Gancho curto para luminária



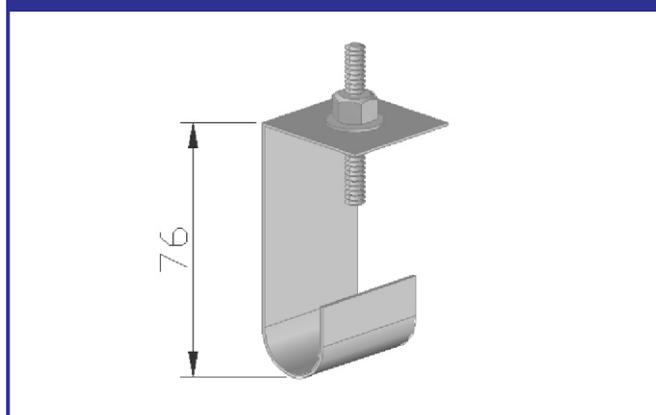
Gancho longo para luminária



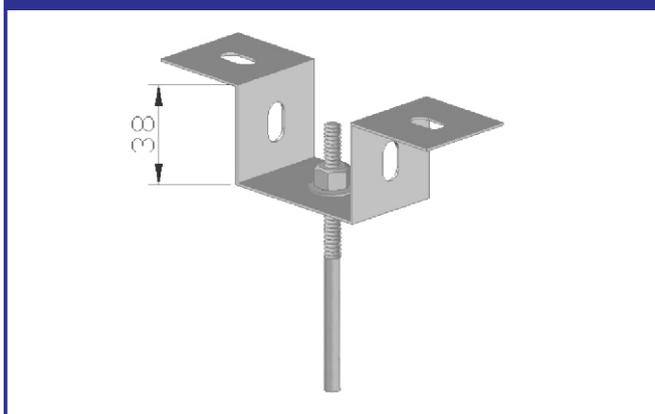
Suporte para eletroduto



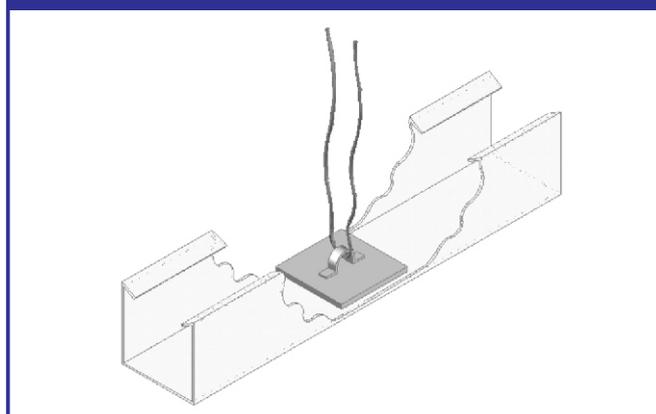
Suporte para cabo de aço



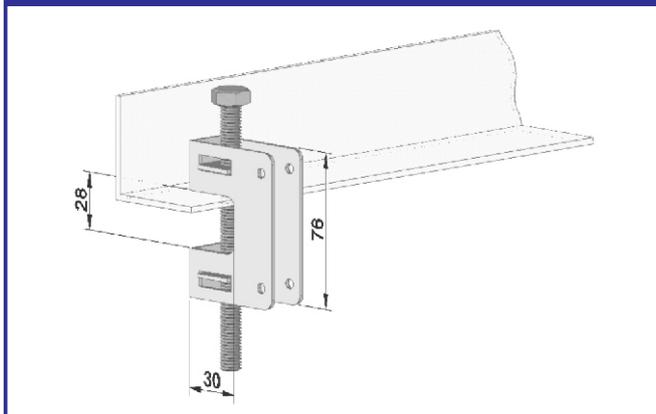
Cantoneira 'ZZ' para vergalhão



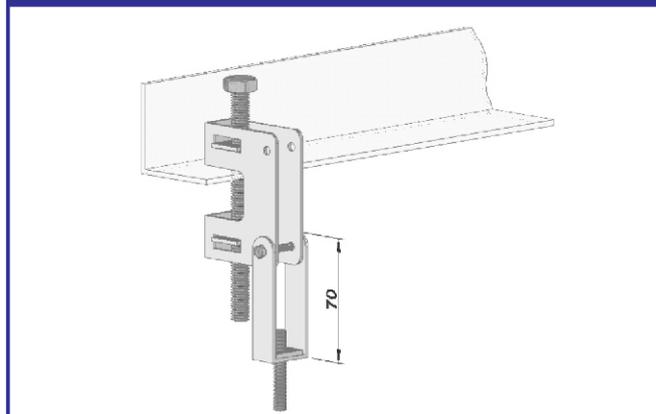
Suspensor para cabo



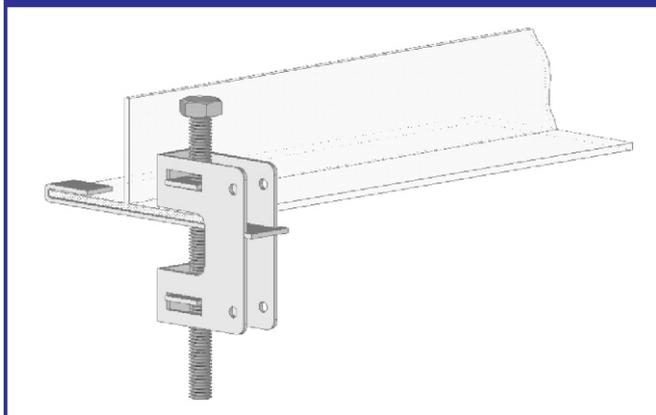
Grampo 'C'



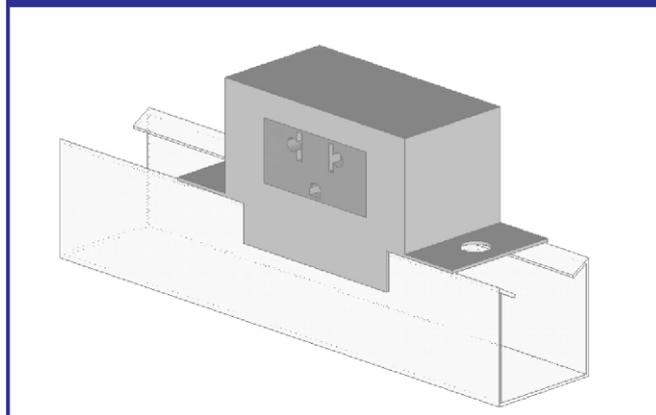
Balancim para Grampo 'C'



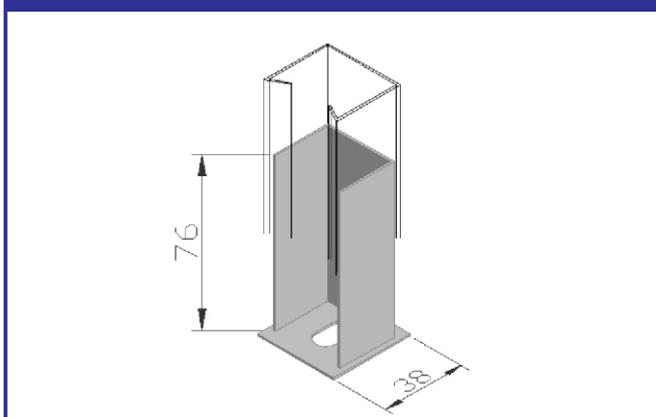
Presilha para Grampo 'C'



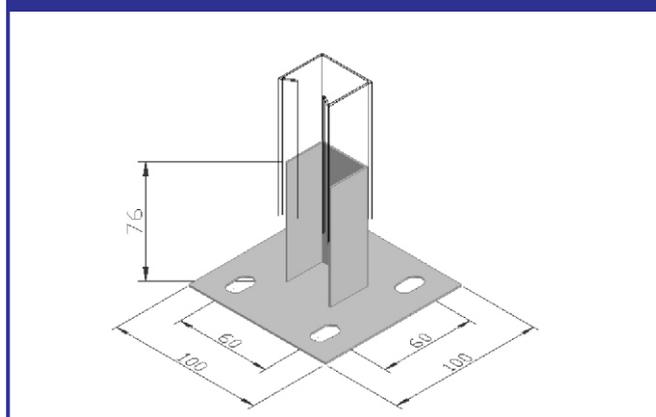
Caixa para tomada em perfilado



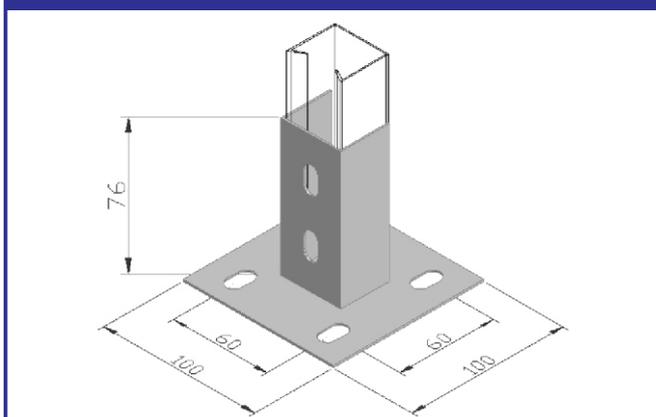
Base interna com 1 furo



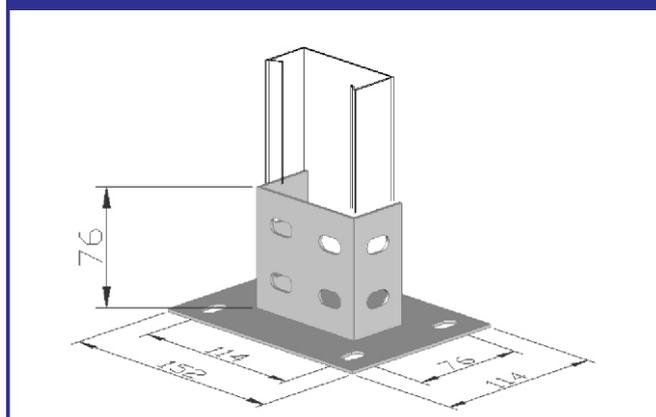
Base interna com 4 furos



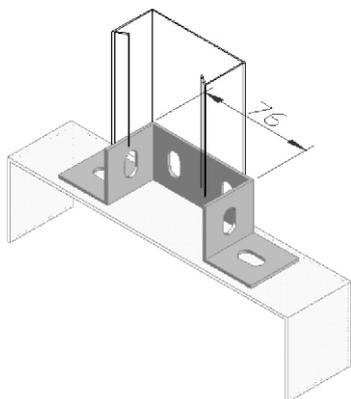
Base externa com 4 furos



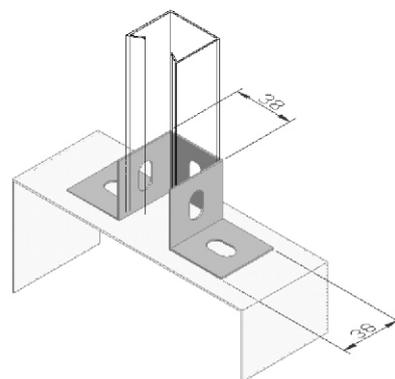
Base externa dupla com 4 furos



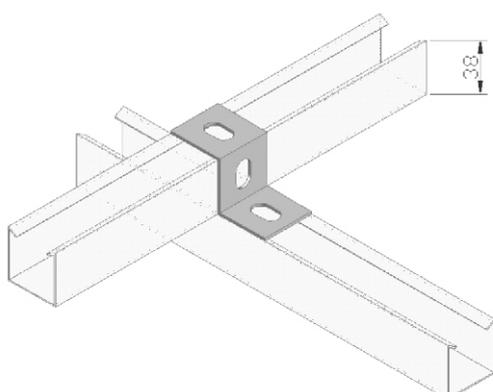
Base dupla para ligação em painel



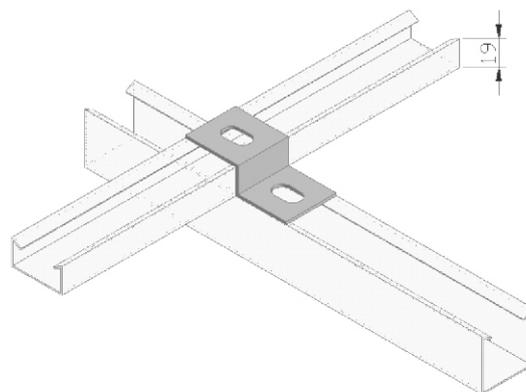
Base para ligação em painel



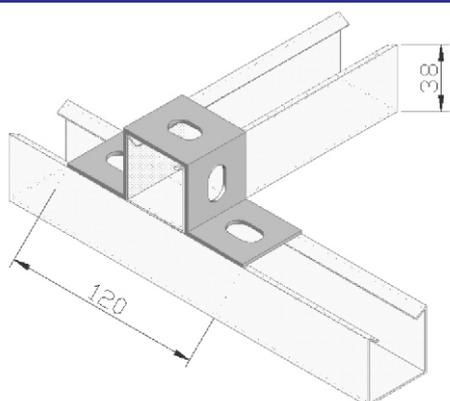
Cantoneira 'Z'



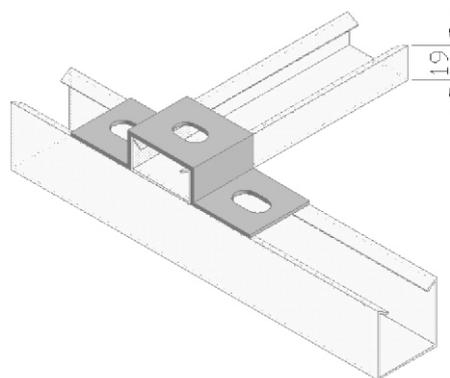
Cantoneira 'Z' meia



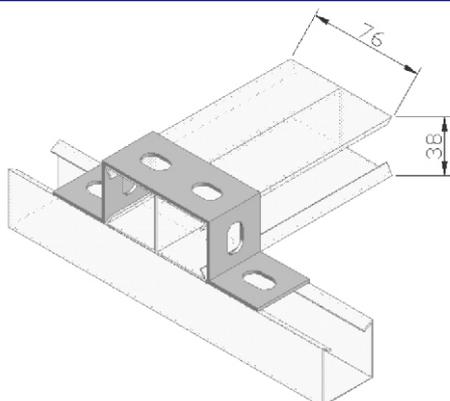
Cantoneira 'ZZ'



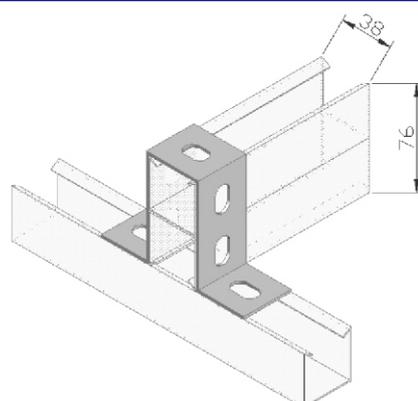
Cantoneira 'ZZ' meia



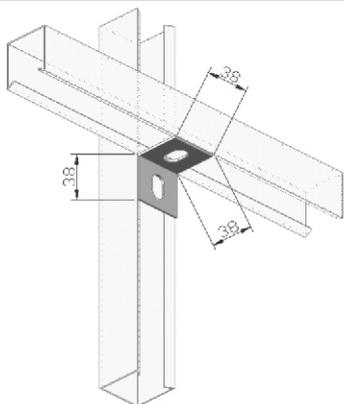
Cantoneira 'ZZ' dupla horizontal



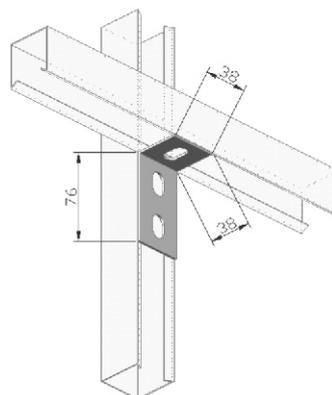
Cantoneira 'ZZ' dupla vertical



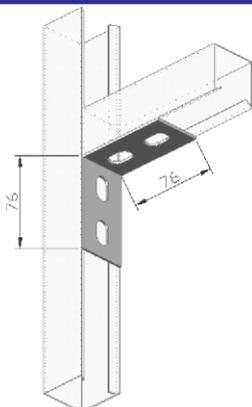
Cantoneira com 2 furos simples



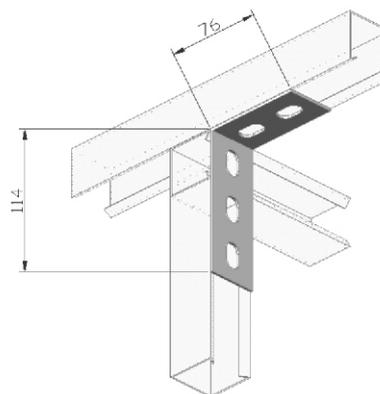
Cantoneira com 3 furos simples



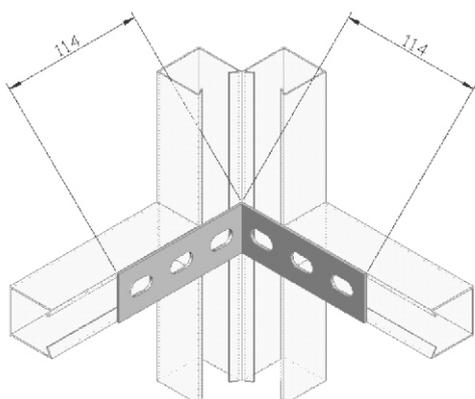
Cantoneira com 4 furos simples



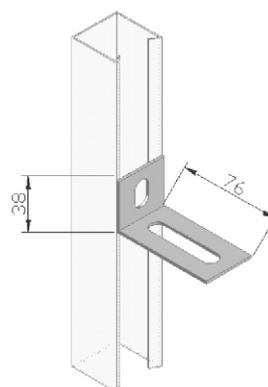
Cantoneira com 5 furos simples



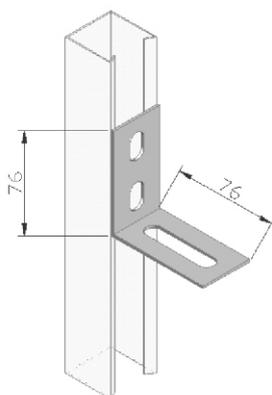
Cantoneira com 8 furos simples



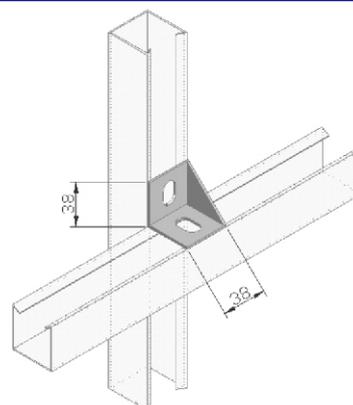
Cantoneira com 1 furo e 1 rasgo



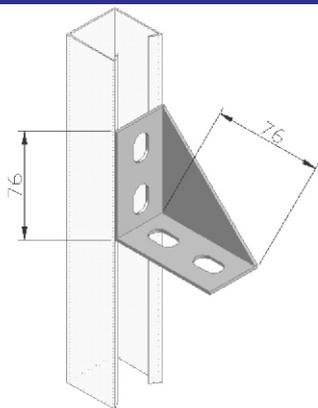
Cantoneira com 2 furos e 1 rasgo



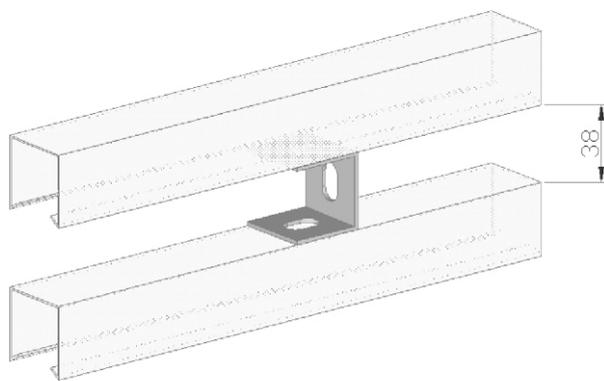
Cantoneira com 2 furos reforçada



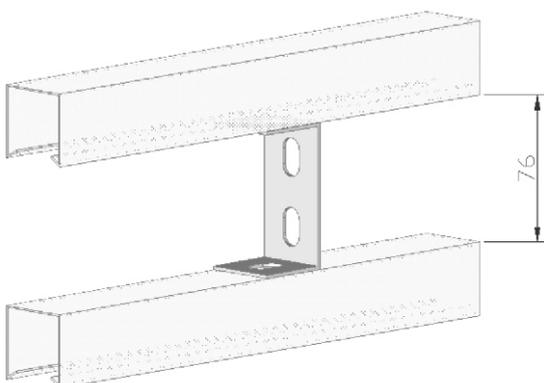
Cantoneira com 4 furos reforçada



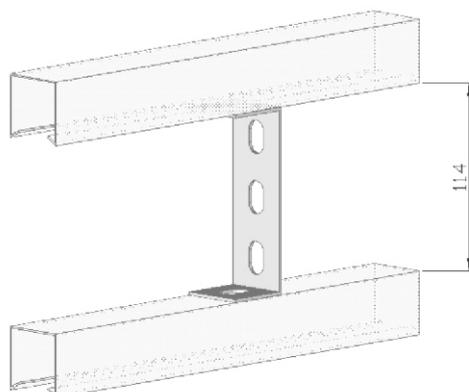
Distanciador com 1 furo



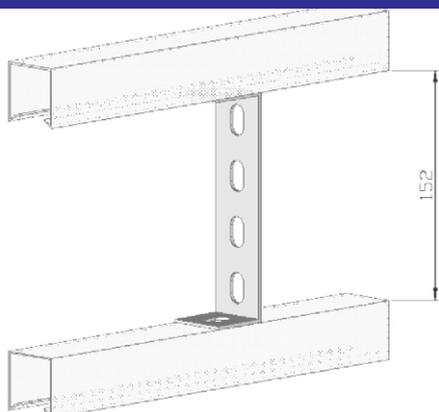
Distanciador com 2 furos



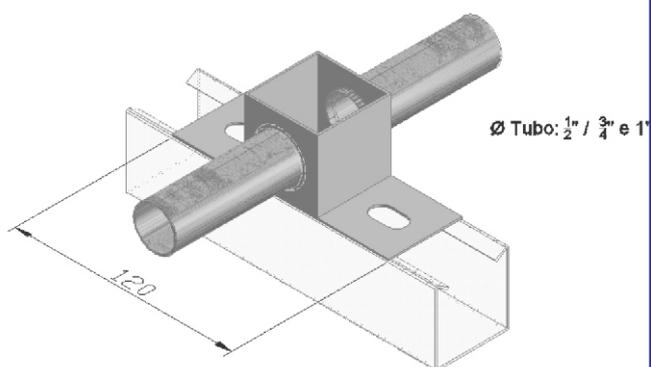
Distanciador com 3 furos



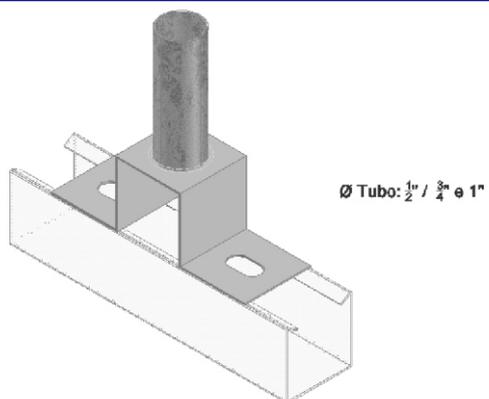
Distanciador com 4 furos



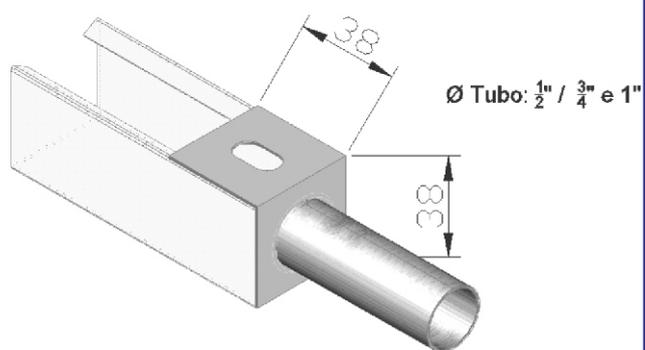
Saída lateral dupla para eletroduto



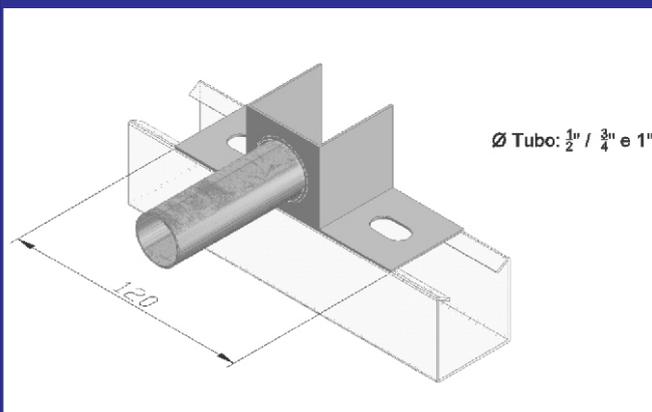
Saída superior para eletroduto



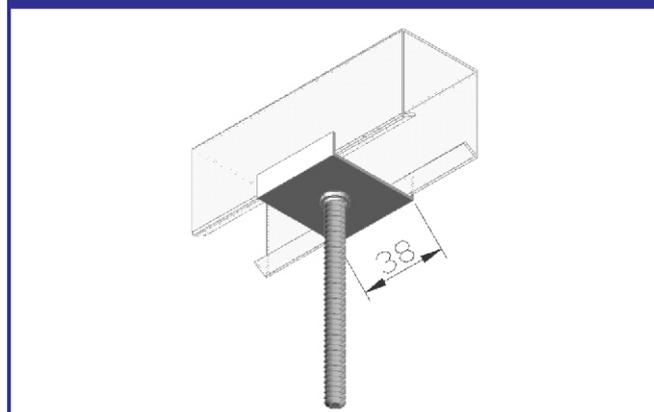
Saída final para eletroduto



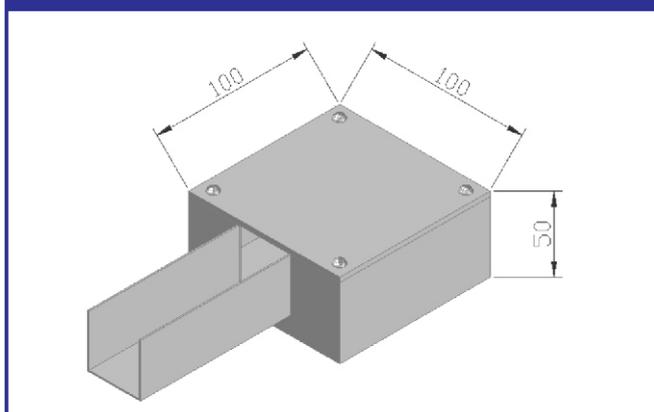
Saída simples para eletroduto



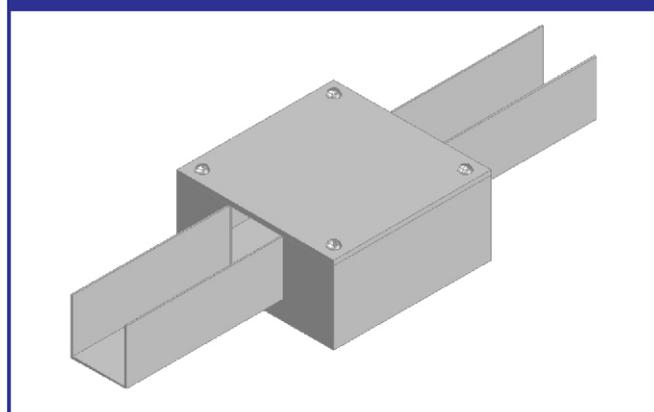
Arruela adaptadora



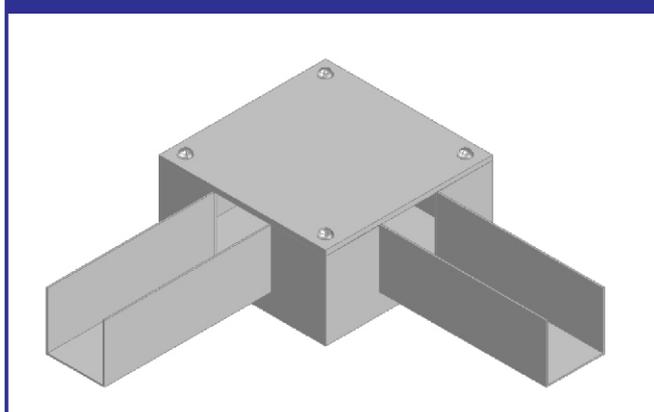
Caixa de derivação 'I'



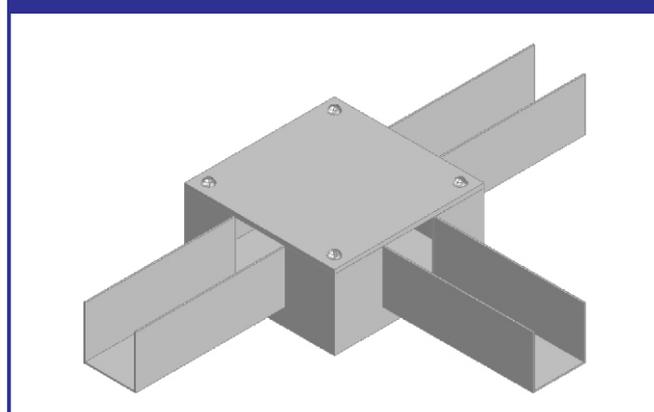
Caixa de derivação 'C'



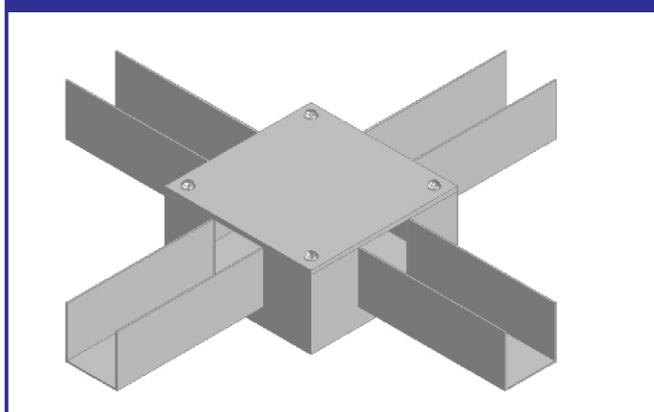
Caixa de derivação 'L'



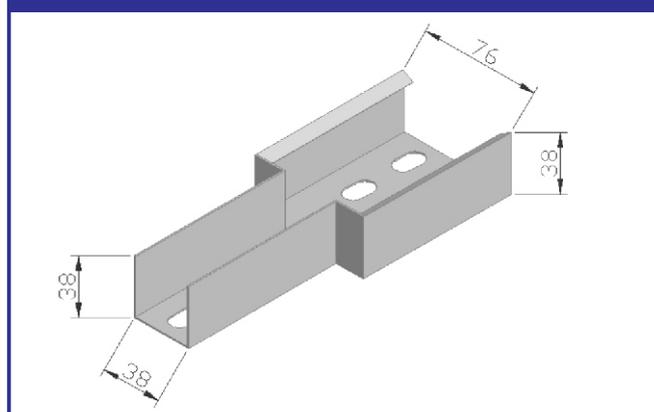
Caixa de derivação 'T'



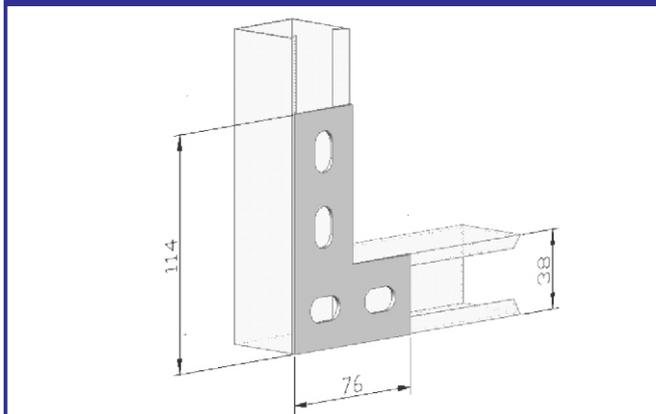
Caixa de derivação 'X'



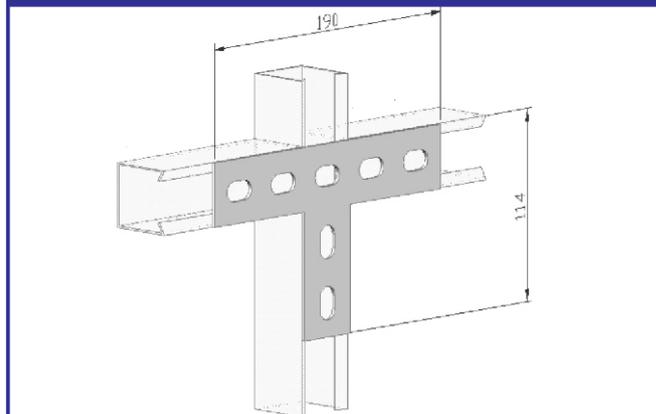
Redução concêntrica 38 para 76mm



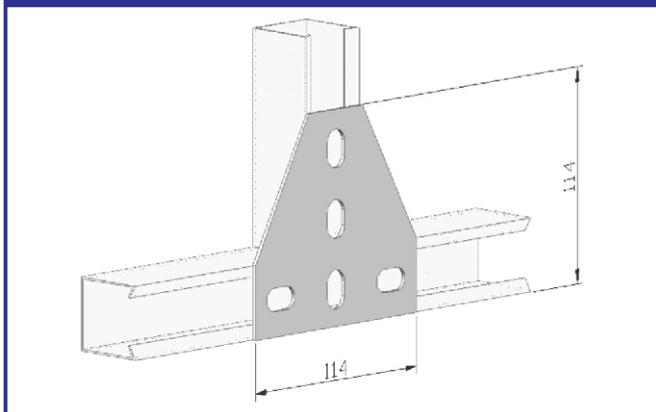
Junção plana 'L'



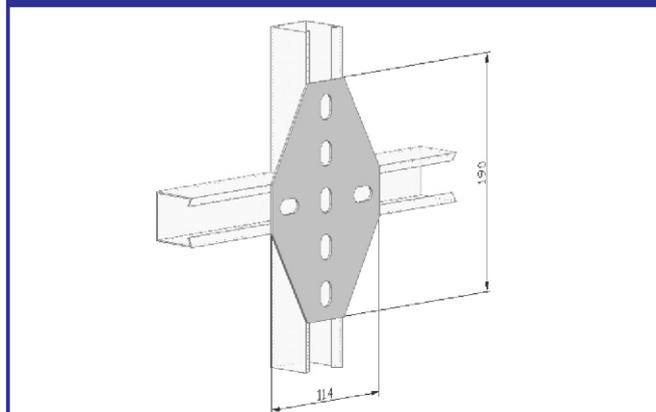
Junção plana 'T'



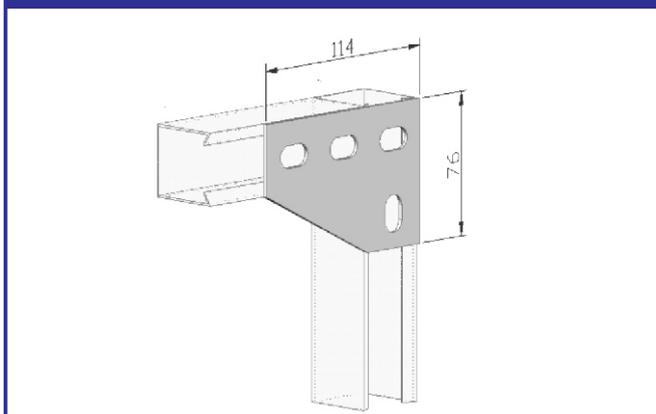
Junção plana 'T' reforçada



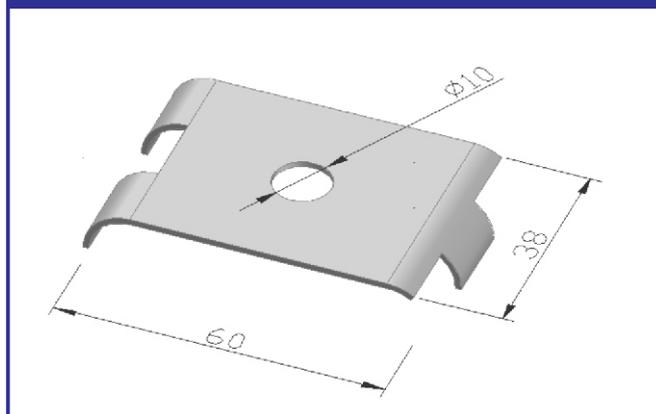
Junção plana 'X' reforçada



Junção plana 'L' reforçada



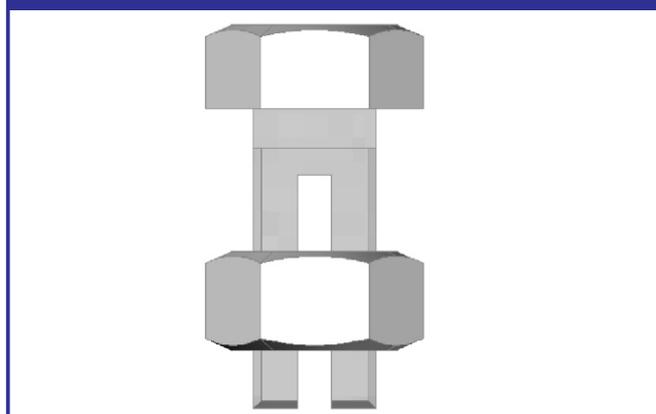
Grapa fixa



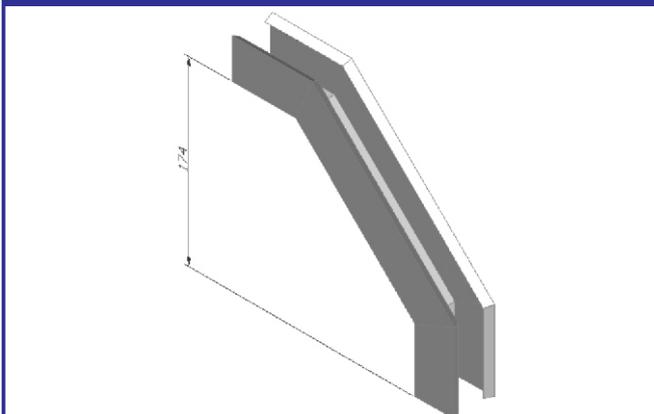
Cabo de aço



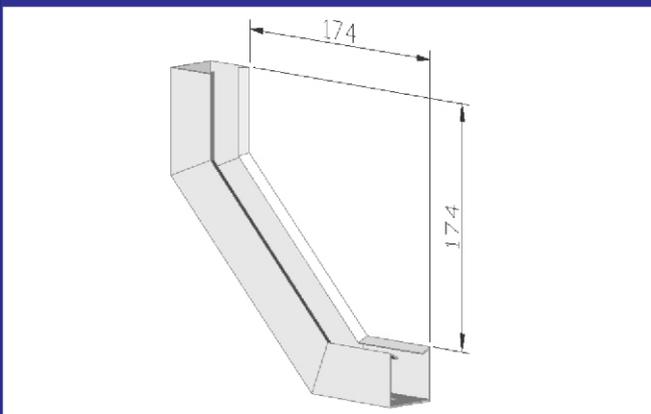
Conector de pressão para cabo de aço



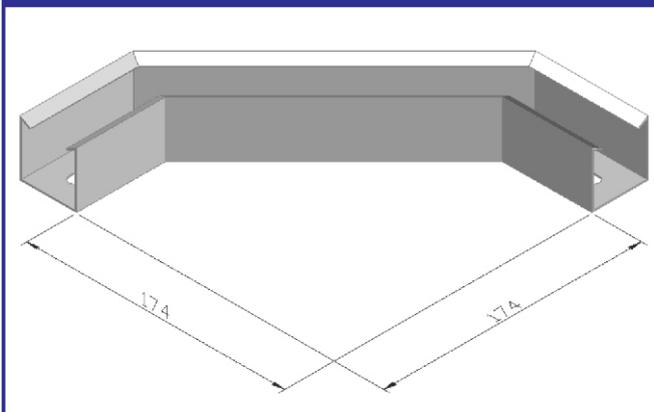
Curva vertical externa 90° para perfilado 38x38mm



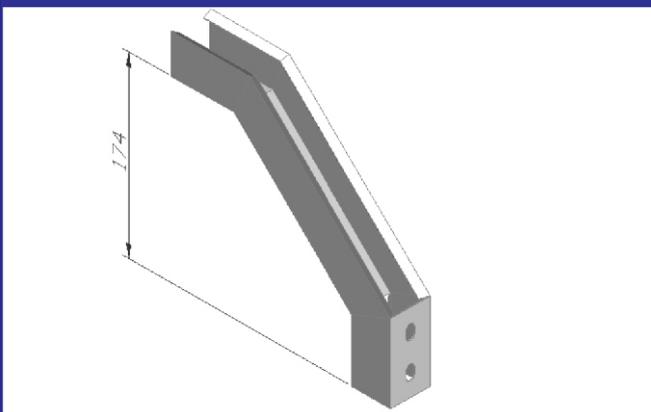
Curva vertical interna 90° para perfilado 38x38mm



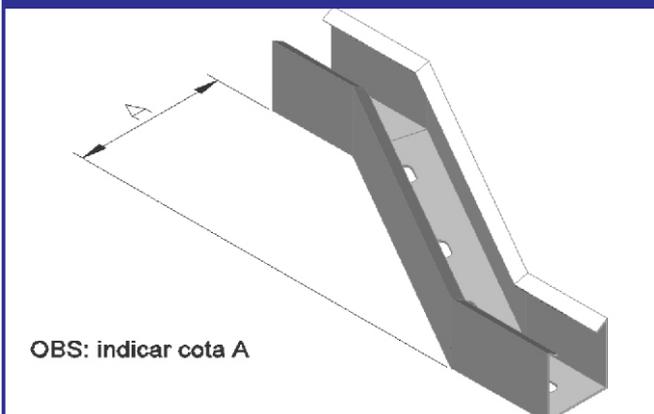
Curva horizontal 90° para perfilado 38x38mm



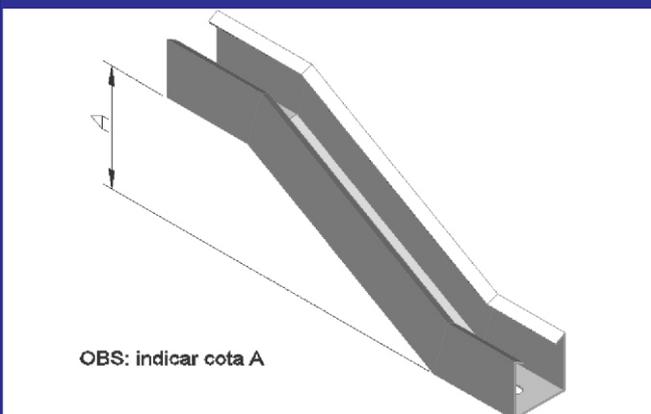
Curva de inversão 90° para perfilado 38x38mm



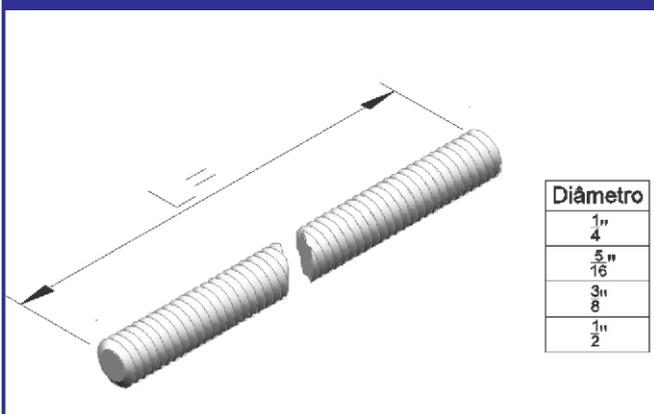
Desnível horizontal para perfilado 38x38mm



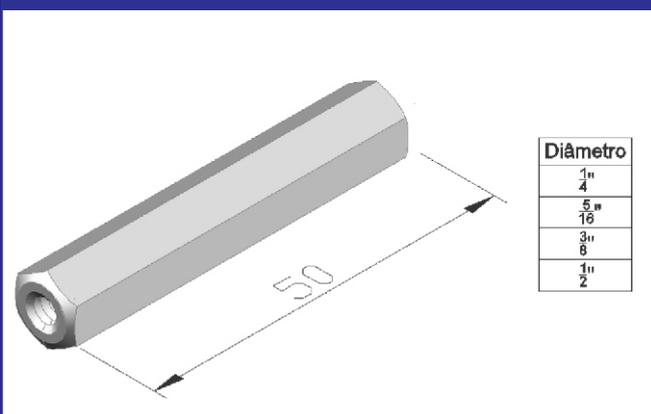
Desnível vertical para perfilado 38x38mm



Vergalhão rosca total



Prolongador para vergalhão



## Mão francesa simples

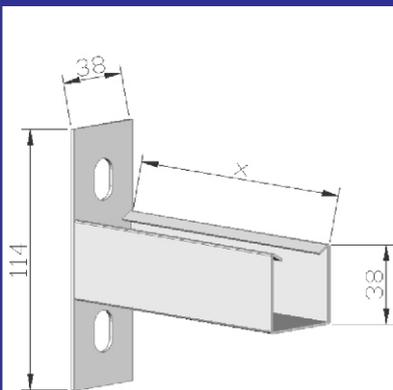


Tabela de cargas		
x mm	Peso	Flexa
200	61	0,7
300	48	1,0
400	35	1,7
500	27	2,5
600	23	3,6
700	19	3,8
800	15	4,1

Indicar cota "x"

## Mão francesa dupla

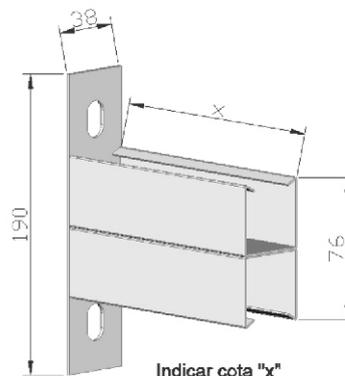


Tabela de cargas		
x mm	Peso	Flexa
200	174	0,3
300	163	0,5
400	156	1,0
500	86	1,5
600	74	2,2
700	64	3,1
800	55	4,2
900	48	5,0

Indicar cota "x"

## Mão francesa reforçada

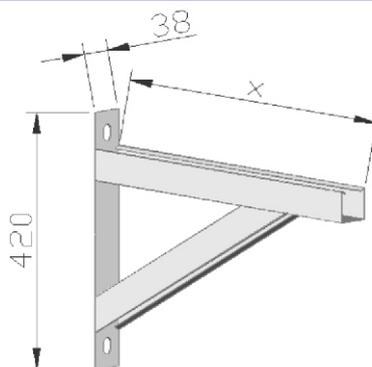
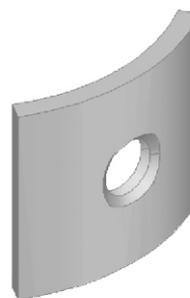


Tabela de cargas		
x mm	Peso	Flexa
300	492	1,7
400	439	2,1
500	383	2,9
600	332	3,2
800	297	4,0
900	259	4,8
1150	205	5,4
1400	187	6,7
1650	140	7,9

Indicar cota "x"

## Porca losangular



### Rosca "WW"

1/4"

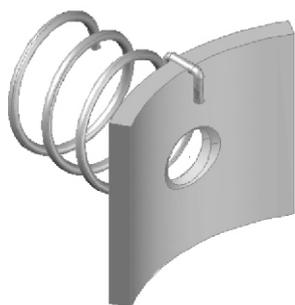
5/16"

3/8"

1/2"

OBS: especificar o diâmetro

## Porca losangular com mola



### Rosca "WW"

1/4"

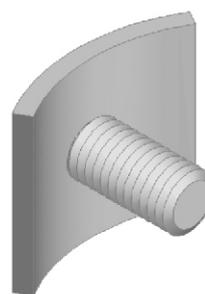
5/16"

3/8"

1/2"

OBS: especificar o diâmetro

## Porca losangular com pino



### Rosca "WW"

1/4"

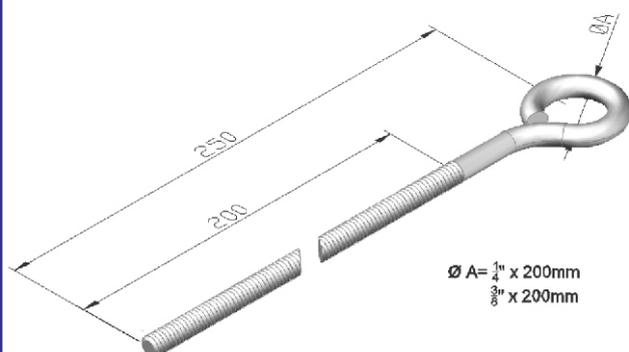
5/16"

3/8"

1/2"

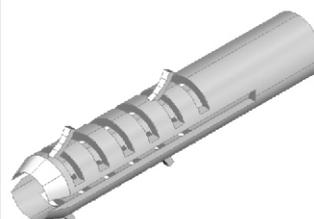
OBS: especificar o diâmetro

## Parafuso olhal



Ø A = 1/4" x 200mm  
3/8" x 200mm

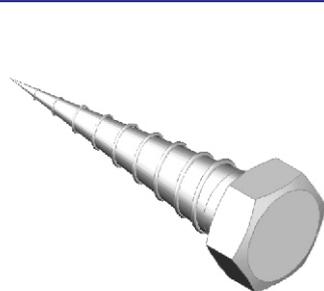
## Bucha de nylon



Bucha nylon	Ø broca mm
S - 6	6mm
S - 8	8mm
S - 10	10mm
S - 12	12mm

OBS: especificar o diâmetro

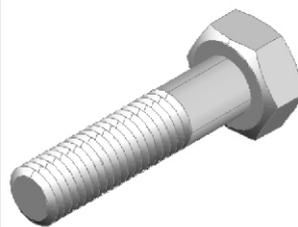
## Parafuso cabeça sextavada rosca soberba para bucha



Bucha	Dimensões
S - 8	4,8 x 38mm
S - 10	6,3 x 50mm
S - 12	7,9 x 50mm

OBS: especificar o diâmetro e o comprimento

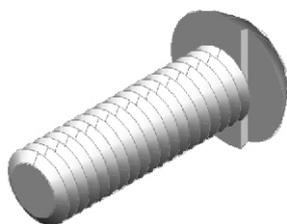
## Parafuso cabeça sextavada



Rosca "WW"	Comprimento
1/4"	1/2"
	3/4"
5/16"	1"
	1 1/2"
3/8"	2"
	2 1/2"
1/2"	3"

OBS: especificar o diâmetro e o comprimento

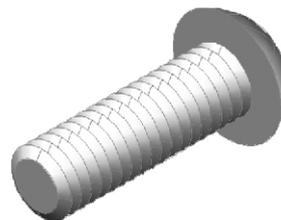
## Parafuso cabeça lentilha auto-travante



Rosca "WW"	Comprimento
1/4"	1/2"
1/4"	5/8"
1/4"	3/4"
5/16"	3/4"
3/8"	3/4"

OBS: especificar o diâmetro e o comprimento

## Parafuso cabeça lentilha com fenda



Rosca "WW"	Comprimento
1/4"	1/2"
1/4"	5/8"
1/4"	3/4"
5/16"	3/4"
3/8"	3/4"

OBS: especificar o diâmetro e o comprimento

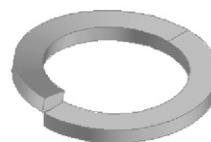
## Arruela lisa



Rosca "WW"
1/4"
5/16"
3/8"
1/2"

OBS: especificar o diâmetro

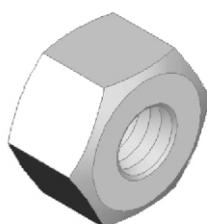
## Arruela de pressão



Rosca "WW"
1/4"
5/16"
3/8"
1/2"

OBS: especificar o diâmetro

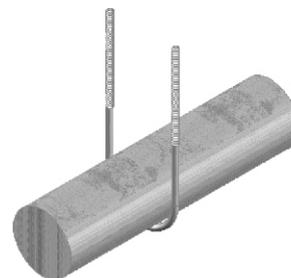
## Porca sextavada



Rosca "WW"
1/4"
5/16"
3/8"
1/2"

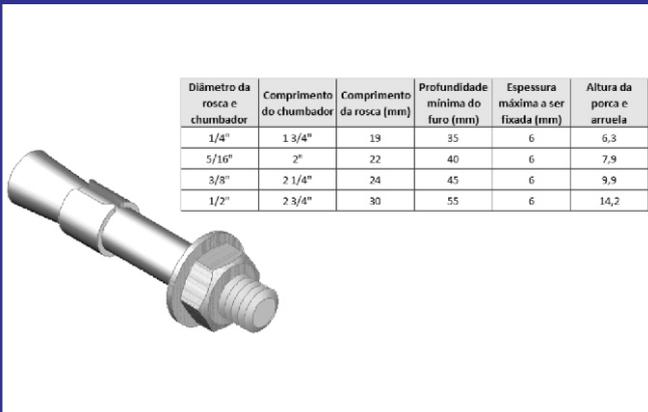
OBS: especificar o diâmetro

## Braçadeira 'U' de vergalhão

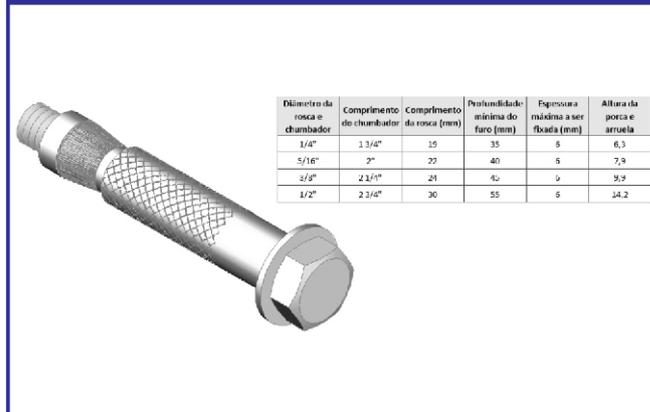


Ø Nominal
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
3 1/2"
4"
5"
6"
8"
10"
12"

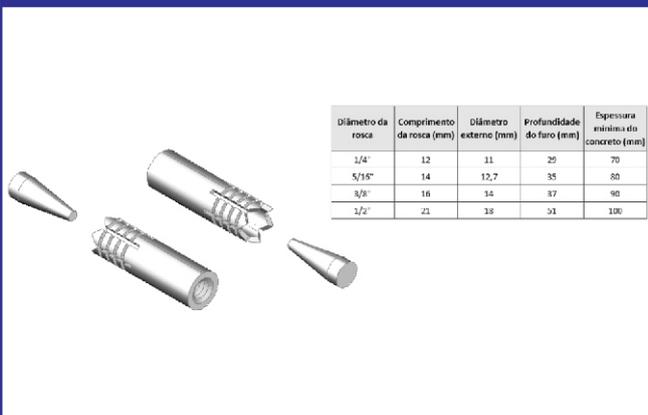
## Chumbador passante rosca externa



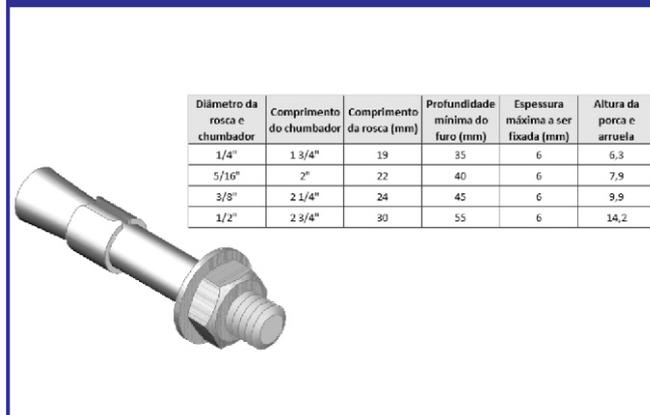
## Chumbador CB



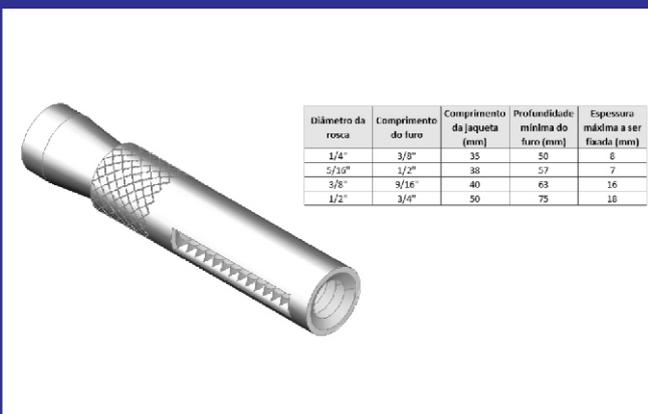
## Chumbador auto perfurante rosca interna UR



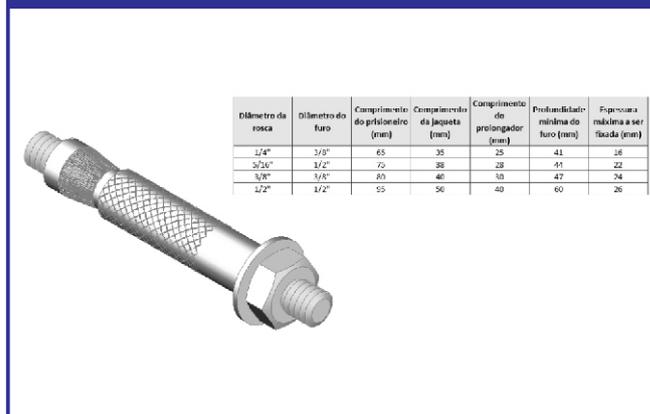
## Chumbador passante



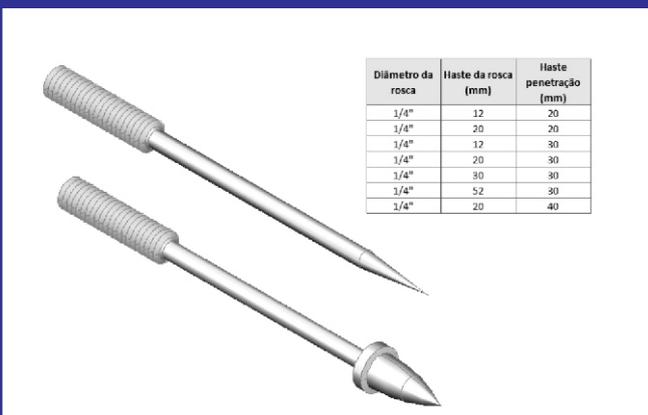
## Jaqueta e cone



## Prisioneiro



## Pinos com rosca

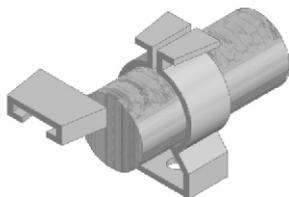


## Fitas metálicas



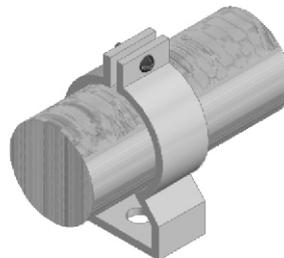


## Braçadeira 'D' com cunha



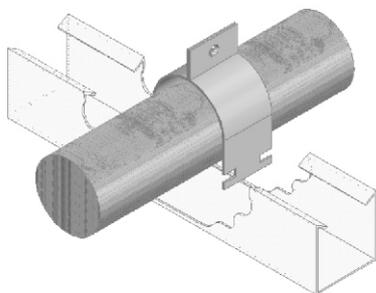
Ø Nominal
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
3 1/2"
4"

## Braçadeira 'D' com parafuso



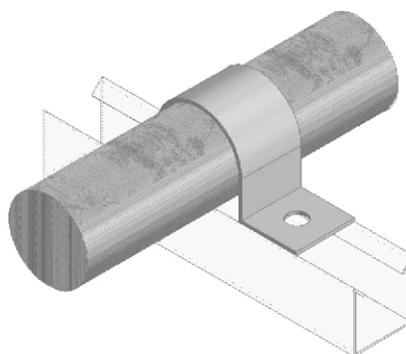
Ø Nominal
3/8"
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3 1/2"
3"
4"

## Braçadeira 'U' perfil com parafuso



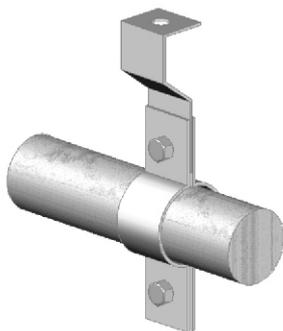
Ø Nominal
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
3 1/2"
4"

## Braçadeira Unha



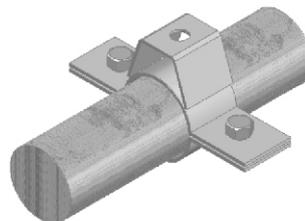
Ø Nominal
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
3 1/2"
4"

## Braçadeira união vertical



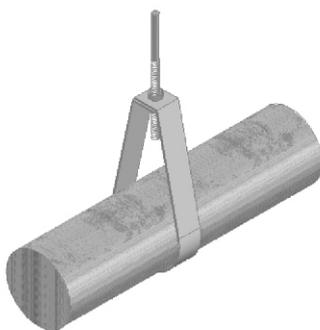
Ø Nominal
1/2"
3/4"
1"
1 1/2"
1 1/2"
2"
2 1/2"
3"
3 1/2"
4"
5"
6"
8"
10"
12"

## Braçadeira união horizontal



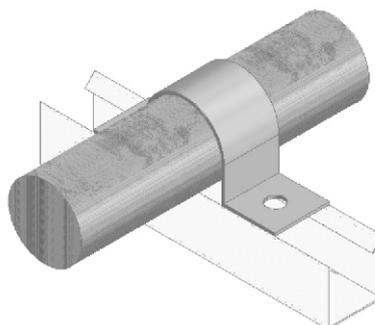
Ø Nominal
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
3 1/2"
4"
5"
6"
8"
10"
12"

## Braçadeira economica



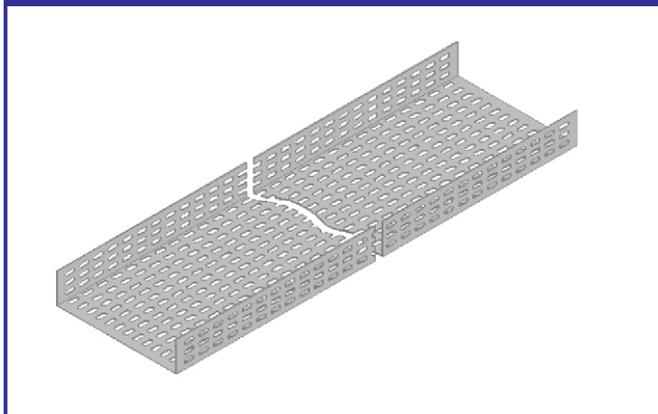
Ø Nominal
1/2"
3/4"
1"
1 1/2"
1 1/2"
2"
2 1/2"
3"
3 1/2"
4"
5"
6"
8"

## Braçadeira ômega

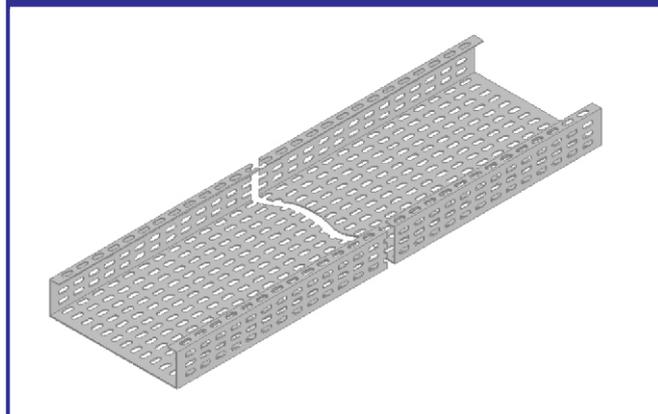


Ø Nominal
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
3 1/2"
4"

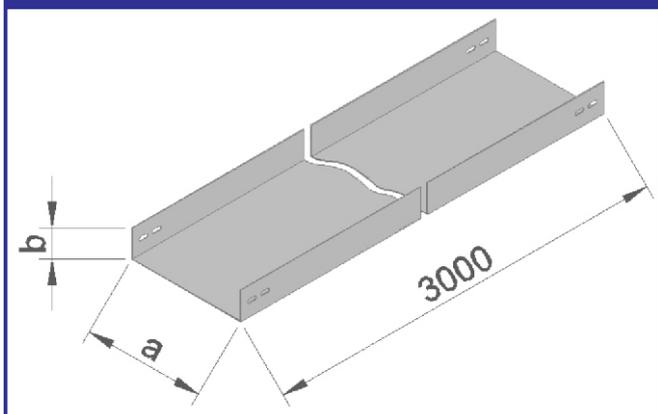
Eletrocalha perfurada



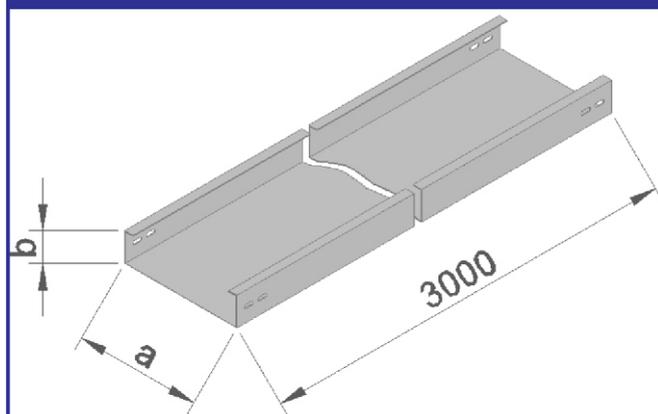
Eletrocalha perfurada com virola



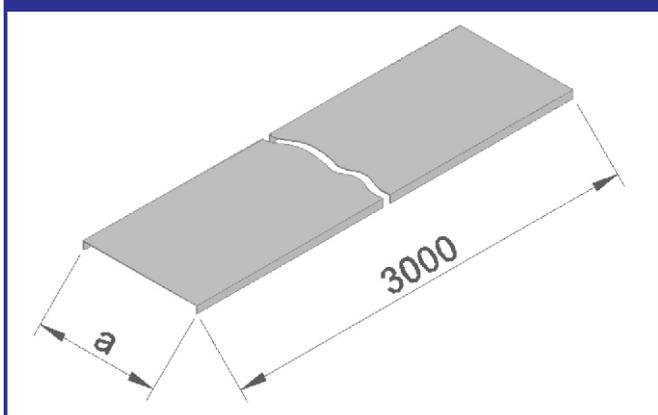
Eletrocalha lisa



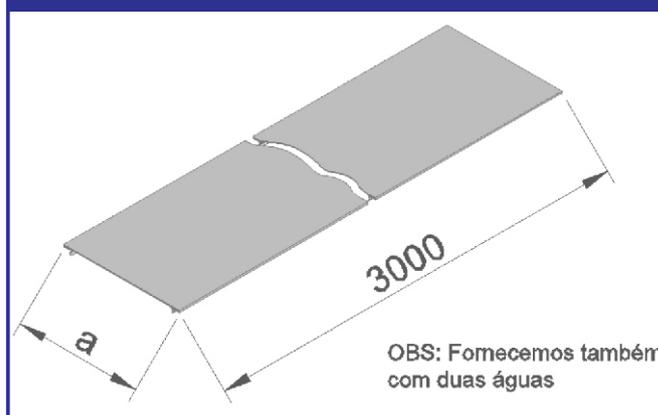
Eletrocalha lisa com virola



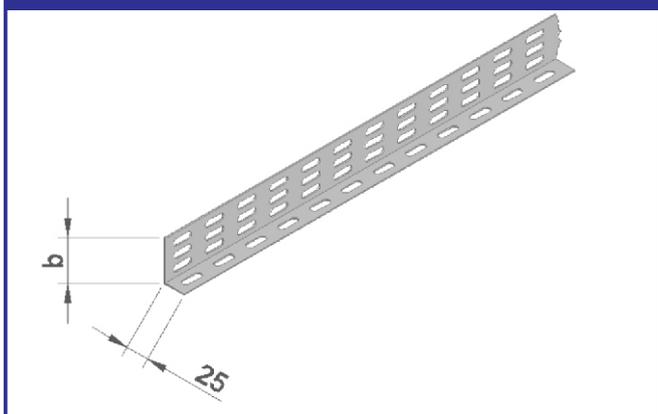
Tampa de de encaixe



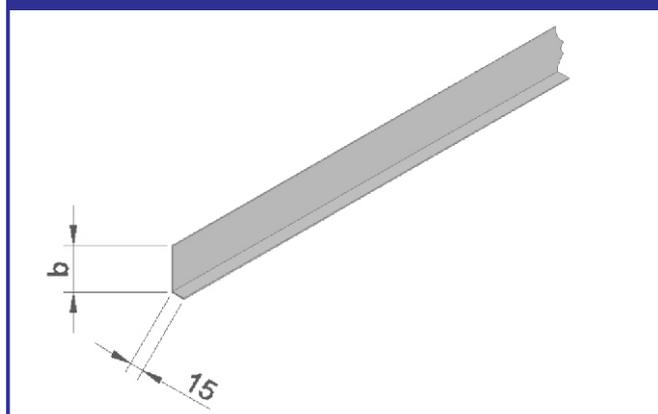
Tampa de pressão



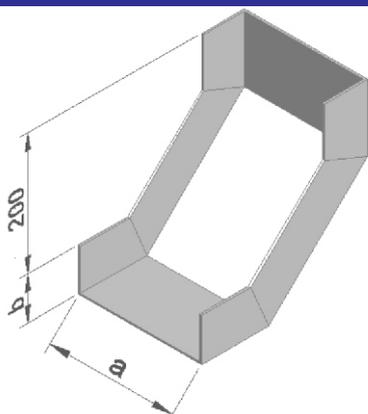
Septo divisor perfurado



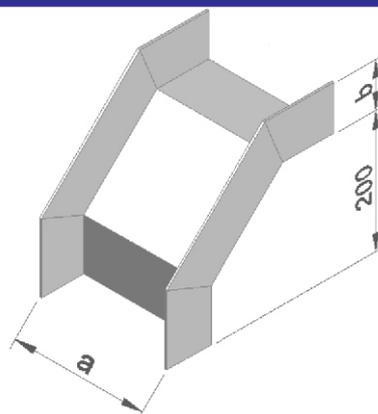
Septo divisor liso



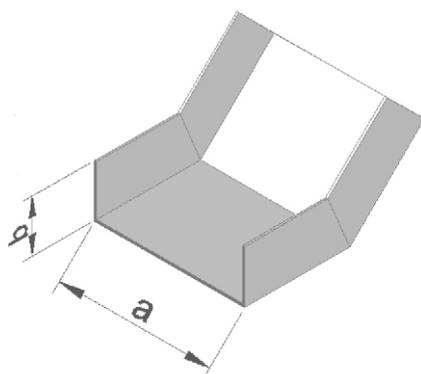
Curva vertical interna 90°



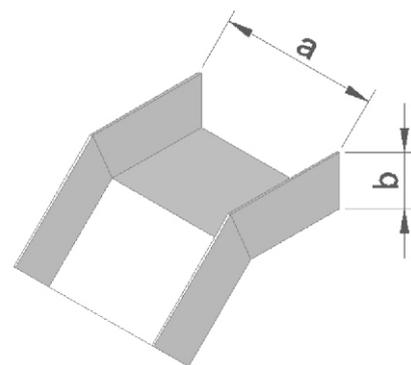
Curva vertical externa 90°



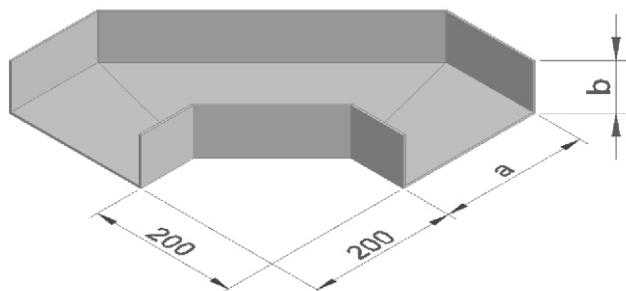
Curva vertical interna 45°



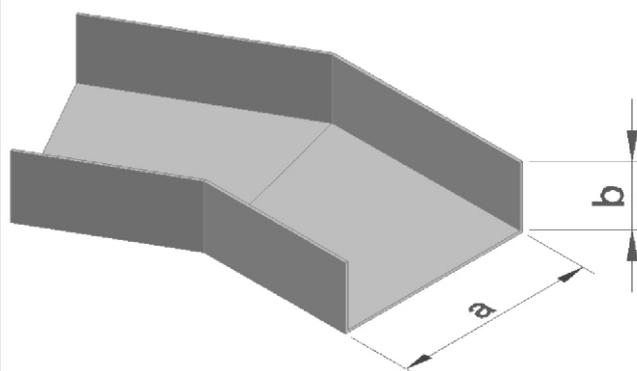
Curva vertical externa 45°



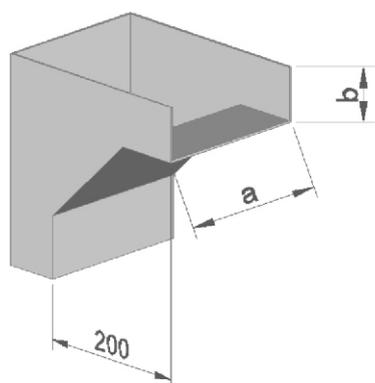
Curva horizontal 90°



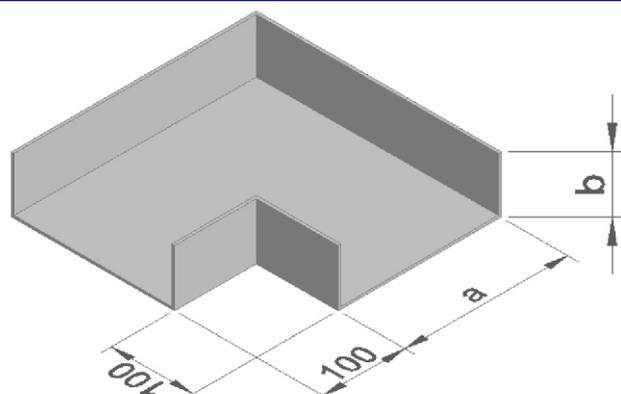
Curva horizontal 45°



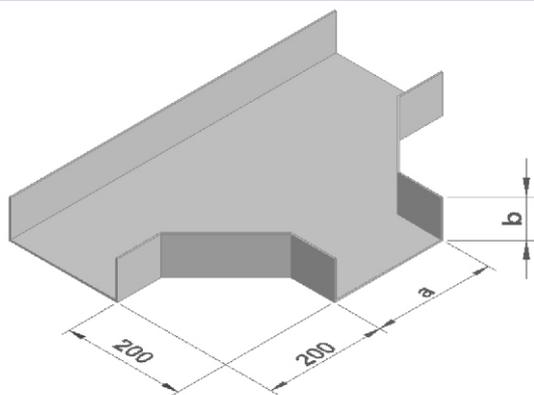
Curva de inversão 90°



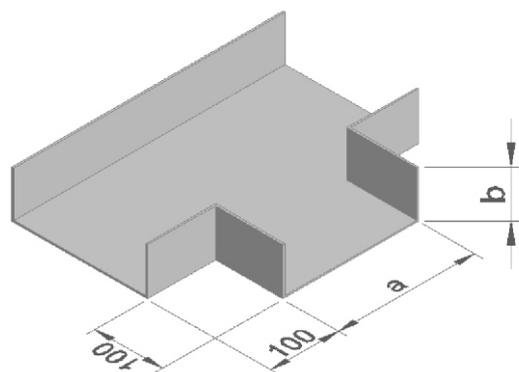
Cotovelo reto 90°



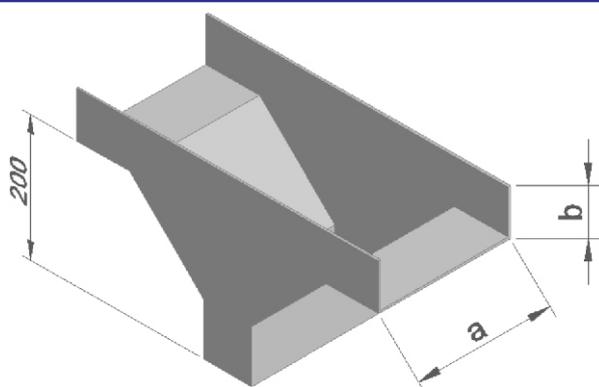
Te horizontal 90°



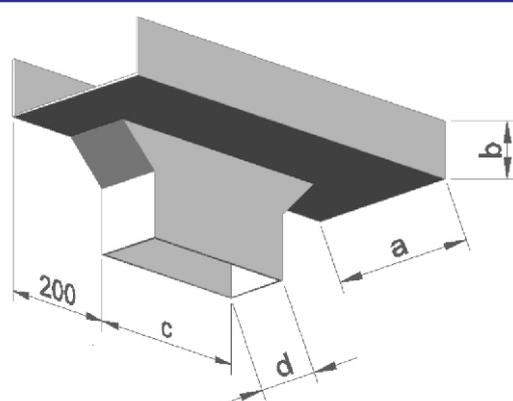
Te reto 90°



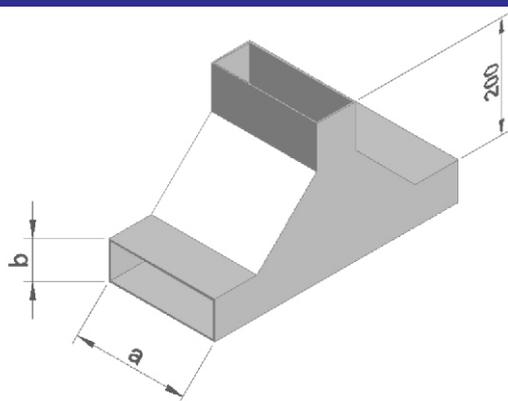
Te vertical de descida 90°



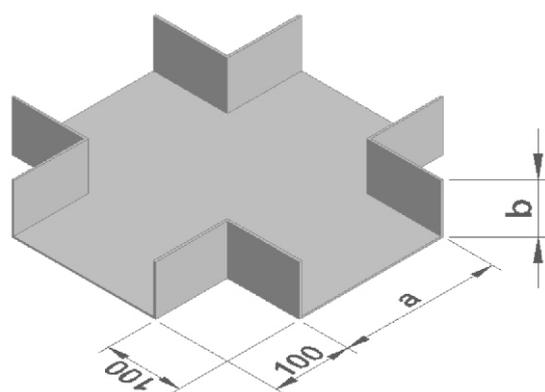
Te vertical de descida lateral 90°



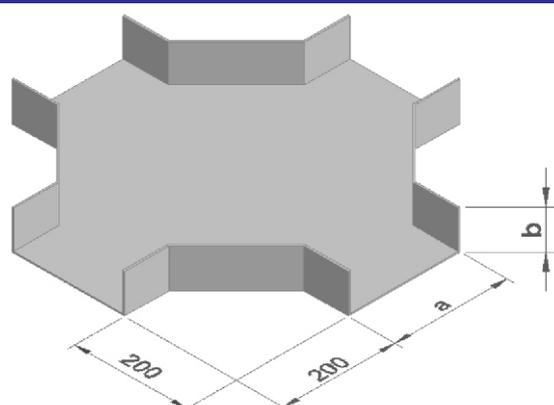
Te vertical de subida 90°



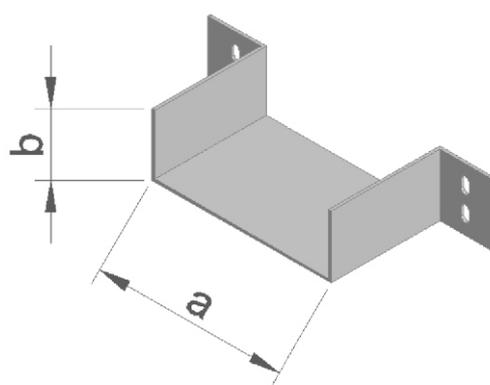
Cruzeta reta 90°



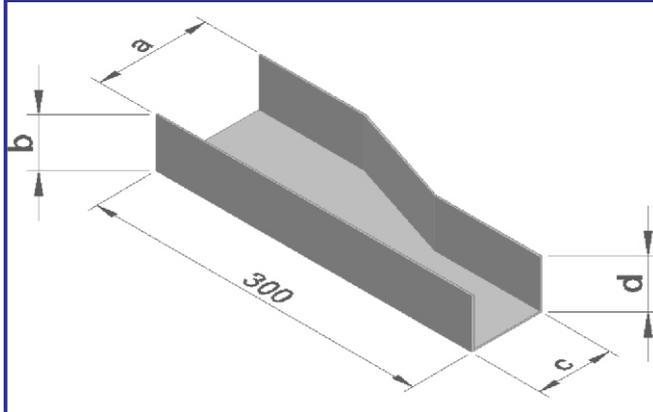
Cruzeta horizontal 90°



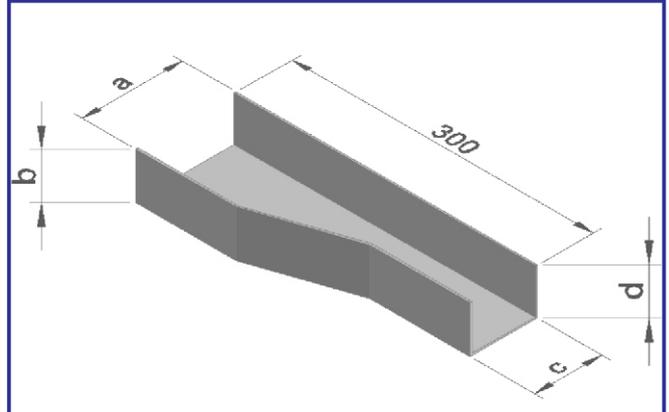
Flange para ligação em painel



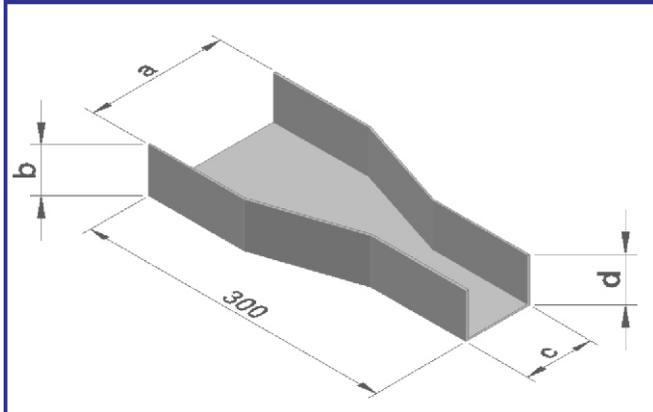
Redução à direita



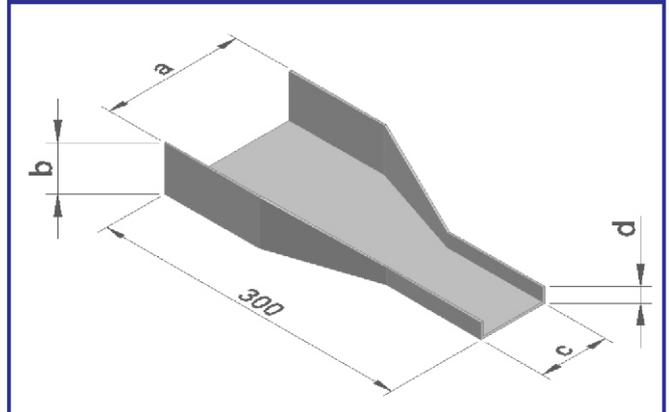
Redução à esquerda



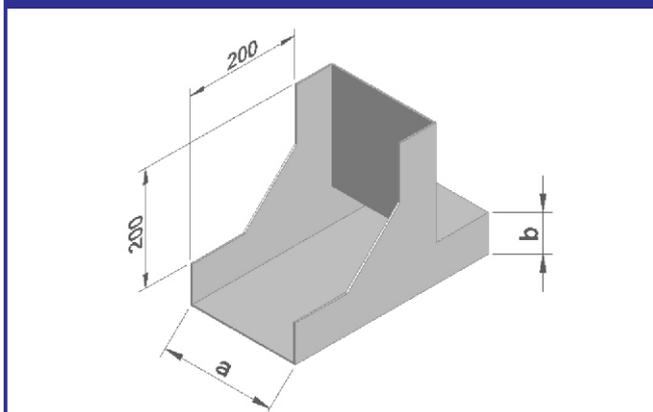
Redução concêntrica



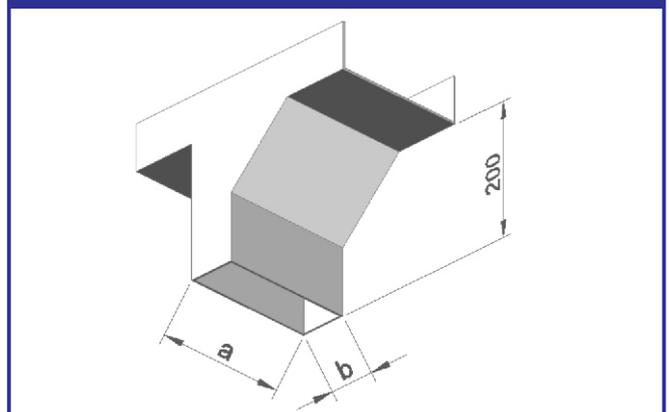
Redução de abas



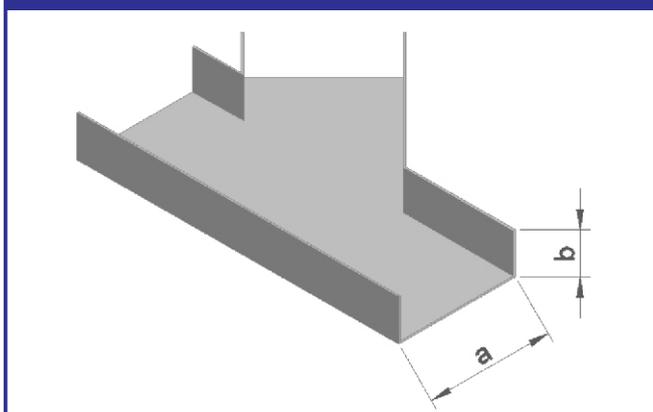
Curva com passagem reta subida 90°



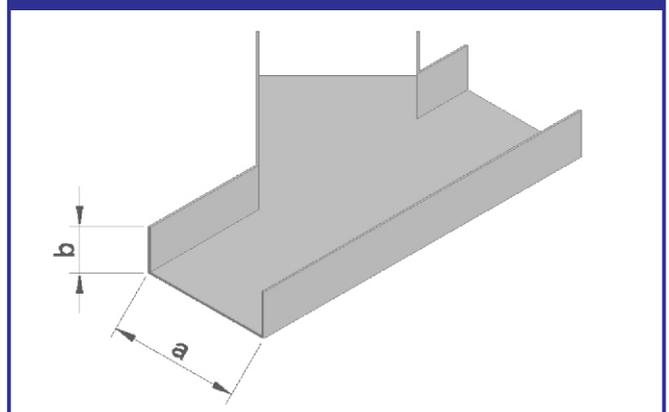
Curva com passagem reta descida 90°



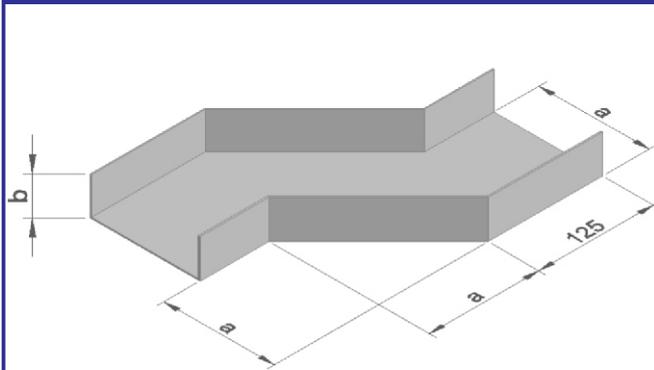
Junção à direita 45°



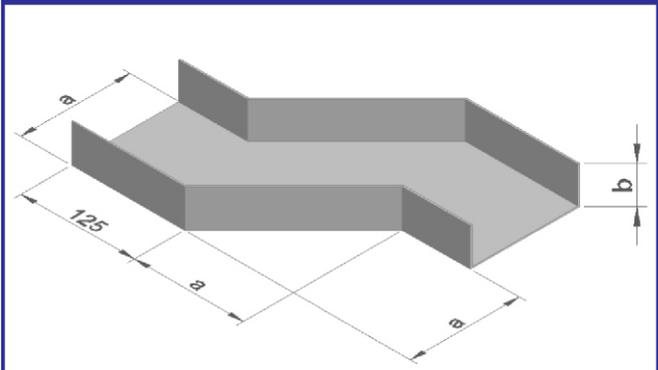
Junção à esquerda 45°



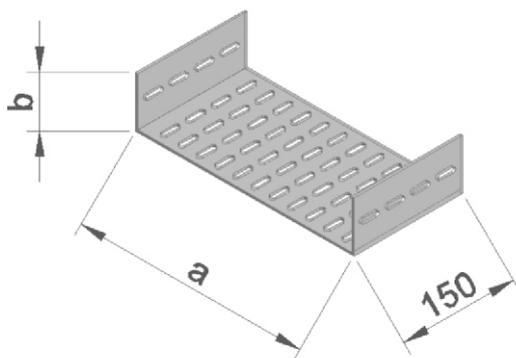
Desvio à direita 45°



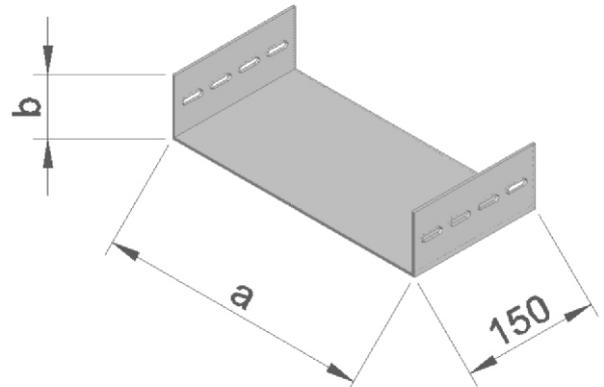
Desvio à esquerda 45°



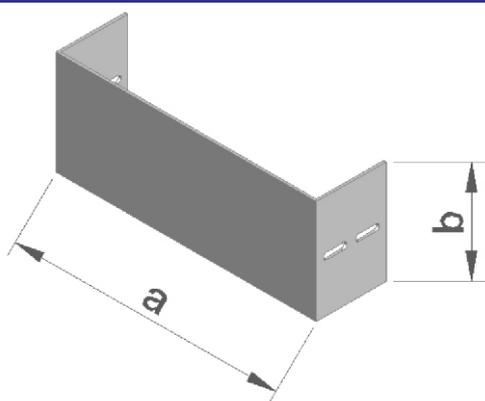
Emenda interna perfurada



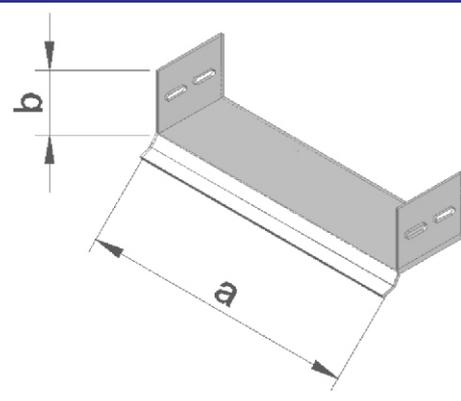
Emenda interna lisa



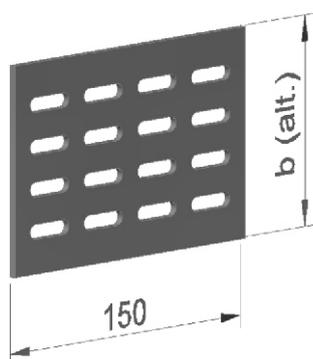
Terminal liso para eletrocalha



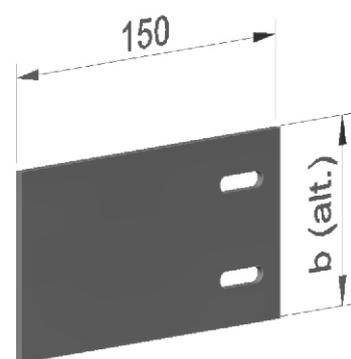
Gotejador



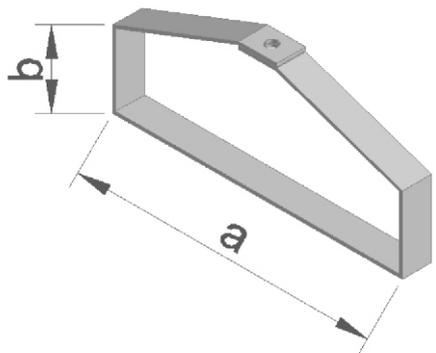
Tala para eletrocalha perfurada



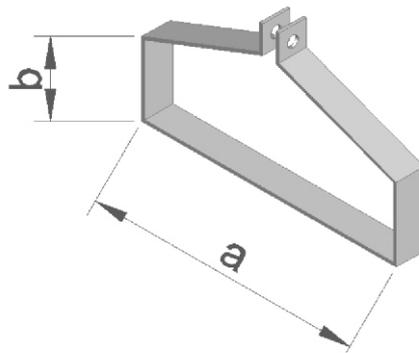
Tala para eletrocalha lisa



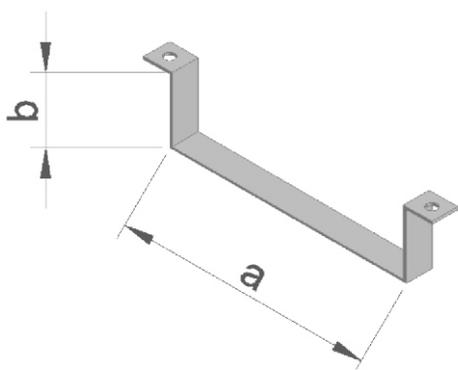
Suporte horizontal



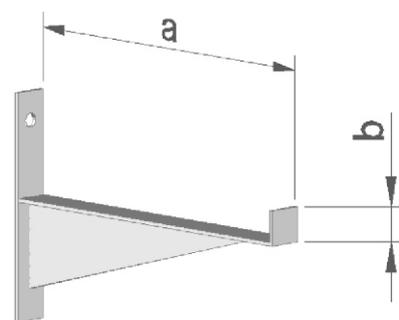
Suporte vertical



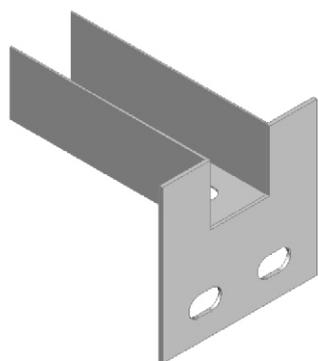
Suporte duplo



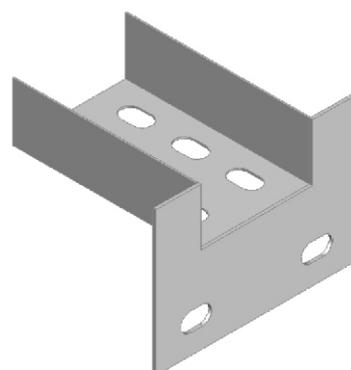
Suporte reforçado



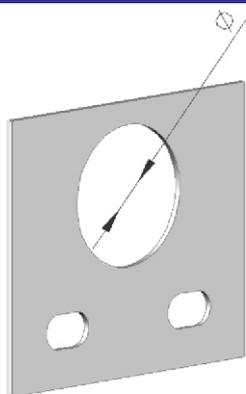
Acoplamento de eletrocalha para perfilado 38x38mm



Acoplamento de eletrocalha para perfilado 38x76mm

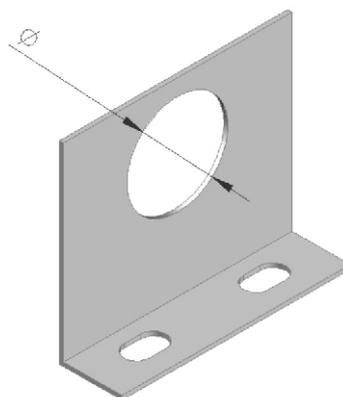


Saída horizontal para eletroduto



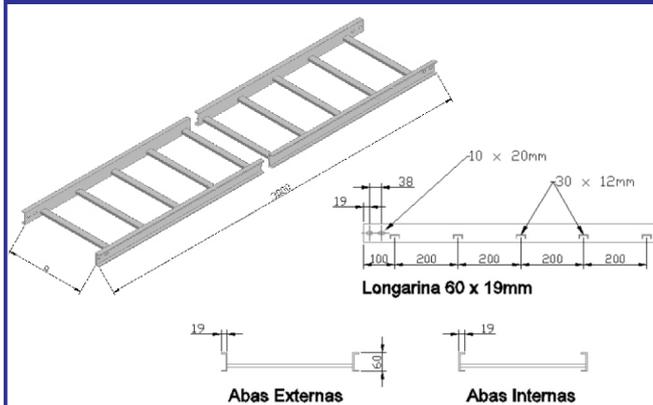
Ø Nominal
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
3"
3 1/2"
4"

Saída vertical para eletroduto

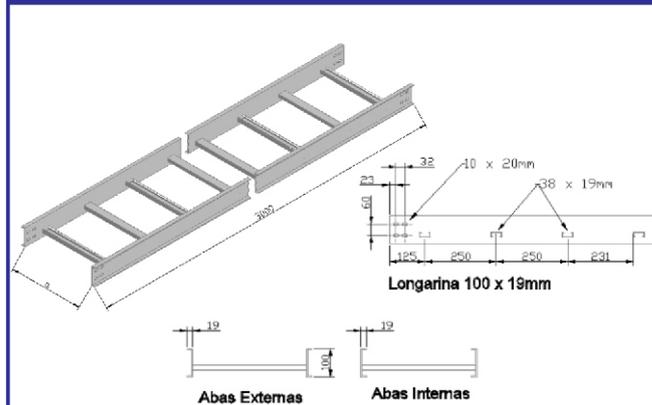


Ø Nominal
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
3"
3 1/2"
4"

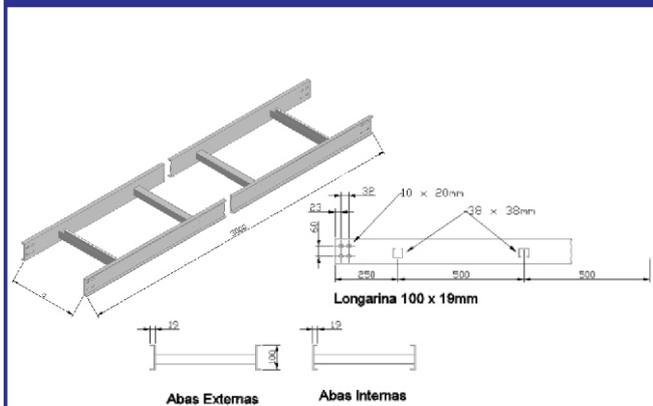
## Leito leve



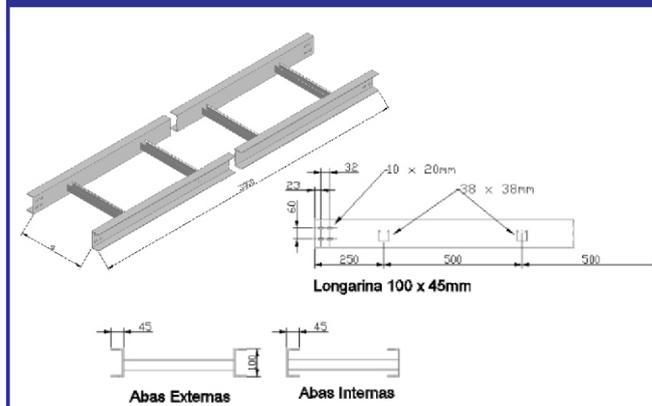
## Leito semi-pesado



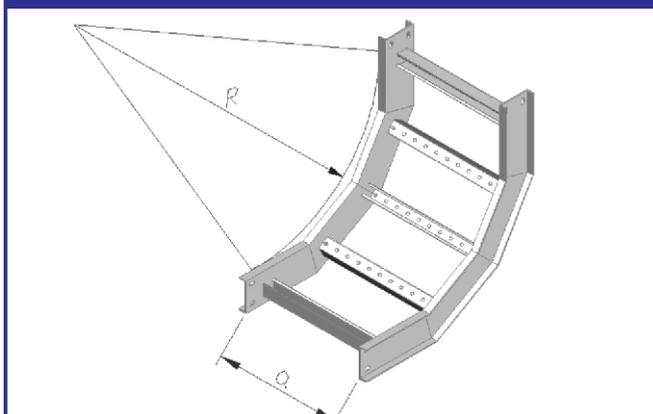
## Leito pesado



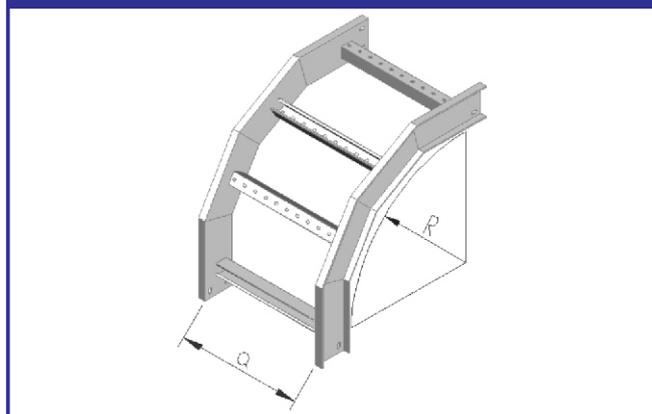
## Leito super pesado



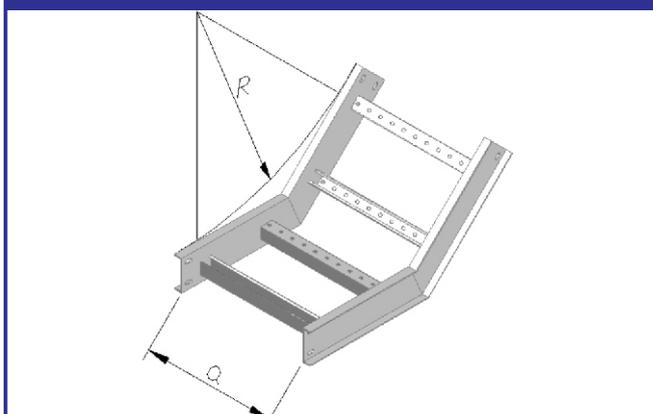
## Curva vertical interna 90°



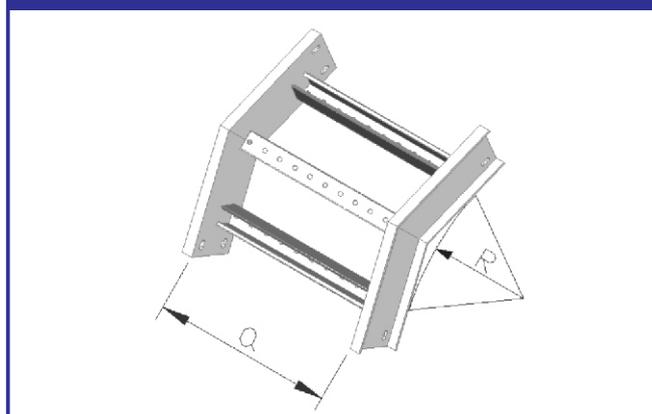
## Curva vertical externa 90°



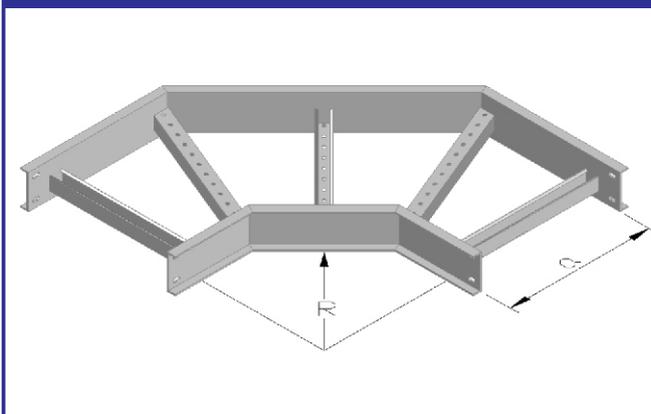
## Curva vertical interna 45°



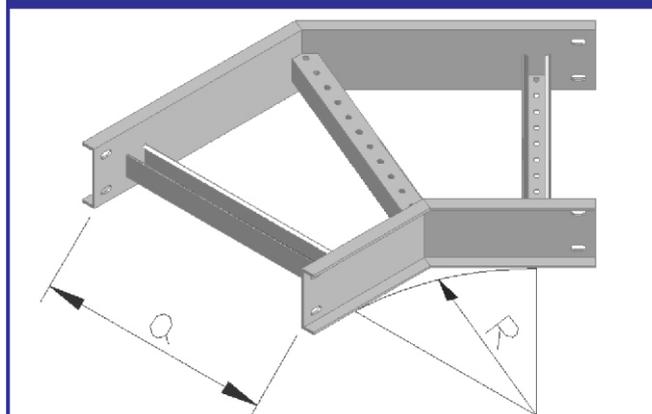
## Curva vertical externa 45°



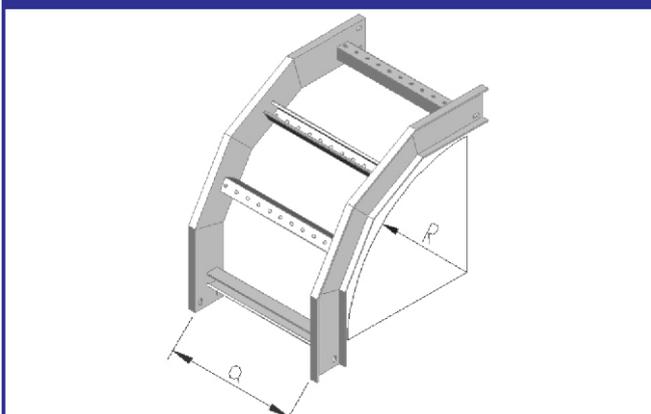
Curva horizontal 90°



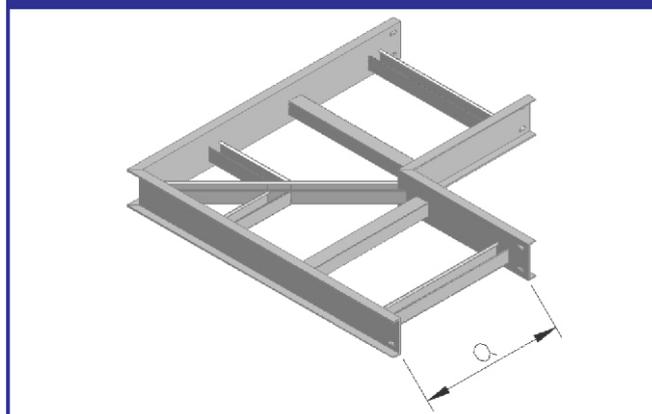
Curva horizontal 45°



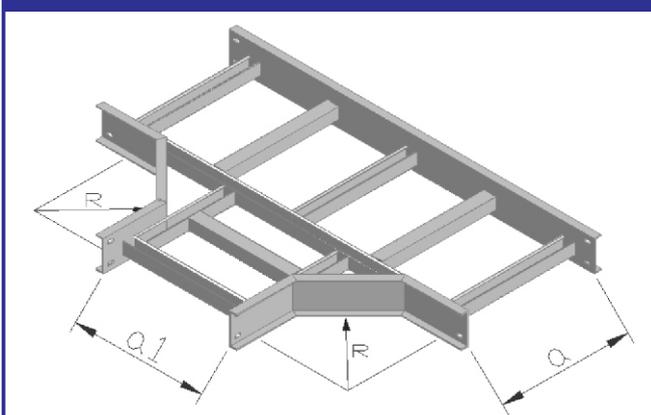
Curva de inversão 90°



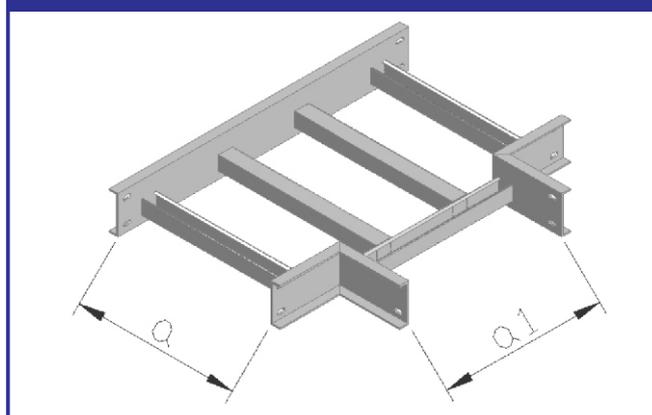
Cotovelo reto 90°



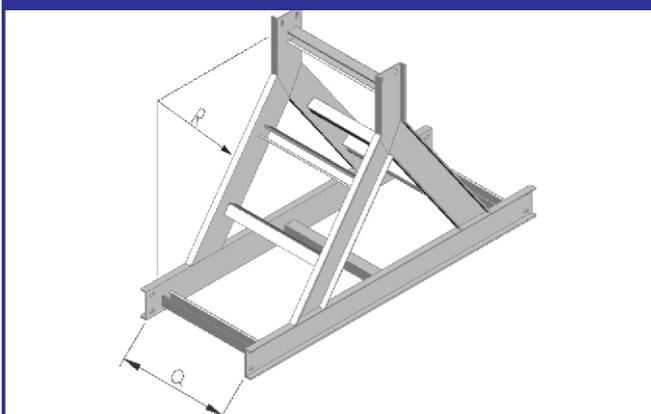
Tê horizontal 90°



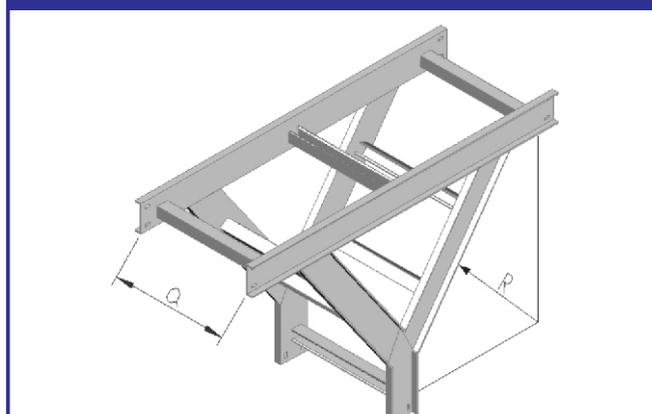
Tê reto 90°



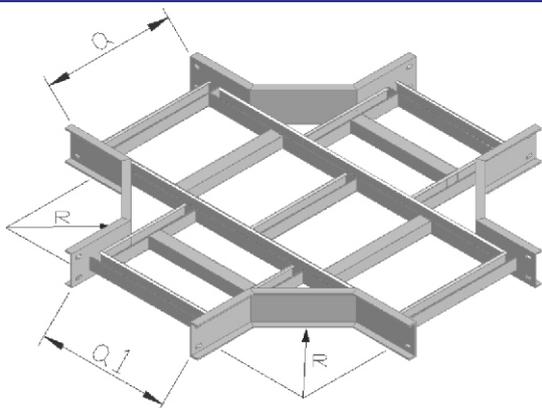
Tê vertical subida 90°



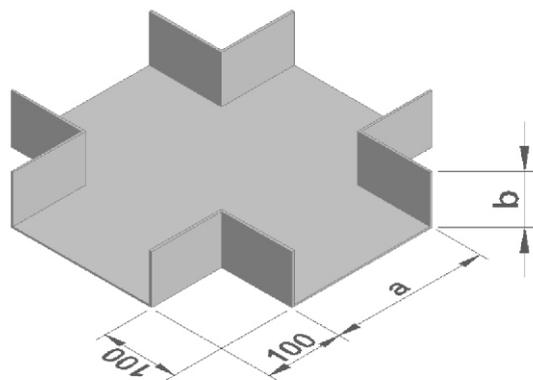
Tê vertical descida 90°



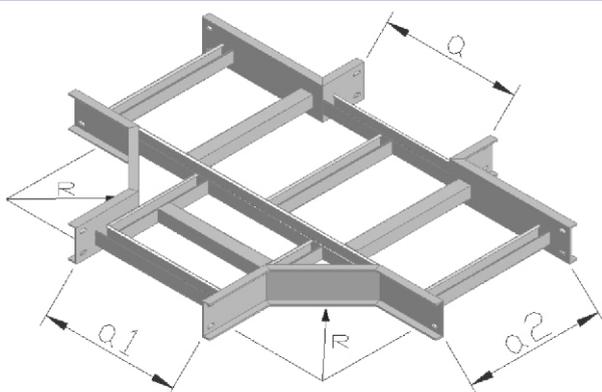
Cruzata horizontal



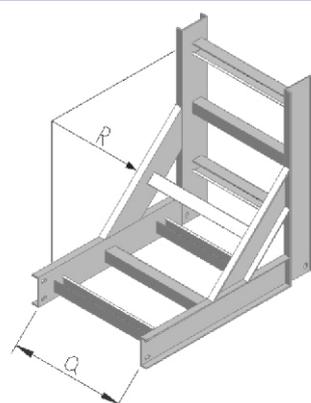
Cruzeta reta 90°



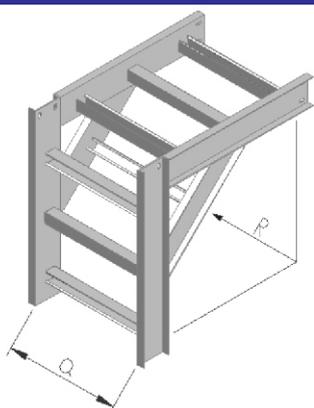
Cruzata com uma saída reta 90°



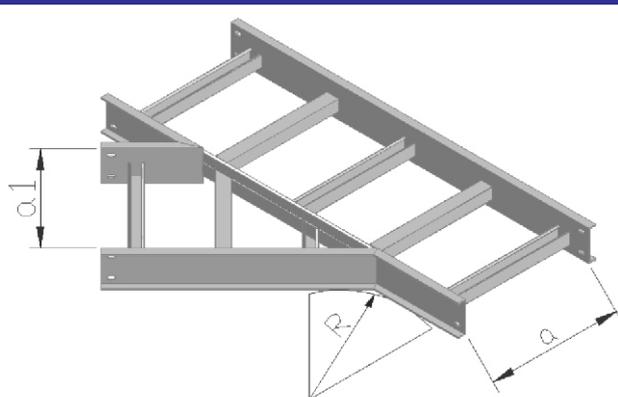
Curva com passagem reta subida



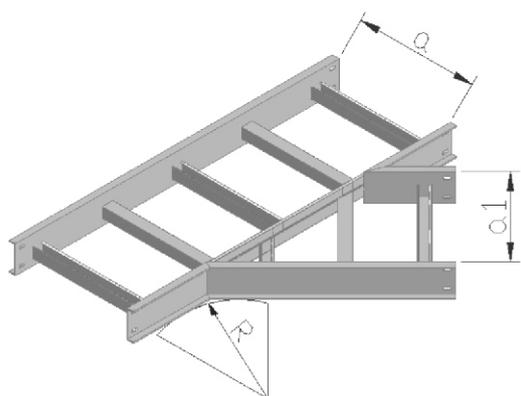
Curva com passagem reta descida



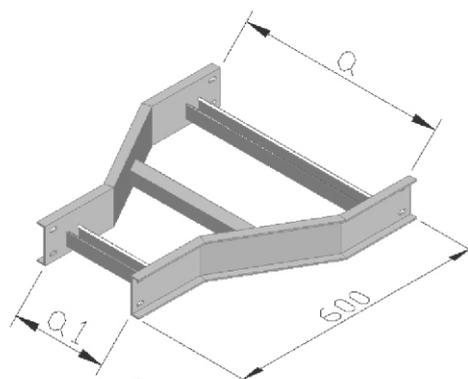
Junção à esquerda 45°



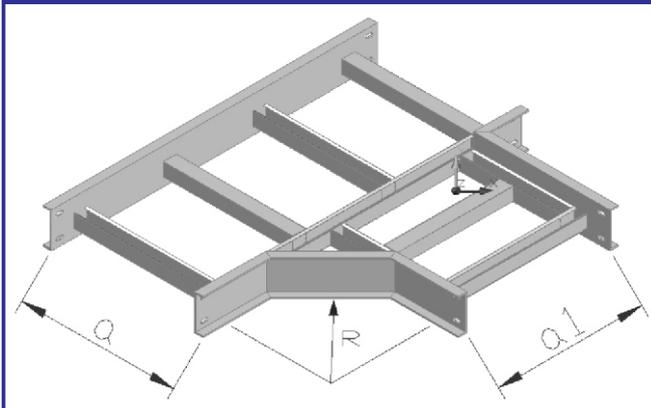
Junção à direita 45°



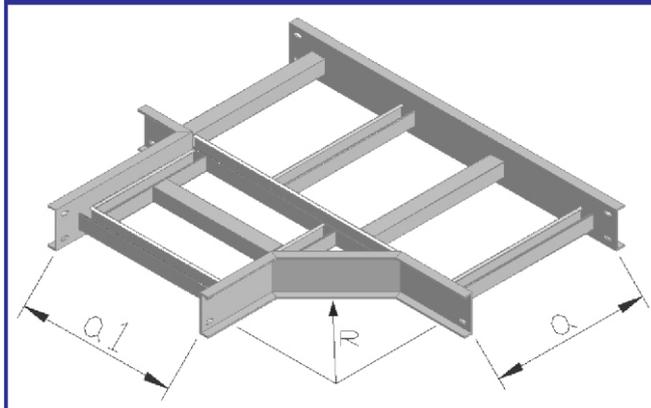
Redução concêntrica



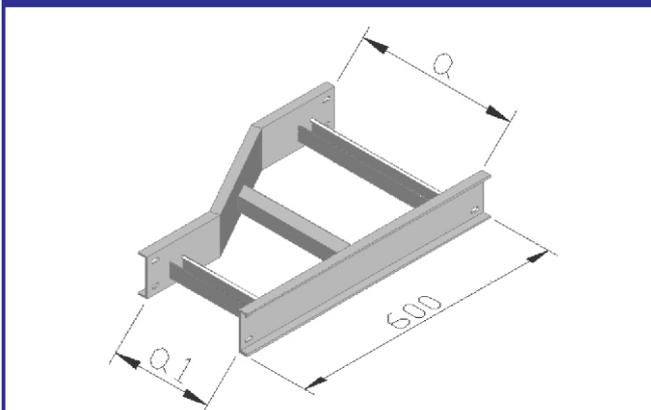
Junção à direita 90°



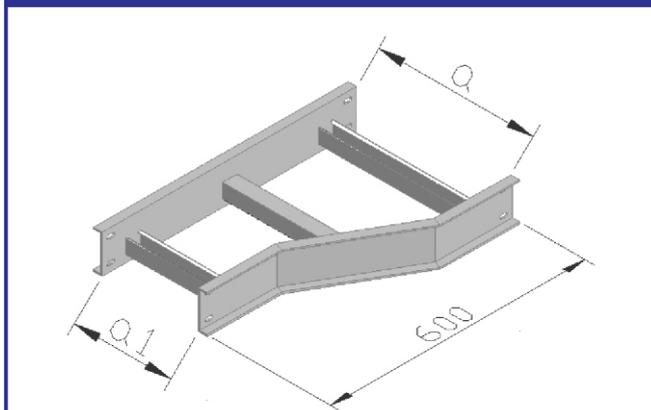
Junção à esquerda 90°



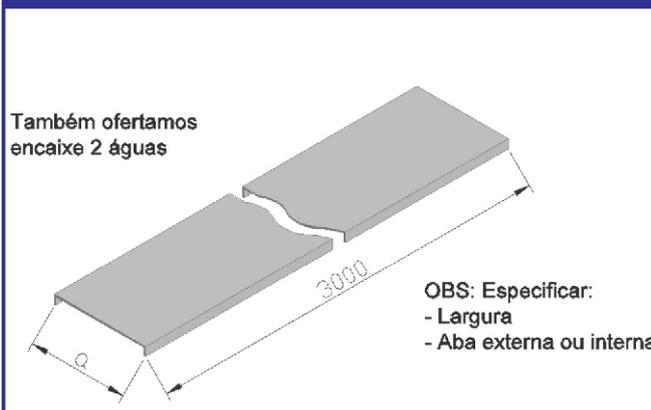
Redução à esquerda



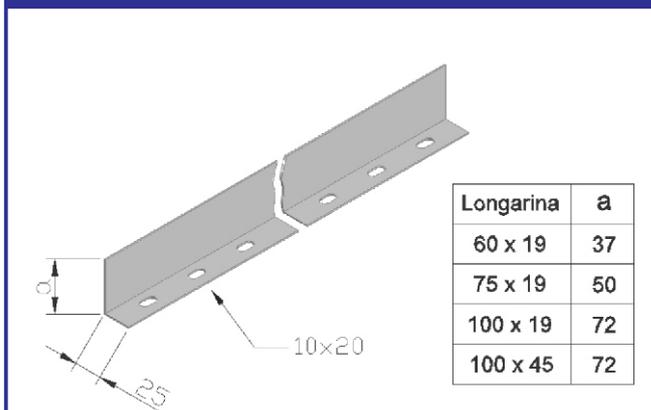
Redução à direita



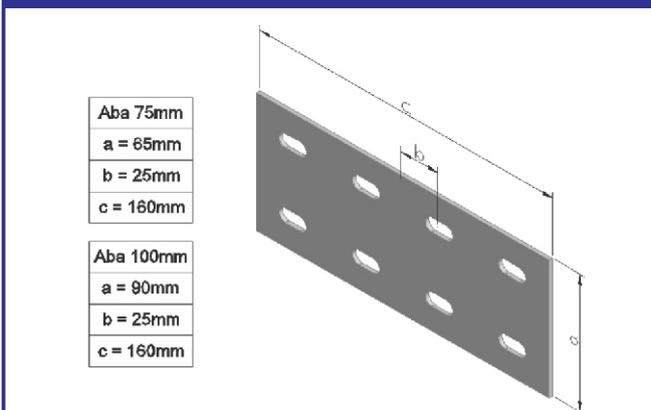
Tampa de encaixe para leito



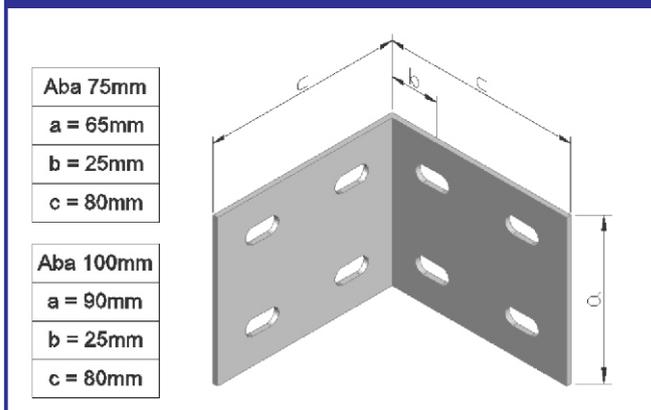
Septo divisor para leito



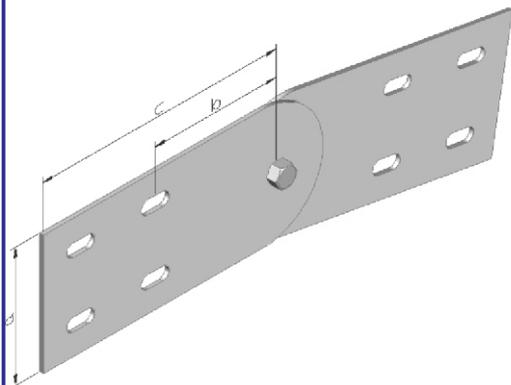
Junção simples para leito abas 75 ou 100mm



Junção angular 90° para leito abas 75 ou 100mm

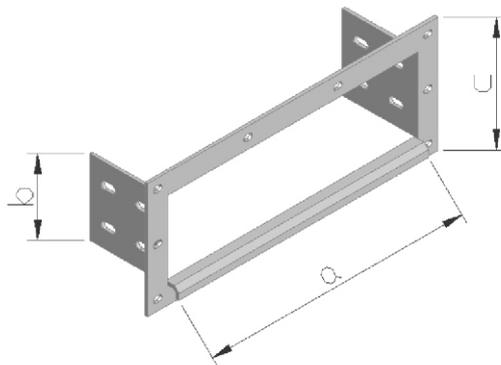


## Junção articulada para leito abas 75 ou 100mm

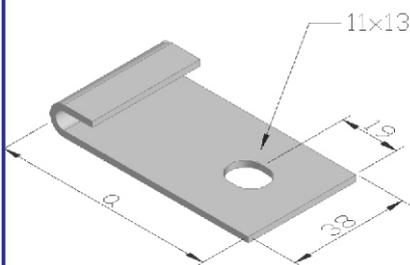


Aba 75mm	
a =	65mm
b =	70mm
c =	125mm
Aba 100mm	
a =	90mm
b =	70mm
c =	125mm

## Proteção para ligação em painel

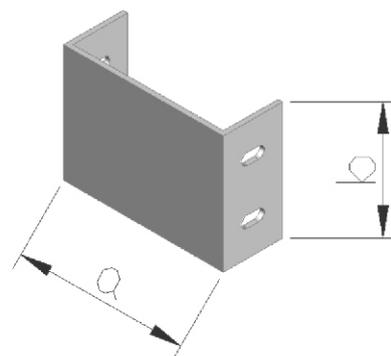


## Presilha guia

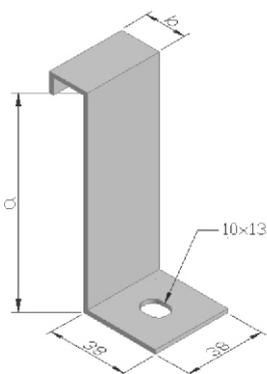


Longarina	a
100 x 19	65
100 x 45	90

## Terminal liso para leito

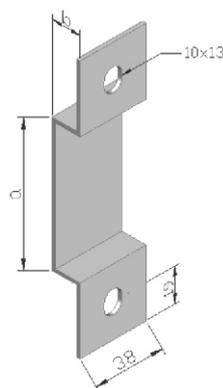


## Suporte simples para leito



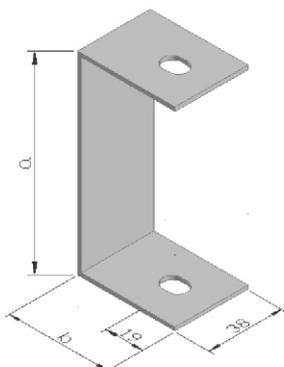
Longarina	a	b
60 x 19	57	22
75 x 19	72	22
100 x 19	97	22
100 x 45	97	48

## Suporte de fixação para leito



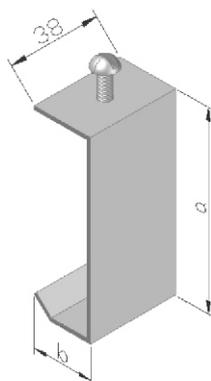
Longarina	a	b
60 x 19	62	16
75 x 19	77	16
100 x 19	102	16
100 x 45	102	42

## Suporte de suspensão para leito



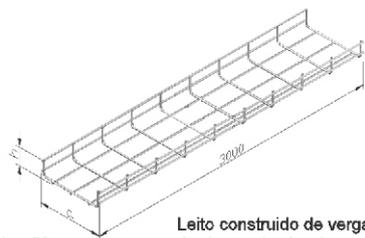
Longarina	a	b
60 x 19	62	51
75 x 19	77	51
100 x 19	102	51
100 x 45	102	72

## Presilha para tampa de encaixe



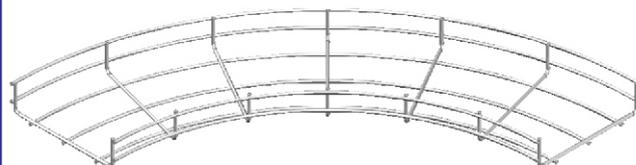
Longarina	a	b
60 x 19	65	25
75 x 19	80	25
100 x 19	105	25
100 x 45	105	30

## Eletrocalha aramada



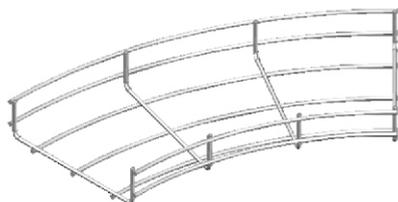
Leito construído de vergalhão Ø 5mm  
Acabamento: Aço inox, galvanizado eletrolítico ou a fogo  
Indicar medidas a e h

## Perfilado Perfurado 19x38mm



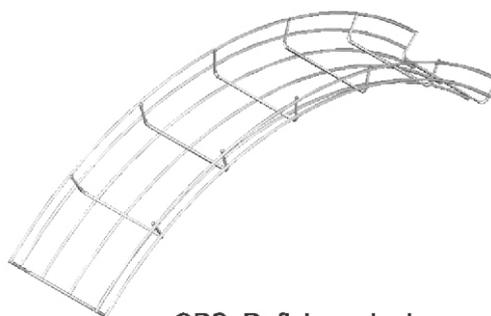
OBS: Definir o raio de curvatura

## Perfilado liso com 2 furos nas pontas 38x38mm



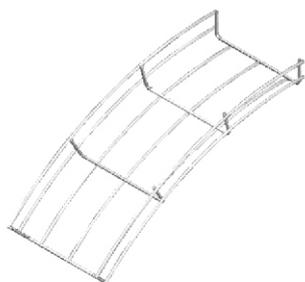
OBS: Definir o raio de curvatura

## Perfilado Perfurado 19x38mm com 2 furos



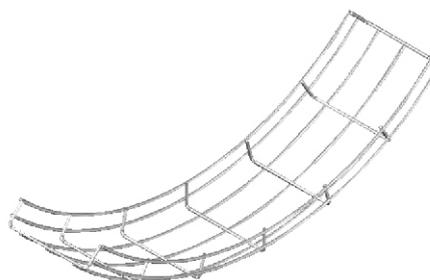
OBS: Definir o raio de curvatura

## Tampa de pressão para perfilado



OBS: Definir o raio de curvatura

## Tampa de encaixe para perfilados



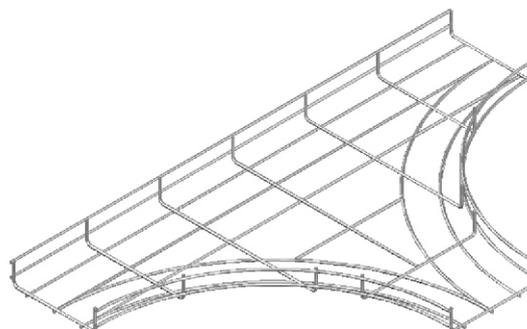
OBS: Definir o raio de curvatura

## Gancho curto para perfilado 38X38mm



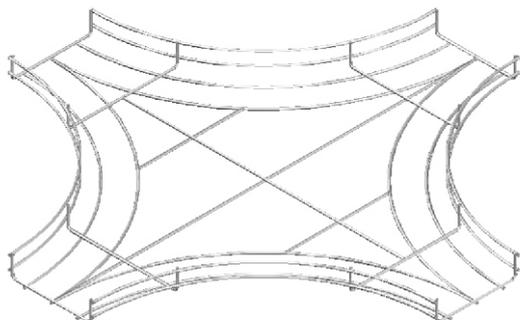
OBS: Definir o raio de curvatura

## Gancho longo para perfilado 38X38mm



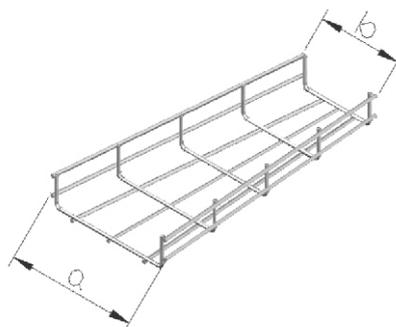
OBS: Definir o raio de curvatura

## Cruzeta horizontal 90°



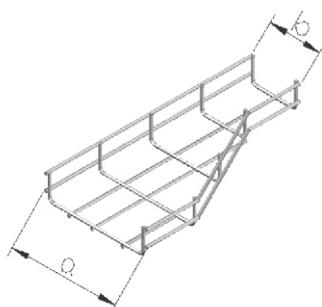
OBS: Definir o raio de curvatura

## Redução concêntrica



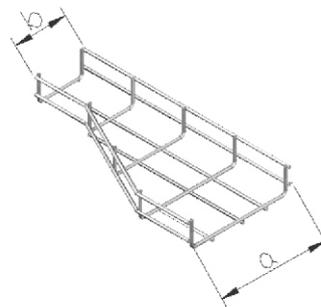
OBS: informar Cotas a e b

## Redução esquerda



OBS: informar Cotas a e b

## Redução direita



OBS: informar Cotas a e b

## Conector para emenda

