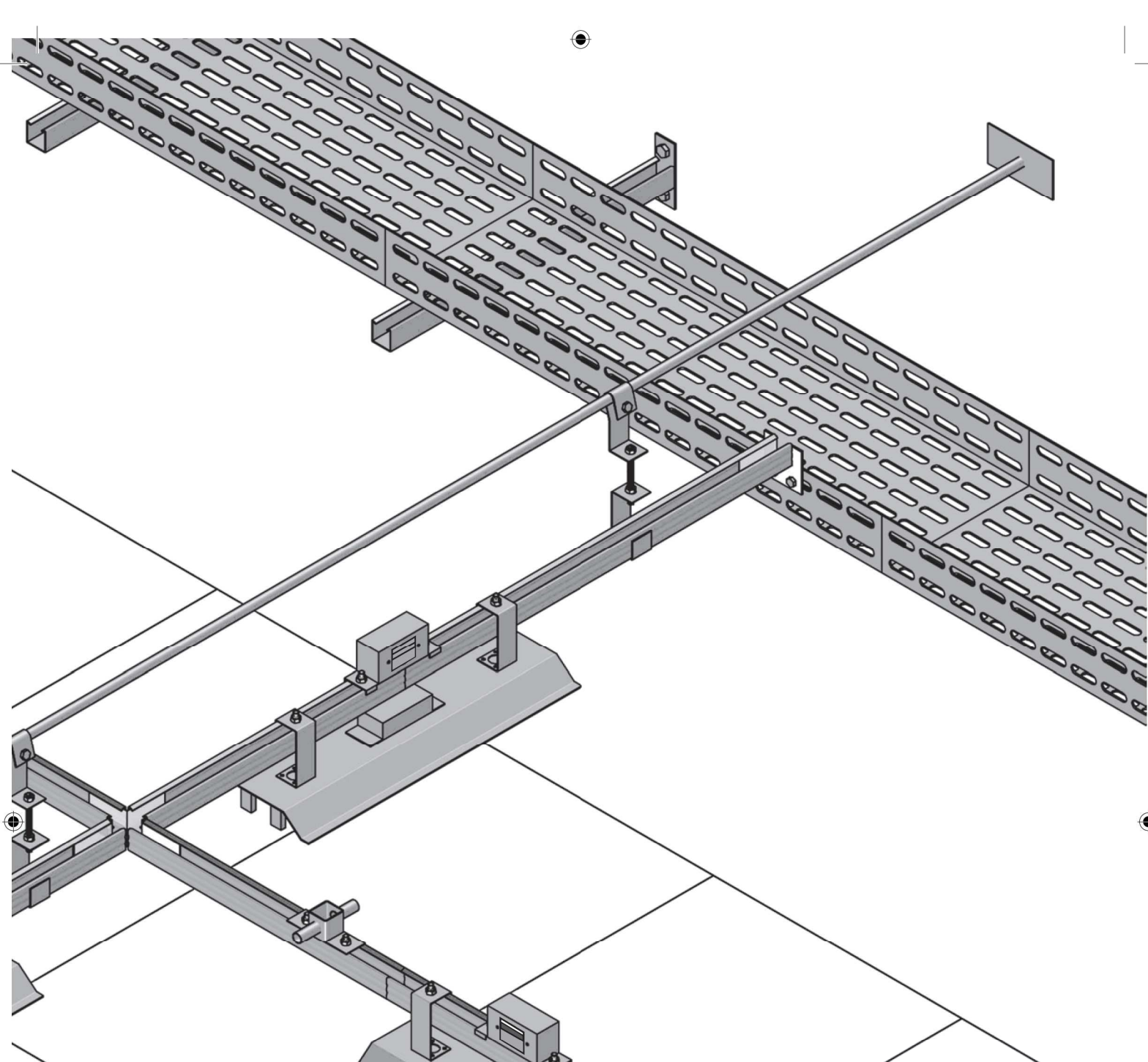


## Perfilados e acessórios

A linha de perfilados e acessórios fabricados pela Real Perfil é composta por uma vasta quantidade de peças padronizadas e intercambiáveis quanto ao seu sistema de aplicação, porém com as mais variadas possibilidades de utilização. O emprego dessas peças permite a formação de um sistema completo, que será empregado na condução e derivação da rede elétrica, lógica e telefonia, garantindo assim versatilidade, rapidez de montagem e economia.



## ***Profiles and fittings***

*The line profiles and fittings produced by Real Perfil, is constituted by a large number of standard parts interchangeable on what concerns its mounting way with the most different possibilities of use. The use of these parts allows to assemble a complete system aiming to conduce and diverse the Electric, and telephone nets warranting versatility, quickness and economy in its assembling.*

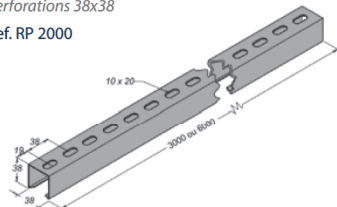
# Perfilados e acessórios

## Profiles and fittings

**Perfilado perfurado 38x38 mm**

High channel with perforations 38x38

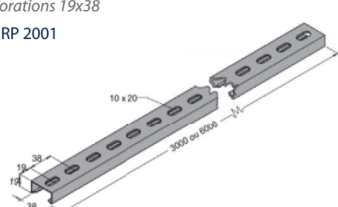
Ref. RP 2000



**Perfilado perfurado 19x38 mm**

Low channel with perforations 19x38

Ref. RP 2001

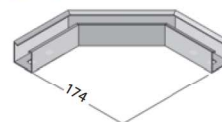


**Curva horizontal**

Horizontal bend

Ref. RP 2381/90 - 90°

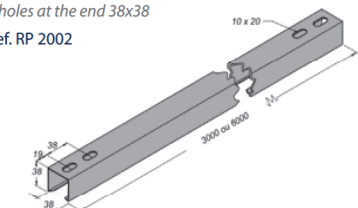
Ref. RP 2381/45 - 45°



**Perfilado liso com 2 furos 38x38 mm**

High channel with 2 holes at the end 38x38

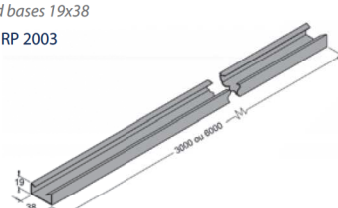
Ref. RP 2002



**Perfilado liso 19x38 mm**

Low channel with solid bases 19x38

Ref. RP 2003

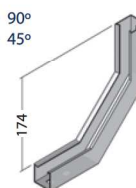


**Curva vertical interna**

Internal vertical bend

Ref. RP 2382/90 - 90°

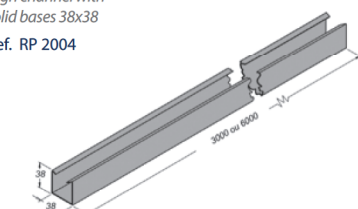
Ref. RP 2382/45 - 45°



**Perfilado liso 38x38 mm**

High channel with solid bases 38x38

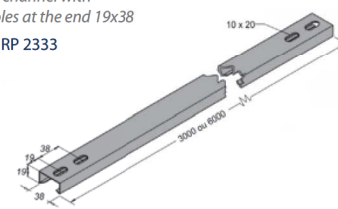
Ref. RP 2004



**Perfilado liso com 2 furos 19x38 mm**

Low channel with 2 holes at the end 19x38

Ref. RP 2333

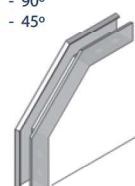


**Curva vertical externa**

External vertical bend

Ref. RP 2383/90 - 90°

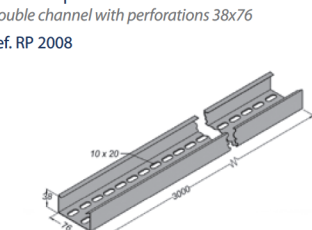
Ref. RP 2383/45 - 45°



**Perfilado perfurado 38x76 mm**

Double channel with perforations 38x76

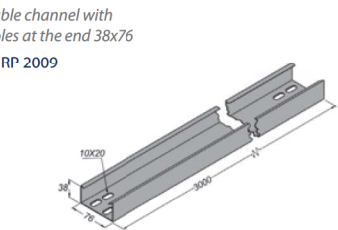
Ref. RP 2008



**Perfilado liso com 4 furos 38x76 mm**

Double channel with 4 holes at the end 38x76

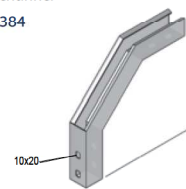
Ref. RP 2009



**Curva de inversão 90°**

90° Reversal vertical bend for channel

Ref. RP 2384

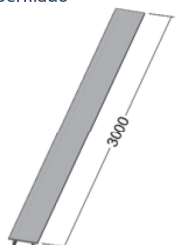


**Tampa de pressão para perfilado**

Channels pressure covers

Ref. RP 2006 - Perfil 38

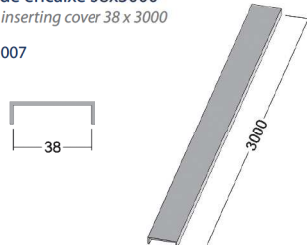
Ref. RP 2300 - Perfil 76



**Tampa de encaixe 38x3000**

Channel inserting cover 38 x 3000

Ref. RP 2007



**Desnível para perfilado 38x38 mm**

Vertical crossover for channel

Ref. RP 2432/H

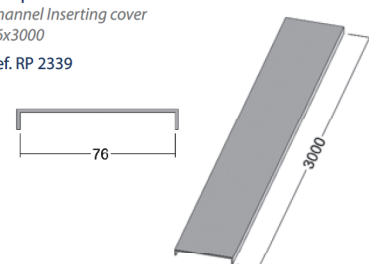


Obs: Informar a altura "H"  
Note: Inform the height "H"

**Tampa de encaixe 76x3000**

Channel Inserting cover 76x3000

Ref. RP 2339



**Desvio horizontal**

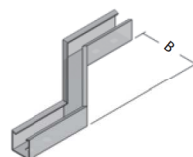
Horizontal crossover for channel

Direita /right

Ref. RP 2433/B

Esquerda /left

Ref. RP 2434/B



Obs: Informar o desvio "B"  
Note: Inform the deviation "B"

**Perfilados Conjugados 38x38 mm**

Welded channel combinations

Ref. RP 01

Ref. RP 02



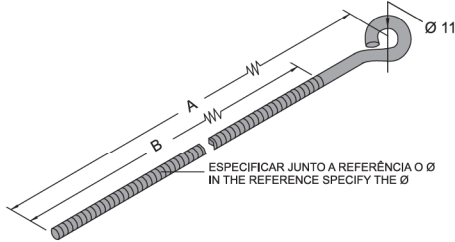
Obs: Informar Perfilado Liso ou Perfurado  
Note: Inform plain or perforated profiled



# Perfilados e acessórios

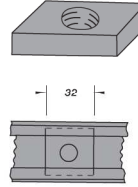
## Profiles and fittings

Parafuso olhal  
Eye screw  
Ref. RP 2371



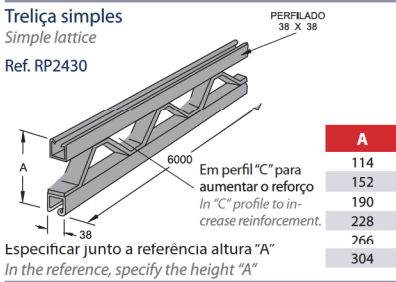
A	B
250	200
200	150
150	100

Porca quadrada sem mola  
Square nut without spring  
Ref. RP 2429



Rosca	Espessura
Thread	Thickness
1/4"	1/8"
5/16"	3/16"
3/8"	1/4"
1/2"	5/16"

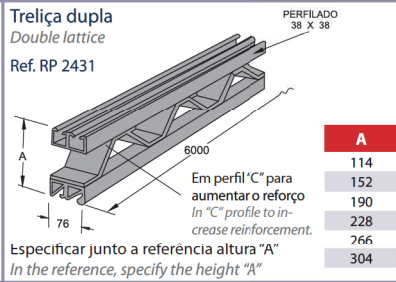
Treliça simples  
Simple lattice  
Ref. RP2430



A
114
152
190
228
266
304

Especificar junto a referência altura "A"  
In the reference, specify the height "A"

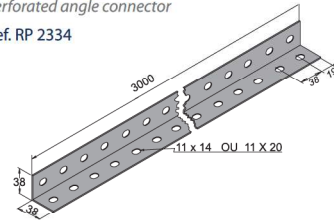
Treliça dupla  
Double lattice  
Ref. RP 2431



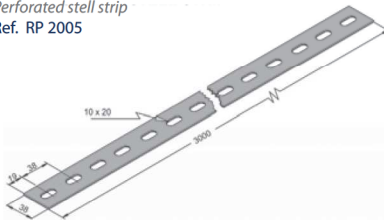
A
114
152
190
228
266
304

Especificar junto a referência altura "A"  
In the reference, specify the height "A"

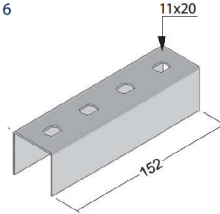
Cantoneira perfurada  
Perforated angle connector  
Ref. RP 2334



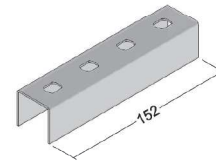
Fita perfurada  
Perforated stell strip  
Ref. RP 2005



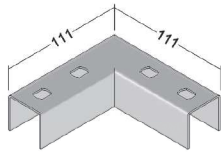
Junção externa I  
External junction  
Ref. RP 2016



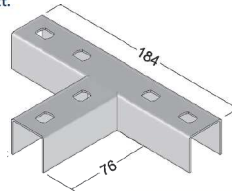
Junção interna I  
Internal junction  
Ref. RP 2017



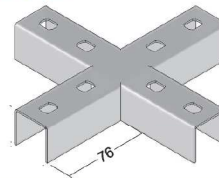
Junção interna "L"  
"L" Internal junction  
Ref. RP 2018 - Int.  
Ref. RP 2328 - Ext.



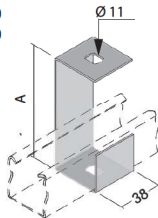
Junção interna "T"  
"T" Internal junction  
Ref. RP 2019 - Int.  
Ref. RP 2330 - Ext.



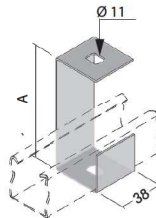
Junção interna "X"  
"X" Internal junction  
Ref. RP 2020 - Int.  
Ref. RP 2338 - Ext.



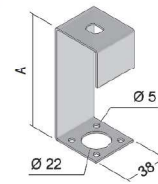
Gancho curto  
Clamp for channel  
Ref. RP 2021 - 38x38 - A=100  
Ref. RP 2026 - 38x76 - A=100



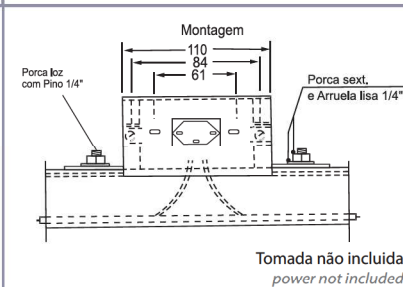
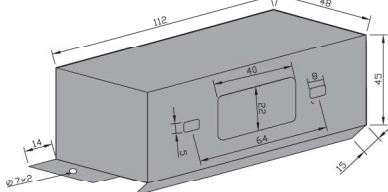
Gancho longo para perfilado  
Long clamp for fixture  
Ref. RP 2022  
38x38 ou 38x76  
A= 165 mm



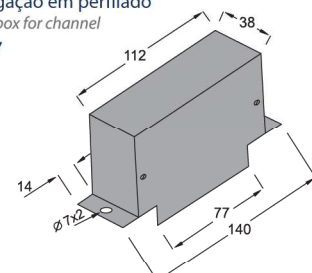
Gancho para luminária  
Hanger for fixture  
Ref. RP 2023 - A=100  
Ref. RP 2024 - A=165



Caixa para tomada em perfilado  
Power box for channel  
Ref. RP 2025 - p/ 01 tomada  
Ref. RP 2424 - p/ 02 tomadas



Caixa de ligação em perfilado  
Connection box for channel  
Ref. RP 2027

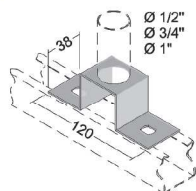




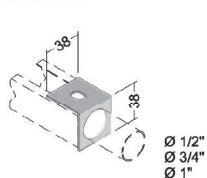
# Perfilados e acessórios

## Profiles and fittings

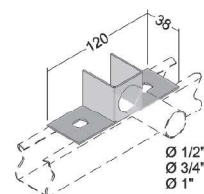
Saída superior  
Upper outlet for conduit  
Ref. RP 2064



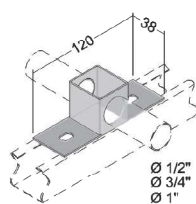
Saída final  
End outlet for conduit  
Ref. RP 2063



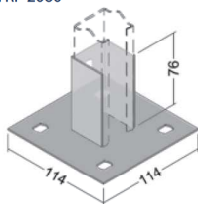
Saída lateral  
Lateral outlet for conduit  
Ref. RP 2065



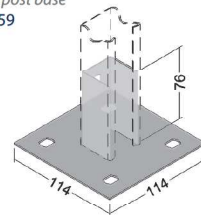
Saída lateral dupla  
Lateral double outlet for conduit  
Ref. RP 2066



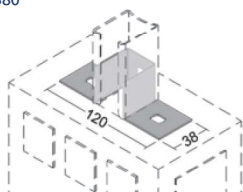
Sapata externa de 4 furos 38x38 mm  
Simple external post base  
Ref. RP 2060



Sapata interna de 4 furos 38x38 mm  
Four holes post base  
Ref. RP 2059



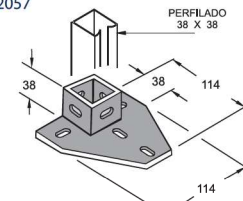
Base para ligação em painel 38x38 mm  
Panel adapter  
Ref. RP 2380



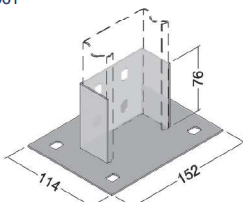
Sapata interna de 1 furo 38x38 mm  
One hole post base  
Ref. RP 2058



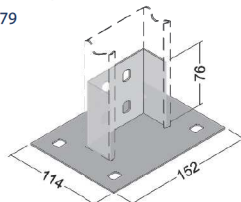
Sapata reforçada  
Reinforced post base  
Ref. RP 2057



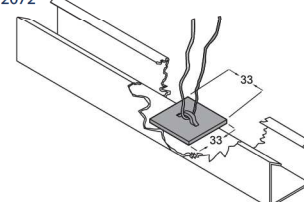
Sapata externa 4 furos 38x76 mm  
External post base for double channel  
Ref. RP 2061



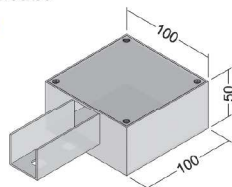
Base p/ ligação em painel 38x76 mm  
Double panel adapter  
Ref. RP 2379



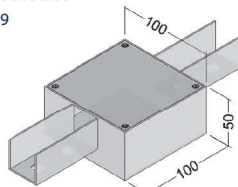
Suspensor para cabo de aço Ø 1/8"  
Suspender for Ø 1/8" steel cable  
Ref. RP 2072



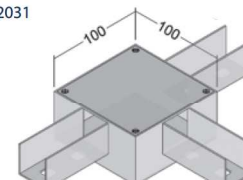
Caixa de derivação "I" 38x38  
"I" Junction box 38x38  
Ref. RP 2028



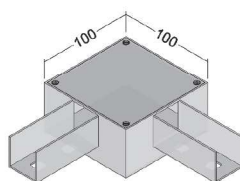
Caixa de derivação "C" 38x38  
"C" Junction box 38x38  
Ref. RP 2029



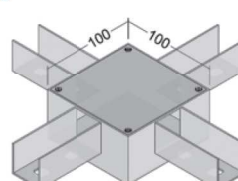
Caixa de derivação "T" 38x38  
"T" Junction box 38x38  
Ref. RP 2031



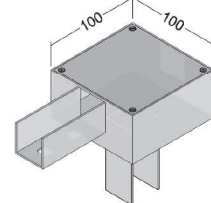
Caixa de derivação "L" 38x38  
"L" Junction box 38x38  
Ref. RP 2030



Caixa de derivação "X" 38x38  
"X" Junction box 38x38  
Ref. RP 2032



Caixa de derivação "I" c/ saída inf.  
"I" Junction box with bottom outlet  
Ref. RP 2388

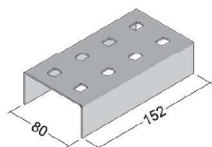


# Perfilados e acessórios

## Profiles and fittings

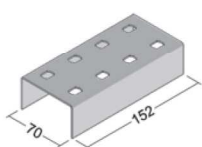
Junção externa "I" 38x76  
"I" External junction 38x76

Ref. RP 2434



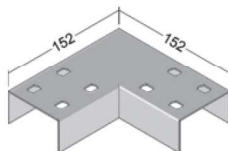
Junção interna "I" 38x76  
"I" Internal junction 38x76

Ref. RP 2435



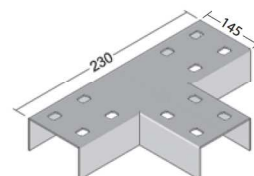
Junção interna "L" 38x76  
"L" Internal junction 38x76

Ref. RP 2436



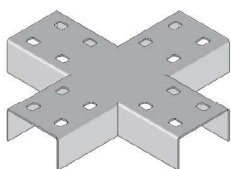
Junção interna "T" 38x76  
"T" Internal junction 38x76

Ref. RP 2437



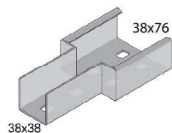
Junção interna "X" 38x76  
"X" Internal junction 38x76

Ref. RP 2438



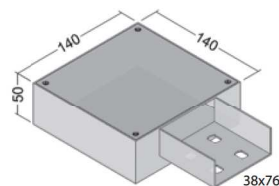
Redução da caixa para perfilado  
Reduction for channel

Ref. RP 2395



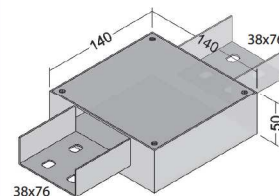
Caixa derivação "I" 38x76  
"I" Junction box for double channel

Ref. RP 2288



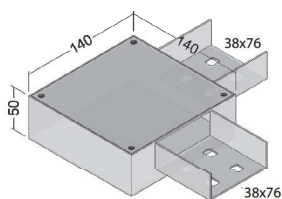
Caixa derivação "C" 38x76  
"C" Junction box for double channel

Ref. RP 2299



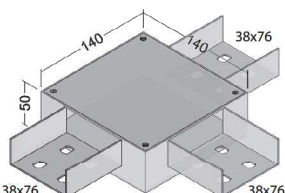
Caixa derivação "L" 38x76  
"L" Junction box for double channel

Ref. RP 2284



Cx. derivação "T" 38x76  
"T" Junction box for double channel

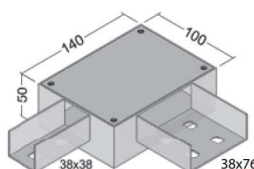
Ref. RP 2281



Caixa derivação "L" esquerda 38x76 - 38x38  
"L" Left junction box for channel

38x76 - 38x38

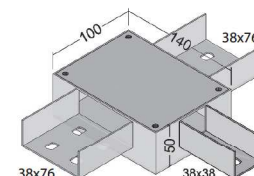
Ref. RP 2390



Cx. derivação "T" 2x38x76 - 38x38  
"T" Junction box for channel

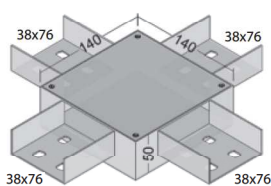
2x38x76 - 38x38

Ref. RP 2392



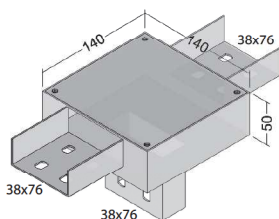
Cx. derivação "X" 38x76  
"X" Junction box for double channel

Ref. RP 2282



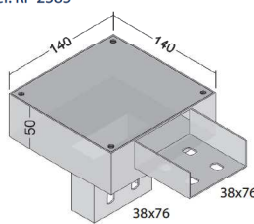
Cx derivação "C" saída inf. 38x76  
"C" Junction box for double channel with one bottom outlet

Ref. RP 2386



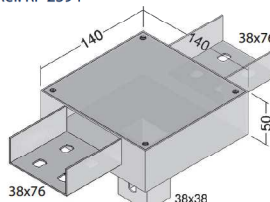
Cx derivação "I" saída inf. 38x76  
"I" Junction box for double channel with one bottom outlet

Ref. RP 2385



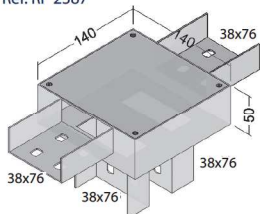
Cx derivação "C" 38x76 com saída inf. 38x38  
"C" Junction box for double channel with one bottom outlet for 38x38 channel

Ref. RP 2394



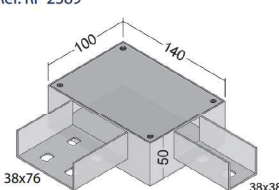
Cx derivação "C" 2 saídas inf. 38x76  
"C" Junction box for double channel with two bottom outlets

Ref. RP 2387



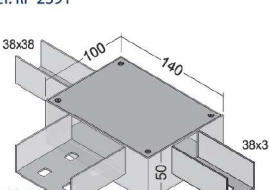
Cx derivação "L" direita 38 e 76  
"L" Right junction box for 38 and 76 channel

Ref. RP 2389



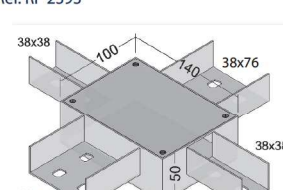
Cx derivação "T" 2x38x38 - 38x76  
"T" Junction box for 2x38x38 and 1x38x76 channel

Ref. RP 2391



Cx derivação "X" 2x38x76 - 2x38x38  
"X" Junction box for 2x38x76 and 2x38x38 channel

Ref. RP 2393

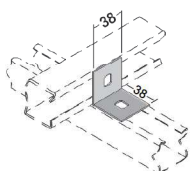


# Perfilados e acessórios

## Profiles and fittings

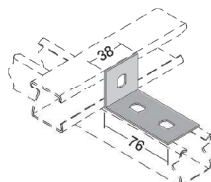
Cantoneira com 2 furos  
Two holes angle connector

Ref. RP 2037



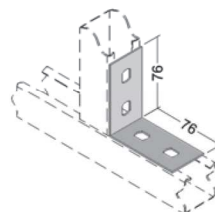
Cantoneira com 3 furos  
Three holes angle connector

Ref. RP 2038



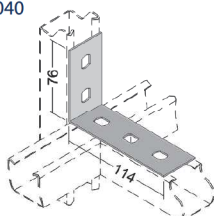
Cantoneira com 4 furos  
Four holes angle connector

Ref. RP 2039



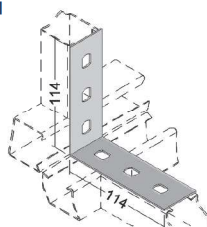
Cantoneira com 5 furos  
Five holes angle connector

Ref. RP 2040



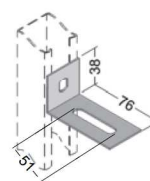
Cantoneira com 6 furos  
Six holes angle connector

Ref. RP 2041



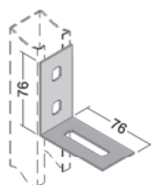
Cantoneira 1 furo e rasgo  
One hole and slot angle connector

Ref. RP 2042



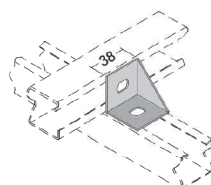
Cantoneira 2 furos e rasgo  
Two holes and slot angle connector

Ref. RP 2043



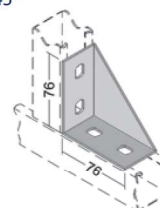
Cantoneira reforçada com 2 Furos  
Two holes reinforced angle connector

Ref. RP 2044



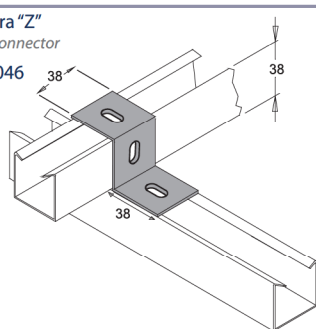
Cantoneira reforçada com 4 furos  
Four holes reinforced angle connector

Ref. RP 2045



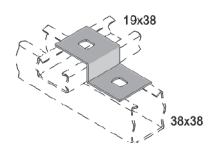
Cantoneira "Z"  
"Z" angle connector

Ref. RP 2046



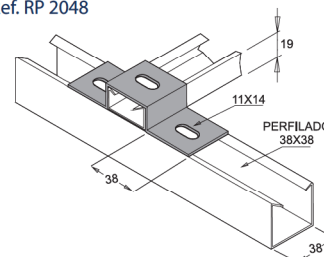
Cantoneira "Z" baixa  
Low "Z" angle connector

Ref. RP 2047



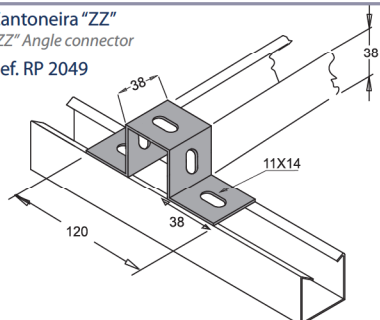
Cantoneira "ZZ" baixa  
Low "ZZ" angle connector

Ref. RP 2048



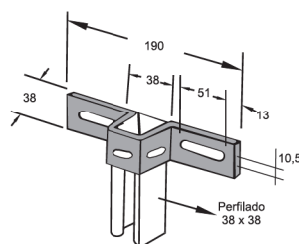
Cantoneira "ZZ"  
"ZZ" Angle connector

Ref. RP 2049



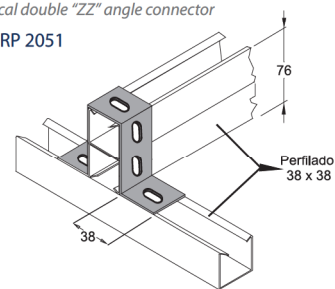
Cantoneira "ZZ" com rasgo  
"ZZ" angle connector with slot

Ref. RP 2050



Cantoneira "ZZ" vertical dupla  
Vertical double "ZZ" angle connector

Ref. RP 2051

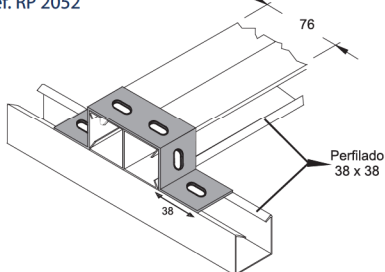




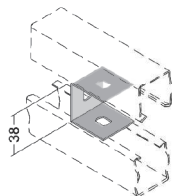
# Perfilados e acessórios

## Profiles and fittings

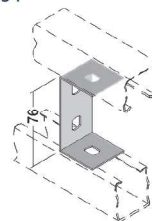
Cantoneira "ZZ" dupla horizontal  
Horizontal double "ZZ" angle connector  
Ref. RP 2052



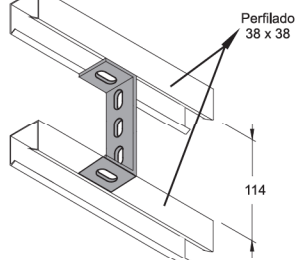
Distanciador "U" simples  
Simple "U" distance piece  
Ref. RP 2053



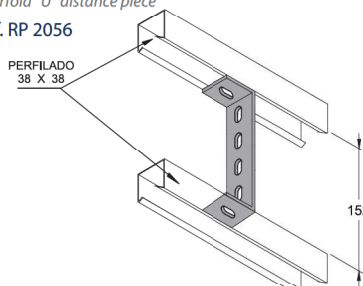
Distanciador duplo  
Double "U" distance piece  
Ref. RP 2054



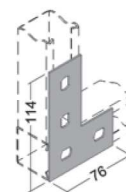
Distanciador "U" triplo  
Triple "U" distance piece  
Ref. RP 2055



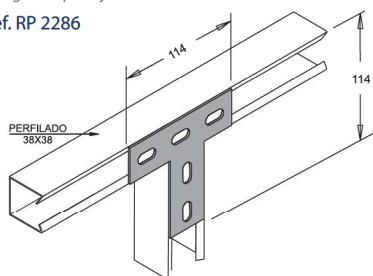
Distanciador "U" quádruplo  
Fourfold "U" distance piece  
Ref. RP 2056



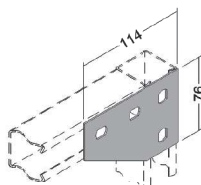
Junção "L" reta  
Straight "L" plate junction  
Ref. RP 2285



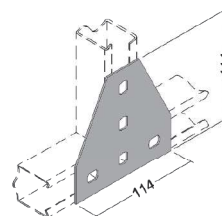
Junção "T" reta  
Straight "T" plate junction  
Ref. RP 2286



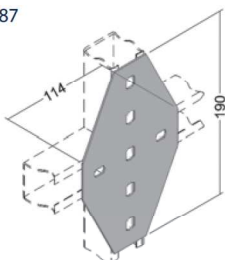
Junção plana "L" reforçada  
"L" Plate reinforced junction  
Ref. RP 2412



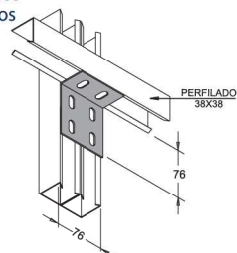
Junção plana "T" 5 furos  
Five hole "T" plate junction  
Ref. RP 2414



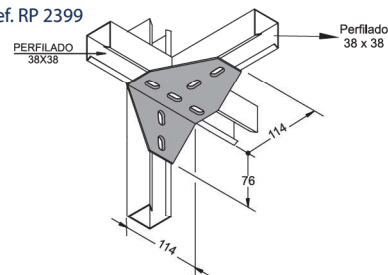
Junção plana "X" 7 furos  
Seven hole "X" plate junction  
Ref. RP 2287



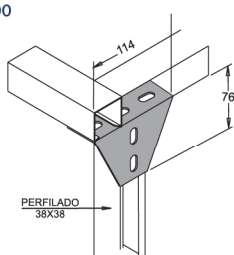
Cantoneira dupla com furos  
Ten holes doubles angle connector  
Ref. RP 2397 - 4 furos  
Ref. RP 2398 - 6 furos



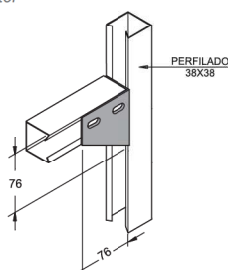
Cantoneira dupla "T"  
Double "T" angle connector  
Ref. RP 2399



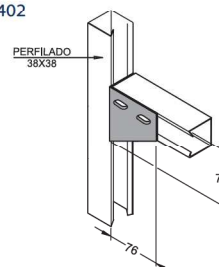
Cantoneira "T" com 5 furos  
Five holes "T" angle connector  
Ref. RP 2400



Cantoneira "LL"  
"LL" angle connector  
Ref. RP 2401



Cantoneira "LR"  
"LR" angle connector  
Ref. RP 2402

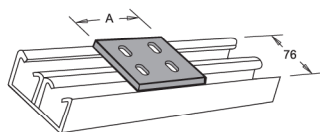


# Perfilados e acessórios

## Profiles and fittings

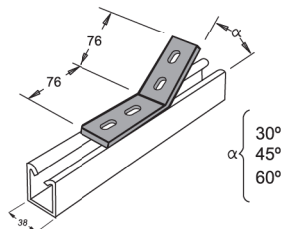
**Tala dupla com furos**  
Eight holes double plate connector

Ref. RP 2406 - 4 furos (holes) - A= 76  
Ref. RP 2407 - 6 furos (holes) - A= 114  
Ref. RP 2408 - 8 furos (holes) - A= 152  
Ref. RP 2409 - 10 furos (holes) - A= 190  
Ref. RP 2410 - 12 furos (holes) - A= 228



**Cantoneira angular**  
Angular angle connector

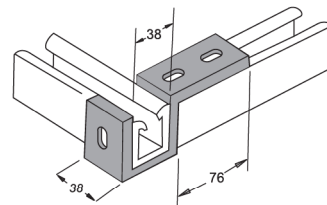
Ref. RP 2415



Especificar no pedido o ângulo  $\alpha$   
In the order specify the angle  $\alpha$

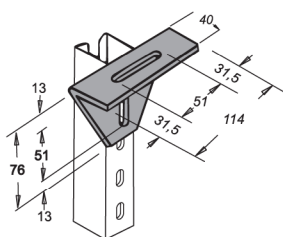
**Cantoneira "ZU"**  
"ZU" angle connector

Ref. RP 2416



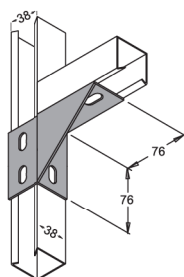
**Cantoneira "T" com rasgos**  
"T" angle connector with slots

Ref. RP 2417



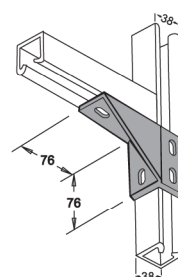
**Cantoneira reforçada "LL" reversa**  
Reverse reinforced "LL" angle connector

Ref. RP 2418



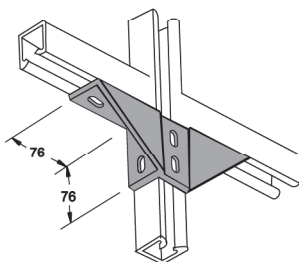
**Cantoneira reforçada "LR" reversa**  
Reverse reinforced "LR" angle connector

Ref. RP 2419



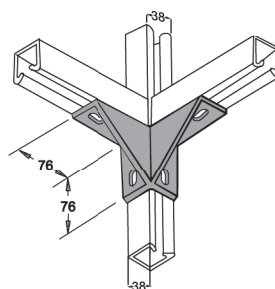
**Cantoneira reforçada "T" reversa**  
Reverse reinforced "T" angle connector

Ref. RP 2420



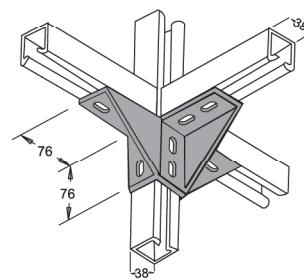
**Cantoneira reforçada "C" reversa dupla**  
Reverse reinforced "C" angle connector

Ref. RP 2421



**Cantoneira reforçada "T" reversa tripla**  
Reverse reinforced "T" angle connector

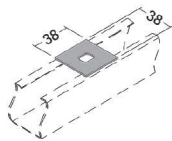
Ref. RP 2422



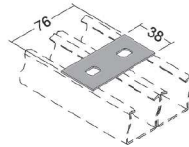
# Perfilados e acessórios

## Profiles and fittings

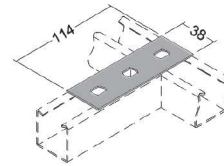
Tala com furo  
One hole plate junction  
Ref. RP 2010



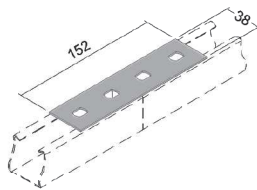
Tala com 2 furos  
Two holes plate junction  
Ref. RP 2011



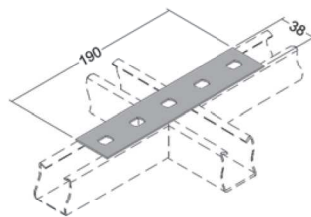
Tala com 3 furos  
Three holes plate junction  
Ref. RP 2012



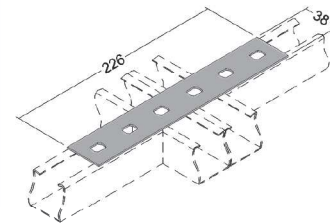
Tala com 4 furos  
Four holes plate junction  
Ref. RP 2013



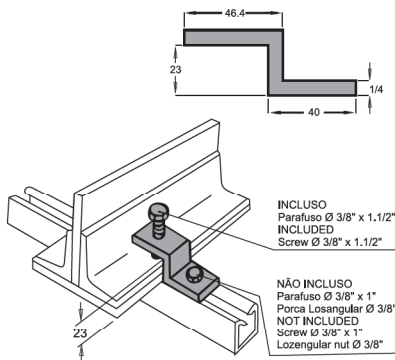
Tala com 5 furos  
Five holes plate junction  
Ref. RP 2014



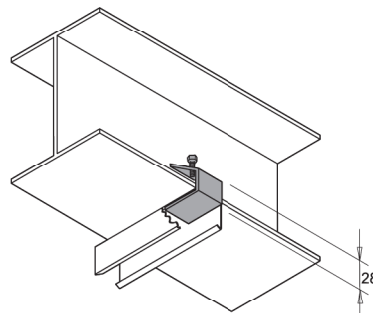
Tala com 6 furos  
Six holes plate junction  
Ref. RP 2015



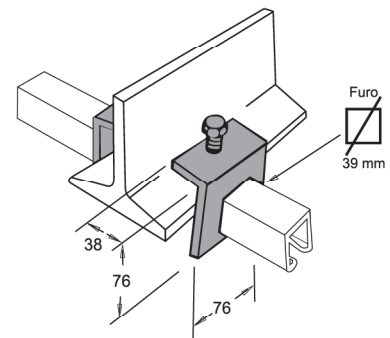
Tala compressor  
Compressor fishplate  
Ref. RP 2403



Fixador interno transversal  
Internal transverse support  
Ref. RP 2404



Fixador transversal  
Transverse support  
Ref. RP 2405



INCLUSO  
Parafuso Ø 3/8" x 1.1/4"  
INCLUDED  
Screw Ø 3/8" x 1.1/4"

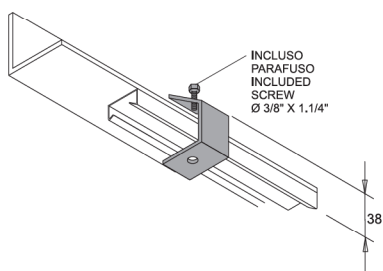


# Perfilados e acessórios

## Profiles and fittings

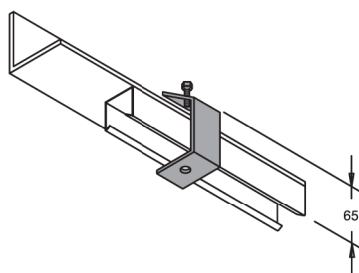
Fixador externo longitudinal p/ perfilado 19 x 38  
External longitudinal support for 19 x 38 channel

Ref. RP 2411



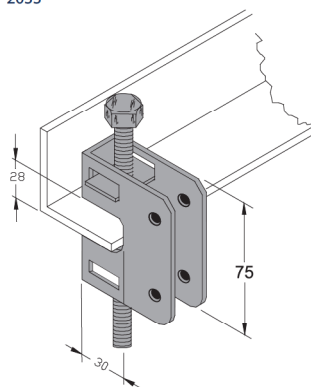
Fixador externo longitudinal p/ perfilado 38 x 38  
External longitudinal support for 38 x 38 channel

Ref. RP 2413



Grampo "C"  
Beam Clamp

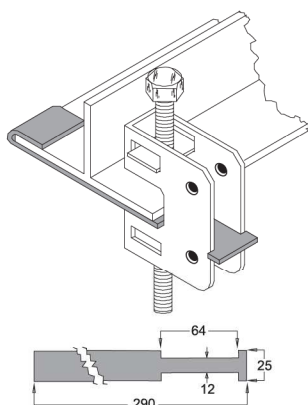
Ref. RP 2033



Inclusos: 01 parafuso  $\varnothing$  3/8" x 2 1/2"  
01 porca quadrada  $\varnothing$  3/8"  
Included: 01 screw  $\varnothing$  3/8" x 2 1/2"  
01 square nut  $\varnothing$  3/8"

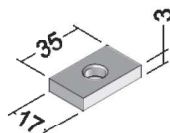
Presilha para grampo "C"  
Anchor clip for "C" beam clamp

Ref. RP 2035



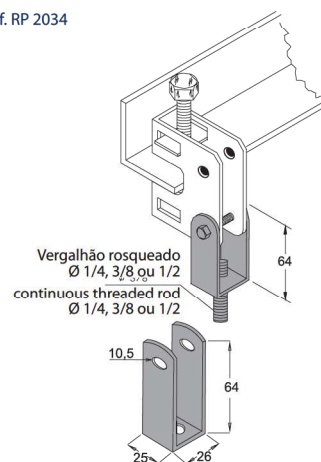
Porca retang. p/ grampo "C"  
Rectangular nut for beam clamp

Ref. RP 2367



Balancim p/ grampo "C"  
Swing connector for beam clamp

Ref. RP 2034



Bucha de nylon  
Nylon inch anchor for concrete insert

Tipo RP S6, S8, S10, S12



Ref.	Tipo	Comp.	Paraf.	Tração
Ref.	Type	Length	bolt	Traction
RP 2217	S6	30	4,2x30	65 Kg
RP 2218	S8	40	1/4"x45	90 Kg
RP 2219	S10	50	5/16"x50	170 Kg
RP 2220	S12	60	3/8"x60	220 Kg

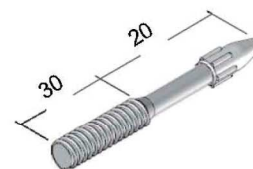
Chumbador "CB" com rosca interna  
CBA anchor bolt



Ref.	Ø Rosca	A	Comp. rosca	Broca Ø mm
Ref.	Ø	A	Length	Ø mm
RP 2362	1/4"	35	12	10
RP 2364	3/8"	40	18	14
RP 2365	1/2"	50	20	18
RP 2363	5/16"			
RP 2366	5/8"			

Pino com rosca 1/4"  
Threaded pin 1/4"

Ref. RP 2368



\* Outras medidas sob consulta.

# Acessórios para fixação e suportaço

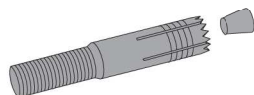
## Accessories for fixing and support

Chumbador "UR" com rosca interna  
"UR" internal-thread anchor bolt



Ref.	Ø Rosca	A	Comp. rosca	Broca Ø mm
Ref.	Ø	A	Length	Ø mm
RP 2354	1/4"	25	35	6,35
RP 2356	3/8"	30	45	9,5
RP 2357	1/2"	35	55	12,7
RP 2355	5/16"			
RP 2358	5/8"			

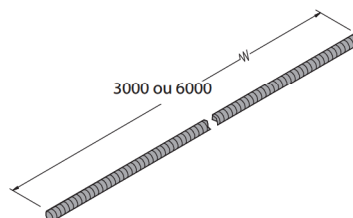
Chumbador rosca externa  
External-thread anchor bolt



Ref.	Ø Rosca	A	Comp. rosca	Broca Ø mm
Ref.	Ø	A	Length	Ø mm
RP 2426	5/16"	35	12	11
RP 2425	1/4"	40	18	14
RP 2359	3/8"	52	20	18
RP 2360	1/2"			
RP 2361	5/8"			

Suporte RT  
Continuous threaded rod

Ref. RP 2075

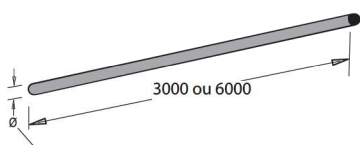


Ø	1/4"
Ø	5/16"
Ø	3/8"
Ø	1/2"

Especificar junto à referência o ø e o comprimento "L"  
In the reference, specify the ø and length "L"

Suporte LT  
Plain rod

Ref. RP 2074

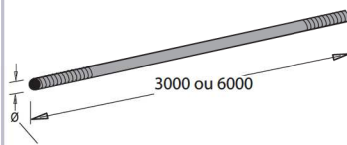


Ø	1/4"
Ø	5/16"
Ø	3/8"
Ø	1/2"

Especificar junto à referência o ø e o comprimento "L"  
In the reference, specify the ø and length "L"

Suporte com haste  
Plain rod threaded at the end

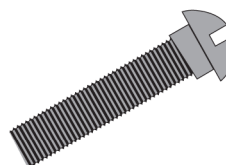
Ref. RP 2074



Ø	1/4"
Ø	5/16"
Ø	3/8"
Ø	1/2"

Especificar junto à referência o ø e o comprimento "L"  
In the reference, specify the ø and length "L"

Parafuso cabeça redonda  
Round head mach screw



comp. length	Ø 3/16	Ø 1/4
1/4"	RP 2206	
3/8"	RP 2310	
1/2"	RP 2311	RP 2321
5/8"	RP 2312	RP 2322
3/4"	RP 2313	RP 2323
1"	RP 2314	RP 2325
1.1/4"	RP 2316	RP 2326
1.1/2"	RP 2317	RP 2327

Parafuso cabeça lentilha  
Lentil head bolt



Ref.	Ø x comp.
Ref.	Ø x length
RP 2340	1/4" x 1/2"
RP 2999	1/4" x 5/8"
RP 2215	1/4" x 3/4"
RP 2342	1/4" x 1"
RP 2344	5/16" x 1/2"
RP 2346	5/16" x 3/4"
RP 2350	3/8" x 1/2"
RP 2216	3/8" x 3/4"

Parafuso auto travante  
Self lock bolt



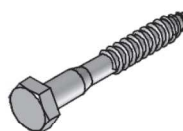
Ref.	Ø x comp.
Ref.	Ø x length
RP 2341	1/4" x 1/2"
RP 2319	1/4" x 5/8"
RP 2315	1/4" x 3/4"
RP 2343	1/4" x 1"
RP 2345	5/16" x 1/2"
RP 2347	5/16" x 3/4"
RP 2351	3/8" x 1/2"
RP 2318	3/8" x 3/4"

Parafuso cabeça sextavada  
hexagonal head bolt



Comp.	Ø1/4"	Ø5/16"	Ø3/8"	Ø1/2"
Length	Ø1/4"	Ø5/16"	Ø3/8"	Ø1/2"
1/2"	2200	2201	2202	2203
5/8"	2240			
3/4"	2242	2252	2262	2272
1"	2244	2254	2264	2274
1.1/4"	2245	2255	2265	2275
1.1/2"	2246	2256	2266	2276
2"	2248	2258	2268	2278
2.1/2"	2249	2259	2269	2279
3"	2250	2260	2270	2280

Parafuso cab. sextavada rosca soberba  
hexagonal head screw with conical thread



Ref.	Ø x comp.	Bucha
Ref.	Ø x length	buca
RP 2209	5/16" x 2"	S-10
RP 2210	3/8 x 2.1/2"	S-12

Parafuso cabeça redonda rosca soberba  
Round head screw with conical thread



Ref.	Ø x comp.	Bucha
Ref.	Ø x length	buca
RP 2211	4,2 x 30mm	S-6
RP 2212	4,8 x 45mm	S-8
RP 2213	6,1 x 50mm	S-10

# Acessórios para fixação e suportaço

## Accessories for fixing and support

Porca sextavada  
Hexagonal nut

Ref.	Ø x comp.
Ref.	Ø x length
RP 2222	3/16"
RP 2223	1/4"
RP 2335	5/16"
RP 2224	3/8"
RP 2225	1/2"



Arruela lisa  
Plain washer

Ref.	Ø x comp.
Ref.	Ø x length
RP 2227	3/16"
RP 2228	1/4"
RP 2331	5/16"
RP 2229	3/8"
RP 2230	1/2"



Arruela de pressão  
Lock washer

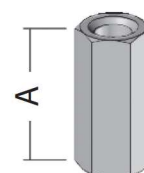
Ref.	Ø x comp.
Ref.	Ø x length
RP 2232	3/16"
RP 2233	1/4"
RP 2336	5/16"
RP 2234	3/8"
RP 2235	1/2"



Prolongador para suspensão  
Hanger rod extension

Ref. RP 2073 - A=25mm  
Ref. RP 2283 - A=50mm

Ø	1/4"
Ø	5/16"
Ø	3/8"
Ø	1/2"
(somente RP 2283)	

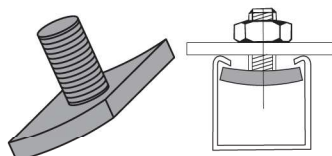


Obs: Comp. de 50mm sob consulta.  
Note: Length of 50mm under request.

Porca losangular com pino  
Lozengular stud nut

Ref. RP 2078

Ø	1/4"
Ø	5/16"
Ø	3/8"
Ø	1/2"

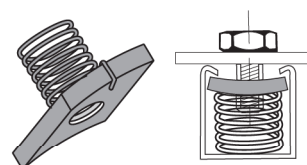


Demonstrativo  
de montagem  
Diagram of  
assembly

Porca losangular com mola  
Lozengular spring nut

Ref. RP 2077

Ø	1/4"
Ø	5/16"
Ø	3/8"
Ø	1/2"

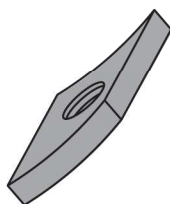


Demonstrativo  
de montagem  
Diagram of  
assembly

Porca losangular com rosca  
Lozengular nut without spring

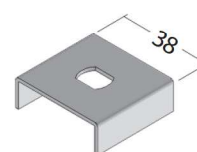
Ref. RP 2076

Ø	1/4"
Ø	5/16"
Ø	3/8"
Ø	1/2"



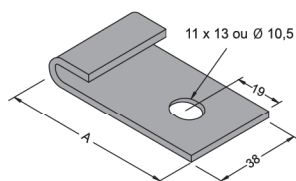
Adaptador de segurança com furo de 1/4 ou 3/8"  
Saddle type washer

Ref. RP 2062



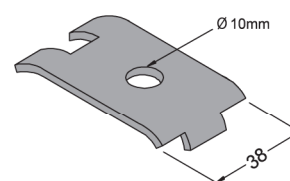
Grapa guia  
Guide bearing

Ref. RP 2554 - A= 60 mm  
Ref. RP 2599 - A= 85 mm



Grapa fixa  
Beam clamps

Ref. RP 2068



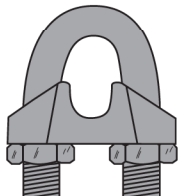


# Acessórios para fixação e suportaço

## Accessories for fixing and support

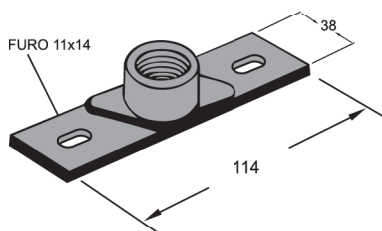
Grampo crosby p/ cabo de aço  $\phi$  1/8"  
Crosby clamp for steel cable  $\phi$  1/8"

Ref. RP 2440



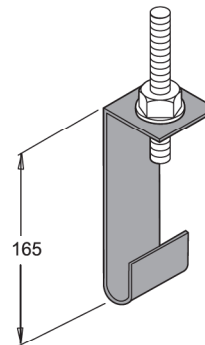
Saída com luva  $\phi$  1/2", 3/4" e 1"  
Outlet with coupling pipe  
 $\phi$  1/2", 3/4" e 1"

Ref. RP 2067



Suporte "J" 1/2", 3/4" e 1"  
Support "J" 1/2", 3/4" e 1"

Ref. RP 2441



Mão francesa simples  
Simple bracket

Ref.	X	P	F
RP 2069	100	120	0,6
RP 2069	200	80	0,8
RP 2069	300	58	0,9
RP 2069	400	44	1,6
RP 2069	500	35	2,5
RP 2069	600	29	3,6

F= Flexão (mm)

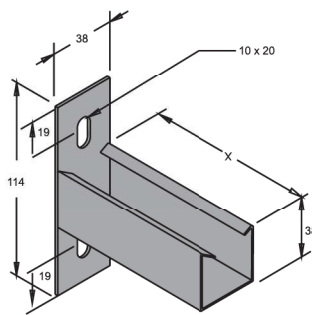
F= Deflection (mm)

P= Carga concentrada na ponta (kg)

P= Concentrated load on extreme (kg)

Carga total uniformemente distribuída = 2 x P

Total load uniformly distributed = 2 x P



Medida "X" pode ser fornecida de 100 mm a 600 mm  
The measure "X" could be supplied from 100 mm to 600 mm width

Mão francesa dupla  
Double bracket

Ref.	X	P	F
RP 2070	300	255	0,5
RP 2070	400	169	0,9
RP 2070	500	135	1,5
RP 2070	600	112	2,2
RP 2070	650	104	2,6
RP 2070	700	95	3
RP 2070	800	84	3,9
RP 2070	900	75	4,9

F= Flexão (mm)

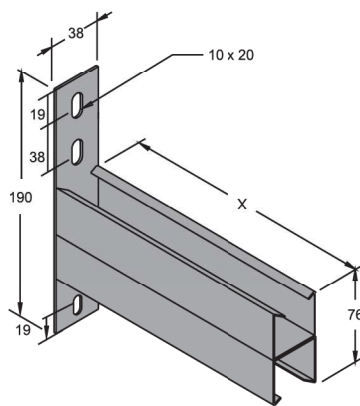
F= Deflection (mm)

P= Carga concentrada na ponta (kg)

P= Concentrated load on extreme (kg)

Carga total uniformemente distribuída = 2 x P

Total load uniformly distributed = 2 x P



Medida "X" pode ser fornecida de 100 mm a 900 mm  
The measure "X" could be supplied from 100 mm to 900 mm width

Mão francesa reforçada  
Reinforced bracket

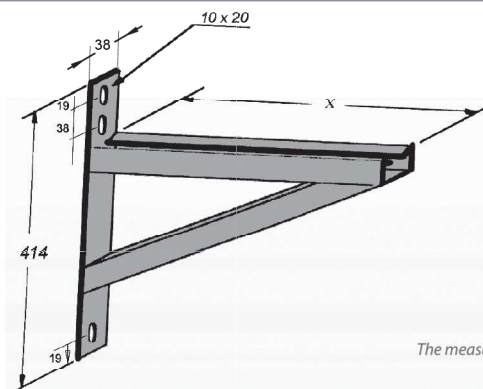
Ref.	X	P	W
RP 2071	500	700	1400
RP 2071	600	600	1200
RP 2071	800	455	910
RP 2071	900	406	799
RP 2071	1150	318	654
RP 2071	1400	261	552
RP 2071	1650	221	478

P= Carga concentrada na ponta (kg)

P= Concentrated load on extreme (kg)

W= Carga total uniformemente distribuída = 2 x P

W= Total load uniformly distributed = 2 x P



Medida "X" pode ser fornecida de 100 a 1650 mm  
The measure "X" could be supplied from 100 mm to 1650 mm width

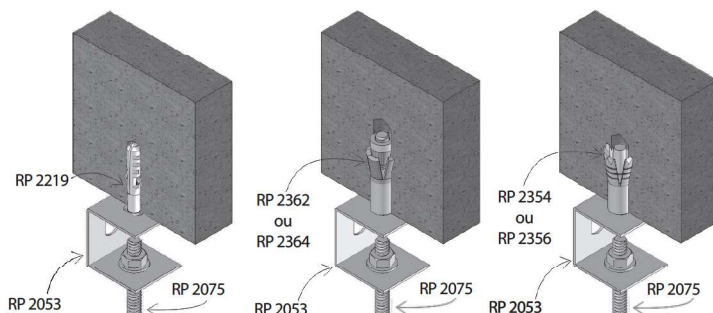
# Sugestões para instalações de perfilado

## Suggestions for fixing channels

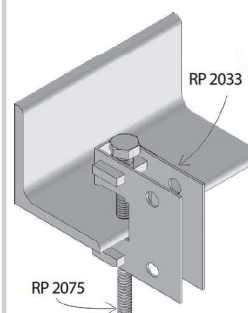
### FIXAÇÕES SUPERIORES

#### UPPER ANCHORAGE

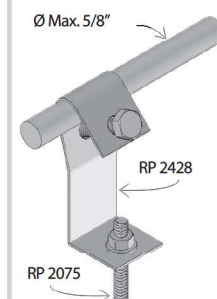
Simple  
Simple



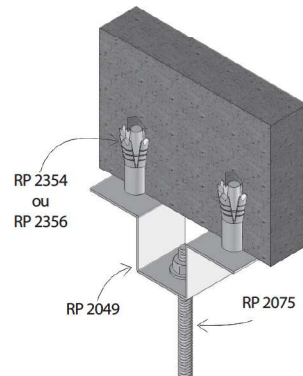
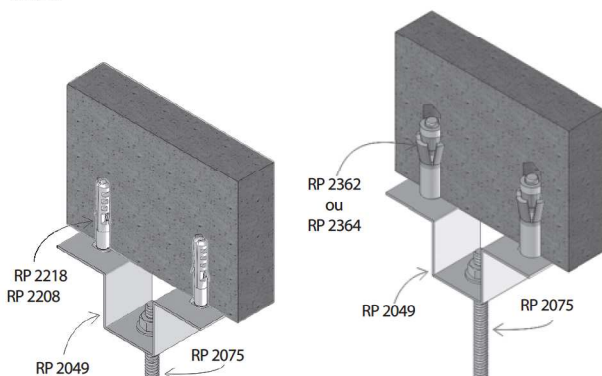
Grampo "C"  
Beam clamp



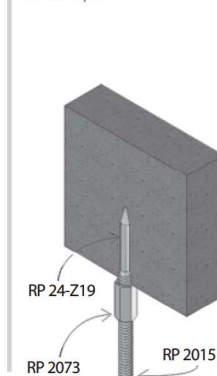
Cabo de aço ou vergalhão  
Steel wire or continuous threaded rod



Dupla  
Double



Pino com rosca  
Threaded pin

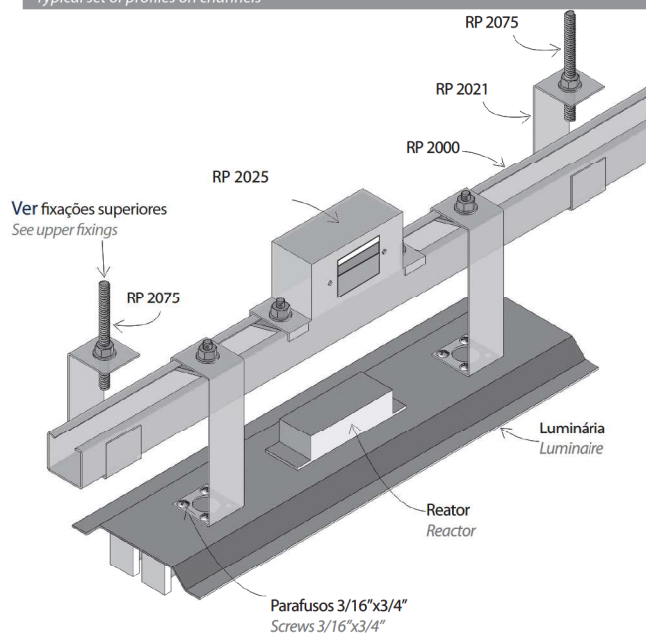


### EXEMPLOS DE MONTAGEM

#### MOUNTING EXAMPLES

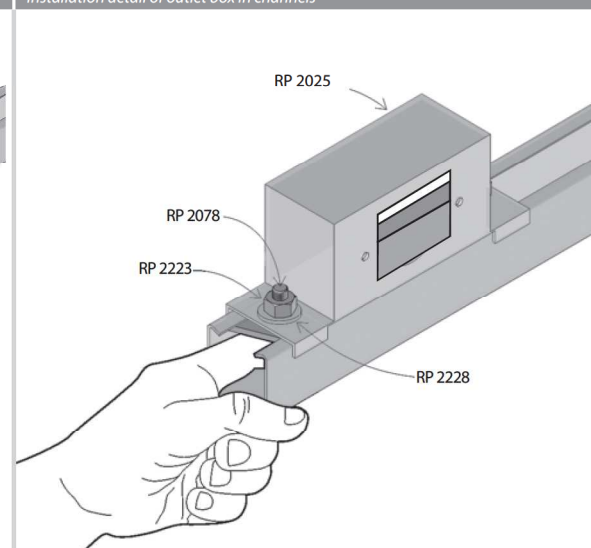
Montagem típica de luminárias em perfilados

Typical set of profiles on channels



Detalhe de instalação da caixa de tomadas em perfilados

Installation detail of outlet box in channels



Obs: Os perfilados 38x19 são usados como elemento estrutural (suportes) e não para passagem de fios e cabos, devido a pequena seção.

Note: The low channels 38x19 are used as a structural element (as support) and not for passage of wires and cables due to the small section.

# Observações técnicas para perfilados

## Technical notes for channels

Para fixação das juntas retas (RP 2017) e "L" (RP 2018), que unem trechos retos entre si, utilizar em cada uma 4(quatro) jogos de parafusos cabeça lenticilha Ø3/8"x3/4" (RP 2216), porcas sextavadas Ø3/8" (RP 2224) e arruelas lisas Ø3/8" (RP 2229). Como alternativa podem ser utilizados parafusos com cabeça lenticilha auto travante Ø5/16"x3/4" (RP 2347) com porcas e arruelas 5/16".

Em locais sujeitos a vibrações mecânicas, recomendamos usar arruelas de pressão Ø3/8" (RP 2234) ou 5/16" (RP 2336).

Para fixação das juntas internas "T" (RP 2019) e "X" (RP 2020) proceder conforme descrito acima, com a quantidade adequada de parafusos.

**ATENÇÃO:** Recomendamos instalar os parafusos com as cabeças voltadas para o interior dos perfilados para evitar danos aos fios e cabos durante o lançamento e ganhar espaço interno.

### ACABAMENTOS SUPERFICIAIS

Acrescentar sempre ao término das referências o tipo de acabamento superficial ou material desejado:

**PZ** pré-galvanizado a quente - padrão CSN conf. NBR 7008

**GF** pós-galvanizada conf. NBR 6323

**AL** alumínio

**AI** aço inox

**PT** pintado

**GE** galvanizada eletrolítica

**ATENÇÃO:** Especificações sem a indicação do tratamento superficial serão consideradas como materiais pré galvanizado a quente (PZ).

### ESPECIFICAÇÕES

**PERFILADOS:** Indicar sempre as dimensões (38x38 ou 38x19 mm), se perfurado ou liso, o acabamento superficial e o comprimento das peças (3000 ou 6000 mm).

**EXEMPLO:** RP 2002/18/GF, perfilado liso 38x38 mm #18 com dois furos nas pontas, galvanizado a fogo, conforme NBR 6323, em peças de 6000 mm.

**ATENÇÃO:** Na falta de informações nas especificações dos perfilados, consideraremos como 38x38 mm, perfurada, pré-galvanizado a quente - padrão CSN conf. NBR 7008 em peças de 6000 mm.

**ACESSÓRIOS:** Indicar as referências e o tipo de acabamento superficial desejados.

**EXEMPLO:** RP 2017-GF, junta interna reta para perfilado 38x38 pós-galvanizado conf. NBR 6323.

**ATENÇÃO: RECOMENDAMOS ATERRAR TODO SISTEMA DE PERFILADOS.**

For placement of the straight (RP 2017) and "L" (RP 2018) joints, which connect straight sections between each other, use on each 4 (four) sets of lenticil head bolt Ø3/8"x3/4" (RP 2216), hexagonal nut Ø3/8" (RP 2224) and plain washers Ø3/8" (RP 2229). Alternatively, it may be used self lock bolt Ø5/16"x3/4" (RP 2347) hexagonal nuts and washers 5/16".

In places subject to mechanical vibrations, we recommend the use of Ø3/8" (RP 2234) or 5/16" (RP 2336) pressure washers.

For placement of the "T" (RP 2019) and "X" (RP 2020) internal joints proceed as described above, with the appropriate number of screws.

**ATTENTION:** We recommended to use of the screws with the heads turned to the channels' interior to avoid damages during the launching of electrical cable and to increase internal space.

### SUPERFICIAL FINISHING

Always add to reference ends the desired surface treatment or finishing type:

**PZ** pre galvanized steel according to NBR 7008

**GF** hot dip galvanized according NBR 6323

**AL** aluminum

**AI** stainless steel

**PT** painted

**GE** eletrolitic galvanization

**ATTENTION:** Specifications without indication of surface treatment shall be considered as pre galvanized steel according to NBR 7008 (PZ).

### SPECIFICATIONS

**CHANNELS:** Always indicate the dimensions (38x38 or 38x19 mm), if perforated or smooth, surface finish and length of pieces (3000 or 6000 mm).

**EXAMPLE:** RP 2002/18/GF, 38x38mm smooth channel, with two holes at the ends, hot dip galvanized according to NBR 6323, in pieces of 6000 mm.

**ATTENTION:** In the absence of information on channel specifications, we will consider as 38x38 mm, perforated, pre galvanized steel according to NBR 7008 in pieces of 6000 mm.

**ACCESSORIES:** Please indicate after references the desired finishing or surface treatment.

**EXAMPLE:** RP 2017-GF, straight internal joint for 38x38 channel hot dip galvanized according NBR 6323.

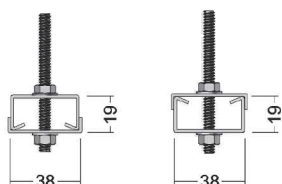
**ATTENTION: WE RECOMMEND TO GROUND ANY CHANNEL SYSTEMS.**



# Tabelas de cargas: perfilados 38x19 / 38x38 mm

## Load tables: channels 38x19 / 38x38 mm

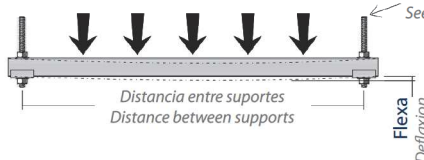
Perfilado 38x19 (largura 38 x aba 19)  
Channel 38x19 (width 38 x beam 19)



Carga uniformemente distribuída (fios ou cabos elétricos)

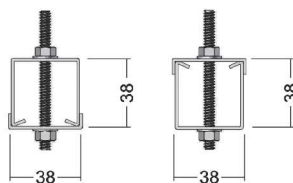
Load uniformly distributed (wires or electrical cables)

Ver sugestões para instalação (pág. 20)  
See suggestions of installations (page 20)



chapa plate	distância entre suportes (mm) / cargas (Kg) distance between supports (mm) / loads (Kg)									
	200 mm	300 mm	400 mm	500 mm	600 mm	800 mm	900 mm	1000 mm	1200 mm	1500 mm
#20	175	158	145	125	107	85				
#18	212	187	170	148	132	110	89	69		
#16	241	206	181	168	151	132	108	81	62	45
#14	295	232	198	184	176	152	123	93	74	62
flexa relação 1/300 relation of deflection 1/300	0,7 mm	1 mm	1,3 mm	1,7 mm	2,0 mm	2,7 mm	3,0 mm	3,5 mm	4,0 mm	5,0 mm

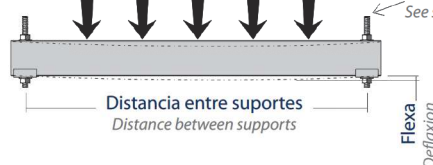
Perfilado 38x38 (largura 38 x aba 38)  
Channel 38x38 (width 38 x beam 38)



Carga uniformemente distribuída (fios ou cabos elétricos)

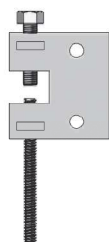
Load uniformly distributed (wires or electrical cables)

Ver sugestões para instalação (pág. 20)  
See suggestions of installations (page 20)



chapa plate	distância entre suportes (mm) / cargas (Kg) distance between supports (mm) / loads (Kg)				
	1000 mm	1500 mm	2000 mm	2500 mm	3000 mm
#20	78	45	38	25	15
#18	87	60	54	42	25
#16	98	72	64	52	31
#14	108	87	75	63	40
flexa relação 1/300 relation of deflection 1/300	3,5 mm	5 mm	6,5 mm	8,5 mm	10 mm

Grampo "C" com suportaço através da porca retangular  
Beam clamp using rectangular nut



Caso 1: Utilizando-se porca retangular de 1/4  
Case 1: Using rectangular nut  $\phi$  1/4

RP 2033

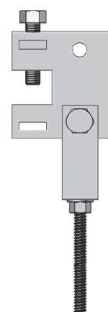
Carga concentrada=80 kg  
Concentrated load=80 kg

Caso 2: Utilizando-se porca retangular de 3/8  
Case 2: Using rectangular nut  $\phi$  3/8

RP 2033

Carga concentrada=120 kg  
Concentrated load=120 kg

Grampo "C" com balancim  
Beam clamp with swing connector



Utilizando-se balancim  
Using swing connector

RP 2033 + RP 2034

Carga concentrada=150 kg  
Concentrated load=150 kg

Nota: Poderá ser fabricado com garra mediante solicitação.  
Note: Can be manufactured with claw under request.

# Abraçadeiras metálicas

## Metallic clamps

Braçadeira "U" Perfil  
U pipe clamp

Ref.	Ø
RP 2079	3/8"
RP 2080	1/2"
RP 2081	3/4"
RP 2082	1"
RP 2083	1.1/4"
RP 2084	1.1/2"
RP 2085	2"
RP 2086	2.1/2"
RP 2087	3"
RP 2088	3.1/2"
RP 2089	4"
RP 2289	6"



Parafusos e porcas inclusos  
Screws and nuts included

Braçadeira "U" perfil com cunha  
"U" Clamp with clamping wedge

Ref.	Ø
RP 2480	1/2"
RP 2481	3/4"
RP 2482	1"
RP 2483	1.1/4"
RP 2484	1.1/2"
RP 2485	2"
RP 2486	2.1/2"
RP 2487	3"
RP 2488	3.1/2"
RP 2489	4"



Abraçadeira "D" com parafuso  
"D" Pipe clamp with fixing bolts

Ref.	Ø
RP 2091	1/2"
RP 2092	3/4"
RP 2093	1"
RP 2094	1.1/4"
RP 2095	1.1/2"
RP 2096	2"
RP 2097	2.1/2"
RP 2098	3"
RP 2373	3.1/2"
RP 2375	4"



Parafusos e porcas inclusos  
Screws and nuts included

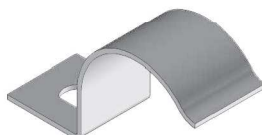
Abraçadeira "D" com cunha  
"D" Clamp with clamping wedge

Ref.	Ø
RP 2290	3/8"
RP 2291	1/2"
RP 2292	3/4"
RP 2293	1"
RP 2294	1.1/4"
RP 2295	1.1/2"
RP 2296	2"
RP 2297	2.1/2"
RP 2298	3"
RP 2374	3.1/2"
RP 2376	4"



Unha  
Snap type strap

Ref.	Ø nom.	Ø A	Ø B
RP 2189	3/8"	17,5	3/8"
RP 2190	1/2"	22	3/8"
RP 2191	3/4"	27,5	3/8"
RP 2192	1"	34	3/8"
RP 2193	1.1/4"	43	3/8"
RP 2194	1.1/2"	49	3/8"
RP 2195	2"	61	3/8"
RP 2196	2.1/2"	74	3/8"
RP 2197	3"	90	3/8"
RP 2198	3.1/2"	102	3/8"
RP 2199	4"	114	3/8"



Ômega  
Omega type strap

Ref.	p/ tubo Ø
Ref.	for tube Ø
RP 2099	3/8"
RP 2100	1/2"
RP 2101	3/4"
RP 2102	1"
RP 2103	1.1/4"
RP 2104	1.1/2"
RP 2105	2"
RP 2106	2.1/4"
RP 2107	3"
RP 2108	3.1/2"
RP 2109	4"
RP 2110	5"
RP 2111	6"
RP 2112	8"
RP 2113	10"



# Abraçadeiras metálicas

## Metallic clamps

### União horizontal

Adjustable hanger horizontal type



Ref.	Diâmetro nominal		Ø	B	C	Carga máx.
	Nom. diameter					
Ref.	pol.	mm	mm	mm	mm	Max. load
RP 2127	1/2"	21,3	23,8	25	3/8"	150 Kg
RP 2128	3/4"	26,7	28,6	25	3/8"	150 Kg
RP 2129	1"	33,5	34,9	25	3/8"	150 Kg
RP 2130	1.1/4"	42,3	43,7	25	3/8"	250 Kg
RP 2131	1.1/2"	48,3	50,8	25	3/8"	250 Kg
RP 2132	2"	60,3	61,9	45	3/8"	250 Kg
RP 2133	2.1/2"	75,5	75	45	3/8"	350 Kg
RP 2134	3"	88,3	90,5	45	3/8"	350 Kg
RP 2135	3.1/2"	101,6	104,9	50	3/8"	450 Kg
RP 2136	4"	114,3	116,7	50	3/8"	450 Kg
RP 2137	5"	141,3	142,9	55	3/8"	550 Kg
RP 2138	6"	168,3	171,5	55	3/8"	550 Kg
RP 2139	8"	219,1	222,3	60	3/8"	750 Kg
RP 2140	10"	273	276,2	60	3/8"	900 Kg
RP 2141	12"	324	327	75	3/8"	1100 Kg

### Grampo "U"

"U" bolt support



Ref.	Diâmetro nom.		Ø	B	C	D	Carga máx.
	Nom. diameter						
Ref.	pol.	mm	mm	mm	mm	mm	Max. load
RP 2173	3/8"	16,9	19,1	33,3	58,7	1/4"	280 Kg
RP 2174	1/2"	21,3	23,8	44,5	69,9	5/16"	600 Kg
RP 2175	3/4"	26,7	28,6	44,5	77,8	5/16"	601 Kg
RP 2176	1"	33,5	34,9	47,6	84,1	5/16"	602 Kg
RP 2177	1.1/4"	42,3	43,7	44,5	88,9	5/16"	603 Kg
RP 2178	1.1/2"	48,3	50,8	44,5	95,3	5/16"	604 Kg
RP 2179	2"	60,3	61,9	52,4	119,1	3/8"	900 Kg
RP 2180	2.1/2"	75,5	77	52,4	130,2	3/8"	901 Kg
RP 2181	3"	88,3	90,5	50,8	144,5	3/8"	902 Kg
RP 2182	3.1/2"	101,6	104,9	50,8	157,2	3/8"	903 Kg
RP 2183	4"	114,3	116,7	57,2	176,2	3/8"	904 Kg
RP 2184	5"	141,3	142,9	76,2	215,9	1/2"	1600 Kg
RP 2185	6"	168,3	171,5	95,3	257,2	1/2"	1601 Kg
RP 2186	8"	219,1	222,3	69,8	308	1/2"	1602 Kg
RP 2187	10"	273	276,2	76,2	371,5	1/2"	2500 Kg
RP 2188	12"	324	327	95,3	400,1	1/2"	3500 Kg

Acompanha duas porcas e duas arruelas de pressão  
Supplied with two sets of nuts and lock washers.

### União vertical

Adjustable hanger vertical type



Ref.	Diâmetro nom.		Ø	B	C	Carga máx.
	Nom. diameter					
Ref.	pol.	mm	mm	mm	mm	Max. load
RP 2142	1/2"	21,3	27	38	3/8"	150 Kg
RP 2143	3/4"	26,7	27	38	3/8"	150 Kg
RP 2144	1"	33,5	34	38	3/8"	150 Kg
RP 2145	1.1/4"	42,3	43	38	3/8"	250 Kg
RP 2146	1.1/2"	48,3	49	38	3/8"	250 Kg
RP 2147	2"	60,3	61	38	3/8"	250 Kg
RP 2148	2.1/2"	75,5	77	38	3/8"	350 Kg
RP 2149	3"	88,3	89	38	3/8"	350 Kg
RP 2150	3.1/2"	101,6	102	50	3/8"	450 Kg
RP 2151	4"	114,3	115	50	3/8"	450 Kg
RP 2152	5"	141,3	142	50	3/8"	550 Kg
RP 2153	6"	168,3	170	50	3/8"	550 Kg
RP 2154	8"	219,1	222	70	3/8"	750 Kg
RP 2155	10"	273	276	70	3/8"	900 Kg
RP 2156	12"	324	327	70	3/8"	1100 Kg

### Econômica

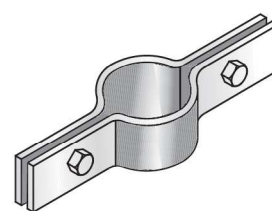
Band hanger - economic type



Ref.	Diâmetro nom.		Ø	C	Carga máx.
	Nom. diameter				
Ref.	pol.	mm	mm	mm	Max. load
RP 2114	1/2"	21,3	22	3/8"	250 Kg
RP 2115	3/4"	26,7	27	3/8"	250 Kg
RP 2116	1"	33,5	34	3/8"	250 Kg
RP 2117	1.1/4"	42,3	43	3/8"	250 Kg
RP 2118	1.1/2"	48,3	49	3/8"	250 Kg
RP 2119	2"	60,3	61	3/8"	250 Kg
RP 2120	2.1/2"	75,5	77	3/8"	250 Kg
RP 2121	3"	88,3	89	3/8"	420 Kg
RP 2122	3.1/2"	101,6	102	3/8"	420 Kg
RP 2123	4"	114,3	115	3/8"	420 Kg
RP 2124	5"	141,3	142	3/8"	420 Kg
RP 2125	6"	168,3	170	3/8"	540 Kg
RP 2126	8"	219,1	222	3/8"	780 Kg

### Braçadeira vertical

Vertical riser support



Ref.	Ø nom.	Ø
RP 2157	1/2"	22
RP 2158	3/4"	27
RP 2159	1"	34
RP 2160	1.1/4"	43
RP 2161	1.1/2"	49
RP 2162	2"	61
RP 2163	2.1/2"	77
RP 2164	3"	89
RP 2165	3.1/2"	102
RP 2166	4"	115
RP 2167	5"	143
RP 2168	6"	172
RP 2169	8"	223
RP 2170	10"	277
RP 2171	12"	328