

LIGNE**sati***speed***SYSTÈME DE STRUCTURES MODULAIRES**

METAL FRAMINGS SYSTEM

Ligne Sati-Speed
Système de structures modulaires
Metal framings system

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INSTRUCTIONS TECHNIQUES / TECHNICAL INSTRUCTIONS

satispeed système modulaire, pratique, rapide et économique qui permet de composer tout type de structure portante, robuste, réglable. Profilés, plaquettes de jonction et d'ancrage, fixations spéciales et d'autres accessoires peuvent être utilisés dans toutes les situations ; les seuls outils nécessaires au montage des structures de bases sont une scie à métaux et une clé anglaise.

Le système **satispeed** est compatible Avec les accessoires des systèmes de suspension en acier galvanisé à chaud et Sendzimir pour chemins de câbles SATI S2 - S5 et il est particulièrement indiqué pour la pose de échelles à câbles et de goulottes porte-câbles, canalisations, tubes pour fluides ou gaz, conduits d'air etc. dans les installations résidentielles, tertiaires et industrielles.

MATÉRIAUX

- Profilés **PRP**: en acier au carbone Fe 360 galvanisé à chaud après usinage (selon norme DIN 50976), et réalisés avec profilé de renfort; longueur 3 m; épaisseur 2,5 mm; trou oblong 11 x 17 mm avec entraxe de 35 mm.
- Profilés **PRL - PRM**: en acier Fe 360 galvanisé Sendzimir et réalisés avec profilés de renfort; versions avec et sans trous oblongs; longueur 3 m; épaisseur 2 mm; trou oblong de 11 x 20 mm avec entraxe de 50 mm.
- Plaquettes de jonction **PR**: en acier au carbone Fe 360 galvanisé à chaud après usinage (selon normes EN ISO 1461); largeur 40 mm; épaisseur 6 mm; trous Ø 13,5 mm avec entraxe de 50 mm; distance entre centre trou et extrémité plaquette = 20 mm.
- Visserie:
 - Plaquettes **PAP** (pour profilés **PRP**) et **PMP** (pour profilés **PRM**), avec ressort de contraste "jetable", en acier galvanisé par procédé électrolytique; filetage M10 (en option M12) également adapté pour vis galvanisées à chaud de notre fabrication.
 - Vis à éclipse, **VTA** (pour profilés **PRL** et **PRM**) galvanisées par procédé électrolytique; filetage M10 x 30.
 - Vis et rondelles **BZF** galvanisées à chaud (selon normes CEI 7.6), **BZE** galvanisées par procédé électrolytique; filetage M10 (en option M12).

CRITÈRES DE CONSTRUCTION

- Pour la réalisation de structures portantes, assembler les profilés **PRP - PRL - PRM** à l'aide des plaquettes de jonction **PR**, en utilisant les plaquettes **PAP - PMP**, les vis à éclipse **VTA**, les vis et les rondelles **BZF - BZE** M10 x 30. Les plaquettes, les vis et les rondelles doivent être commandées séparément.
- La présence de trous oblongs dans les profilés **PRP - PRL - PRM**, augmente le nombre de compositions possibles. En plus des plaquettes de jonction **PR**, il est possible d'utiliser également tous les accessoires du système de suspension, galvanisés à chaud, notamment les consoles **MP**, et les supports **SSP - SDP - SRP - SCP - DPP**, outre ceux du système galvanisé Sendzimir, en particulier **ML - PSM - SSM**.

satispeed is a practical, fast and economic modular system used to make up any type of load-bearing, robust and adjustable structure. Channels, fittings and special attachments can be used in any situation; in addition, a hacksaw and a wrench are the only instruments needed to assemble any type of basic structure.

The **satispeed** system is compatible with the fittings of hot-deep and Sendzimir galvanized steel systems for SATI S5 - S2 - S3 cable runways, and it is particularly appropriate for laying cable trays-trunkings-ductings, fluid or gas pipes, air ducts, etc. in civil, service and industrial system engineering.

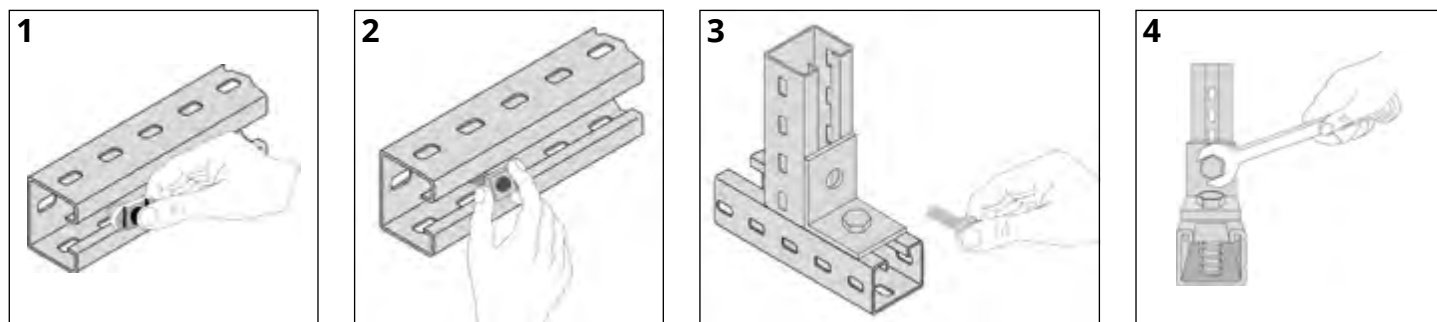
MATERIALS

- **PRP** channels: made in Fe 360 hot-deep galvanized carbon steel (according to DIN 50976 standards) and using reinforcement Profilésng; length 3 m; thickness 2.5 mm; slots 11 x 20 mm, with 50 mm centre to centre.
- **PRL - PRM** channels: made in Fe 360 Sendzimir galvanized steel Fe 360 and using reinforcement Profilésng; with or without slots; length 3 m; thickness 2 mm; slots 11 x 20 mm, with 50 mm centre to centre.
- **PR** fitting: made in Fe 360 hot-deep galvanized carbon steel (according to EN ISO 1461 standards); width 40 mm; thickness 6 mm; holes Ø 13.5 mm; interaxis between holes 50 mm; distance from centre to end plate hole 20 mm.
- Bolts and screws:
 - **PAP** (for **PRP** channel) and **PMP** (for **PRM** channel), spring nuts with disposable Avetrast spring in electrolytic galvanized steel: M10 thread (M12 on request) also suitable for hot-deep galvanized steel, provided that we supply them.
 - **VTA** anchor head screws (for **PRL** and **PRM** channels) in electroplated zinc steel; thread M10 x 30.
 - **BZF** hot-deep galvanized screws, and washers, **BZE** electrolytic galvanized, M10 thread (M12 on request).

CONSTRUCTION CRITERIAS

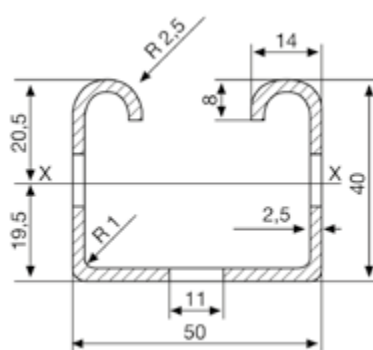
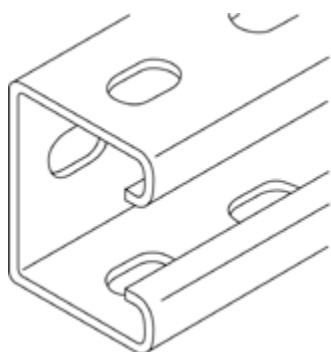
- For the construction of load-bearing structures, assembly **PRP - PRL - PRM** channels using **PR** fittings, **PAP - PMP** spring nuts, **VTA** anchor head screws and **BZF - BZE** M10 x 30 screws. Spring nuts, screws and washers and screws must be ordered separately.
- The slots in the **PRP - PRL - PRM** channels, increases the number of possible compositions. In addition to **PR** fittings, enables all the fittings of the hot-deep galvanized support system to be used, such as **MP** brackets, **SSP - SDP - SRP - SCP - DPP** supports, as well as those for galvanized Sendzimir system, in particular **ML - PSM - SSM**.

MONTAGE DE satispeed



MAKING satispeed CONNECTIONS

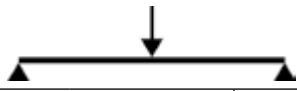
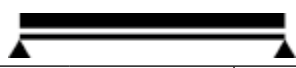
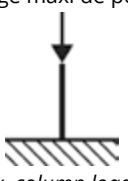
INSTRUCTIONS TECHNIQUES / TECHNICAL INSTRUCTIONS



Caractéristiques / Characteristics		
Zone / Area	3,0824	cm ²
Poids linéaire / Linear weight	2,4196	kg/m
Poids linéaire / Linear weight	2,3736	daN/m
J _x	7,9599	cm ⁴
W _x	3,8825	cm ³
r _x	1,6069	cm
J _y	11,8420	cm ⁴
W _y	4,7368	cm ³
r _y	1,9601	cm

Tab. 1 Profilé d'ancrage PRP - perforé de trous oblongs / Channel PRP - slotted

Cod. 2520452

Distance entre les supports	Charge maxi concentrée sur la ligne médiane		Flexion	Charge maxi uniformément répartie		Flexion	Charge maxi de pointe	
								
Span	Max. load concentrated in the middle		Deflection	Max. load distributed uniformly		Deflection	 Max. column loading	
L mm	P N	P kg	f _p mm	Q N	Q kg	f _q mm	F N	F kg
250	9156	933	0,18	18312	1867	0,23	49910	5088
500	4578	467	0,73	9156	933	0,91	49910	5088
750	3052	311	1,64	6104	622	2,04	49910	5088
1000	2289	233	2,91	4578	467	3,64	49910	5088
1250	1831	187	4,54	3662	373	5,68	49910	5088
1500	1526	156	6,54	3052	311	8,18	46755	4766
1750	1308	133	8,91	2616	267	11,13	34351	3502
2000	1145	117	11,63	2289	233	14,54	26300	2681
2250	1017	104	14,72	2035	207	18,40	20780	2118
2500	916	93	18,18	1831	187	22,72	16832	1716
2750	832	85	21,99	1665	170	27,49	13911	1418
3000	763	78	26,17	1526	156	32,72	11689	1192
3500	654	67	35,62	1308	133	44,53	8588	875
4000	572	58	46,52	1145	117	58,16	6575	670

RÉSISTANCES DU PROFILÉ

Les résistances admissibles se rapportent aux conditions d'utilisation suivantes:

- poutre soutenue à ses extrémités sur simples appuis;
- retour élastique parfait;
- sollicitation admissible: 140 N/mm²;
- coefficient de sécurité: ≥ 2,5.

Les charges mentionnées dans le tableau sont:

- charge "P"; concentrée sur ligne médiane;
- charge "Q" uniformément répartie;
- charge "F" de pointe.

En cas de conditions d'utilisation différentes (répartition de la charge et appui) les valeurs de charge et de flèche s'obtiennent en multipliant "Q" et "f_q" pour les facteurs correspondants indiqués dans le tableau de conversion (Tab. 6).

CHARGE DE POINTE

La charge de pointe "F" indiquée dans le tableau se réfère à une charge axiale barycentrique.

CONDITIONS DE TRAVAIL ACCEPTABLES

Lorsque les conditions d'installation permettent d'accepter un coefficient de sécurité de 2 (sollicitation admissible 175 N/mm²) les charges P, Q et les flèches f reportées dans le tableau peuvent être augmentées de 30%.

LOADS OF THE CHANNEL

The permitted loads are referred to the following working conditions: - simple beam laid on two supports;

- deflection complete elastic return;
- permitted working stress: 140 N/mm²;
- safety factor: ≥ 2,5.

The loads pointed out in the table are:

- concentrated load in the middle "P";
- uniformly distributed load "Q";
- maximum column loading "F".

In any other working conditions (load disposition and supports), load and deflection are obtained getting the product of "Q" and "f_q" respectively with the correspondent factor in the conversion table (Tab. 6).

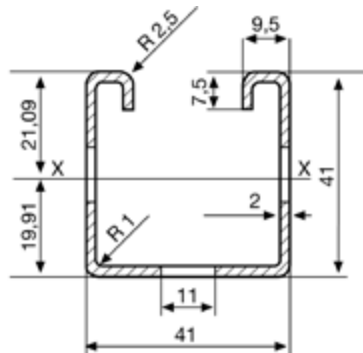
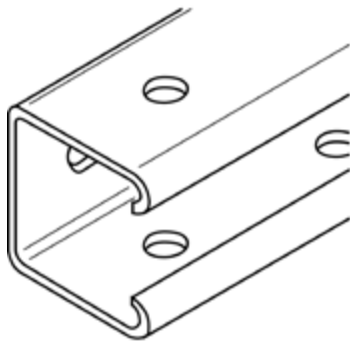
COLUMN LOAD

Column load "F" is pointed out in the table and it is referred to an axial barycentric load.

FAVOURABLE CONDITIONS FOR WORK

When the working conditions permit a safety factor 2 (permitted working stress 175 N/mm²) the loads P, Q and the deflections f listed in the table can be increased by 30%.

INSTRUCTIONS TECHNIQUES / TECHNICAL INSTRUCTIONS



Caractéristiques / Characteristics		
Zone / Area	2,1724	cm ²
Poids linéaire / Linear weight	1,7050	kg/m
Poids linéaire / Linear weight	1,6726	daN/m
J _x	5,6403	cm ⁴
W _x	2,6744	cm ³
r _x	1,9910	cm
J _y	6,1601	cm ⁴
W _y	3,0049	cm ³
r _y	2,1089	cm

Tab. 2 Profilé d'ancrage PRP - perforé de trous oblongs / Channel PRM - slotted

Cod. 2020202

Distance entre les supports	Charge maxi concentrée sur la ligne médiane		Flexion	Charge maxi uniformément répartie		Flexion	Charge maxi de pointe	
Span	Max. load concentrated in the middle		Deflection	Max. load distributed uniformly		Deflection	Max. column loading	
L mm	P N	P kg	f _p mm	Q N	Q kg	f _q mm	F N	F kg
250	5991	611	0,17	11981	1221	0,21	41707	4251
500	2995	305	0,67	5991	611	0,84	41707	4251
750	1997	204	1,51	3994	407	1,89	41707	4251
1000	1498	153	2,69	2995	305	3,36	41707	4251
1250	1198	122	4,20	2396	244	5,24	41707	4251
1500	998	102	6,04	1997	204	7,55	33130	3377
1750	856	87	8,22	1712	174	10,28	24340	2481
2000	749	76	10,74	1498	153	13,43	18636	1900
2250	666	68	13,59	1331	136	16,99	14724	1501
2500	599	61	16,78	1198	122	20,98	11927	1216
2750	545	56	20,31	1089	111	25,38	9857	1005
3000	499	51	24,17	998	102	30,21	8283	844
3500	428	44	32,89	856	87	41,12	6085	620
4000	374	38	42,96	749	76	53,70	4659	475

RÉSISTANCES DU PROFILÉ

Les résistances admissibles se rapportent aux conditions d'utilisation suivantes:

- poutre soutenue à ses extrémités sur simples appuis;
- retour élastique parfait;
- sollicitation admissible: 140 N/mm²;
- coefficient de sécurité: ≥ 2,5.

Les charges mentionnées dans le tableau sont:

- charge "P": concentrée sur ligne médiane;
- charge "Q" uniformément répartie;
- charge "F" de pointe.

En cas de conditions d'utilisation différentes (répartition de la charge et appui) les valeurs de charge et de flèche s'obtiennent en multipliant "Q" et "f_q" pour les facteurs correspondants indiqués dans le tableau de conversion (Tab. 6).

CHARGE DE POINTE

La charge de pointe "F" indiquée dans le tableau se réfère à une charge axiale barycentrique.

CONDITIONS DE TRAVAIL ACCEPTABLES

Lorsque les conditions d'installation permettent d'accepter un coefficient de sécurité de 2 (sollicitation admissible 175 N/mm²) les charges P, Q et les flèches f reportées dans le tableau peuvent être augmentées de 30%.

LOADS OF THE CHANNEL

The permitted loads are referred to the following working conditions: - simple beam laid on two supports;

- deflection complete elastic return;
- permitted working stress: 140 N/mm²;
- safety factor: ≥ 2,5.

The loads pointed out in the table are:

- concentrated load in the middle "P";
- uniformly distributed load "Q";
- maximum column loading "F".

In any other working conditions (load disposition and supports), load and deflection are obtained getting the product of "Q" and "f_q" respectively with the correspondent factor in the conversion table (Tab. 6).

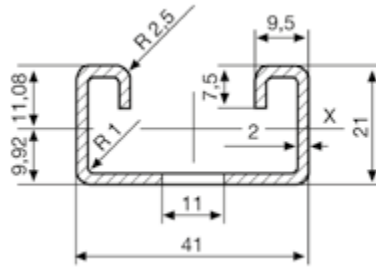
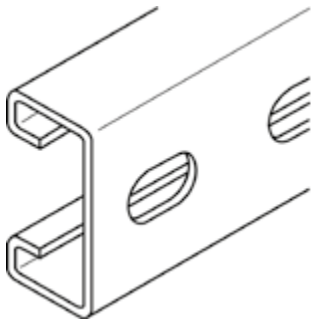
COLUMN LOAD

Column load "F" is pointed out in the table and it is referred to an axial barycentric load.

FAVOURABLE CONDITIONS FOR WORK

When the working conditions permit a safety factor 2 (permitted working stress 175 N/mm²) the loads P, Q and the deflections f listed in the table can be increased by 30%.

INSTRUCTIONS TECHNIQUES / TECHNICAL INSTRUCTIONS



Caractéristiques / Characteristics		
Zone / Area	1,81240	cm ²
Poids linéaire / Linear weight	1,42270	kg/m
Poids linéaire / Linear weight	1,39570	daN/m
J_x	1,05270	cm ⁴
W_x	0,94980	cm ³
r_x	0,76213	cm
J_y	4,79000	cm ⁴
W_y	2,33660	cm ³
r_y	1,62570	cm

Tab. 4 Profilé d'ancrage PRP - perforé de trous oblongs / Channel PRL - slotted

Cod. 2020152

Distance entre les supports	Charge maxi concentrée sur la ligne médiane		Flexion	Charge maxi uniformément répartie		Flexion	Charge maxi de pointe	
Span	Max. load concentrated in the middle		Deflection	Max. load distributed uniformly		Deflection	Max. column loading	
L mm	P N	P kg	f_p mm	Q N	Q kg	f_q mm	F N	F kg
250	2128	217	0,32	4255	434	0,40	29060	2962
500	1064	108	1,28	2128	217	1,60	29060	2962
750	709	72	2,87	1418	145	3,59	24734	2521
1000	532	54	5,11	1064	108	6,39	13913	1418
1250	426	43	7,98	851	87	9,98	8904	908
1500	355	36	11,50	709	72	14,37	6183	630
1750	304	31	15,65	608	62	19,56	4543	463
2000	266	27	20,44	532	54	25,55	3478	355
2250	236	24	25,87	473	48	32,34	2748	280
2500	213	22	31,94	426	43	39,92	2226	227
2750	193	20	38,64	387	39	48,30	1840	188
3000	177	18	45,99	355	36	57,49	1546	158
3500	152	15	62,60	304	31	78,25	1136	116
4000	133	14	81,76	266	27	102,20	870	89

RÉSISTANCES DU PROFILÉ

Les résistances admissibles se rapportent aux conditions d'utilisation suivantes:

- poutre soutenue à ses extrémités sur simples appuis;
- retour élastique parfait;
- sollicitation admissible: 140 N/mm²;
- coefficient de sécurité: $\geq 2,5$.

Les charges mentionnées dans le tableau sont:

- charge "P"; concentrée sur ligne médiane;
- charge "Q" uniformément répartie;
- charge "F" de pointe.

En cas de conditions d'utilisation différentes (répartition de la charge et appui) les valeurs de charge et de flèche s'obtiennent en multipliant "Q" et " f_q " pour les facteurs correspondants indiqués dans le tableau de conversion (Tab. 6).

CHARGE DE POINTE

La charge de pointe "F" indiquée dans le tableau se réfère à une charge axiale barycentrique.

CONDITIONS DE TRAVAIL ACCEPTABLES

Lorsque les conditions d'installation permettent d'accepter un coefficient de sécurité de 2 (sollicitation admissible 175 N/mm²) les charges P, Q et les flèches f reportées dans le tableau peuvent être augmentées de 30%.

LOADS OF THE CHANNEL

The permitted loads are referred to the following working conditions: - simple beam laid on two supports;

- deflection complete elastic return;
- permitted working stress: 140 N/mm²;
- safety factor: $\geq 2,5$.

The loads pointed out in the table are:

- concentrated load in the middle "P";
- uniformly distributed load "Q";
- maximum column loading "F".

In any other working conditions (load disposition and supports), load and deflection are obtained getting the product of "Q" and " f_q " respectively with the correspondent factor in the conversion table (Tab. 6).

COLUMN LOAD

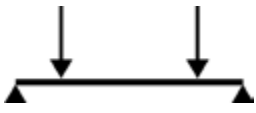
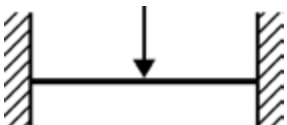
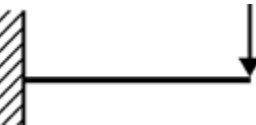
Column load "F" is pointed out in the table and it is referred to an axial barycentric load.

FAVOURABLE CONDITIONS FOR WORK

When the working conditions permit a safety factor 2 (permitted working stress 175 N/mm²) the loads P, Q and the deflections f listed in the table can be increased by 30%.

COEFFICIENTS DE CONVERSION POUR POUTRES SOUMISES À DIFFÉRENTES CONDITIONS DE CHARGE STATIQUE
CONVERSION FACTOR FOR BEAMS WITH VARIOUS STATIC LOADING CONDITIONS

Table 6

CONDITION DE PORTÉE ET D'APPUI <i>LOAD AND SUPPORT CONDITION</i>	SCHÉMA <i>FIGURE</i>	COEFFICIENT DE PORTÉE <i>LOAD FACTOR</i>	COEFFICIENT DE FLÈCHE <i>DEFLECTION FACTOR</i>
Poutre simplement appuyée Charge uniformément distribuée <i>Simple beam laid on two supports</i> <i>Uniform load</i>		1,00	1,00
Poutre simplement appuyée Deux charges identiques concentrées sur 1/4 de L <i>Simple beam laid on two supports</i> <i>Two equal concentrated loads at 1/4 of L</i>		1,00	1,10
Poutre encastrée sur deux côtés Charge uniformément distribuée <i>Beam fixed at both ends</i> <i>Uniform load</i>		1,50	0,30
Poutre encastrée sur deux côtés Charge concentrée sur la ligne médiane <i>Beam fixed at both ends</i> <i>Concentrated load at centre</i>		1,00	0,40
Poutre encastrée à une seule extrémité Charge uniformément répartie <i>Cantilever beam</i> <i>Uniform load</i>		0,25	2,40
Poutre encastrée à une extrémité Charge concentrée sur l'extrémité opposée <i>Cantilever beam</i> <i>Concentrated load at end</i>		0,12	3,20
Poutre continue, deux travées identiques Charge uniformément distribuée sur une travée <i>Continuous beam, two equal spans</i> <i>Uniform load on one span</i>		1,30	0,92
Poutre continue, travées identiques Charge uniformément répartie <i>Continuous beam, equal spans</i> <i>Uniform load</i>		1,00	0,42
Poutre continue, deux travées identiques Charge concentrée au centre d'une travée <i>Continuous beam, two equal spans</i> <i>Concentrated load at centre of one span</i>		0,62	0,71
Poutre continue, travées identiques Charge concentrée au centre des travées <i>Continuous beam, equal spans</i> <i>Concentrated load at centre of spans</i>		0,67	0,48

PROFILÉ D'ANCRAGE / "U" SECTION

PROFILÉ D'ANCRAGE - PRP

En acier galvanisé à chaud par immersion après usinage (ZF).
Longueur 3 m. Épaisseur 2,5 mm.
Boutonnieres 11 x 17 mm Avec inter-axe 35 mm.



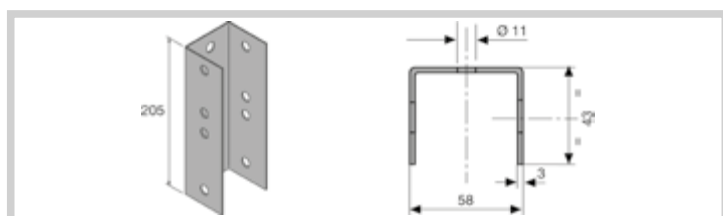
Code Code ZF	kg/m kg/m	Conf.m Pack.m
2520452	2,650	3

JOINT POUR PROFILÉ PRP - GPP

JOINT FOR PRP "U" SECTION - GPP

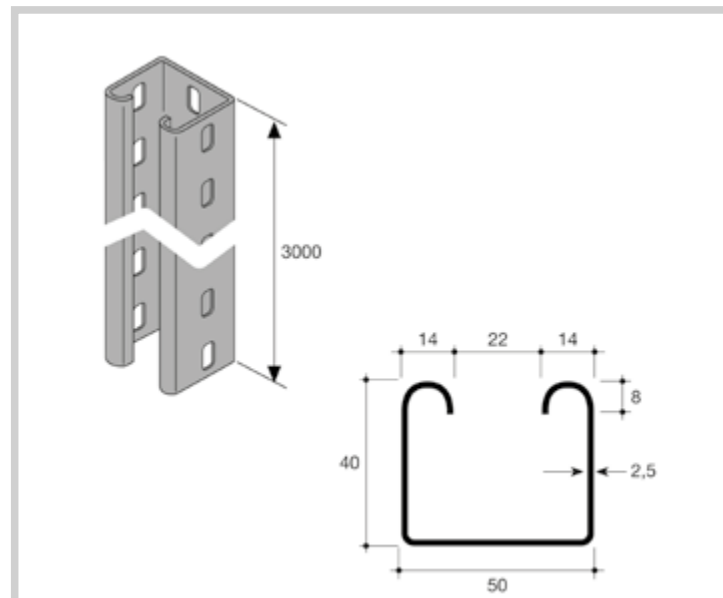


Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2520501	0,600	1

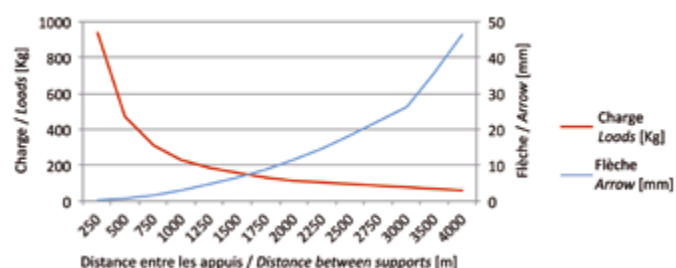


REINFORCED "U" SECTION - PRP

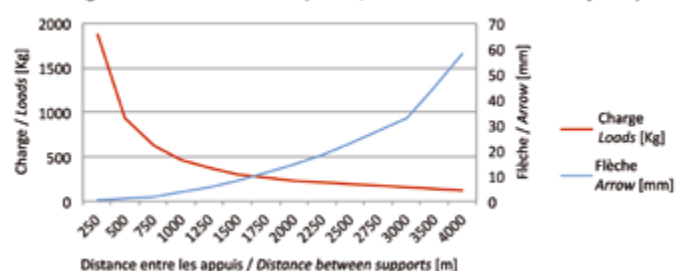
In hot-dip galvanized steel after machining (ZF).
Length 3 m. Thickness 2,5 mm.
Slots 11 x 17 mm with 35 mm centre to centre.



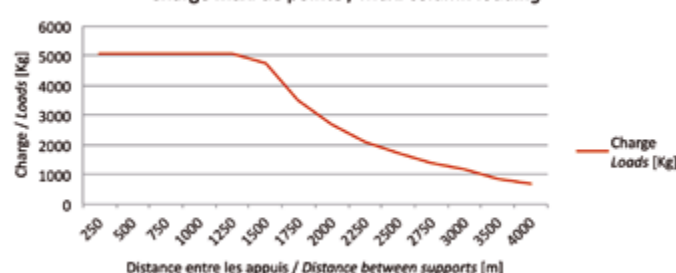
Max. Centre de chargement concentré / Max. Load concentrated in the middle



Charge maxi uniformément répartie / Max. load distributed uniformly



Charge maxi de pointe / Max. column loading



PROFILÉS / "U" SECTION

PROFILÉ POUR SUSPENSIONS - PRL

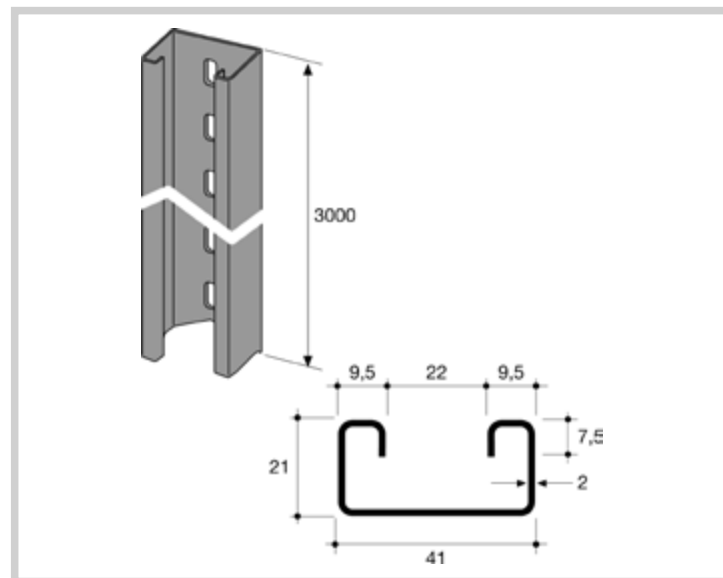
Acier galvanisé Sendzimir (ZS).
En acier galvanisé à chaud par immersion après usinage (ZF).
Longueur 3 m. Épaisseur 2 mm.
Boutonnieres 11 x 20 mm Avec inter-axe 50 mm.



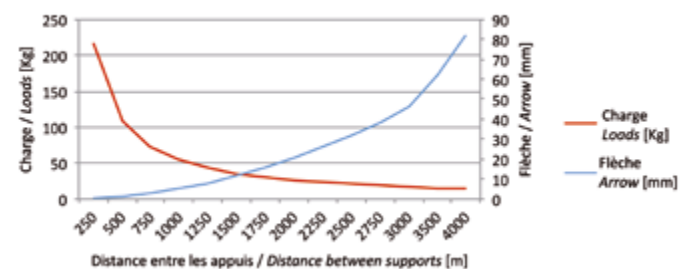
Code Code ZS	Code Code ZF	kg/m kg/m	Conf.m Pack.m
2020152	2520152	1,370	3

"U" SECTION - PRL

In Sendzimir galvanized steel (ZS).
In hot galvanized steel after machining (ZF).
Length 3 m. Thickness 2 mm.
Slots 11 x 20 mm with 50 mm centre to centre.



Max. Centre de chargement concentré / Max. Load concentrated in the middle

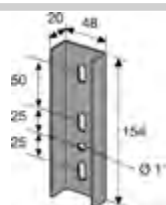


JOINT POUR PROFILÉ PRL - GPRL

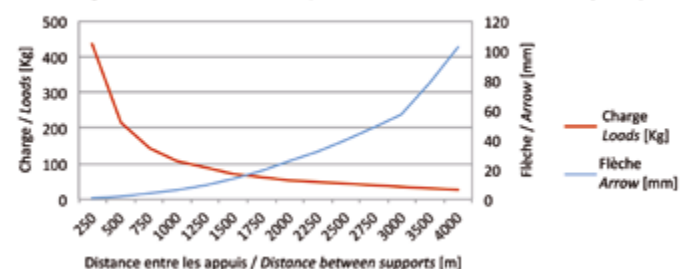
JOINT FOR PRL "U" SECTION - GPRL



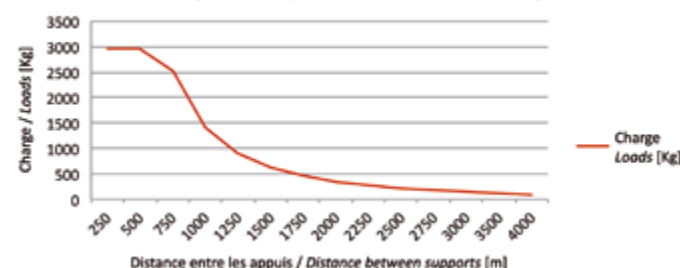
Code Code ZS	Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2020153	2520153	0,150	1



Charge maxi uniformément répartie / Max. load distributed uniformly



Charge maxi de pointe / Max. column loading



PROFILÉS / "U" SECTION

PROFILÉ POUR SUSPENSIONS - PRM

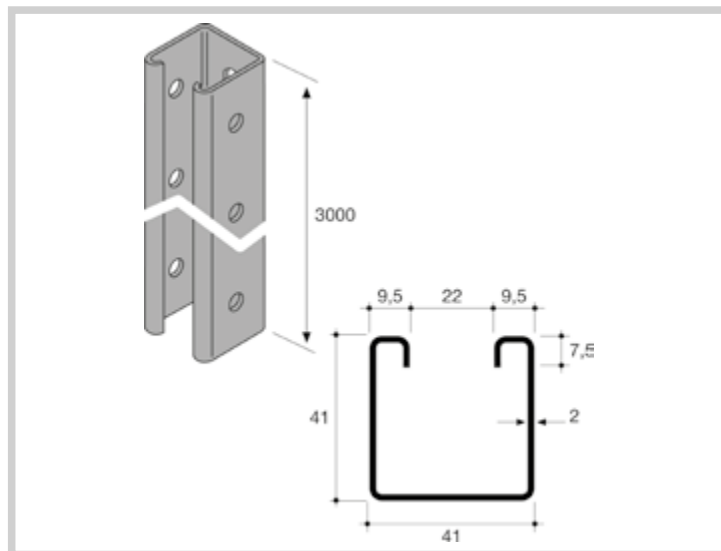
Acier galvanisé Sendzimir (ZS).
En acier galvanisé à chaud par immersion après usinage (ZF).
Longueur 3 m. Épaisseur 2 mm.
Boutonnieres 11 x 20 mm Avec inter-axe 50 mm.
Fori Ø 9 mm Avec inter-axe 50 mm.



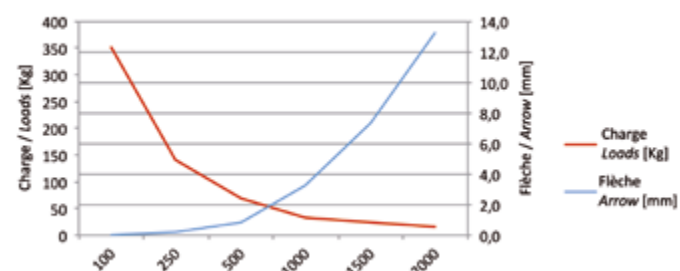
Code Code ZS	Code Code ZF	kg/m kg/m	Conf.m Pack.m
2020202	2520202	1,920	3

"U" SECTION - PRM

In Sendzimir galvanized steel (ZS).
In hot galvanized steel after machining (ZF).
Length 3 m. Thickness 2 mm.
Slots 11 x 20 mm with 50 mm centre to centre.
Holes Ø 9 mm with 50 mm centre to centre.



Max. Centre de chargement concentré / Max. Load concentrated in the middle

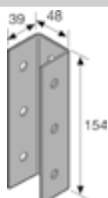


JOINT POUR PROFILÉ PRM - GPRM

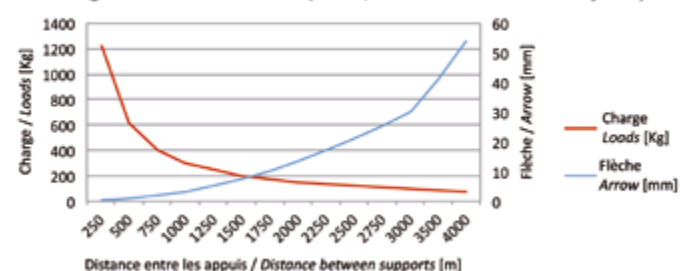
JOINT FOR PRM "U" SECTION - GPRM



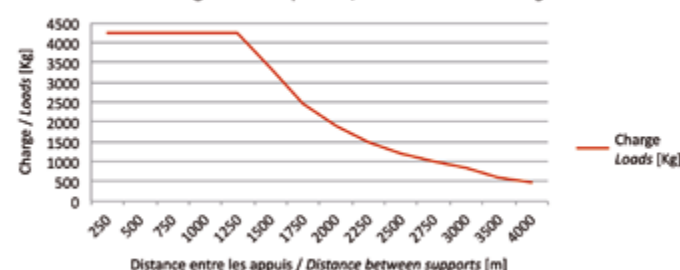
Code Code ZS	Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2020203	2520203	0,200	1



Charge maxi uniformément répartie / Max. load distributed uniformly



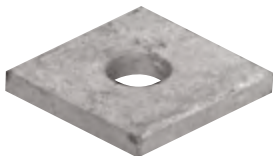
Charge maxi de pointe / Max. column loading



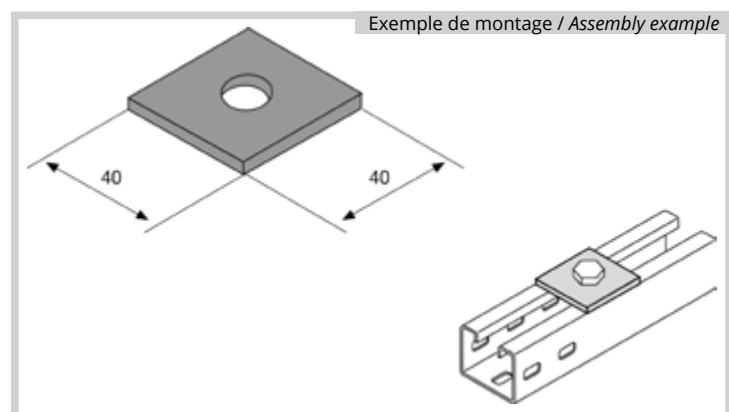
PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 101

PLATE - PR 101



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610001	0,085	1

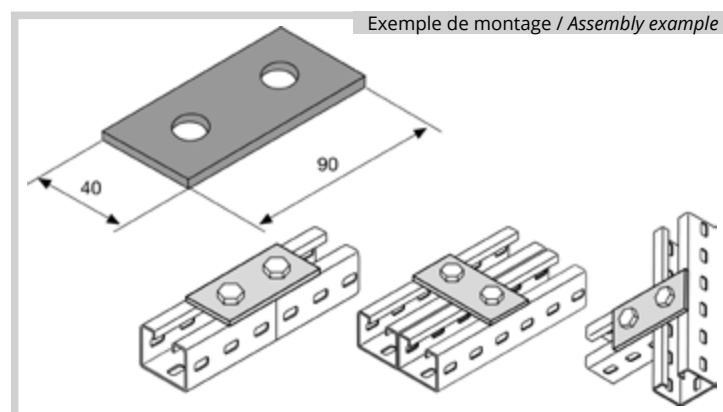


PLAQUE - PR 102

PLATE - PR 102



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610002	0,170	1

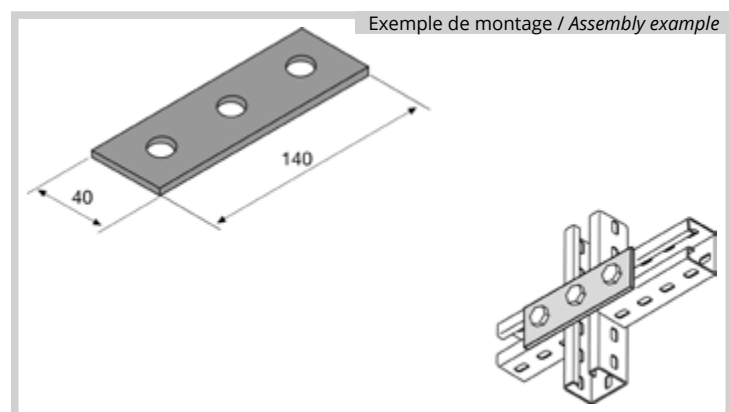


PLAQUE - PR 103

PLATE - PR 103



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610003	0,260	1

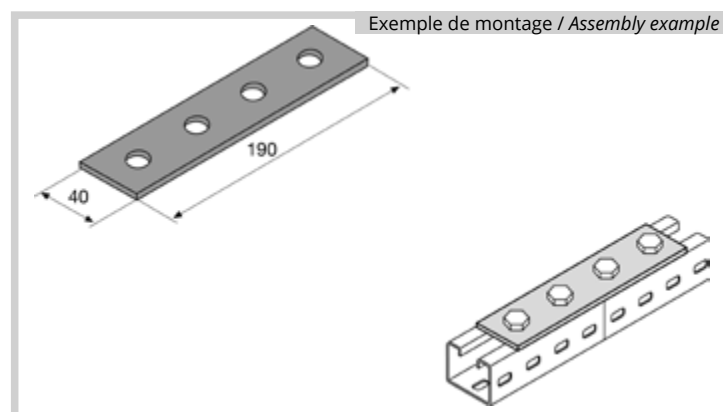


PLAQUE - PR 104

PLATE - PR 104



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610004	0,350	1



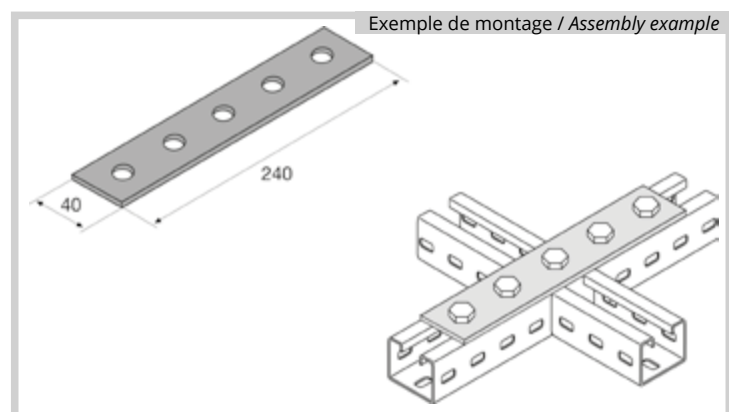
PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 105

PLATE - PR 105



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610005	0,430	1

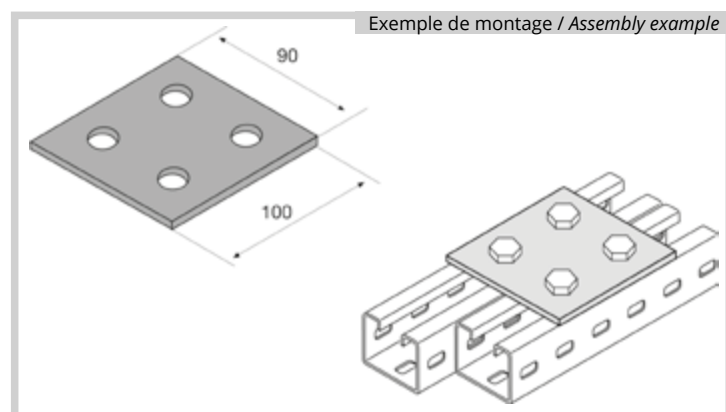


PLAQUE - PR 106

PLATE - PR 106



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610006	0,400	1

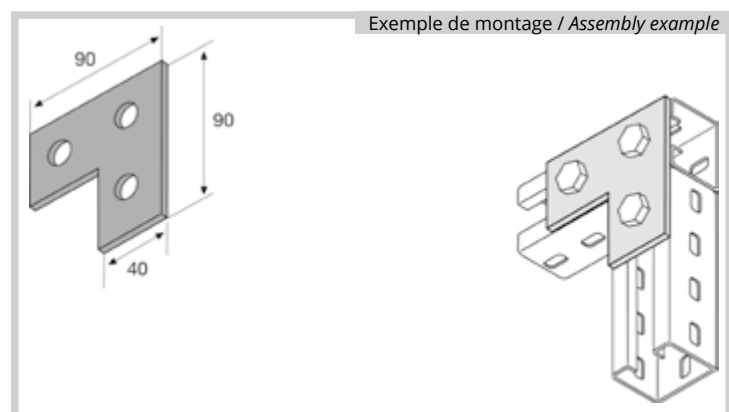


PLAQUE - PR 107

PLATE - PR 107



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610007	0,250	1

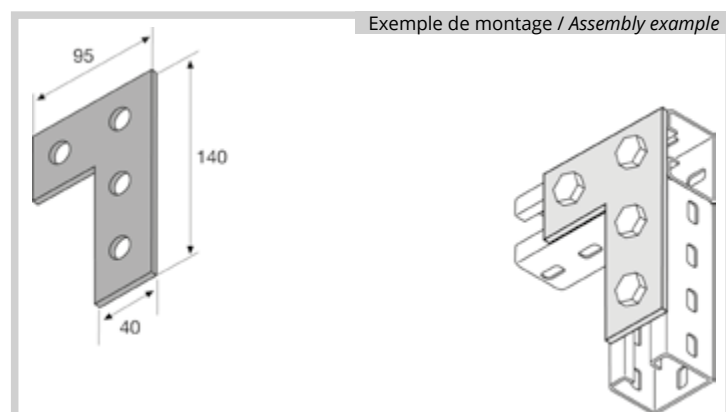


PLAQUE - PR 108

PLATE - PR 108



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610008	0,330	1



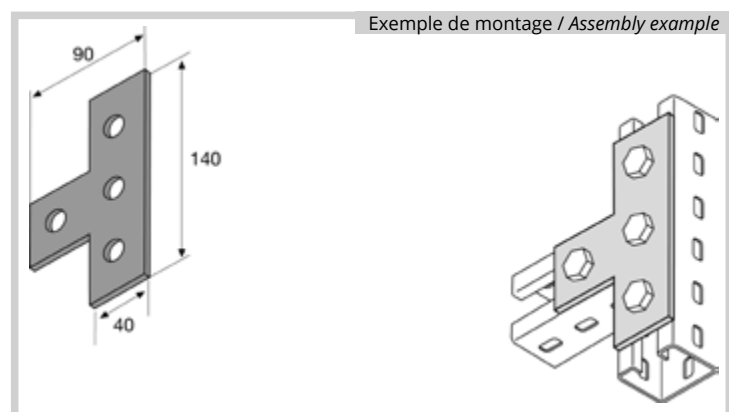
PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 109

PLATE - PR 109



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610009	0,330	1

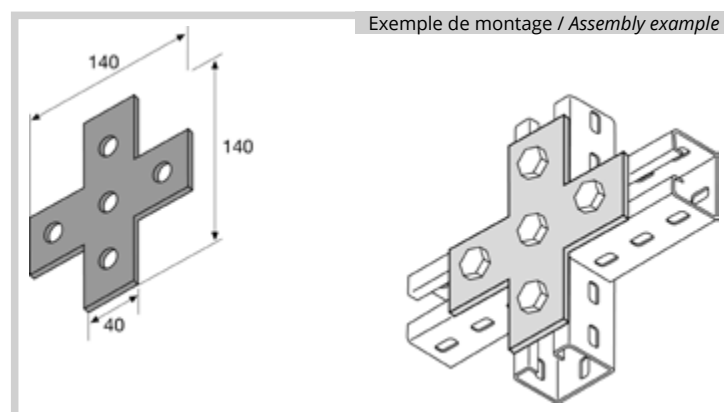


PLAQUE - PR 110

PLATE - PR 110



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610010	0,410	1

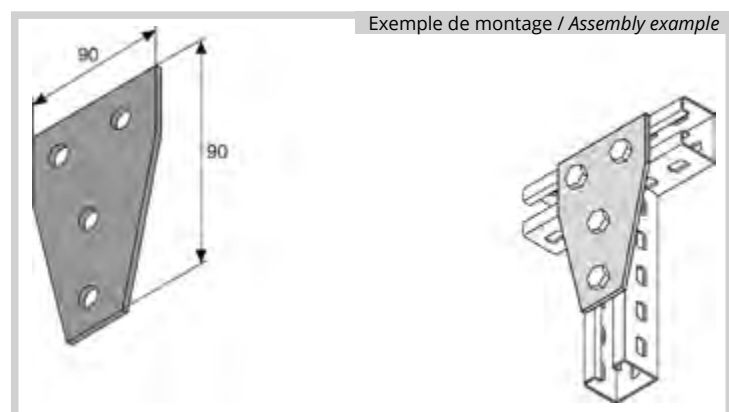


PLAQUE - PR 124

PLATE - PR 124



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610024	0,330	1

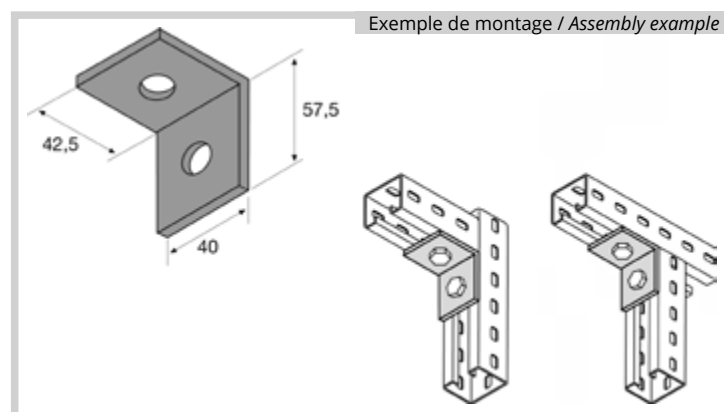


PLAQUE - PR 111

PLATE - PR 111



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610011	0,160	1



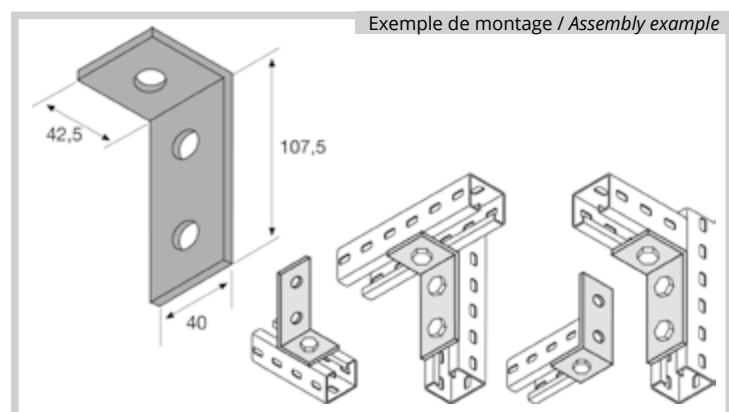
PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 112

PLATE - PR 112



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610012	0,250	1

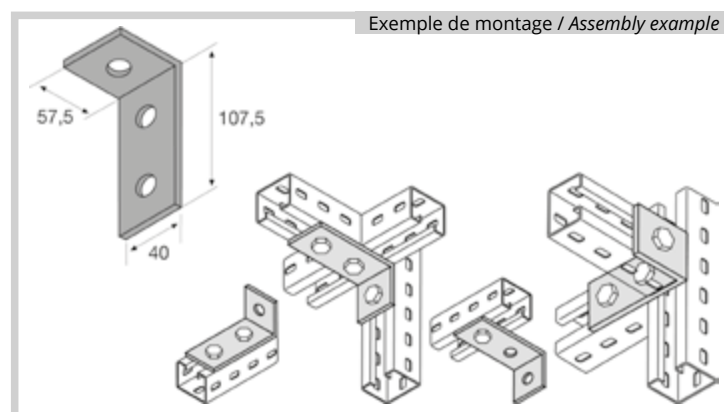


PLAQUE - PR 113

PLATE - PR 113



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610013	0,250	1

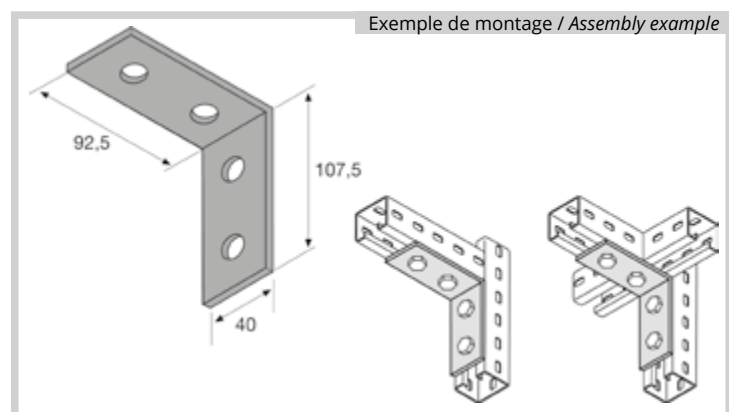


PLAQUE - PR 114

PLATE - PR 114



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610014	0,330	1

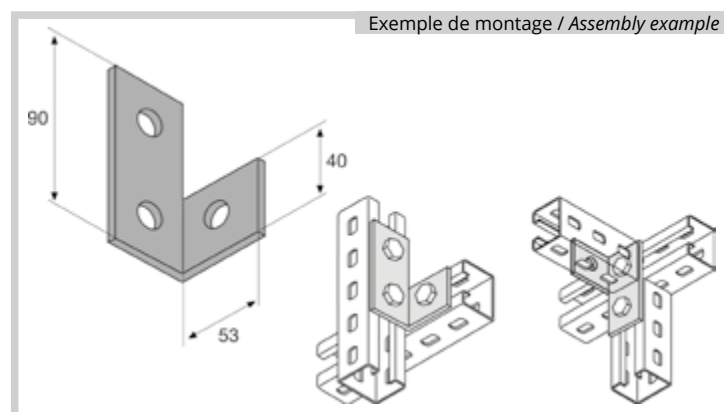


PLAQUE - PR 125

PLATE - PR 125



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610025	0,250	1



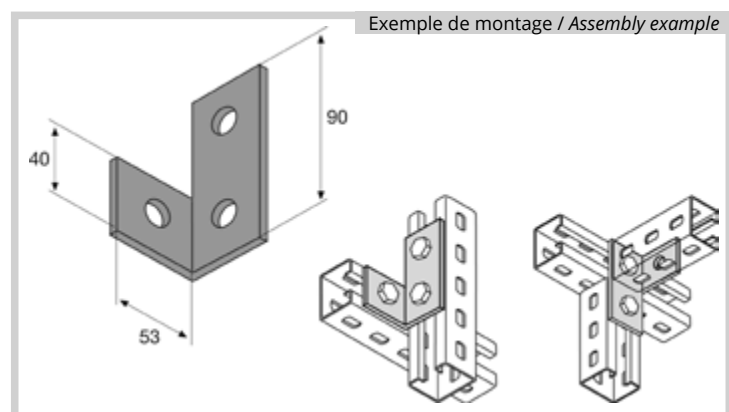
PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 126

PLATE - PR 126

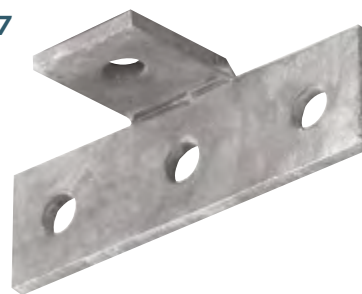


Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610026	0,250	1

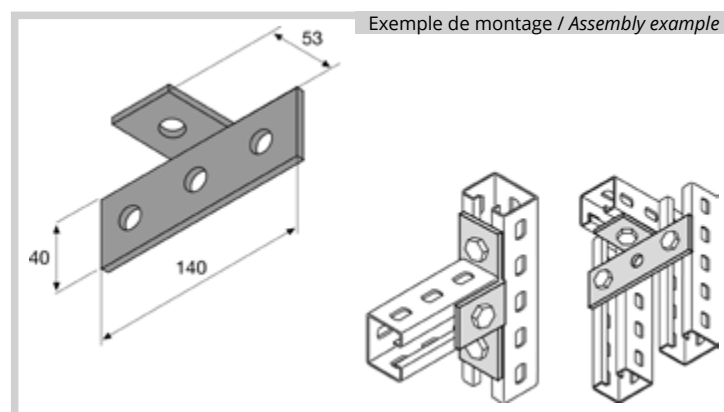


PLAQUE - PR 127

PLATE - PR 127

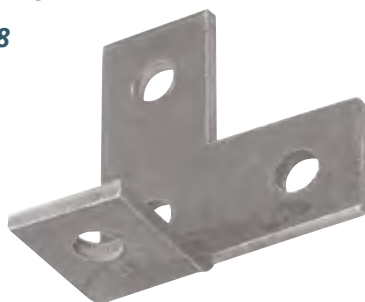


Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610027	0,350	1

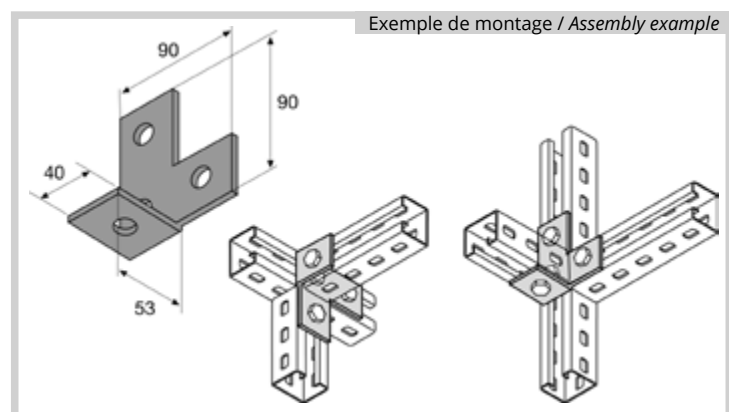


PLAQUE - PR 128

PLATE - PR 128

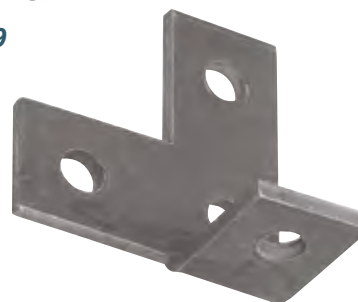


Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610028	0,350	1

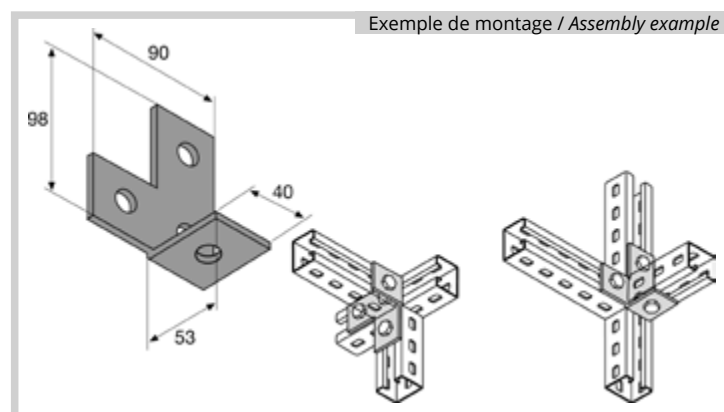


PLAQUE - PR 129

PLATE - PR 129



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610029	0,350	1



PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 115

PLATE - PR 115



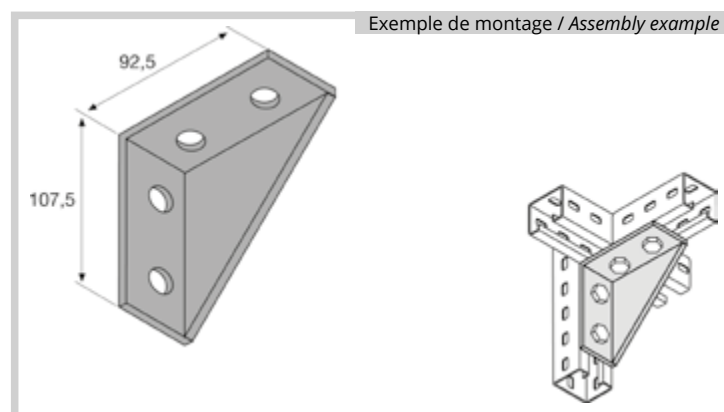
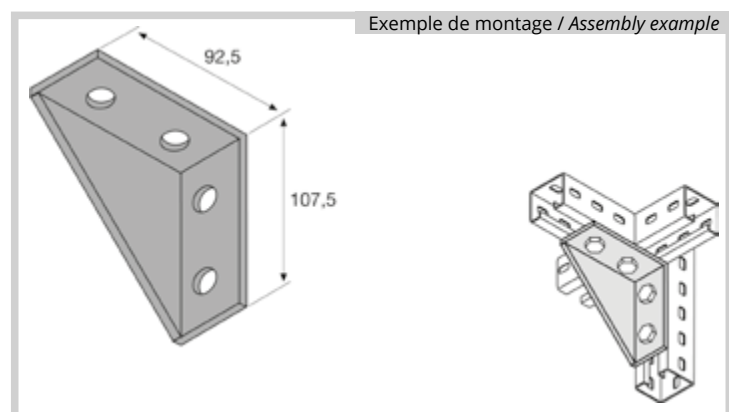
Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610015	0,420	1

PLAQUE - PR 116

PLATE - PR 116



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610016	0,420	1

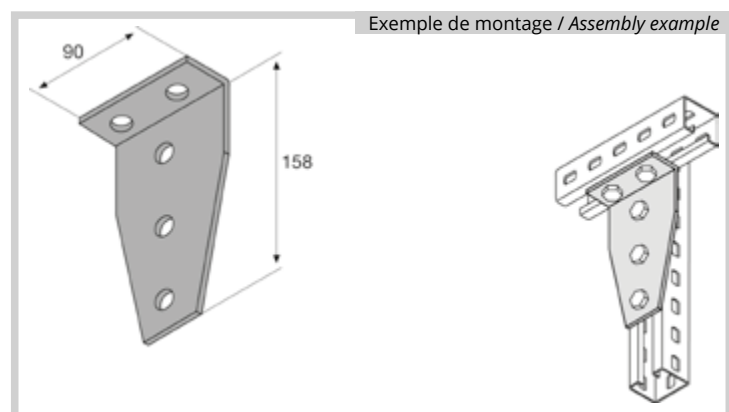


PLAQUE - PR 132

PLATE - PR 132



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610032	0,660	1

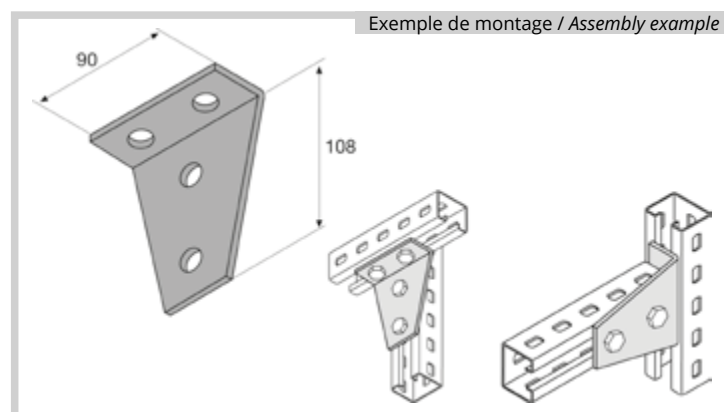


PLAQUE - PR 133

PLATE - PR 133



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610033	0,440	1



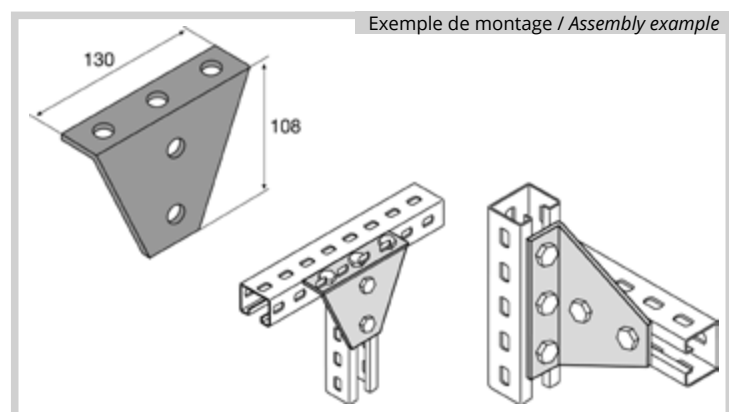
PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 134

PLATE - PR 134



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610034	0,750	1

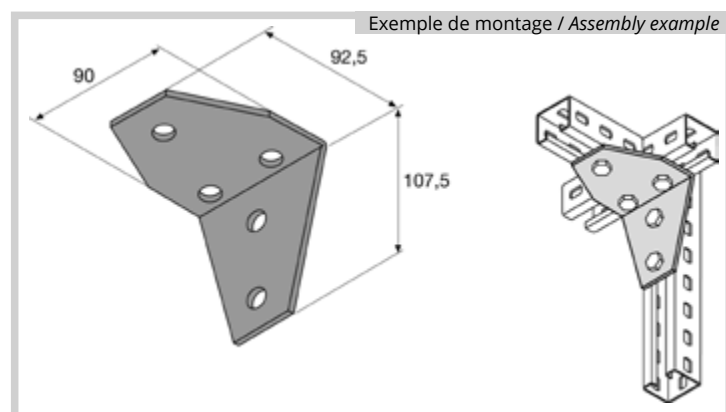


PLAQUE - PR 135

PLATE - PR 135



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610035	0,610	1

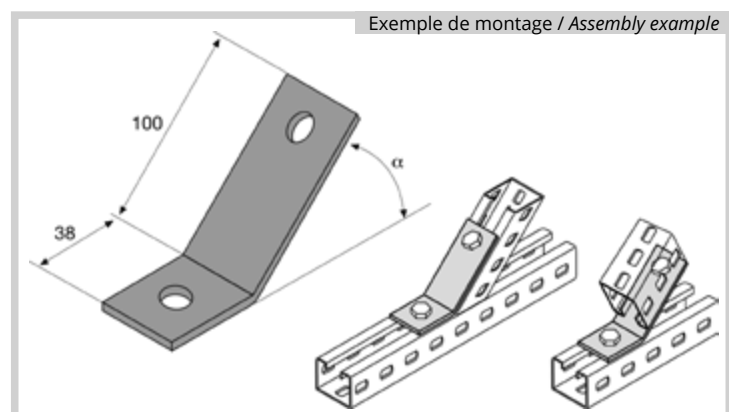


PLAQUE - PR 137

PLATE - PR 137



Code Code ZF	kg/pz kg/pcs	α a	Conf.pz Pack.pcs
2610037	0,250	45°	1
2610047	0,250	25°	1
2610048	0,250	30°	1
2610049	0,250	35°	1

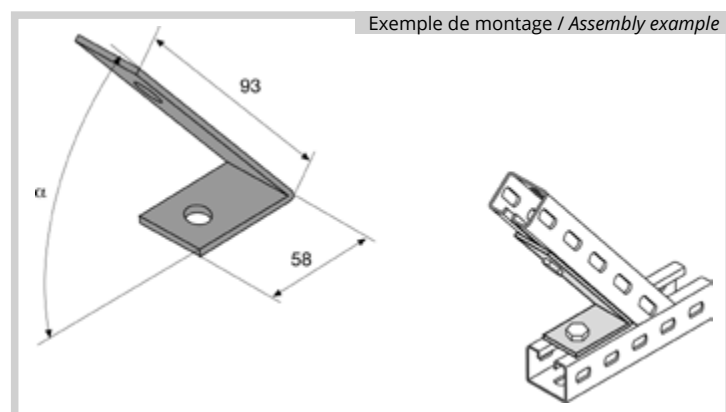


PLAQUE - PR 138

PLATE - PR 138



Code Code ZF	kg/pz kg/pcs	α a	Conf.pz Pack.pcs
2610038	0,290	45°	1
2610051	0,290	65°	1
2610052	0,290	60°	1
2610053	0,290	55°	1



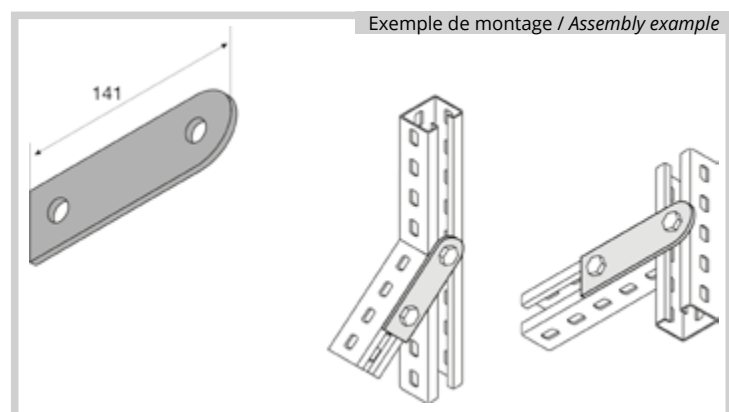
PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 136

PLATE - PR 136



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610036	0,300	1

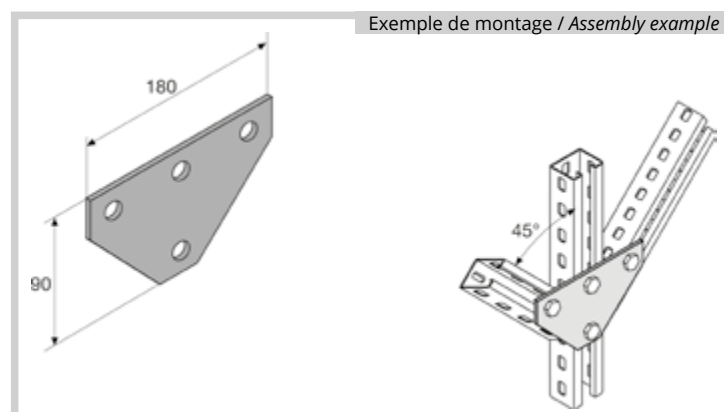


PLAQUE - PR 142

PLATE - PR 142



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610042	0,600	1

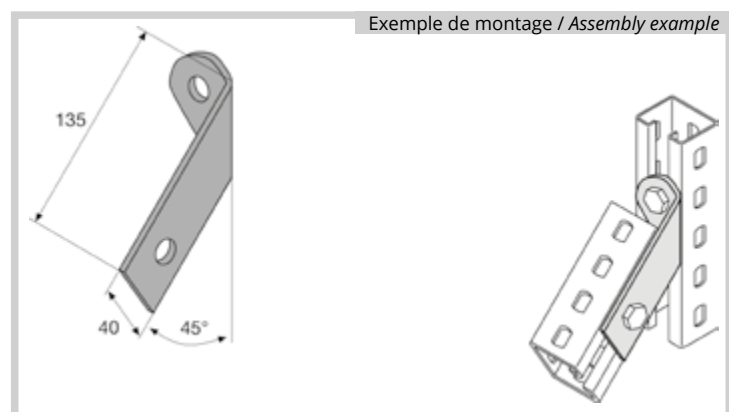


PLAQUE - PR 139

PLATE - PR 139



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610039	0,270	1

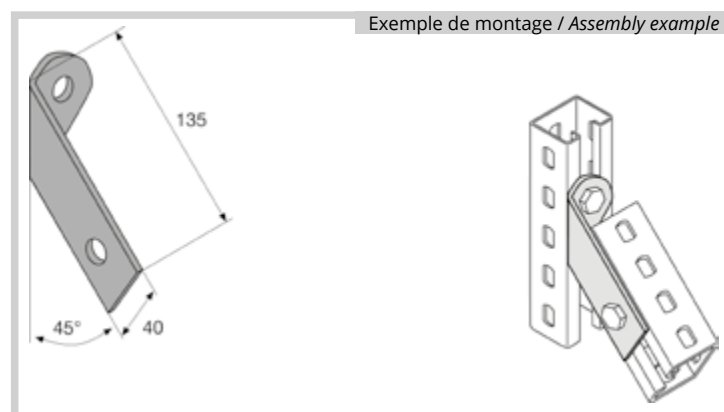


PLAQUE - PR 140

PLATE - PR 140



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610040	0,270	1



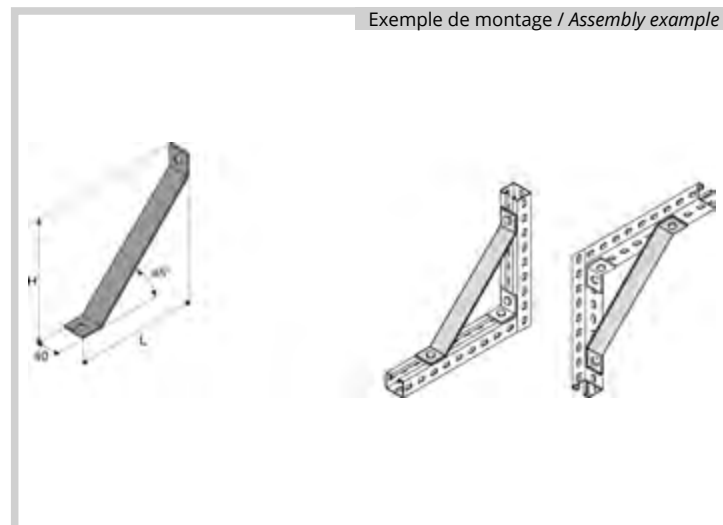
PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 143 - PR 144 - PR 145



	Code Code ZF	Hauteur Height	Long. Length	kg/pz kg/pcs	Conf.pz Pack.pcs
PR 143	2610043	200	200	0,600	1
PR 144	2610044	300	300	0,880	1
PR 145	2610045	500	500	1,470	1

PLATE - PR 143 - PR 144 - PR 145



PLAQUE - PR 117

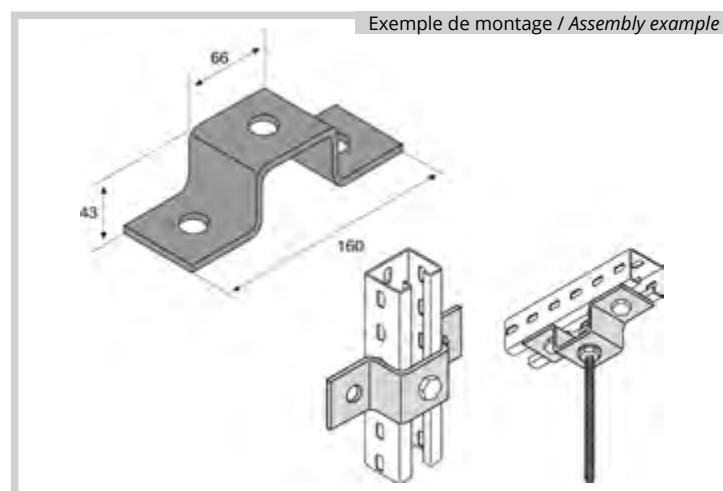
Pour profilé **PRP**.



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610017	0,560	1

PLATE - PR 117

For **PRP** profile.



PLAQUE - PR 118

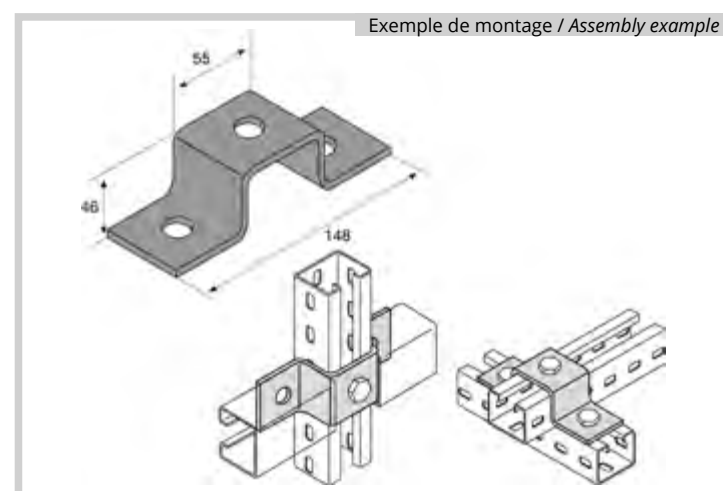
Pour profilé **PRM**.



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610018	0,450	1

PLATE - PR 118

For **PRM** profile.



PLAQUETTES DE JONCTION / CONNECTING PLATES

PLAQUE - PR 121

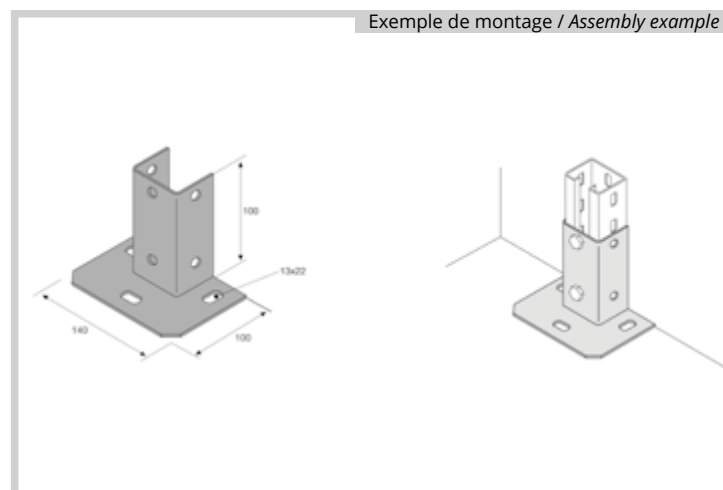
Pour profilé **PRP**.



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610021	0,810	1

PLATE - PR 121

For **PRP** profile.



PLAQUE - PR 122

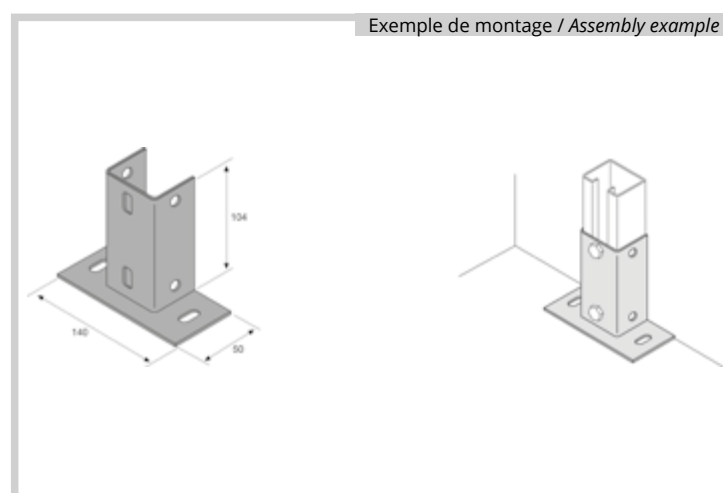
Pour profilé **PRM**.



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610022	0,600	1

PLATE - PR 122

For **PRM** profile.



PLAQUE - PR 150

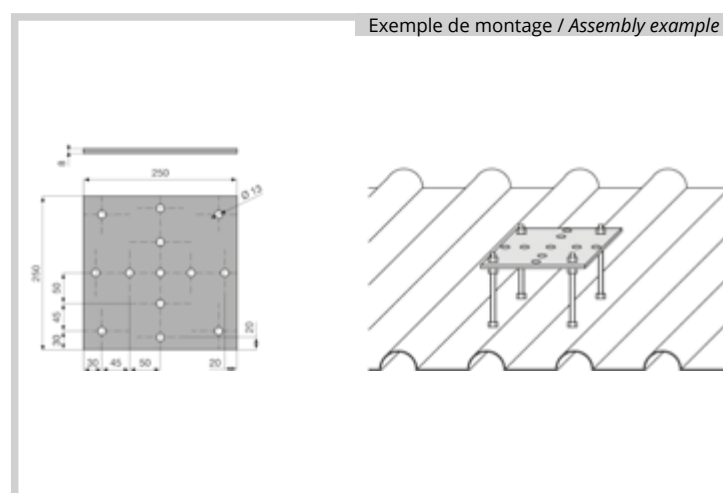
Épaisseur 8 mm.



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610050	4,000	1

PLATE - PR 150

Thickness 8 mm.



ACCESSOIRES / FITTINGS

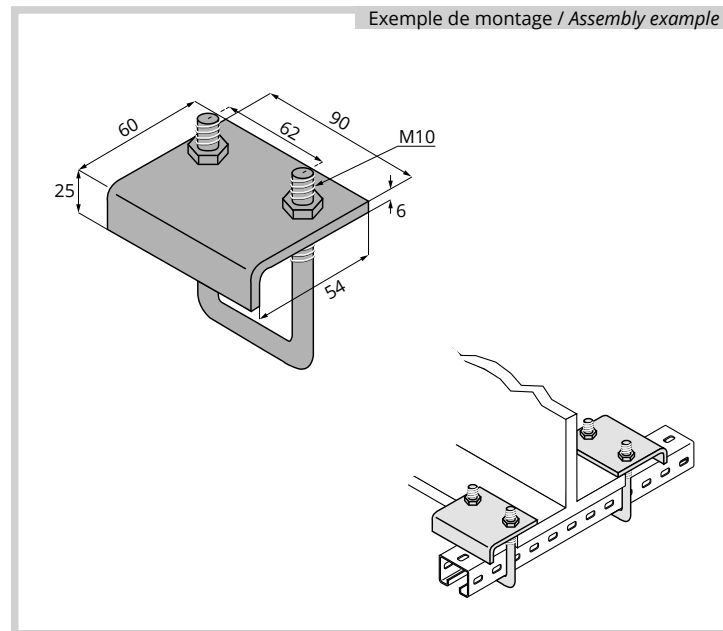
PLAQUE - PR 119

Plaque pour fixation sur poutres avec une épaisseur de 18 mm max.
Trous Ø 11,5 mm.
Fournie avec cavalier zingué électrolytiquement, rondelles, écrous M10.



PLATE - PR 119

Fitting for fixing on beams with max thickness 18 mm.
Holes Ø 11,5 mm.
Supplied complete of electrolytic galvanized "U" bolt, washers, M10 nuts.



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610019	0,450	1

PLAQUE - PR 120

Plaque pour fixation sur poutres avec une épaisseur de 18 mm max.
Trous 13,5 x 17 mm
Fournie complétée de vis M10 x 50 zinguée électrolytiquement, écrous, rondelles.

* Commander les plaquettes à part

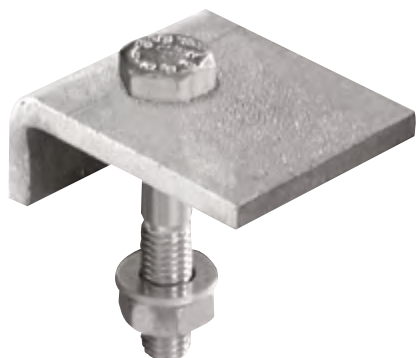
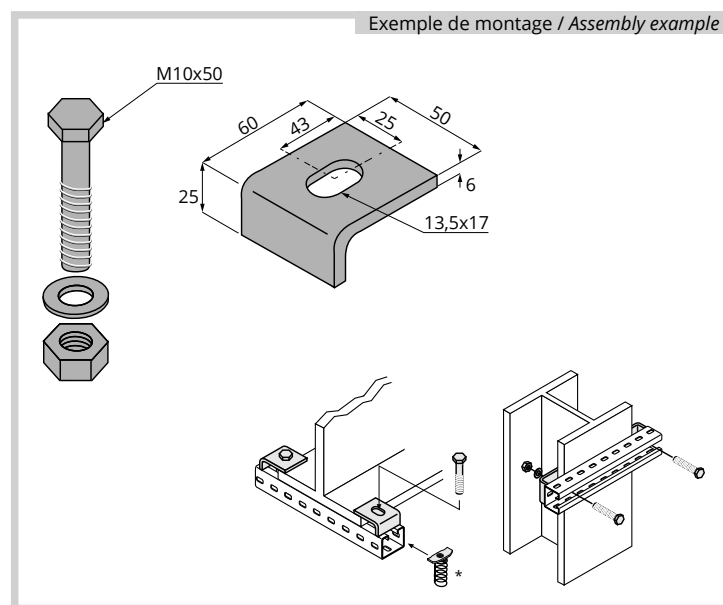


PLATE - PR 120

Fitting for fixing on beams with max thickness 18 mm.
Slots 13,5 x 17 mm.
Supplied complete of electrolytic galvanized screw M10 x 50, nut, washer.
* Spring nuts to be ordered separately.



Code Code ZF	kg/pz kg/pcs	Conf.pz Pack.pcs
2610020	0,240	1

ACCESSOIRES / FITTINGS

SUPPORT OSCILLANT - STO

En **acier tropicalisé jaune**.

A étau oscillant, pour fixation sur poutre avec épaisseur de 24 mm max. Avec vis à pointe endurcie, bride oscillante, écrou M10, rondelle, écrou spécial M10.

Adéquate pour tiges filetées AS - M10.

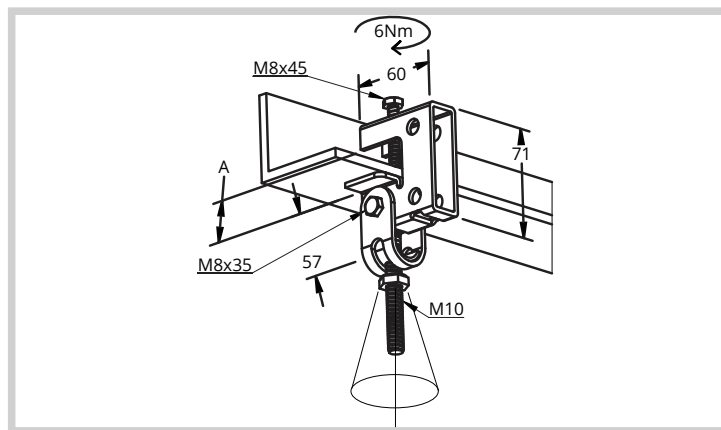


BEAM CLAMP - STO

In **yellow galvanized steel**.

Fitting with swinging clamp, to fix on beams with max. thickness of 24 mm. Complete of screw with hardened top, swinging rod, M10 nut, washer, special M10 nut.

Suitable to threaded rod **AS** - M10.



Code Code	kg/pz kg/pcs	Conf.pz Pack.pcs
2610501	0,320	1

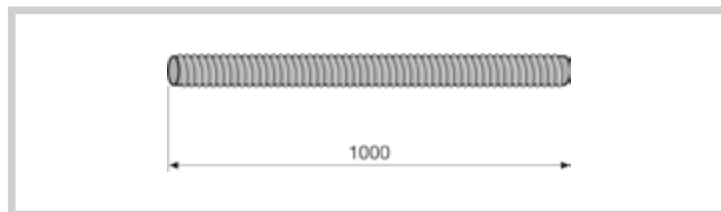
TIGE FILETÉE POUR SUSPENSION - AS

En **acier galvanisé électrolytiquement (ZE)**.



THREADED ROD - AS

In **galvanized steel (ZE)**.



Long. Length	Filetage Thread	Code Code ZE	kg/pz. kg/pcs	Conf.pz Pack.pcs
1000	M 6	2020301	0,170	20
	M 8	2020302	0,310	20
	M10	2020303	0,400	20
	M12	2020304	0,700	10

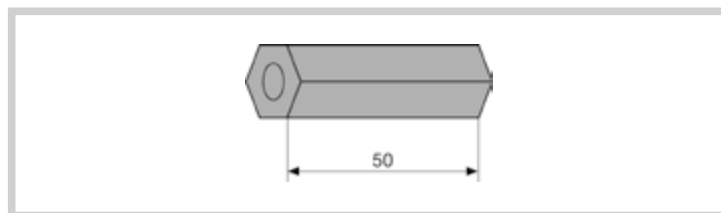
MANCHON DE PROLONGEMENT - MA

En **acier galvanisé électrolytiquement (ZE)**.



ROD COUPLING - MA

In **galvanized steel (ZE)**.



Filetage Thread	Code Code ZE	kg/pz. kg/pcs	Conf.pz Pack.pcs
M 6	2020351	0,025	100
M 8	2020352	0,030	50
M10	2020353	0,040	25
M12	2020354	0,060	25

BOULONNERIE / SCREWS

VIS - ÉCROU - RONDELLES - VDR

BZE: En acier galvanisé électrolytiquement.

BZF: En acier zingué à chaud (CEI 7.6 - UNI 3740).

IX: En acier Inox - AISI 304.

DACROMET: En acier zingué à chaud revêtu de Zn et Al.

Pour relier entre eux les consoles, les profilés, les supports, les staffs.



A norme CEI EN 50085-1, 50085-2-1 / CEI EN Standard 50085-1, 50085-2-1
Conforme CEI EN 61537 / In according to CEI EN 61537

VIS ET ÉCROU ZINGUÉ À CHAUD

En **acier galvanisé à chaud** par immersion après usinage (DIN 267/10).
Avec cadre sous-tête.

Complétée d'écrou avec moletage anti-desserrage.

SCREW AND NUT HOT-DIP GALVANIZED

In **hot-dip galvanized steel after machining** (DIN 267/10). With short square section.

Complete of nuts with antiloosening knurling.



Filetage Thread	Code Code BZF	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6 x 15	2720551	0,520	100

VIS

Tête hexagonale.

SCREW

Hex head cap.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8 x 20	2710251	1,200	100
M 8 x 30	2710252	1,500	100
M10 x 20	2710301	2,300	100
M10 x 30	2710302	2,750	100
M10 x 50	2710303	2,950	100

Filetage Thread	Code Code BZF	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8 x 20	2720101	1,200	100
M 8 x 30	2720102	1,500	100
M10 x 20	2720151	2,300	100
M10 x 30	2720152	2,750	100

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8 x 20	2730251	1,200	100

VIS

Tête cylindrique avec rainure hexagonale.

SCREW

Hex head cap.



Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8 x 20	2730351		
M 8 x 30	2730353		

SCREWS - NUTS - WASHERS - VDR

BZE: In **electroplated zinc steel**.

BZF: In **hot-dip galvanized steel** (UNI 3740).

IX: In **stainless steel** - AISI 304.

DACROMET: In **hot-dip coated steel with Zn and Al**.

To join brackets, "U" sections, ceiling supports.



VIS

Avec cadre sous-tête.

Vis M8 - M10 spécialement indiquées pour unir les profilés **PSL - PSM - PRL - PRM** aux supports **SML - SSM**.

SCREW

With short square section.

Screws M8 - M10 specially suitable for joining **PSL - PSM - PRL - PRM** "U" sections to **SML - SSM** supports.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6 x 10	2710001	1,040	200
M 8 x 20	2710151	1,300	100
M 8 x 30	2710152	1,720	100
M10 x 20	2710201	2,320	100
M10 x 30	2710202	2,800	100

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6 x 10	2730001	1,040	200

VIS

Pour relier entre eux les profilés **PSL - PSM**, consoles **ML - BM**, supports **SML - SSM - SCP**, joint de prolongement, entretoisements **DPL**.

SCREW

With short square section.

To join the **PSL - PSM** "U" sections, **ML - BM** brackets, **SML - SSM - SCP** ceiling supports, joint and spacer **DPL** for "U" sections.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8 x 50	2710254	0,520	25
M 8 x 60	2710253	1,250	50

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8 x 60	2730153	1,360	50

VIS, ÉCROU, RONDELLES

Tête à ancre. Complétée d'écrou et de rondelle.

Pour fixations sur profilés **PRL - PRM - PRP**.

SCREW, NUT AND WASHER

Anchor head screws. Completa of nut and washer.

To fixing on **PRL - PRM - PRP** "U" sections.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M10 x 30	2710351	2,800	50

Filetage Thread	Code Code DACROMET	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M10 x 30	2720351	2,800	50

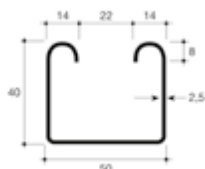
BOULONNERIE / SCREWS

PLATINE À ANCRE - PAP

En **acier galvanisé électrolytiquement**, avec ressort de contraste « à perdre ».
Indiqué seulement pour le profilé **PRP**.
Le filetage de l'écrou s'adapte aussi aux vis zinguées à chaud **BZF**, pourvu qu'elles soient fournies par nous mêmes.

SPRING NUT - PAP

In **galvanized steel** with spring.
Suitable for **PRP** "U" section only.
Nut thread is also suitable for **BZF** hot-dipped screws, if provided by us.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2710601	1,500	50
M10	2710602	1,600	50

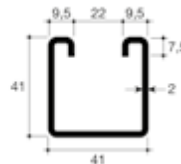
Filetage Thread	Code Code DACROMET	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2710611	1,500	50
M10	2710612	1,600	50

PLATINE À ANCRE LONG RESSORT - PMP

En **acier galvanisé électrolytiquement**. (BZE).
En **acier zingué à chaud** (BZF).
En **acier Inox A2** (IX)
Adapté pour le profil **PRL**

PLATE SPRING STILL TO LONG - PMP

In **electroplated zinc steel** (BZE).
In **hot-dip galvanized steel** (BZF).
In **Stainless Steel A2** (IX)
Suitable for the **PRM** "U" sections.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2710661		50
M10	2710662		50

Filetage Thread	Code Code BZF	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2710665		50
M10	2710666		50

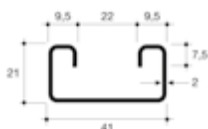
Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2730665		50
M10	2730666		50

PLATINE À ANCRE RESSORT COURT- PMP

En **acier galvanisé électrolytiquement**. (BZE).
En **acier zingué à chaud** (BZF).
En **acier Inox A2** (IX)
Adapté pour le profil **PRL**.

PLATE SPRING STILL TO SHORT - PMP

In **electroplated zinc steel** (BZE).
In **hot-dip galvanized steel** (BZF).
In **Stainless Steel A2** (IX)
Suitable for the **PRL** "U" sections.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2710663		50
M10	2710664		50

Filetage Thread	Code Code BZF	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2710667		50
M10	2710668		50

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2730667		50
M10	2730668		50

PLATINE À ANCRE- PMP

En **acier zingué à chaud** (BZF).
En **acier Inox A2** (IX)

PLATE ANCHOR - PMP

In **hot-dip galvanized steel** (BZF).
In **Stainless Steel A2** (IX)



Filetage Thread	Code Code BZF	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2720660		

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2730660		

BOULONNERIE / SCREWS

ÉCROU

Hexagonaux.

NUT

Hex nuts.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6	2710552	0,450	200
M 8	2710553	0,510	100
M10	2710554	1,140	100

Filetage Thread	Code Code BZF	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2720301	0,510	100
M10	2720302	1,140	100

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6	2730552	0,450	200
M 8	2730553	0,510	100
M10	2730554	1,140	100

ÉCROU

Avec moletage anti-desserrage.

NUT

With antiloosening knurling.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6	2710501	0,800	200
M 8	2710502	0,730	100
M10	2710503	1,190	100

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6	2730055	0,600	200
M 8	2730054	0,935	200

RONDELLES

Plates (* en acier Inox).

WASHERS

Flats (* in stainless steel).



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6	2710801	0,200	200
M 8	2710802	0,180	100
M10	2710803	0,410	100

Filetage Thread	Code Code BZF	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M10	2720402	0,410	100

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2720401	0,180	100

RONDELLES

Grower.

WASHERS

Locks.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6	2710851	0,090	100
M 8	2710852	0,150	100
M10	2710853	0,240	100

Filetage Thread	Code Code BZF	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2720451	0,150	100
M10	2720452	0,240	100

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2730451	0,150	100
M10	2730452	0,240	100

RONDELLES

Dentelées.

WASHERS

External teeth.



Filetage Thread	Code Code BZE	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 6	2710901	0,030	100
M 8	2710902	0,060	100
M10	2710903	0,100	100

Filetage Thread	Code Code IX	kg/Conf. kg/pack.	Conf.pz Pack.pcs
M 8	2730501	0,060	100