

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **1 of 43**



GP-Z



GP-G



GP-A2



GP-PL



GP-PVC



GP-X



SP-Z



SP-X



SP-V



SP-H



SP-HX



TO-GU



TU-GU



TU-MU



SO-TP



EG-Z



EG-A2



PG-Z



PG-A2

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Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **2 of 43**

CHARACTERISTICS

- Great flexibility in assembly: suspended, directly fixed to walls, fixed to other perforated channels, etc.
- Compatible with the clamp range from the catalogue, both for piping and electrical needs.
- In a variety of finishes:
 - Galvanized: for supporting electrical installations or simple indoor/outdoor fluid installations with moderate corrosion.
 - Stainless steel: For outdoor use or in humid or pollutant (chlorine-free) industrial environments.
 - Yellow platified: High isolation and great resistance to corrosive environments. Used for identification of gas installations.
 - PVC: for light loads. Easy installation (may be cut without tools) and good resistance to chemical agents in general.
 - Indextrut: galvanized profiles for heavy duty fluid piping.

APPLICATIONS

- Channels and cantilevers for electrical and telecommunication installations and piping.
- Accessories which complement basic equipment.

APPLICATION EXAMPLES



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Reference: **FT SOP-en**Date: **15/07/2019**Revision: **14**Page: **3 of 43**

MATERIALS

REFERENCE	DESCRIPTION	MATERIAL	COATING
GPZ201010	Channel 20 x 10 x 1.00	Steel	Pre-Galvanized $\geq 19\mu\text{m}$
GPZ250808	Channel 25 x 8 x 0.80	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPG271812	Channel 27 x 18 x 1.25	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPG283018	Channel 28 x 30 x 1.80	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPG384020	Channel 38 x 40 x 2.00	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPG402015	Channel 40 x 20 x 1.50	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPP271812	Channel 27 x 18 x 1.25	Steel	Yellow plastic paint
GPI271812	Channel 27 x 18 x 1.25	AISI 304 (A2)	----
GPI283015	Channel 28 x 30 x 1.50	AISI 304 (A2)	----
GPI384020	Channel 38 x 40 x 2.00	AISI 304 (A2)	----
GPX412115	Channel 41 x 21 x 1.50	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPX412120	Channel 41 x 21 x 2.00	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPX412125	Channel 41 x 21 x 2.50	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPX414115	Channel 41 x 41 x 1.50	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPX414120	Channel 41 x 41 x 2.00	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPX414125	Channel 41 x 41 x 2.50	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPX2M412120	Channel 41 x 21 x 2.00	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPX2M414120	Channel 41 x 41 x 2.00	Steel	Pre- Galvanized $\geq 19\mu\text{m}$
GPV251120	Channel 25 x 11 x 2.00	PVC	----
SPZ2718	Cantilever 27 x 18 x 1.20	Steel	Zinc-plated $\geq 5\mu\text{m}$
SPZ3840	Cantilever 38 x 40 x 2.00	Steel	Zinc-plated $\geq 5\mu\text{m}$
SPX4121	Cantilever 41 x 21 x 2.50	Steel	Zinc-plated $\geq 5\mu\text{m}$
SPX4141	Cantilever 41 x 21 x 2.50	Steel	Zinc-plated $\geq 5\mu\text{m}$
SPH	Support	Steel	Zinc-plated $\geq 5\mu\text{m}$
SPV	Support	Steel	Zinc-plated $\geq 5\mu\text{m}$
SPGH	Horizontal support	Steel	Zinc-plated $\geq 5\mu\text{m}$
EMZ	Bracket	Steel	Zinc-plated $\geq 5\mu\text{m}$
EMI	Bracket	AISI 304 (A2)	----
PGZ	U-fitting	Steel	Zinc-plated $\geq 5\mu\text{m}$
PGI	U-fitting	AISI 304 (A2)	----
TUG	Nut	Steel	Zinc-plated $\geq 5\mu\text{m}$
TO-GU	Channel nuts	Steel	Zinc-plated $\geq 5\mu\text{m}$
SO-TP	Cap	Plastic	----

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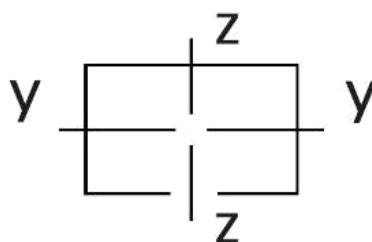
Date: **15/07/2019**

Revision: **14**

Page: **4 of 43**

GEOMETRIC CHARACTERISTICS

CHANNELS	Section [mm x mm]	Weight [Kg/m]	Area [cm ²]	Moment of inertia I_y [cm ⁴]	Moment of inertia I_z [cm ⁴]	Resistant module W_y [cm ³]	Resistant module W_z [cm ³]
GPZ201010	20 x 10	0.31	0.44	0.06	0.25	0.10	0.25
GPZ250808	25 x 8	0.26	0.35	0.03	0.30	0.06	0.24
GPG271812	27 x 18	0.66	0.84	0.37	0.97	0.34	0.71
GPG283018	28 x 30	1.25	1.60	1.79	2.10	1.03	1.50
GPG384020	38 x 40	2.00	2.55	5.39	6.18	2.39	3.25
GPG402015	40 x 20	0.94	1.30	0.71	3.10	0.57	1.55
GPP271812	27 x 18	0.66	0.84	0.37	0.97	0.34	0.71
GPI271812	27 x 18	0.66	0.79	0.36	0.90	0.33	0.67
GPI283015	28 x 30	1.25	1.37	1.54	1.82	0.89	1.30
GPI384020	37 x 40	2.00	2.55	5.39	6.18	2.39	3.25
GPX412115	41 x 21	1.21	1.41	0.89	3.58	0.70	1.75
GPX412120	41 x 21	1.55	1.99	0.95	4.44	0.75	2.17
GPX412125	41 x 21	1.71	2.28	1.32	5.54	1.03	2.70
GPX414115	41 x 41	1.65	2.42	4.88	5.99	2.05	2.92
GPX414120	41 x 41	2.09	2.65	5.84	7.62	2.46	3.72
GPX414125	41 x 41	2.53	3.28	7.08	9.25	2.98	4.51
GPX2M412120	41 x 21	1.55	1.99	0.95	4.44	0.75	2.17
GPX2M414120	41 x 41	2.09	2.65	5.84	7.62	2.46	3.72



SUPPORTS	Section	Area	Moment of inertia I_y	Moment of inertia I_z	Resistant module W_y	Resistant module W_z
Code/Units	[mm x mm]	[cm ²]	[cm ⁴]	[cm ⁴]	[cm ³]	[cm ³]
SPZ2718	27 x 18	0.84	0.37	0.97	0.34	0.71
SPZ3840	38 x 40	2.55	5.39	6.18	2.39	3.25
SPX4121	41 x 21	2.28	1.32	5.54	1.03	2.70
SPX4141	41 x 41	3.28	7.08	9.25	2.98	4.51

TECHNICAL DATA SHEET



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Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **5 of 43**

				Coating					Cantilevers					Channel brackets					Channel U-fittings					Channel sud nut					Nuts						Plastic caps											
				Zinc-plated	Galvanized	A-2 Stainless	Yellow Plast.	PVC	SPV2718	SPV3840	SPH2718	SPH3840	SPGH2718	SPGH3840	EMZ45	EMZ90	EMZ00	EMI45	EMI90	EMI00	PGZ2718	PGZ2830	PGZ3840	PGI2718	PGI2830	PGI3840	TGZ30620	TGZ30820	TGZ30830	TGZ340830	TGZ341030	TUG201006	TUG201008	TUG271808	TUG271810	TUGX08	TUGX10	TUGXMU08	TUGXMU10	SOTP2718	SOTP2830	SOTP3840	SOTP4121	SOTP4141		
Code	Size [mm]	Length [mm]							Vertical M10	Vertical M10	Horizontal M10	Horizontal M10	Horizontal	Horizontal	45°	90°	Flat	45° stainless	90° stainless	Flat stainless						M6 x 20	M8 X 20	M8 X 30	M8 X 30	M10 X 30	M6	M8	M8	M10	M8	M10	SPRING M8	SPRING M10								
Slotted strut channels	GPZ201010	20 x 10 x 1,00	2.000	✓																					✓					✓	✓															
	GPZ250808	25 x 8 x 0,80	1.000	✓																					✓					✓	✓															
	GPG271812	27 x 18 x 1,25	2.000		✓				✓		✓		✓		✓		✓				✓				✓	✓	✓			✓	✓	✓							✓							
	GPG283018	28 x 30 x 1,80	2.000		✓				✓		✓		✓		✓		✓					✓				✓	✓	✓			✓	✓								✓						
	GPG384020	38 x 40 x 2,00	2.000		✓					✓			✓		✓		✓													✓	✓			✓	✓								✓			
	GPG402015	40 x 20 x 1,50	2.000		✓					✓			✓		✓		✓														✓	✓			✓	✓								✓		
	GPI271812	27 x 18 x 1,25	2.000			✓										✓		✓	✓	✓					✓	✓	✓			✓	✓	✓	✓						✓							
	GPI283015	28 x 30 x 1,50	2.000			✓													✓	✓	✓					✓	✓	✓			✓	✓	✓	✓						✓						
	GPI384020	38 x 40 x 2,00	2.000			✓												✓	✓	✓											✓	✓			✓	✓						✓				
	GPP271812	27x 18 x 1,25	1.000				✓		✓		✓				✓		✓				✓					✓	✓	✓			✓	✓							✓							
	GPV251120	25 x 11 x 2,00	1.000					✓							✓		✓								✓	✓	✓				✓	✓														
	GPX412115	41 x 21 x 1,50	3.000		✓								✓		✓		✓																			✓	✓					✓				
	GPX412120	41 x 21 x 2,00	3.000		✓								✓		✓		✓																		✓	✓						✓				
	GPX412125	41 x 21 x 2,50	3.000		✓								✓		✓		✓																		✓	✓						✓				
	GPX414115	41 x 41 x 1,50	3.000		✓								✓		✓		✓																		✓	✓							✓			
	GPX414120	41 x 41 x 2,00	3.000		✓								✓		✓		✓																		✓	✓							✓			
	GPX414125	41 x 41 x 2,50	3.000		✓								✓		✓		✓																		✓	✓							✓			
	GPX2M412120	41 x 21 x 2,00	2.000		✓								✓		✓		✓																		✓	✓							✓			
	GPX2M414120	41 x 41 x 2,00	2.000		✓								✓		✓		✓																		✓	✓							✓			

Page: 6 of 43

				Coating					Cantilevers				Channel brackets				Channel U-fittings				Channel sud nut				Nuts						Plastic caps																
				Zinc-plated	Galvanized	A-2 Stainless	Yellow Plast.	PVC	SPV2718	SPV3840	SPH2718	SPH3840	SPGH2718	SPGH3840	EMZ45	EMZ90	EMZ00	EMI45	EMI90	EMI00	PGZ2718	PGZ2830	PGZ3840	PGI2718	PGI2830	PGI3840	TG230620	TG230820	TG230830	TG340830	TG341030	TUG201006	TUG201008	TUG271808	TUG271810	TUGX08	TUGX10	TUGXMU08	TUGXMU10	SOTP2718	SOTP2830	SOTP3840	SOTP4121	SOTP4141			
Cantilevers	Code	Size [mm]	Length [mm]					Vertical M10	Vertical M10	Horizontal M10	Horizontal M10	Horizontal	Horizontal	45°	90°	Flat	45° stainless	90° stainless	Flat stainless							M6 x 20	M8 X 20	M8 X 30	M8 X 30	M10 X 30	M6	M8	M8	M10	M8	M10	SPRING M8	SPRING M10									
	SPZ271820	27 x 18 x 1,20	200	✓																					✓	✓	✓			✓	✓	✓	✓						✓								
	SPZ271830	27 x 18 x 1,20	300	✓																					✓	✓	✓			✓	✓	✓	✓						✓								
	SPZ384020	38 x 40 x 2,00	200	✓																							✓					✓	✓														
	SPZ384025	38 x 40 x 2,00	250	✓																												✓	✓								✓						
	SPZ384030	38 x 40 x 2,00	300	✓																												✓	✓								✓						
	SPZ384035	38 x 40 x 2,00	350	✓																												✓	✓								✓						
	SPZ384040	38 x 40 x 2,00	400	✓																												✓	✓								✓						
	SPZ384050	38 x 40 x 2,00	500	✓																												✓	✓								✓						
	SPZ384060	38 x 40 x 2,00	600	✓																													✓	✓								✓					
	SPX412115	41 x 21 x 2,50	150	✓																																✓	✓							✓			
	SPX412130	41 x 21 x 2,50	300	✓																															✓	✓							✓				
	SPX412145	41 x 21 x 2,50	450	✓																															✓	✓							✓				
	SPX414115	41 x 41 x 2,50	150	✓																															✓	✓	✓	✓							✓		
	SPX414130	41 x 41 x 2,50	300	✓																															✓	✓	✓	✓							✓		
	SPX414145	41 x 41 x 2,50	450	✓																															✓	✓	✓	✓							✓		
SPX414160	41 x 41 x 2,50	600	✓																															✓	✓	✓	✓							✓			
SPX414175	41 x 41 x 2,50	750	✓																															✓	✓	✓	✓							✓			

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Reference: **FT SOP-en**

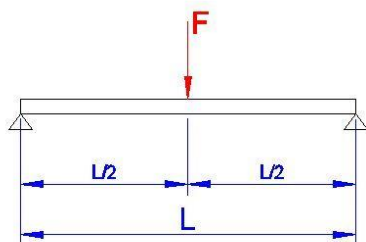
Date: **15/07/2019**

Revision: **14**

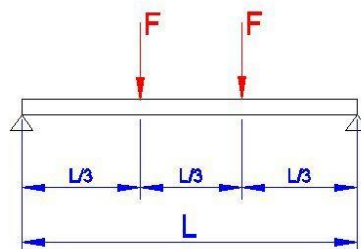
Page: **7 of 43**

CHANNEL AND CANTILEVER LOAD HYPOTHESIS

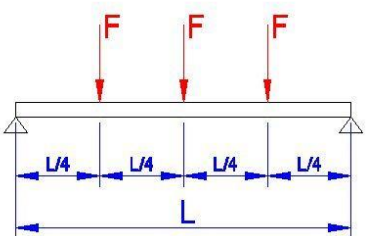
Case 1: One load point in the center



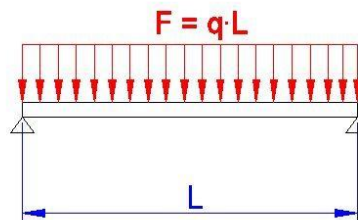
Case 2: Two load points on L/3



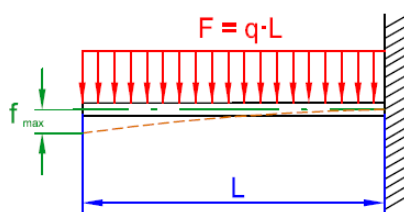
Case 3: Three load points on L/4



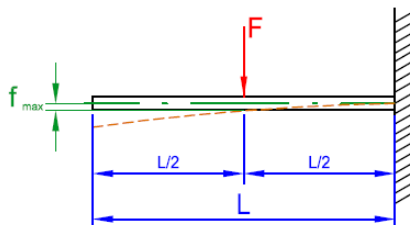
Case 4: Uniform load



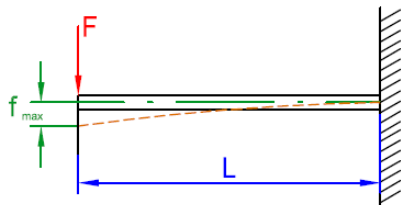
Case 1: Uniform load



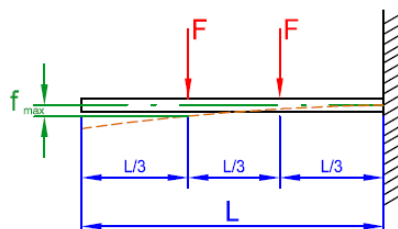
Case 2: One load point in the middle



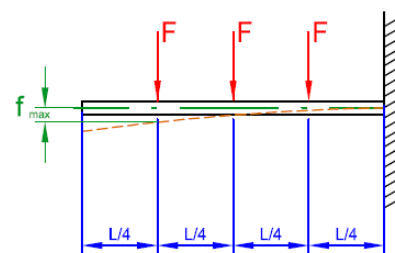
Case 3: One load point in the center



Case 4: Two load points on L/3



Case 5: Three load points on L/4



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Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **8 of 43**

1. GP-Z

Slotted strut channel



Properties



Steel

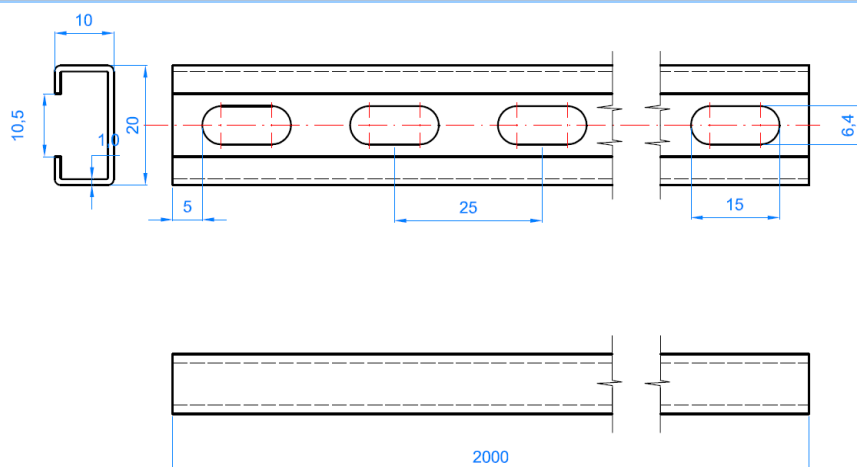


Pre-galvanized coating $\geq 19\mu\text{m}$

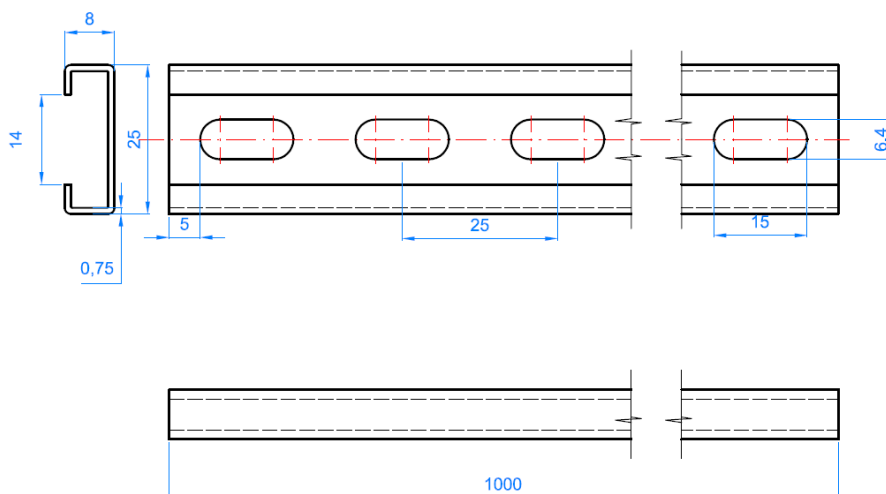
Details

Code	Size [mm]	Length [mm]
GPZ201010	20 x 10 x 1	2000
GPZ250808	25 x 8 x 0,80	1000

Sketch GPZ201010



Sketch GPZ250808



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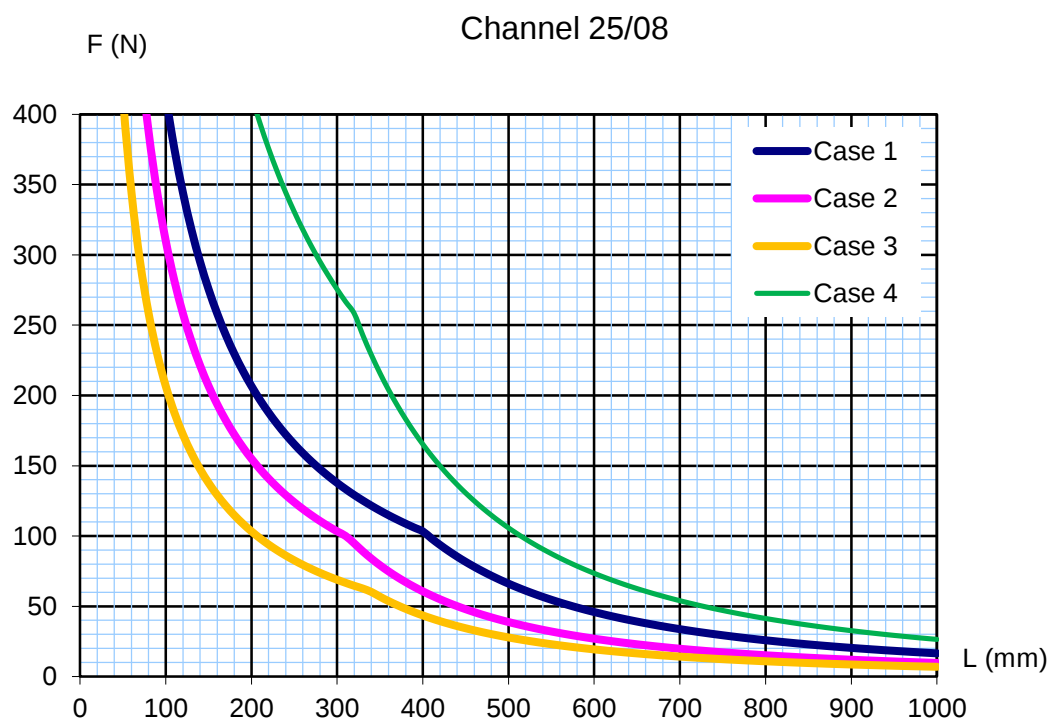
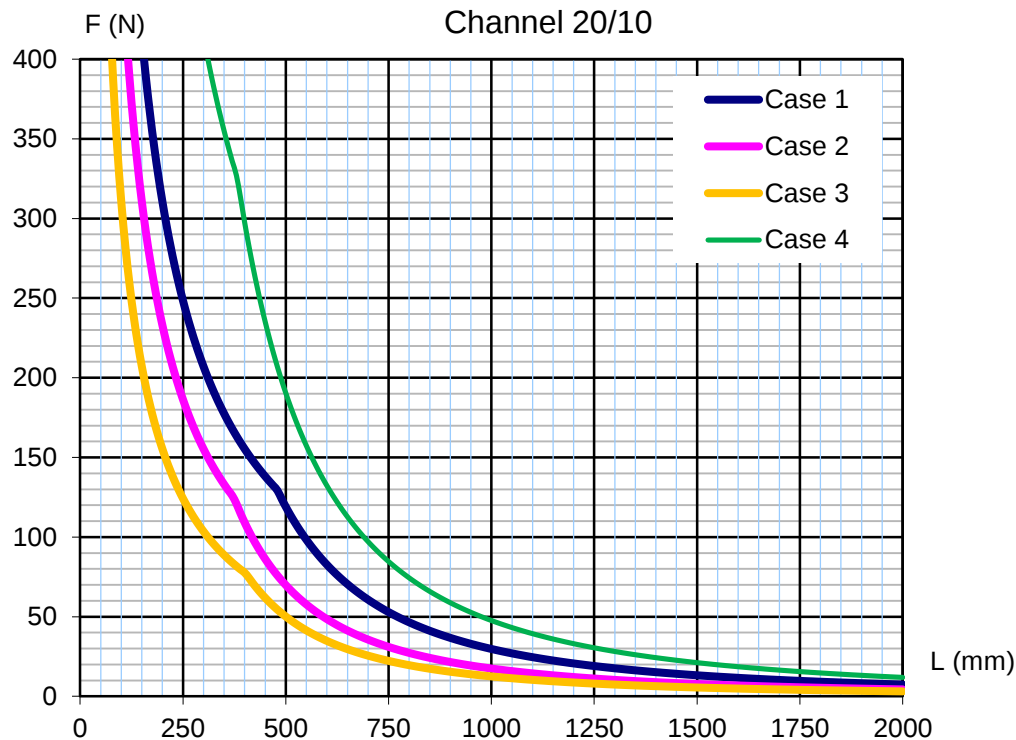
Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **9 of 43**

Recommended loads



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Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **10 of 43**

2. GP-G

Galvanized slotted strut channel



Properties



Steel

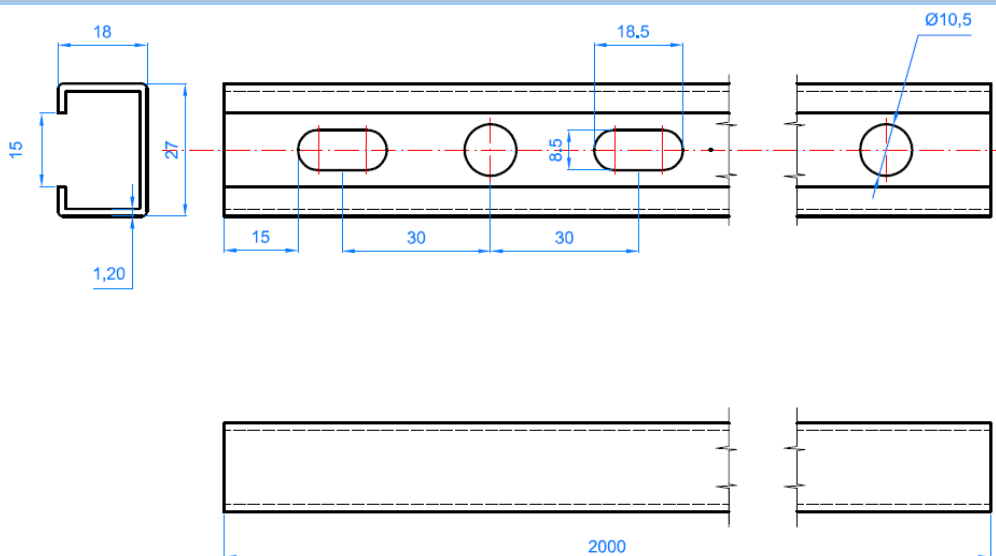


Pre-galvanized coating $\geq 19\mu\text{m}$

Details

Code	Size [mm]	Length [mm]
GPG271812	27 x 18 x 1.25	2000
GPG283018	28 x 30 x 1.8	2000
GPG384020	38 x 40 x 2.00	2000
GPG402015	40 x 20 x 1.50	2000

Sketch GPG271812



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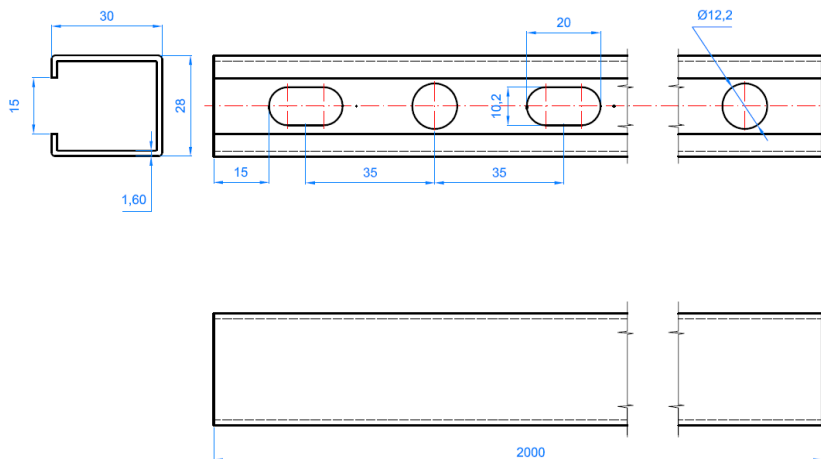
Reference: **FT SOP-en**

Date: **15/07/2019**

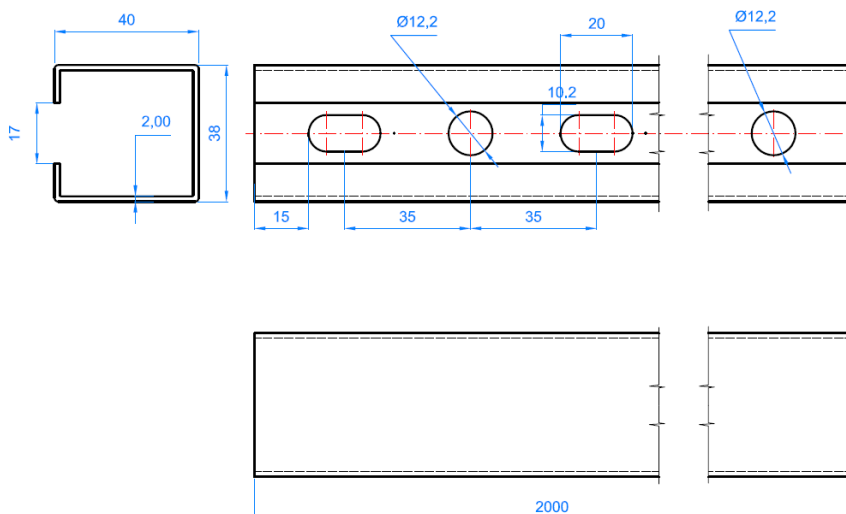
Revision: **14**

Page: **11 of 43**

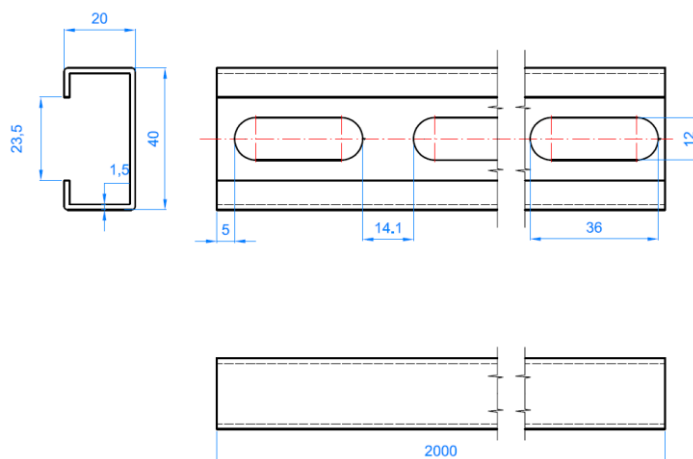
Sketch GPG283018



Sketch GPG384020



Sketch GPG402015



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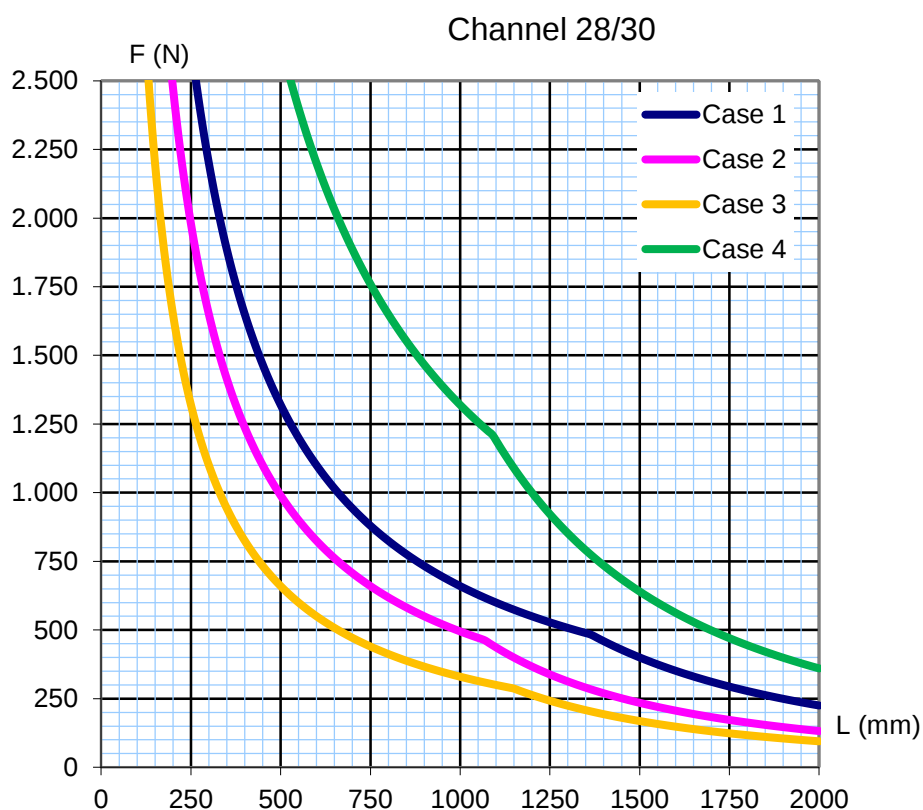
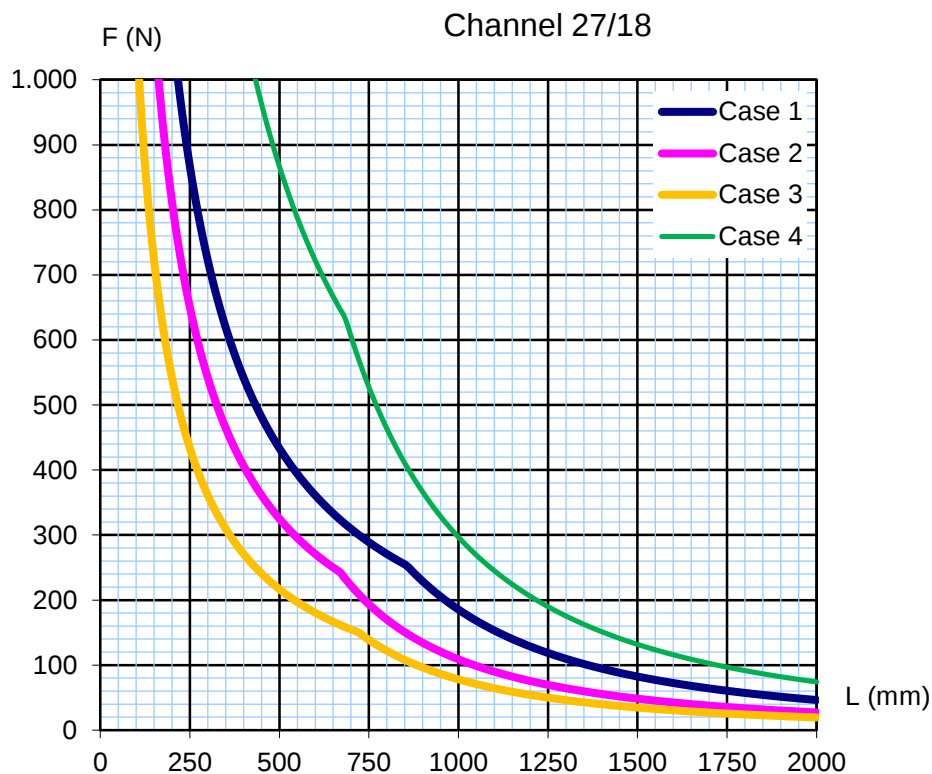
Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **12 of 43**

Recommended loads



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Denomination: **SUPPORTS**

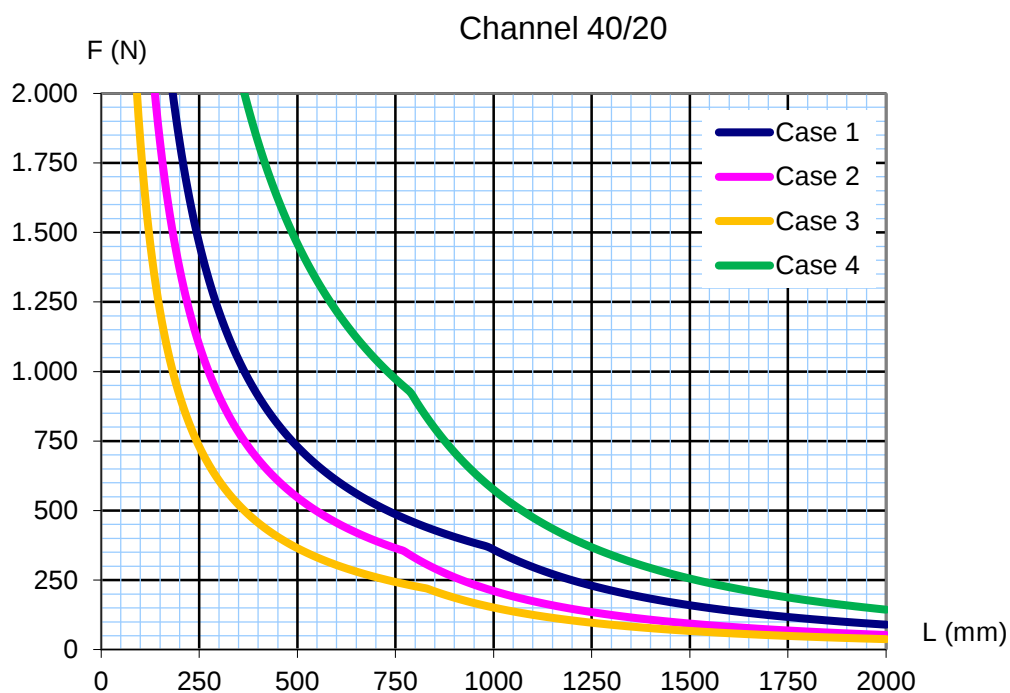
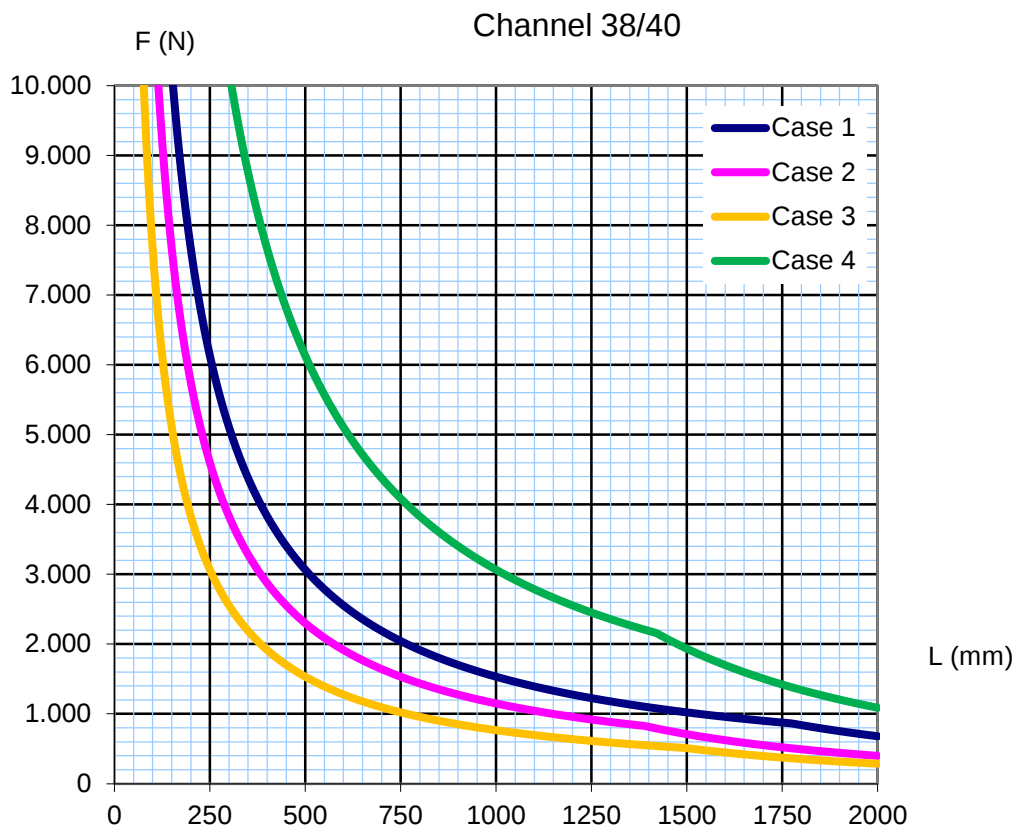
Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **13 of 43**



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **14 of 43**

3. GP-A2

A2 Stainless steel slotted channel



Properties

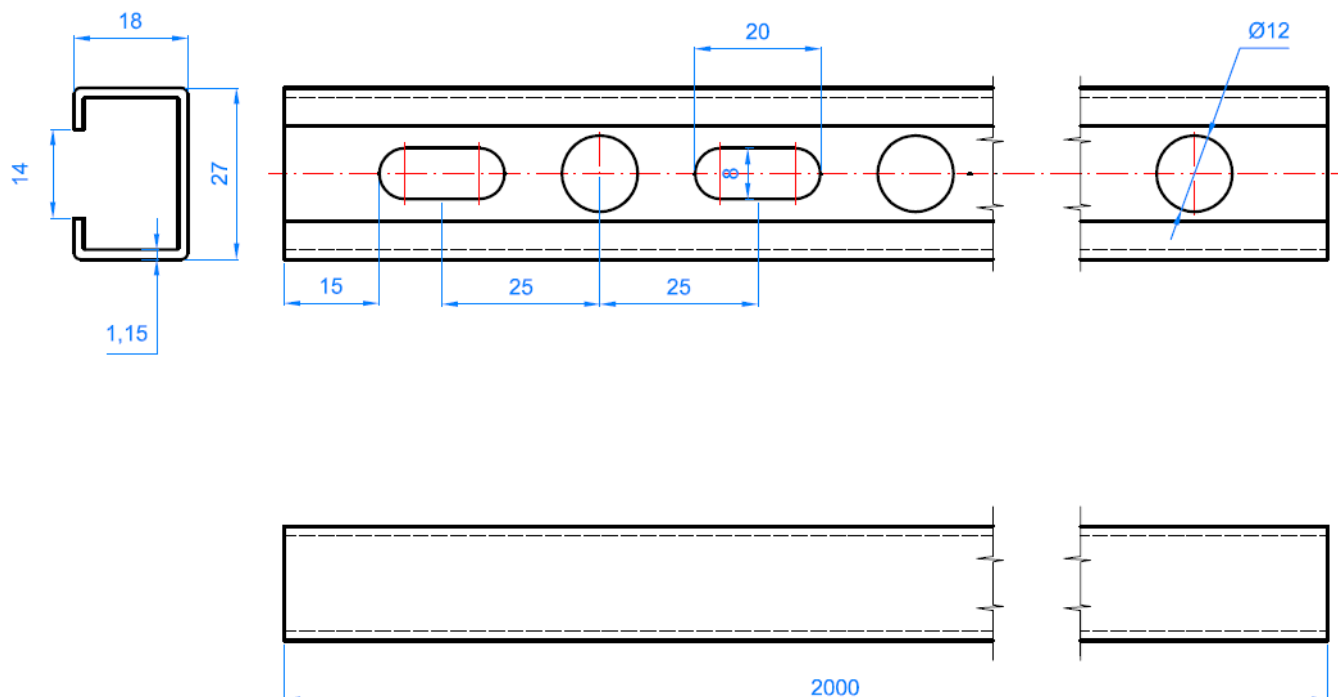


Stainless steel AISI 304 (A2)

Details

Code	Size [mm]	Length [mm]
GPI271812	27 x 18 x 1.25	2000
GPI283015	28 x 30 x 1.50	2000
GPI384020	38 x 40 x 2.00	2000

Sketch GPI271812



Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Page: 15 of 43

Technical drawing of a mechanical part, showing three views: front view (top left), top view (top right), and side view (bottom right). The part is a rectangular block with a central circular hole and two side holes.

Dimensions:

- Overall width: 30
- Overall height: 28
- Overall length: 2000
- Central hole diameter: $\varnothing 12,2$
- Side hole diameter: 8
- Side hole length: 20
- Distance from left edge to first side hole: 15
- Distance between side holes: 30
- Distance from right edge to second side hole: 30
- Distance from top edge to side hole center: 1,50

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

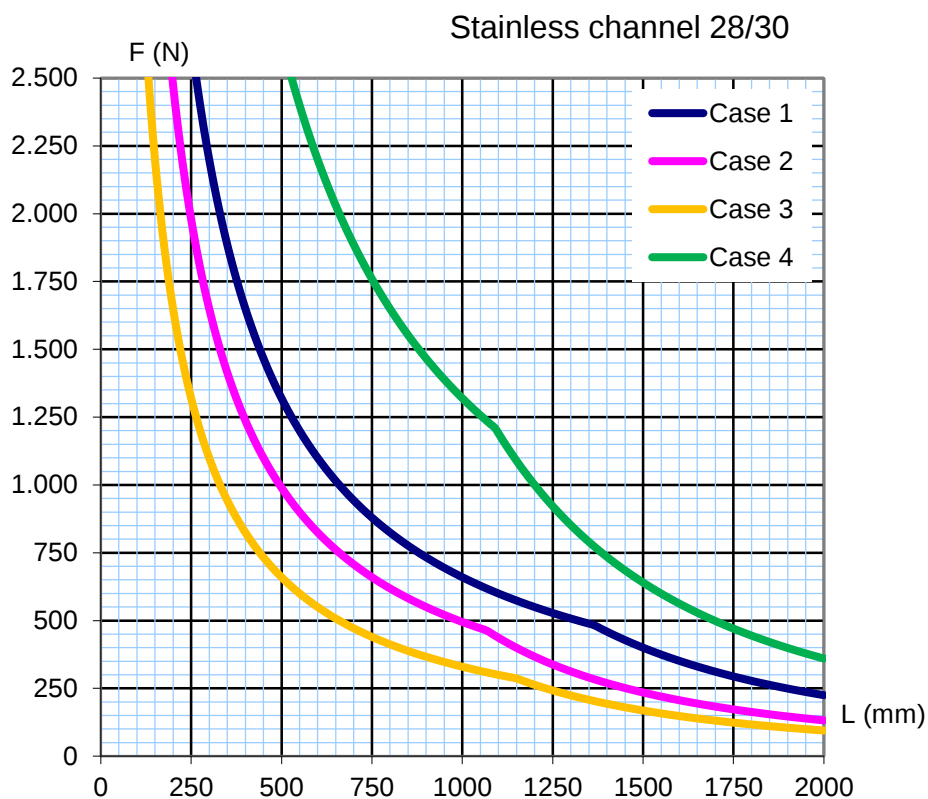
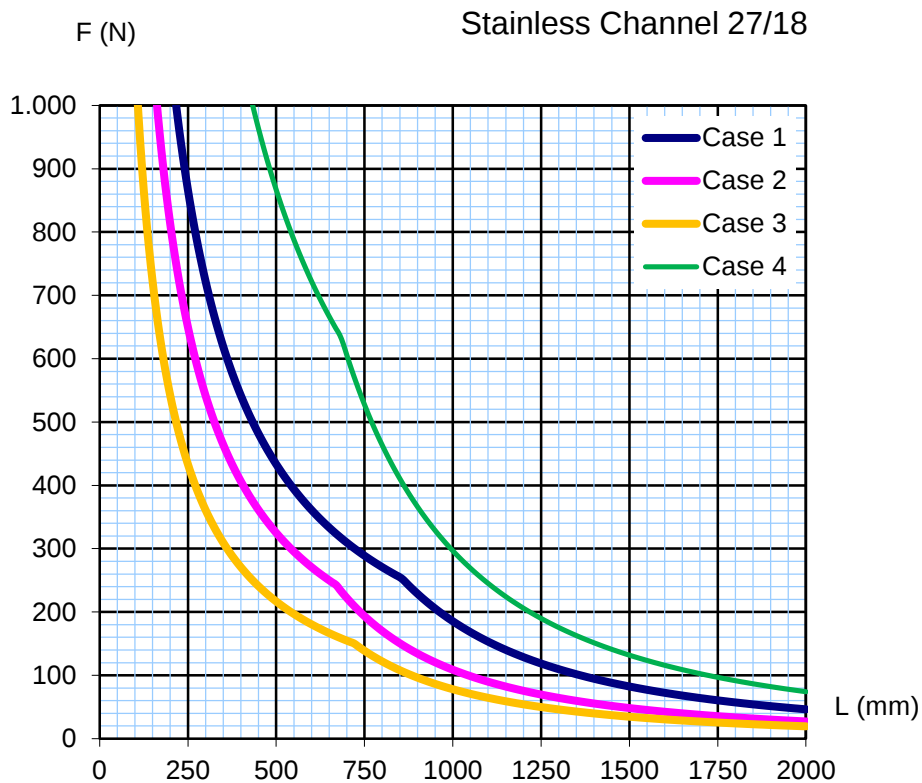
Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **16 of 43**

Recommended loads



SUPPORTS

Denomination: **SUPPORTS**

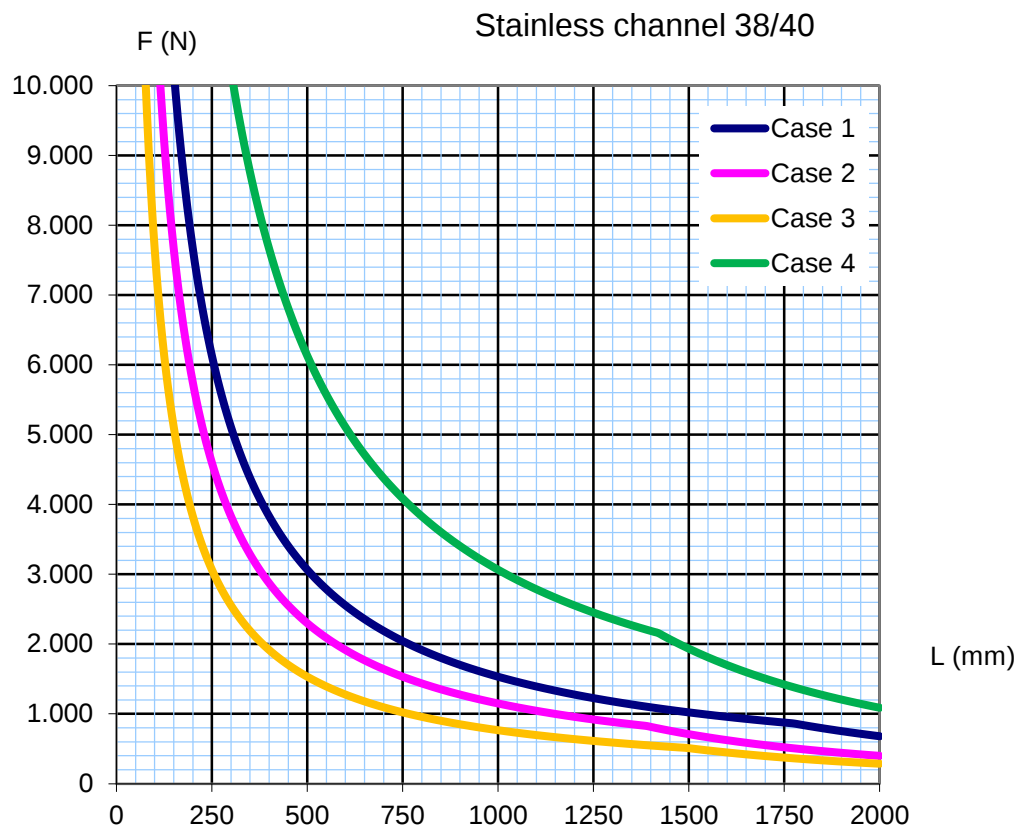
Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **17 of 43**



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **18 of 43**

4. GP-PL, GP-PVC

Yellow plastified slotted channel
PVC slotted channel



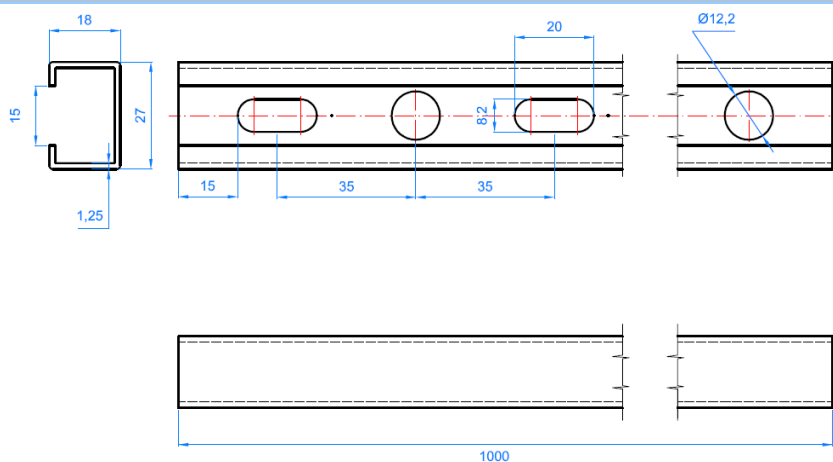
Properties



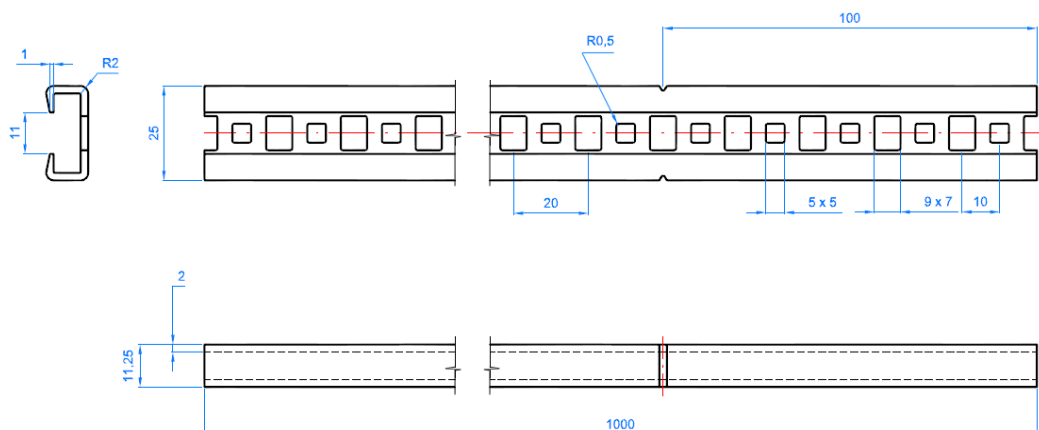
Details

Code	Size [mm]	Length [mm]
GPP271812	27 x 18 x 1.25	2000
GPV251120	25 x 11 x 2	2000

Sketch GPP271812



Sketch GPV251120



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **19 of 43**

5. GP-X

Indextrut slotted channel



Properties



Steel

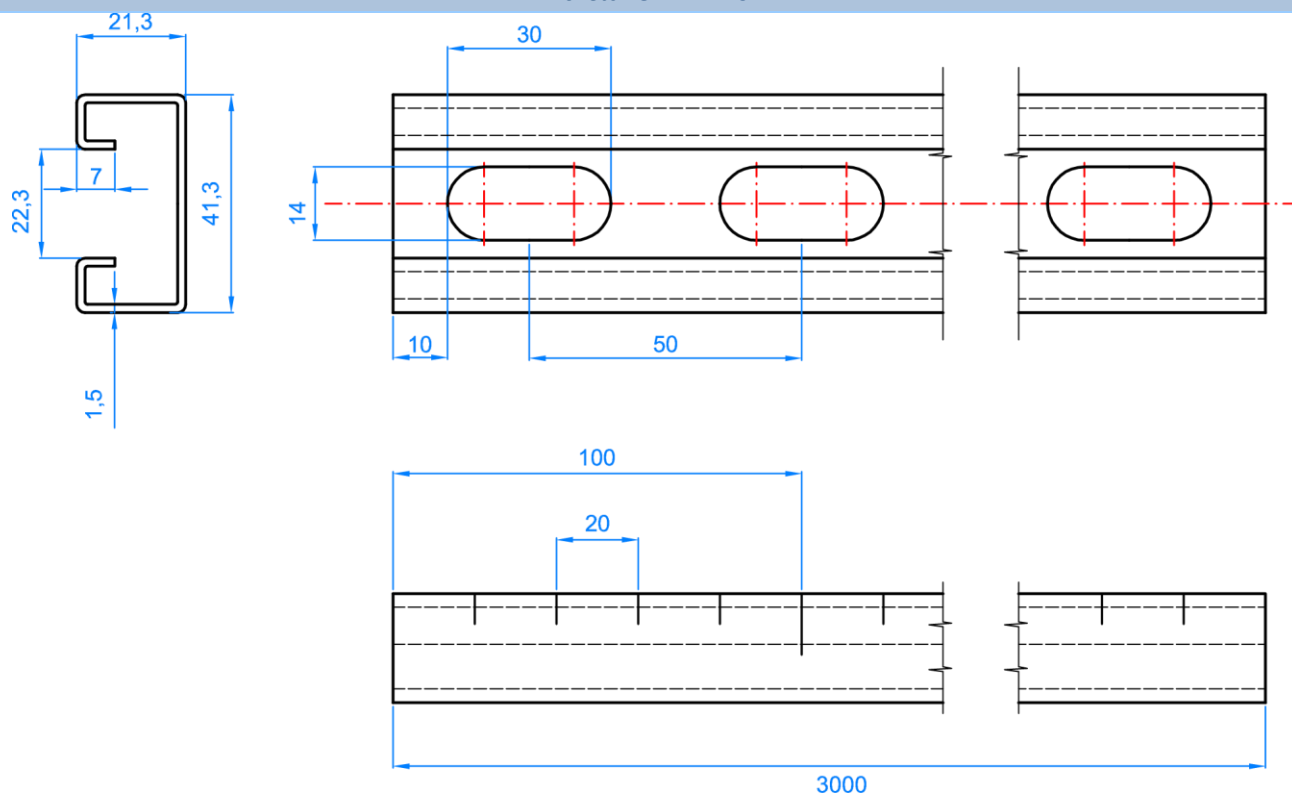


Pre-galvanized coating $\geq 19\mu\text{m}$

Details

Code	Size [mm]	Length [mm]
GPX412120	41 X 21 X 1.50	3000
GPX412120	41 X 21 X 2.00	3000
GPX412125	41 X 21 X 2.50	3000
GPX414115	41 X 41 X 1.50	3000
GPX414120	41 X 41 X 2.00	3000
GPX414125	41 X 41 X 2.50	3000
GPX2M412120	41 x 21 x 2.00	2.000
GPX2M414120	41 x 41 x 2.00	2.000

Sketch GPX412115



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

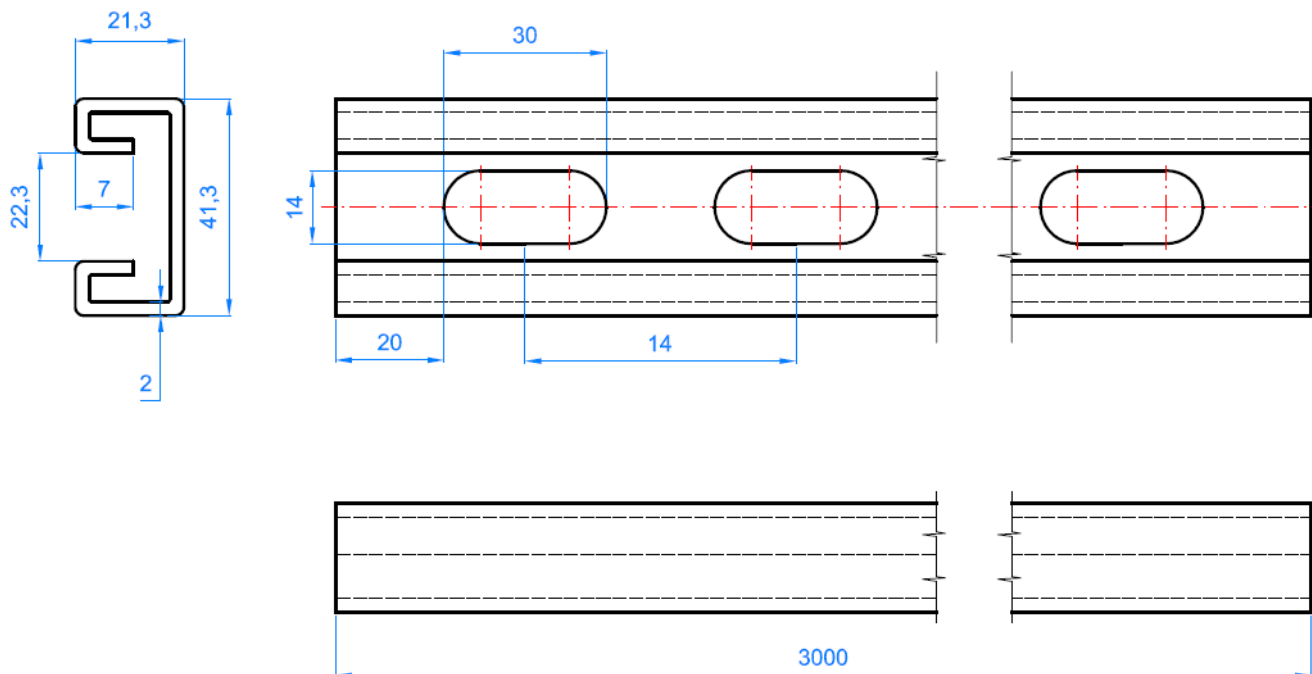
Reference: **FT SOP-en**

Date: **15/07/2019**

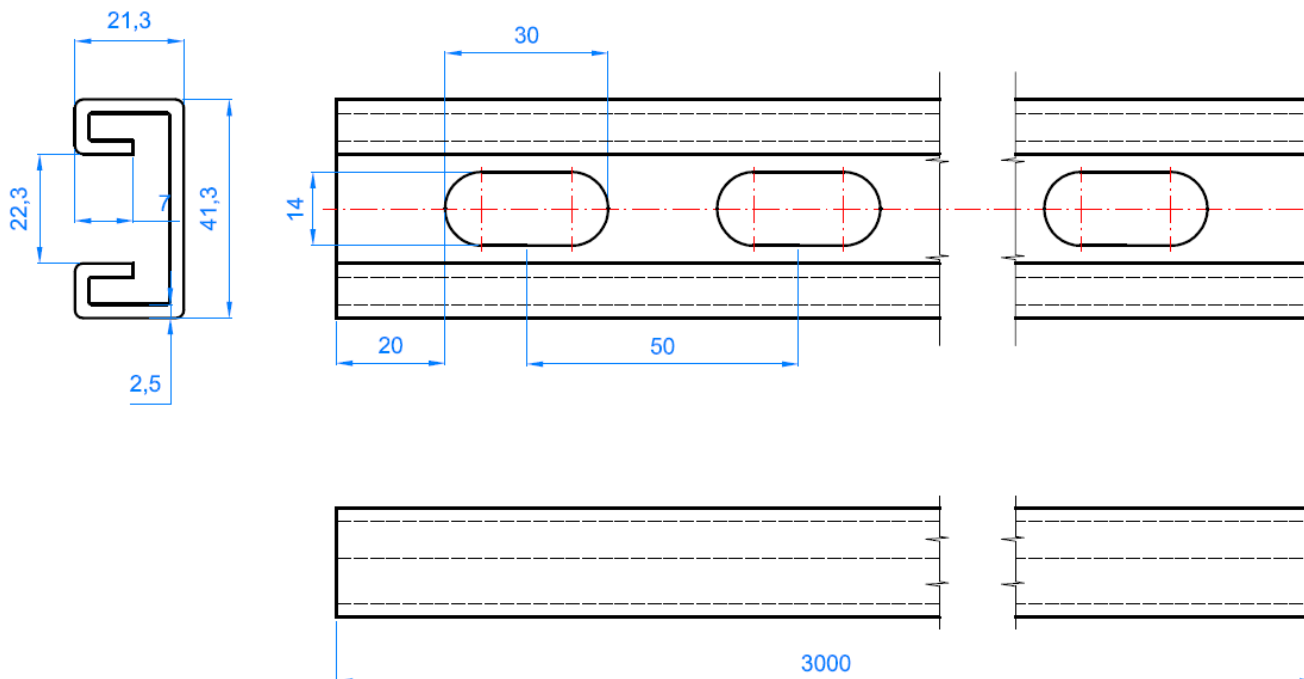
Revision: **14**

Page: **20 of 43**

Sketch GPX412120



Sketch GPX412125



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

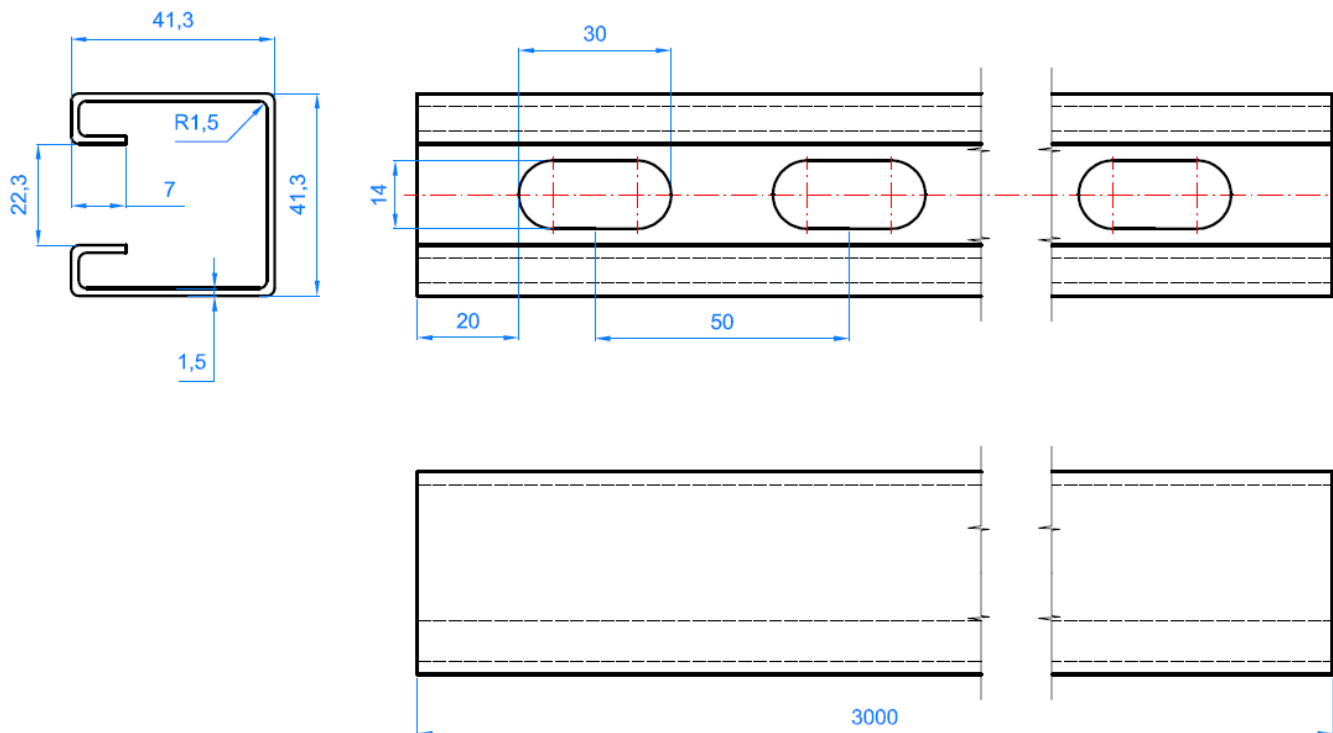
Reference: **FT SOP-en**

Date: **15/07/2019**

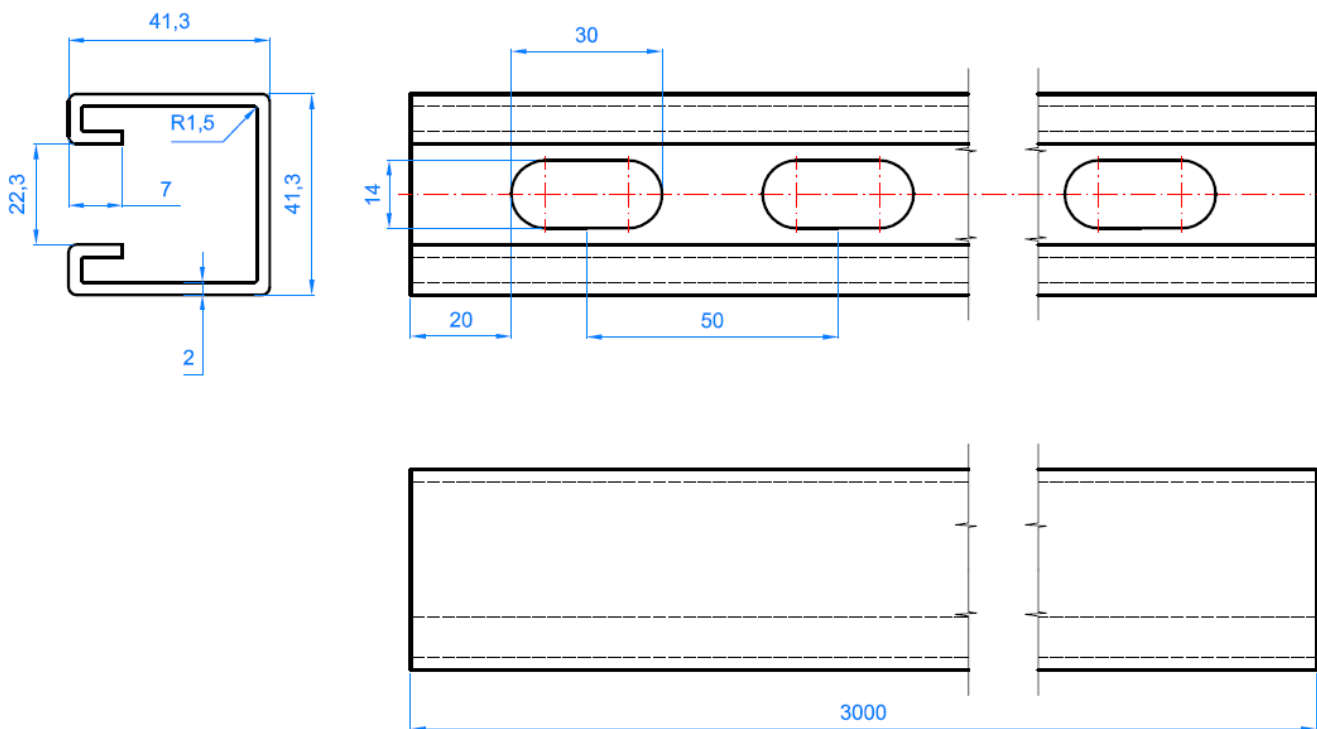
Revision: **14**

Page: **21 of 43**

Sketch GPX414115



Sketch GPX414120



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

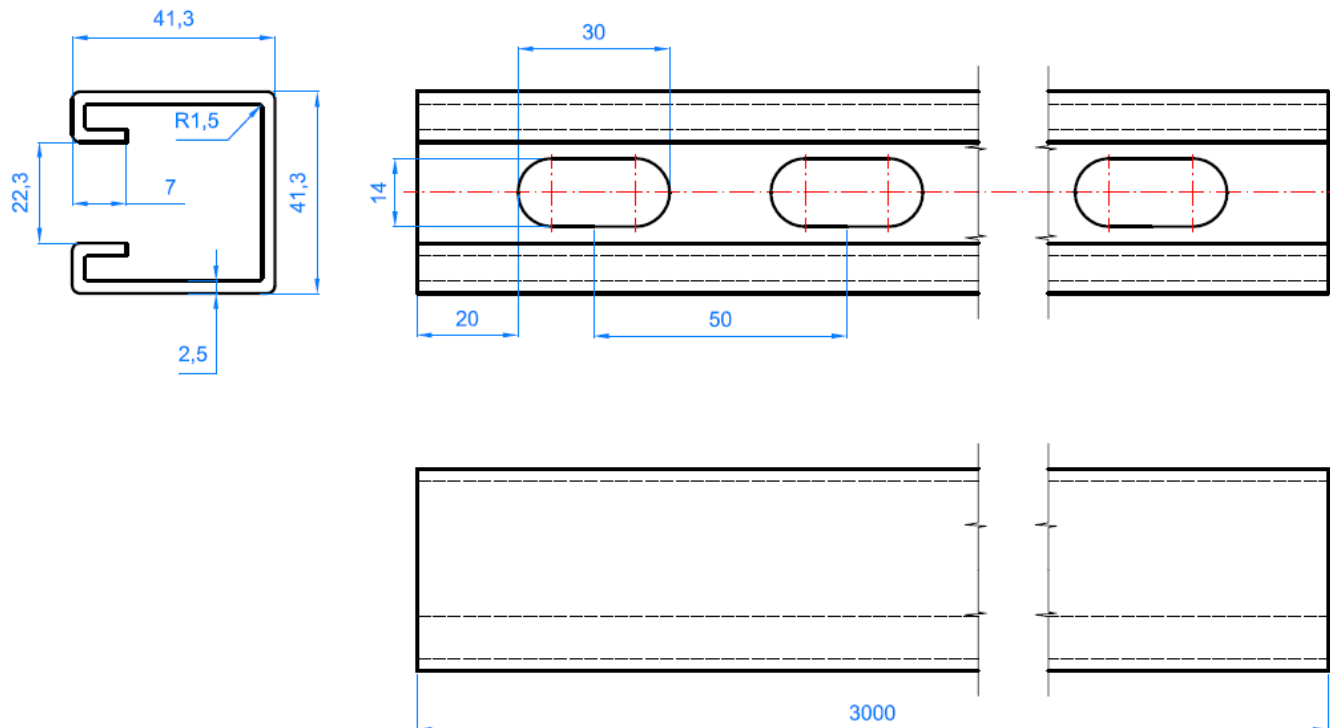
Reference: **FT SOP-en**

Date: **15/07/2019**

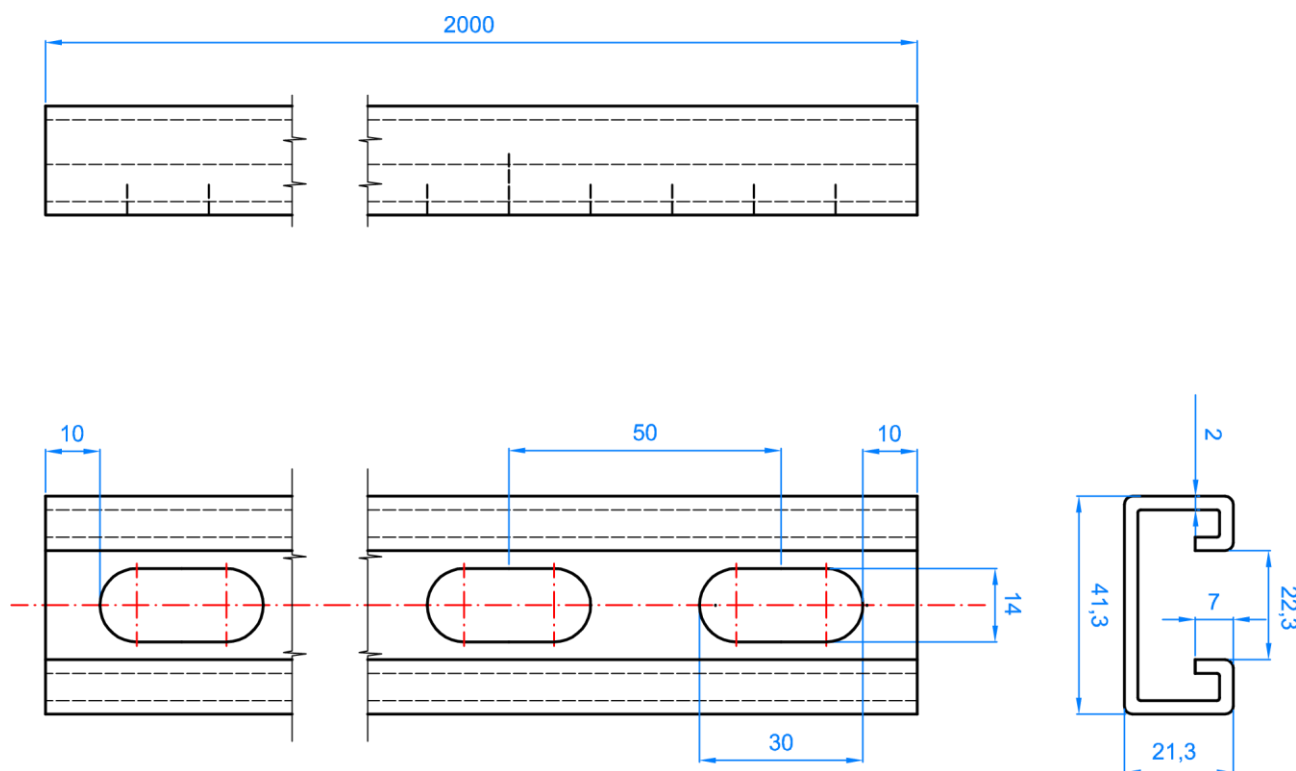
Revision: **14**

Page: **22 of 43**

Sketch GPX414125



Sketch GPX2M412120



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

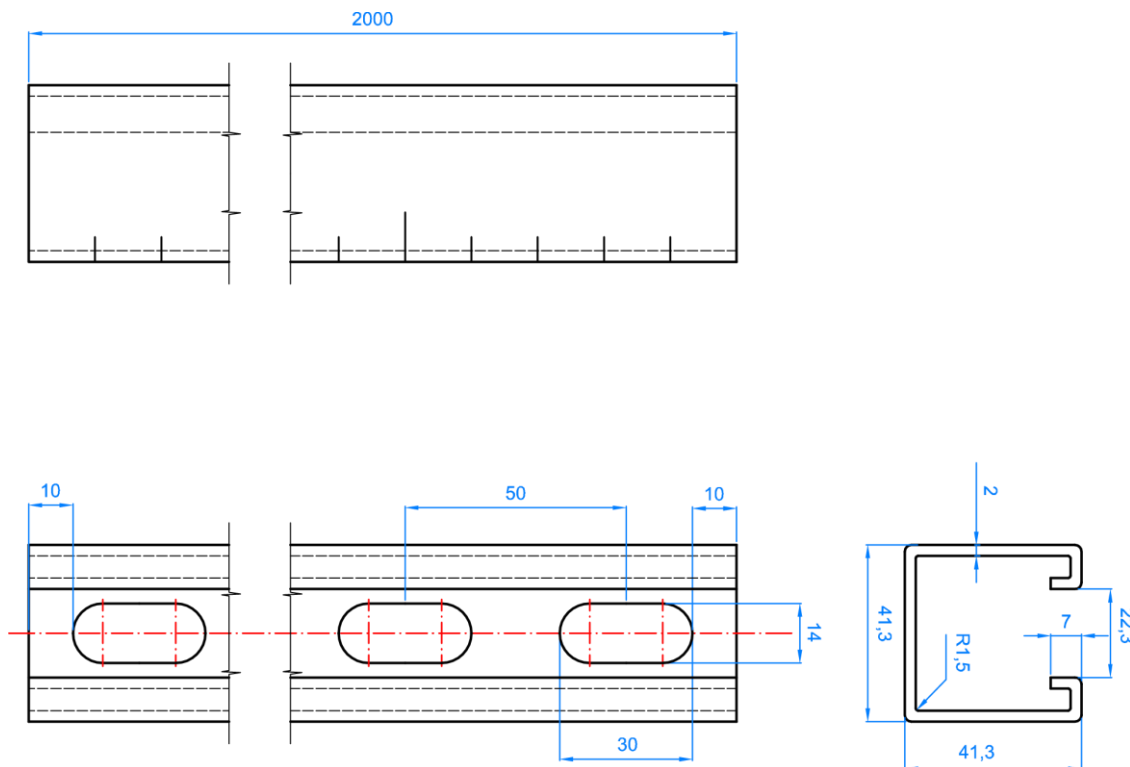
Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

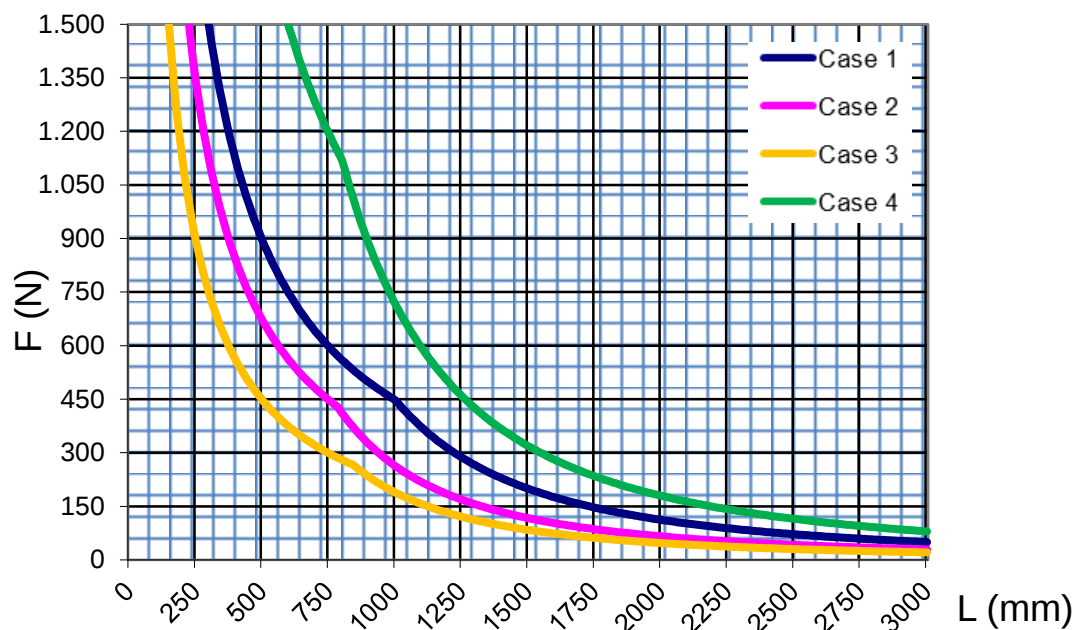
Page: **23 of 43**

Sketch GPX2M414120



Recommended loads

Channel 412115



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

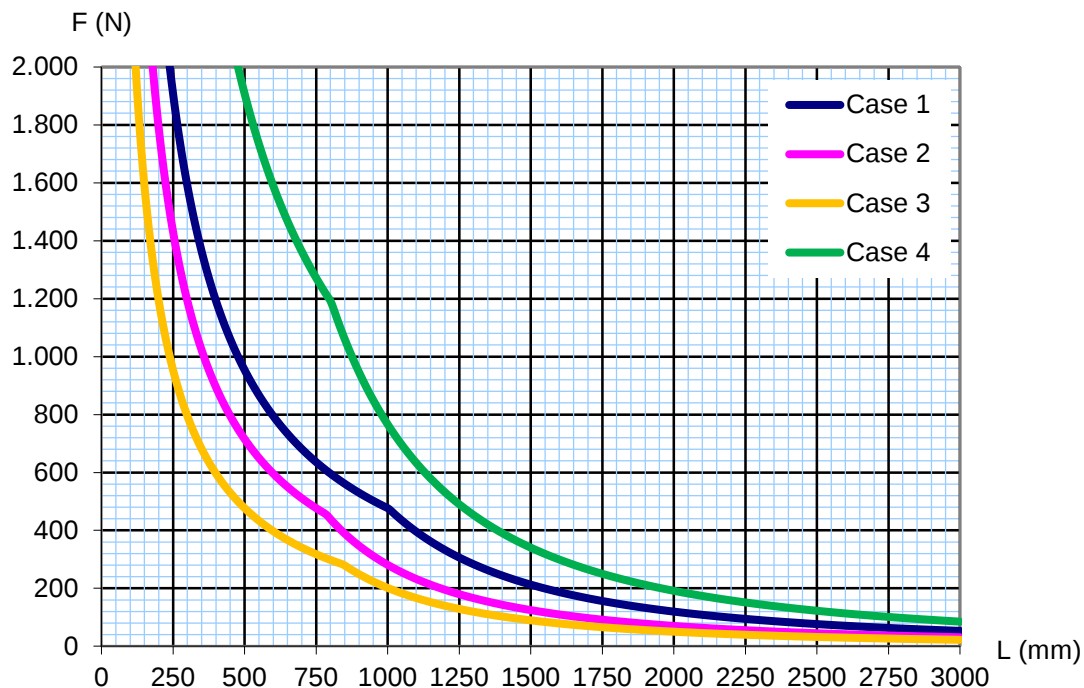
Reference: **FT SOP-en**

Date: **15/07/2019**

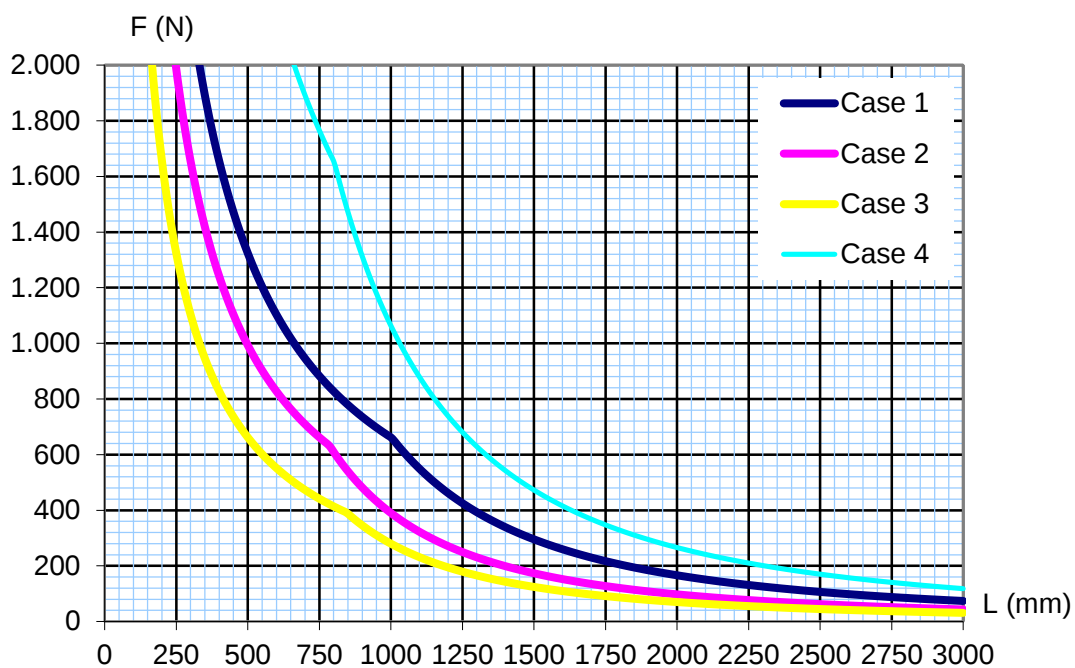
Revision: **14**

Page: **24 of 43**

Channel 412120



Channel 41/21



SUPPORTS

Denomination: **SUPPORTS**

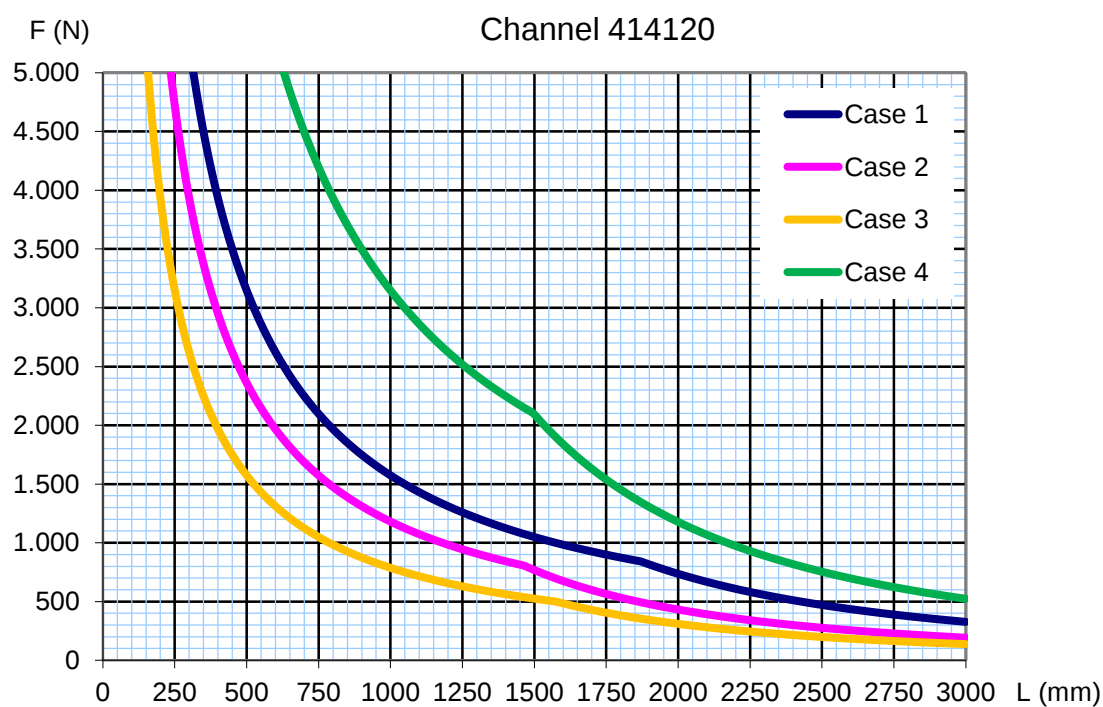
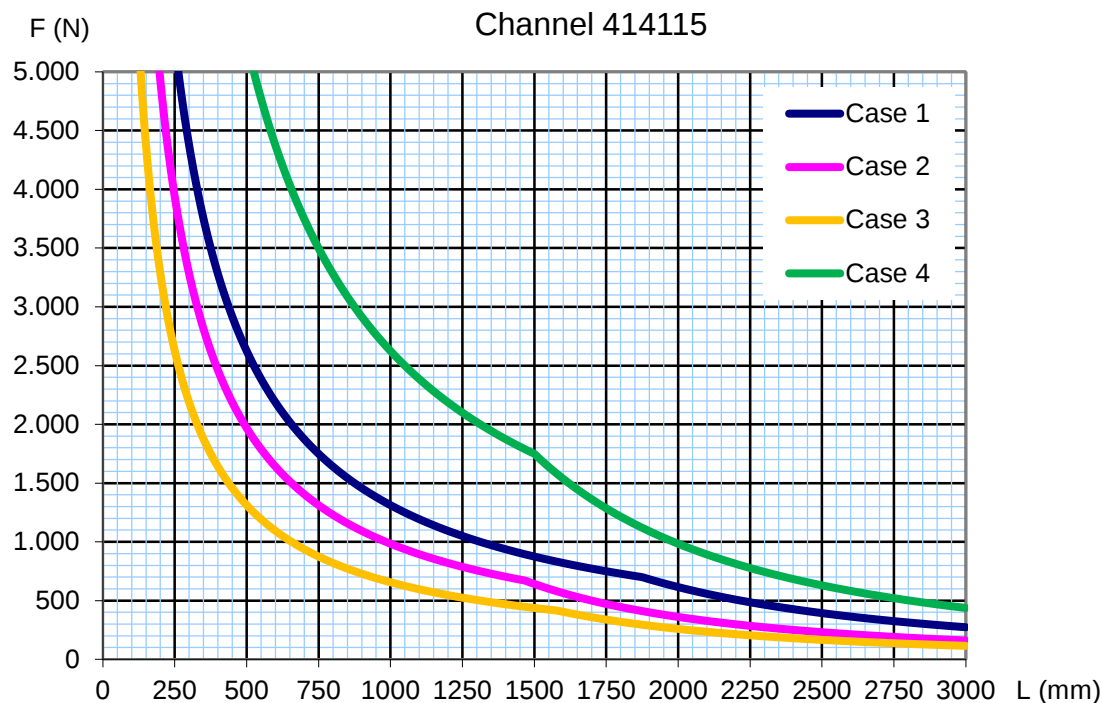
Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **25 of 43**



SUPPORTS

Denomination: **SUPPORTS**

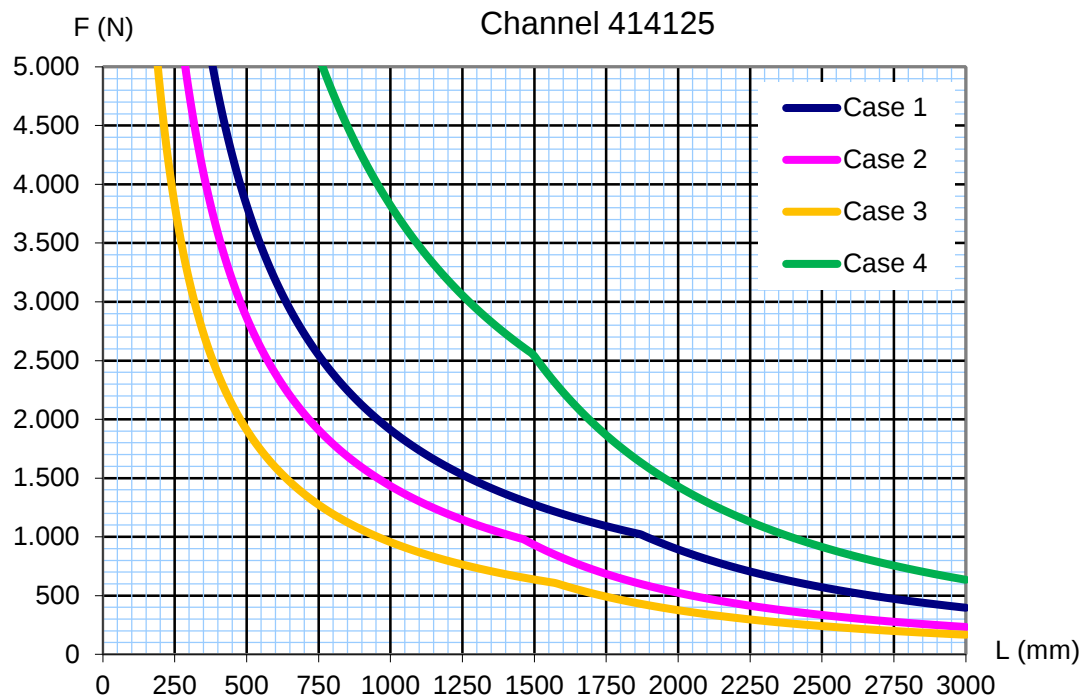
Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **26 of 43**



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **27 of 43**

6. SP-Z

Zinc-plated slotted cantilever



Properties



Steel



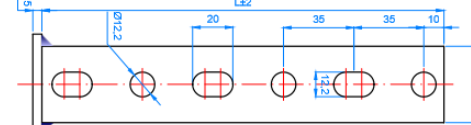
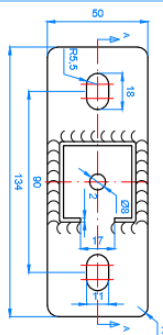
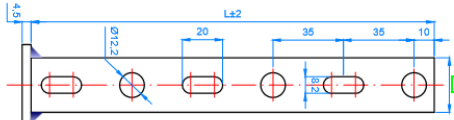
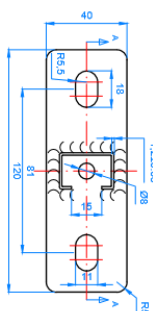
Zinc-plated coating $\geq 5\mu\text{m}$

Details

Code	Size [mm]	Length (L) [mm]
SPZ271820	27 x 18 x 1,20	200
SPZ271830	27 x 18 x 1,20	300
SPZ384020	38 x 40 x 2	200
SPZ384025	38 x 40 x 2	250
SPZ384030	38 x 40 x 2	300
SPZ384035	38 x 40 x 2	350
SPZ384040	38 x 40 x 2	400
SPZ384050	38 x 40 x 2	500
SPZ384060	38 x 40 x 2	600

Sketch SPZ2718

Sketch SPZ3840



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

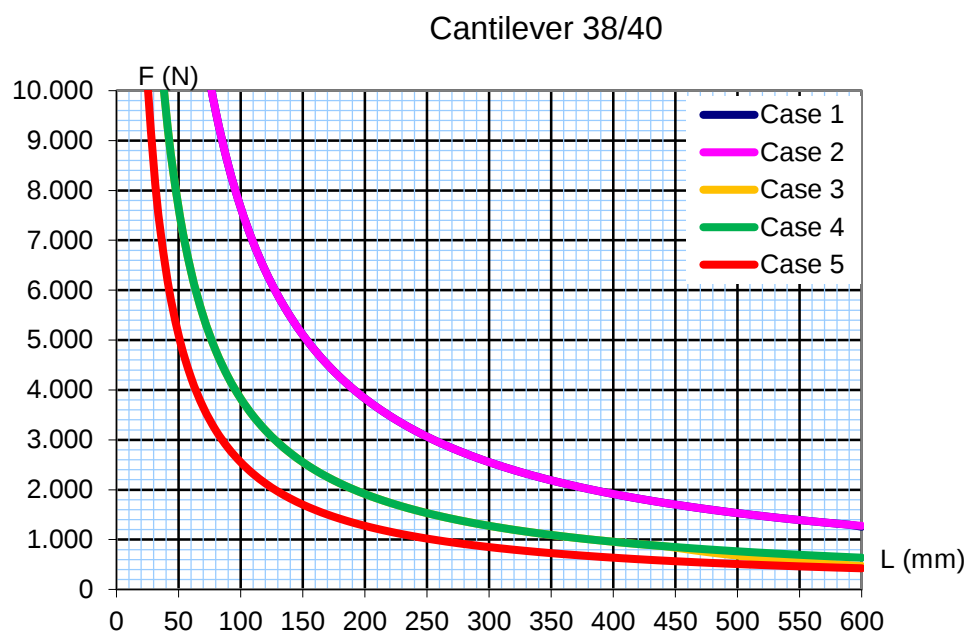
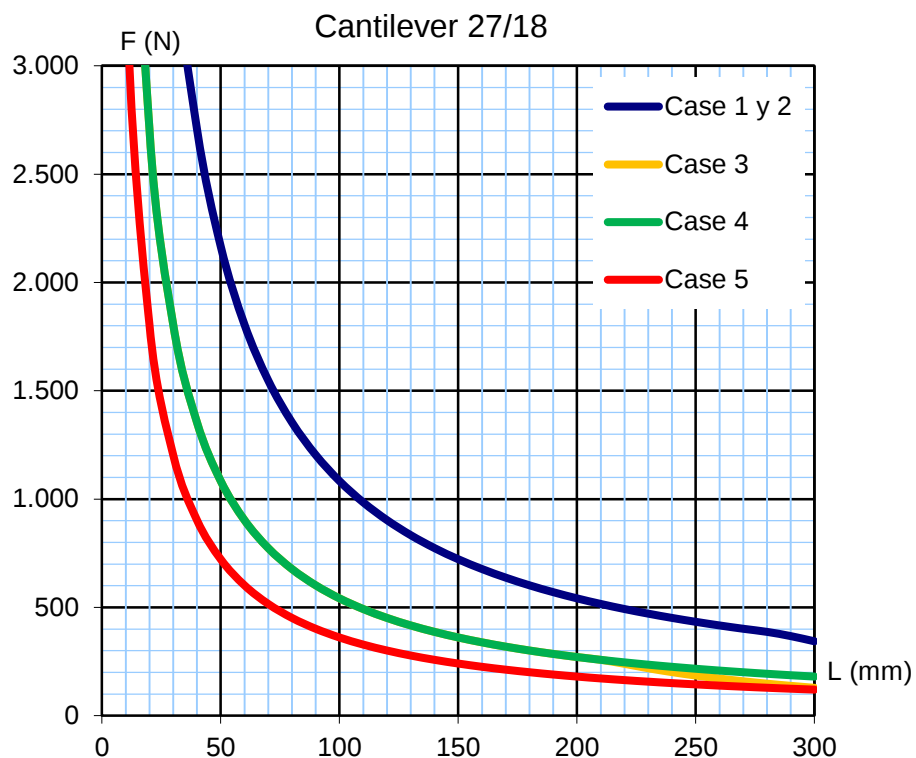
Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **28 of 43**

Recommended loads



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **29 of 43**

7. SP-X

Indextrut perforated cantilever



Properties



Steel



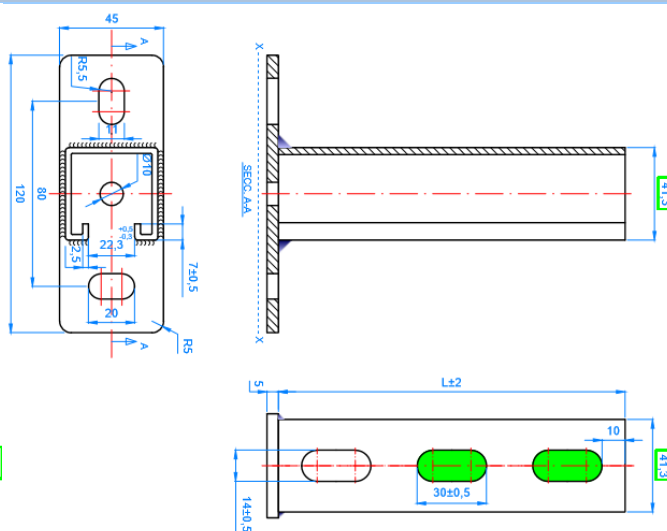
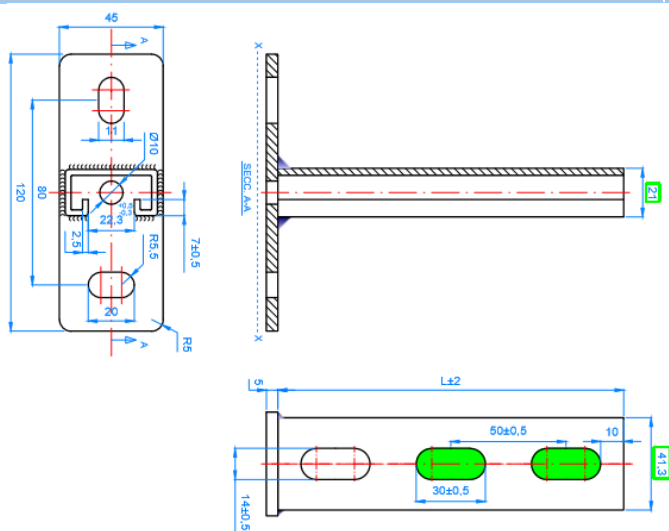
Zinc-plated coating $\geq 5\mu\text{m}$

Details

Code	Size [mm]	Length (L) [mm]
SPX412115	41 x 21 x 2,5	150
SPX412130	41 x 21 x 2,5	300
SPX412145	41 x 21 x 2,5	450
SPX414115	41 x 41 x 2,5	150
SPX414130	41 x 41 x 2,5	300
SPX414145	41 x 41 x 2,5	450
SPX414160	41 x 41 x 2,5	600
SPX414175	41 x 41 x 2,5	750

Sketch SPX4121

Sketch SPX4141



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

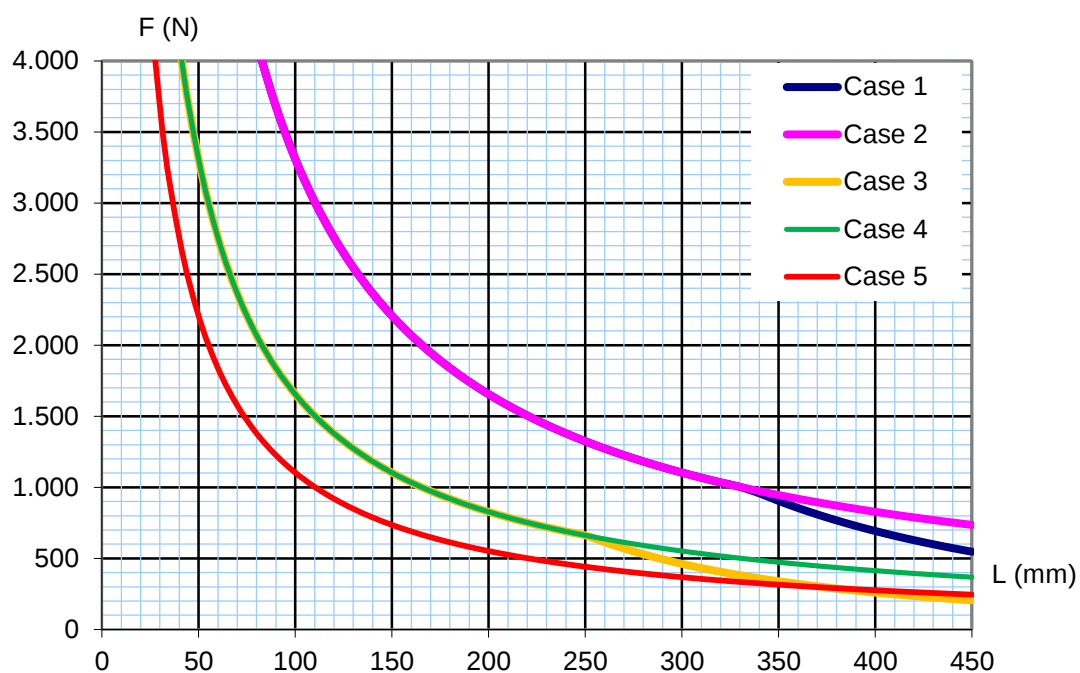
Date: **15/07/2019**

Revision: **14**

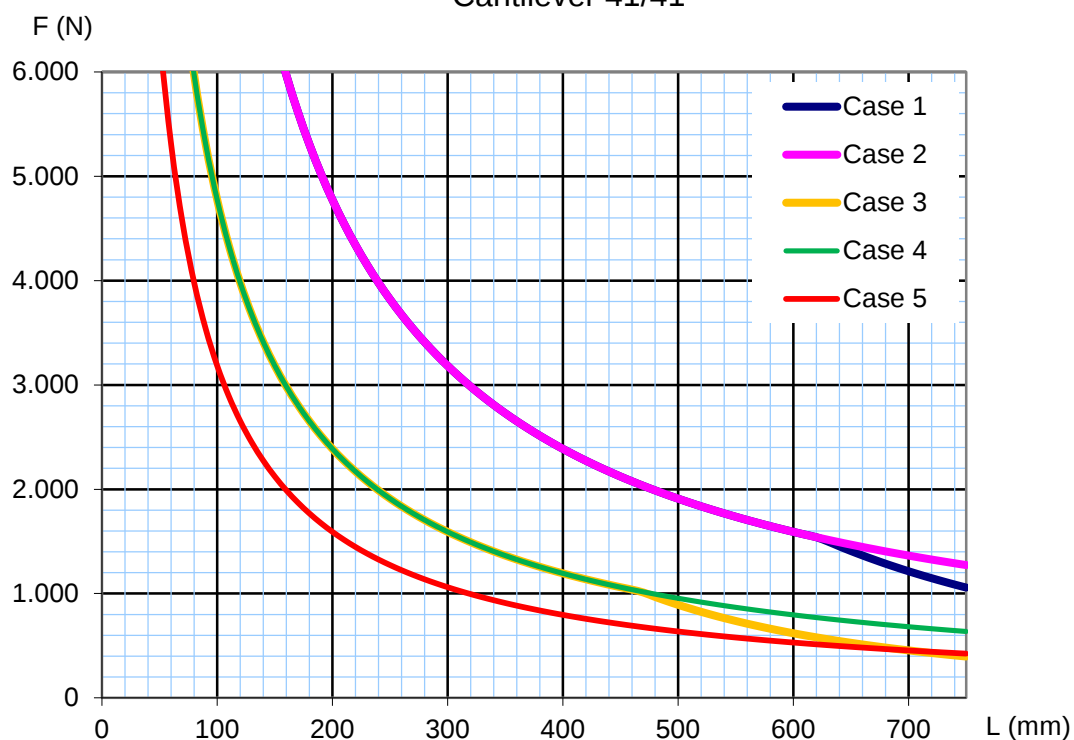
Page: **30 of 43**

Recommended Loads

Cantilever 41/21



Cantilever 41/41



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **31 of 43**

8. SP-V

Vertical support



Properties



Steel



Zinc-plated coating $\geq 5\mu\text{m}$

Details

Code	Size [mm]
SPV2718	M10 (27/18 – 28/30)
SPV3840	M10 (38/40 – 40/20)
Sketch SPV2718	Sketch SPV3840

--	--

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **32 of 43**

9. SP-H

Horizontal support



Properties



Steel



Zinc-plated coating $\geq 5\mu\text{m}$

Details

Code	Size [mm]
SPH2718	M10 (27/18 – 28/30)
SPH3840	M10 (38/40 – 40/20)
Sketch SPH2718	Sketch SPH3840

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **33 of 43**

10. SP-HX

Horizontal channel support



Properties



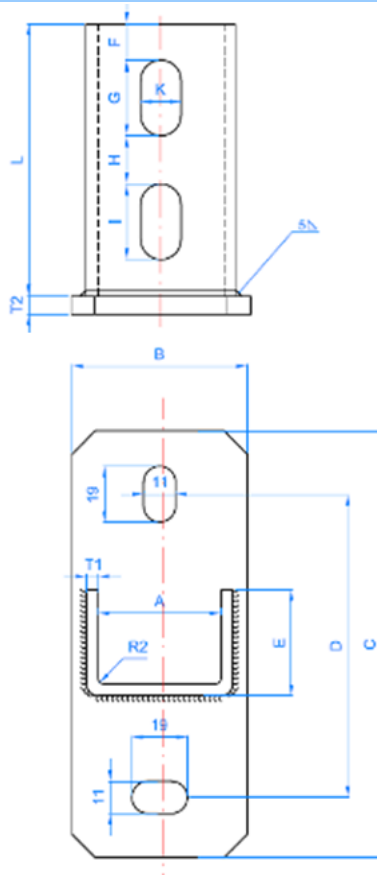
Steel



Zinc-plated coating $\geq 5\mu\text{m}$

Details

Code							Size [mm]						
SPGH2718							M10 (27/18 – 28/30)						
SPGH3840							M10 (38/40, 40/20, 41/21, 41/41)						
Sketch SPGH													
Code	A	B	C	D	E	F	G	H	I	K	L	T1	T2
SPGH2718	31	40	120	78.6	20	11	19	10	19	11	70	3	4
SPGH3840	42	60	145	103	35	12	25	16	25	13.6	90	4	6



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **34 of 43**

11. TO-GU

Channel stud nut



Properties



Steel



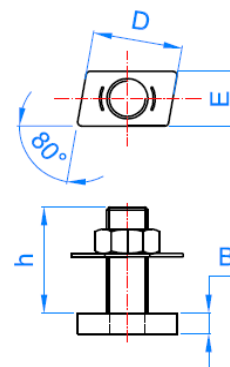
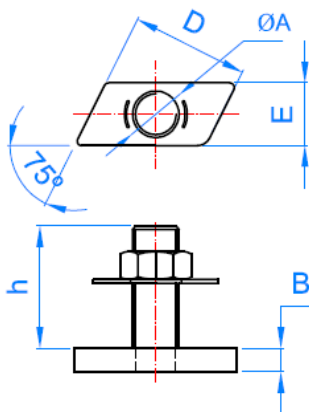
Zinc-plated coating $\geq 5\mu\text{m}$

Details

Code	Size [mm]	Valid for
TG230620	M6 X 20	20/10 – 25/08 – 25/11 – 27/18
TG230820	M8 X 20	27/18 – 28/30
TG230830	M8 X 30	27/18 – 28/30
TG340830	M8 X 30	38/40 – 40/20
TG341030	M10 X 30	38/40 – 40/20

Sketch

Code	ϕA	B	h	D	E	Washer	Code	ϕA	B	h	D	E	Washer
TG230620	M6	4	20	23	13	DIN9021 M8	TG230820	M8	4	20	23	14	DIN9021 M8
							TG230830	M8	4	30	23	14	DIN9021 M8
							TG340830	M8	4	30	33	14	DIN440 M8
							TG341030	M10	4	30	33	14	DIN9021 M10



Maximum recommended sliding and traction loads

Buffer	Channel	Installation torque [Nm]	Sliding load [kN]	Traction load [kN]
TG230620	GPG271812	8.1	0.51	0.43
TG230830	GPG271812	14.9	0.75	1.83
TG230620	GPG283018	8.1	0.40	0.55
TG230830	GPG283018	14.9	0.52	2.77
TG340830	GPG384020	14.9	0.82	3.52
TG341030	GPG384020	25.8	0.84	3.08
TG340830	GPG402015	14.9	0.81	2.45
TG341030	GPG402015	25.8	0.92	1.64
TG230620	GPZ250808	8.1	0.96	0.49

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **35 of 43**

TG230830

GPZ250808

14.9

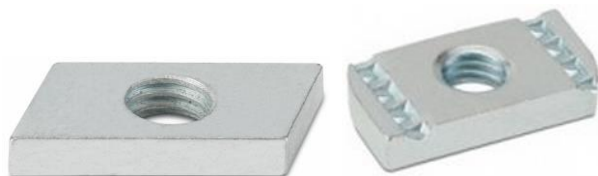
1.05

0.67

12. TU-GU

Channel nut

Properties

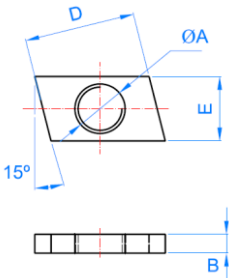
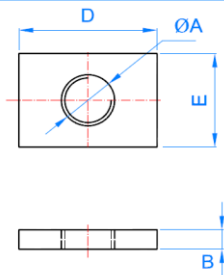
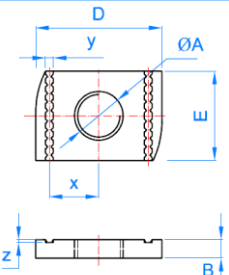


Steel



Zinc-plated coating $\geq 5\mu\text{m}$

Details

Code			Size	Valid for	Sketch TUG2010									
TUG201006		M6		20/10 – 25/08 – 25/11 – 27/18 – 28/30		Code		ϕA	B	E	D			
TUG201008		M8		20/10 – 25/08 – 25/11 – 27/18 – 28/30		TUG201006		M6	4	13	23			
TUG271808		M8		27/18 – 28/30 – 38/40 – 40/20		TUG201008		M8	4	13	23			
TUG271810		M10		27/18 – 28/30 – 38/40 – 40/20										
TUGX08		M8		Indextrut 41/41 – 41/21										
TUGX10		M10		Indextrut 41/41 – 41/21										
Sketch TUG2718					Sketch TUGX									
Code		ϕA	B	E	D	Code		ϕA	B	E	D	z	y	x
TUG271808		M8	4	24	30	TUGX08		M8	6	20	34.5	1.2	4.5	12
TUG271810		M10	4	24	30	TUGX10		M10	8	20	34.5	1.5	4.5	12
														

Maximum recommended sliding and traction loads

Nut	Channel	Installation torque [Nm]	Sliding load [kN]	Traction load [kN]
TUG271808	GPI283015	14.9	0.69	5.33
TUG271808	GPI384020	14.9	0.74	5.84
TUG271810	GPI283015	25.8	0.66	5.84
TUG271810	GPI384020	25.8	1.20	6.19
TUGX08	GPX414120	14.9	0.75	6.20
TUGX10	GPX414120	25.8	0.89	7.74

SUPPORTS

 Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

 Reference: **FT SOP-en**

 Date: **15/07/2019**

 Revision: **14**

 Page: **36 of 43**

TUGX08	GPX414125	14.9	0.75	6.20
TUGX10	GPX414125	25.8	0.89	7.74

13. TU-MU

Indextrut channel spring nut



Properties



Steel

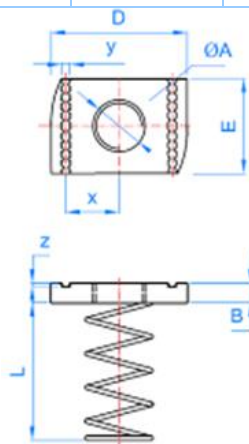

 Zinc-plated coating $\geq 5\mu\text{m}$

Details

Code	Size	Valid for
TUGXMU08	M08	Indextrut 41/41
TUGXMU10	M10	Indextrut 41/41

Sketch TUGXMU

Code	ϕA	B	E	D	z	y	x	L
TUGXMU08	M8	6	20	34.5	1.2	4.5	12	36
TUGXMU10	M10	8	20	34.5	1.5	4.5	12	36



Maximum recommended sliding loads

Nut	Channel	Installation torque [Nm]	Sliding load [kN]	Traction load [kN]
TUGXMU08	GPX414125	14.9	0.75	6.20
TUGXMU10	GPX414125	25.8	0.89	7.74

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **37 of 43**

14. SO-TP

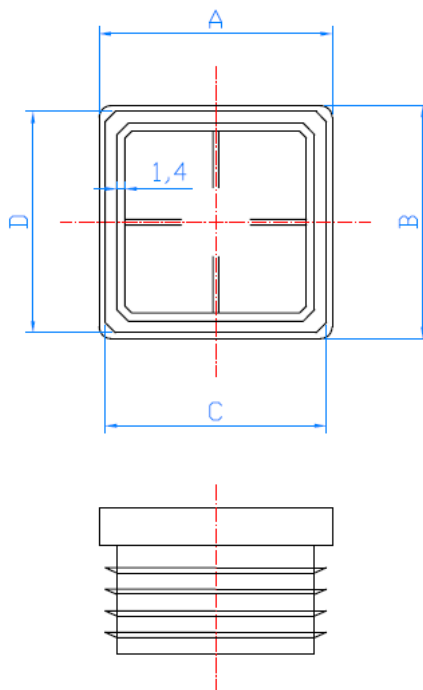
Plastic cap for framing systems

Properties



Details and sketch

Code	Size	A	B	C	D
SOTP2718	27x18x12	30	20	28 ÷ 29	18 ÷ 19
SOTP2830	28x30x18	30	30	28 ÷ 29	28 ÷ 29
SOTP3840	38x40x20	40	40	38 ÷ 39	38 ÷ 39
SOTP4121	41x21x25	41	21	36.5 ÷ 38	16.5 ÷ 18
SOTP4141	41x41x25	41	41	36.5 ÷ 38	36.5 ÷ 38



SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **38 of 43**

15. EG-Z

Zinc-plated bracket



Properties



Steel



Zinc-plated coating $\geq 5\mu\text{m}$

Recommended Tension Load [kN]

0.82

Details

Code	Size	Sketch EMZ00
EMZ45	45°	
EMZ90	90°	
EMZ00	180°	
Sketch EMZ45		Sketch EMZ90

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **39 of 43**

16. EG-A2

A2 Stainless steel bracket

Properties



Stainless steel AISI 304 (A2)

Details

Code	Size	Sketch EMI00
EMI45	45°	
EMI90	90°	
EMI00	180°	
Sketch EMI45		Sketch EMI90

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

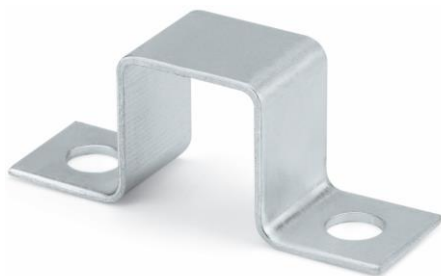
Date: **15/07/2019**

Revision: **14**

Page: **40 of 43**

17. PG-Z

Zinc-plated channel u-fitting



Properties



Steel



Zinc-plated coating $\geq 5\mu\text{m}$

Details

Code	Size	Sketch PGZ2718
PGZ2718	27/18	
PGZ2830	28/30	
PGZ3840	38/40	
Sketch PGZ2830		Sketch PGZ3840

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

Revision: **14**

Page: **41 of 43**

18. PG-A2

A2 Stainless steel channel u-fitting



Stainless steel AISI 304 (A2)

Properties

Details

Code	Size	Sketch PGI2718
PGI2718	27/18	
PGI2830	28/30	
PGI3840	38/40	

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

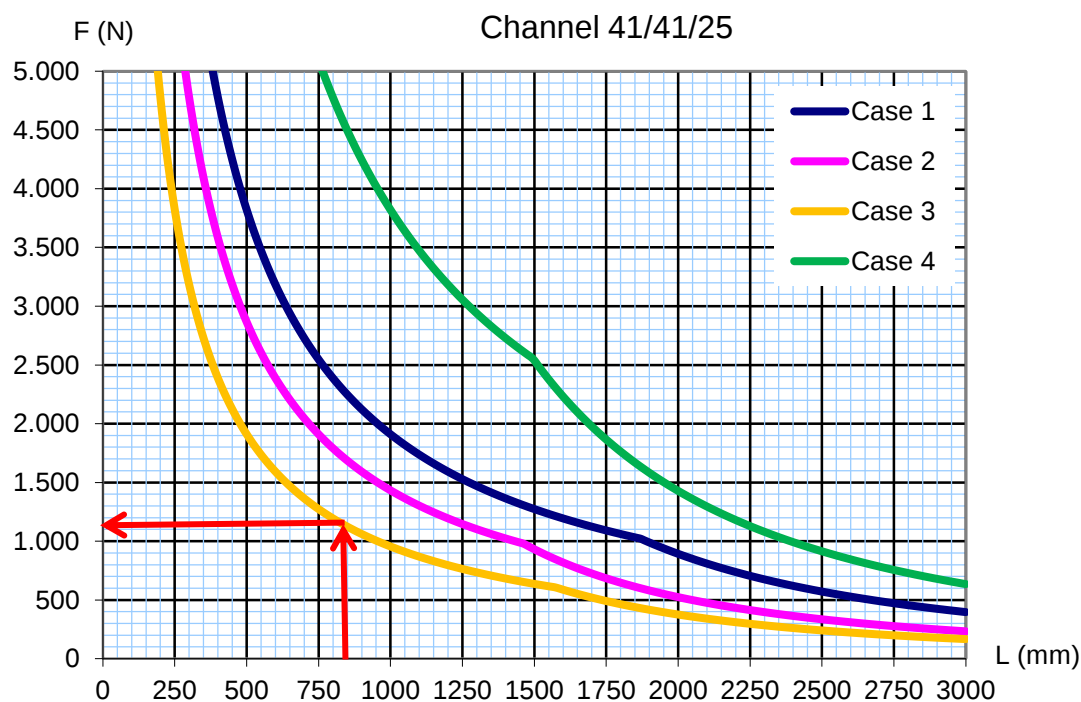
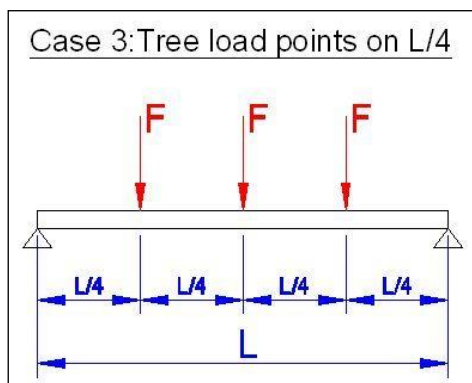
Revision: **14**

Page: **42 of 43**

SLOTTED CHANNEL DESIGN EXAMPLE

Slotted channel design example:

Channel GPX414125: Channel Length 800 mm with three clamps equally spaced at 200 mm (case 3).



Result is an admissible load per clamp of 1.200 N (≈ 120 Kg).

SUPPORTS

Denomination: **SUPPORTS**

Codes: SPZ, SPX, SPV, SPH, SPGH, GPZ, GPG, GPI, GPP, GPV, GPX, EMZ, EMI, PGZ, PGI, SOTP, TG, TUG, TUGX.

Reference: **FT SOP-en**

Date: **15/07/2019**

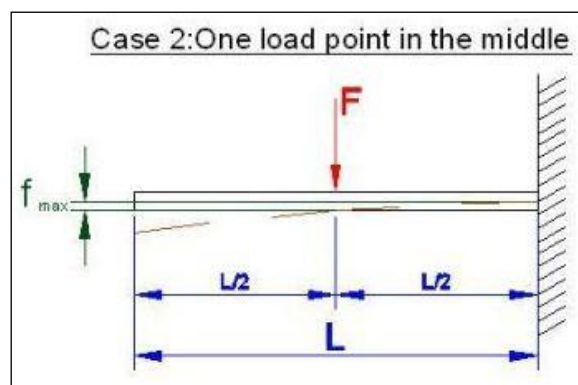
Revision: **14**

Page: **43 of 43**

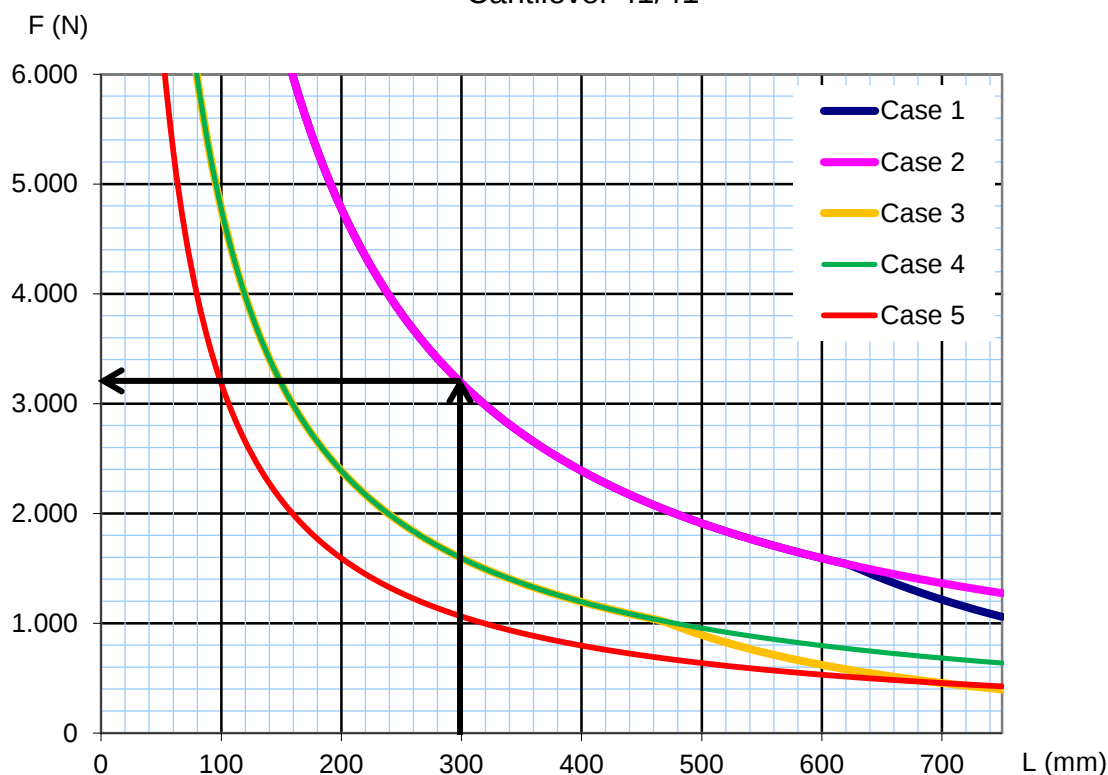
CANTILEVER DESIGN EXAMPLE

Cantilever design example:

Cantilever SPX414130: One pipe situated 150 mm from the wall (case 2).



Cantilever 41/41



Result is an admissible load of 3.180N (≈ 318 Kg).

These admissible loads are only applicable if the cantilever is fixed with anchors complying with their guidelines of use and their corresponding applications.

Loads transmitted to the base material must be checked separately (steel and concrete)

Recommended anchors: AH08075, AH10090, MIA408075, MIA410090, HEHOM08 y HEHOM10