



GP - X



SP - X



SP - HX



PR - X



SP - RX



SP - UX



CHARACTERISTICS

- Indextrut channel range: pre galvanized channels for heavy duty fluid piping.
- 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.
- Ideal for specialized installers in this field.

BASE MATERIAL



APPLICATION EXAMPLES



Channels and cantilevers for electrical and telecommunication installations and piping.

Cable tray Cantilevers.

Accessories which complement basic equipment.

1. RANGE

ITEM	PHOTO	REFERENCE	DESCRIPTION	MATERIAL	COATING
1		GPX412115	Channel 41 x 21 x 1.50	 Steel	 Atlantis C2-H ≥ 15µm ($\bar{x}$ = 20 µm)
		GPX412120	Channel 41 x 21 x 2.00		
		GPX412125	Channel 41 x 21 x 2.50		
		GPX414115	Channel 41 x 41 x 1.50		
		GPX414120	Channel 41 x 41 x 2.00		
		GPX414125	Channel 41 x 41 x 2.50		
		GPX2M412120	Channel 41 x 21 x 2.00		
		GPX2M414120	Channel 41 x 41 x 2.00		
2		SPX412115	Cantilever 41 x 21 x 2.50 x 150	 Steel	 Zinc-plated ≥ 5µm
		SPX412130	Cantilever 41 x 21 x 2.50 x 300		
		SPX412145	Cantilever 41 x 21 x 2.50 x 450		
		SPX414115	Cantilever 41 x 41 x 2.50 x 150		
		SPX414130	Cantilever 41 x 41 x 2.50 x 300		
		SPX414145	Cantilever 41 x 41 x 2.50 x 450		
		SPX414160	Cantilever 41 x 41 x 2.50 x 600		
		SPX414175	Cantilever 41 x 41 x 2.50 x 750		
3		SPGH3840	Horizontal channel support	 Steel	 Zinc-plated ≥ 5µm
4		PRX01	Adjustable support Indextrut	 Steel	 Zinc-plated ≥ 5µm
5		SPRXH4121	Rectangular U base support Indextrut	 Steel	 Zinc-plated ≥ 5µm
		SPRXV4121			
6		SPUX412100	support U base Indextrut	 Steel	 Zinc-plated ≥ 5µm
		SPUX412145			

2. COMPATIBILITY TABLE.

				CHANNEL CANTILEVER ARMS						CHANNEL BRACKETS										CHANNEL U-FITTING		CHANNEL STUD NUTS		CHANNEL NUTS								PLASTIC CAPS							
				SPRXH4121	SPRXV4121	SPUX412100	SPUX412145	PRX01	RTX01	EMX4502	EMX9002	EMX1302	EMX9004	UNEX412103	UNTX412104	SCRX090	UNPX412101	UNPX412102	UNPX412103	UNPX412104	EMPX4121	PGX4121	PGX4141	TGRX0830	TGRX0860	TGRX1030	TGRX1060	TUGX08	TUGX10	TUGXMU08	TUGXMU10	TURX08	TURX10	TURX12	TURXA08	TURXA10	SOTP4121	SOTP4141	
				Horizontal	Vertical	0º	45º			45º	90º	130º	90º	3-hole L-joint	T-joint 4 holes	90º	1 hole	2 holes	3 holes	4 holes	Union of 2 guides			M8 x 30	M8 x 60	M10 x 30	M10 x 60	M8	M10	Spring nut	Spring nut								
	Code	Size (mm)	Length (mm)																																				
SLOTTED STRUT CHANNELS	GPX412115	41x21x1,5	3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•				
	GPX412120	41x21x2,0	3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•				
	GPX412125	41x21x2,5	3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•		
	GPX414115	41x41x1,5	3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
	GPX414120	41x41x2,0	3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
	GPX414125	41x41x2,5	3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
CHANNEL CANTILEVER ARMS	SPX412115	41x21x2,5	150																									•	•									•	
	SPX412130	41x21x2,5	300																									•	•									•	
	SPX412145	41x21x2,5	450																									•	•									•	
	SPX414115	41x41x2,5	150																									•	•	•	•							•	
	SPX414130	41x41x2,5	300																									•	•	•	•							•	
	SPX414145	41x41x2,5	450																									•	•	•	•							•	
	SPX414160	41x41x2,5	600																									•	•	•	•							•	
	SPX414175	41x41x2,5	750																									•	•	•	•							•	
	SPX414110	41x41x2,5	1000																									•	•	•	•							•	

3. INSTALLATION DATA

3.1 GP-X

Indextrut slotted channel



Material



Steel

Coating

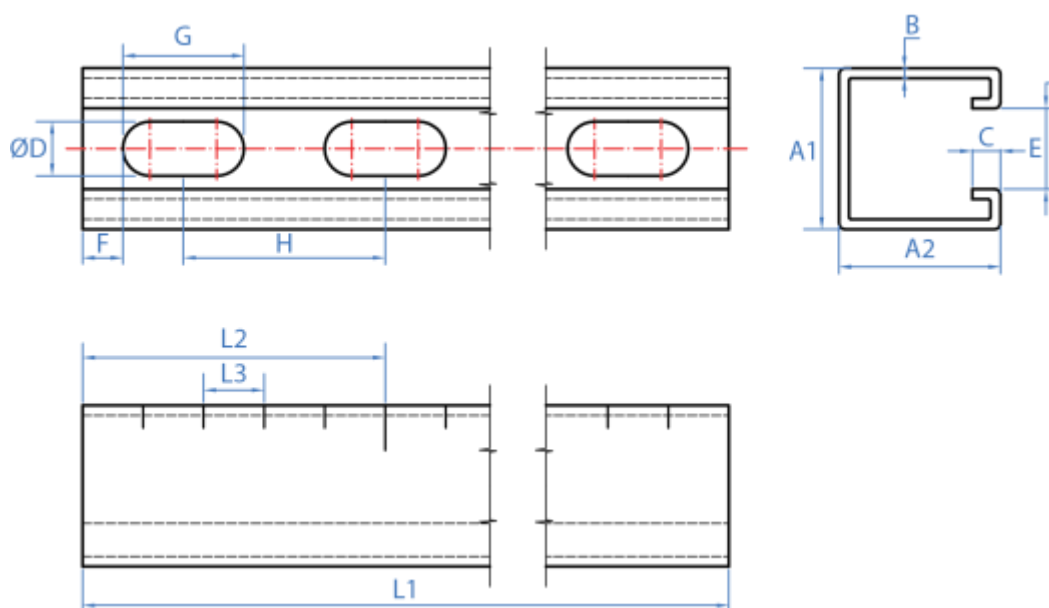


Atlantis C2-H
≥ 15µm ($\bar{x}$ = 20 µm)

Installation Data

Code	A1	A2	B	C	ØD	E	F	G	H	L1	L2	L3		
GPX412115	41	21	1,5	7	14	22,3	10	30	50	3000	100	20		
GPX412120			2,0											
GPX412125			2,5											
GPX414115		41	1,5							2000				
GPX414120			2,0											
GPX414125			2,5											
GPX2M412120		21	2,0							2000				
GPX2M414120		41	2,0											

Drawing



Resistances

Check section 5. LOADS AND DESIGN HYPOTHESIS

3.2 SP-X

Indextrut perforated cantilever



Material



Steel

Coating

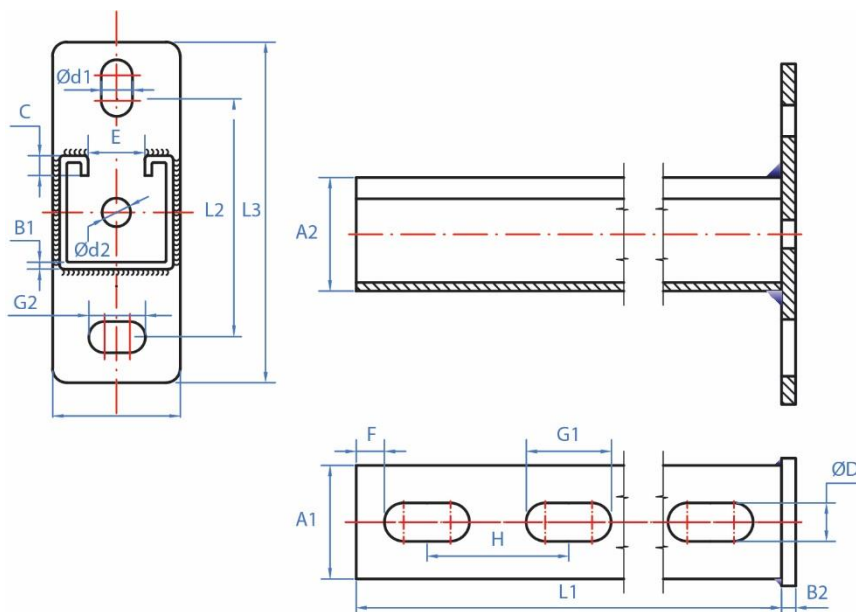


Zinc-plated

Installation Data

Code	A1	A2	B1	B2	C	ØD	Ød1	Ød2	E	F	G1	G2	H	L1	L2	L3											
SPX412115	41	21	2,5	5	7	14	13	10	22,3	10	30	22	50	150	70	110											
SPX412130														300													
SPX412145														450													
SPX414115		41												2,5	5	7	14	13	10	22,3	10	30	22	50	150	90	132
SPX414130																									300		
SPX414145																									450		
SPX414160																									600		
SPX414175																									750		
SPX414110																									1000		

Drawing

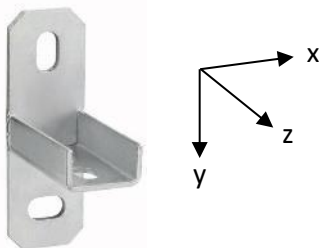


Resistances

Check section 5. LOADS AND DESIGN HYPOTHESIS

3.3 SP-HX

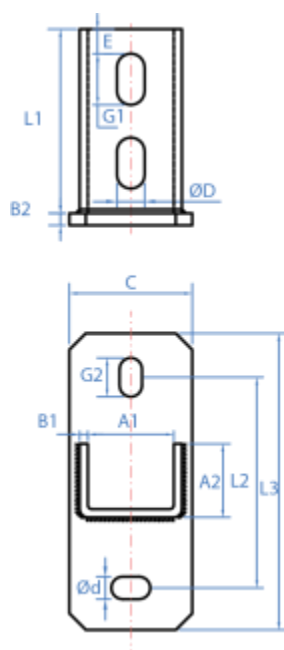
Indextrut Horizontal channel support

	Material	Coating	Valid for
	 Steel	 Zinc-plated	 Indextrut slotted channel

Installation Data

Code	A1	A2	B1	B2	C	ØD	Ød	E	G1	G2	L1	L2	L3
SPGH3840	42	35	4	6	60	13,5	11	12	25	16	90	103	145

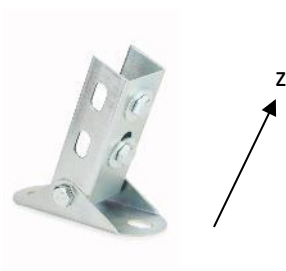
Drawing



Código	Carga máxima recomendada eje X [kg]	Carga máxima recomendada eje Y [kg]	Carga máxima recomendada eje Z [kg]
SPGH3840	430	95	40

3.4 PR-X

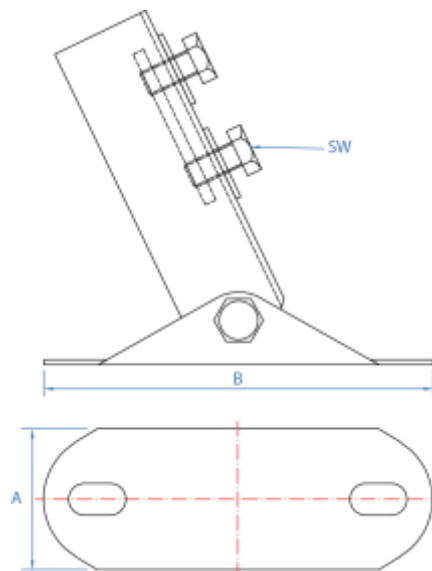
Indextrut adjustable support

	Material	Coating	Valid for
	 Steel	 Zinc-plated	 Indextrut slotted channel

Installation Data

Code	A	B	SW	Maximum recommended loads [kg]
PRX01	56	152,5	17	560

Drawing



Code	Maximum recommended load Z axis [kg]
PRX01	50

3.5 SP-RX

Rectangular U base support Indextrut

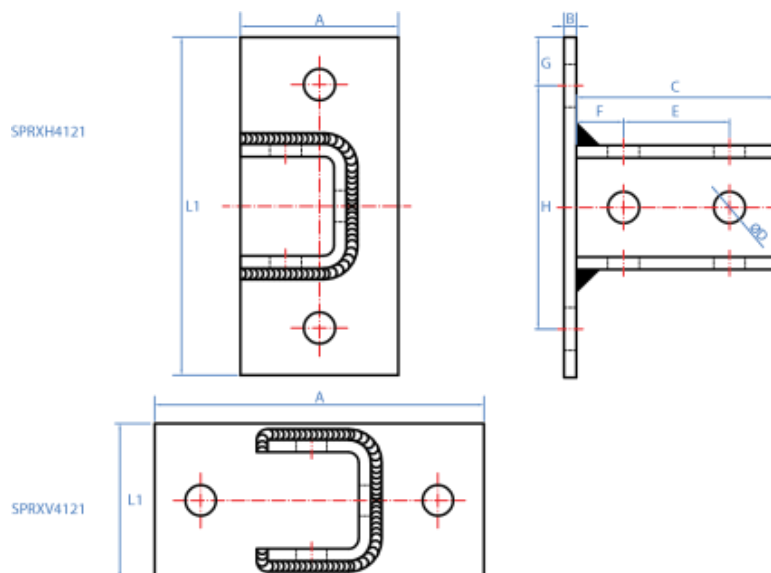


Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	L1	A	B	C	ØD	E	F	G	H
SPRXH4121	150	70	5	90	14	48	21	22,5	105
SPRXV4121	70	150	5	90	14	48	21	22,5	105

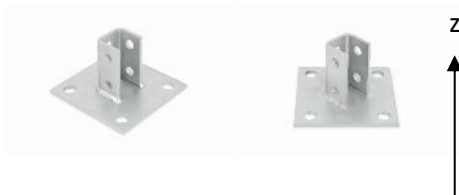
Drawing



Code	Maximum recommended load Z axis [kg]
SPRXH4121	600
SPRXV4121	

3.6 SP-UX

Support U base Indextrut

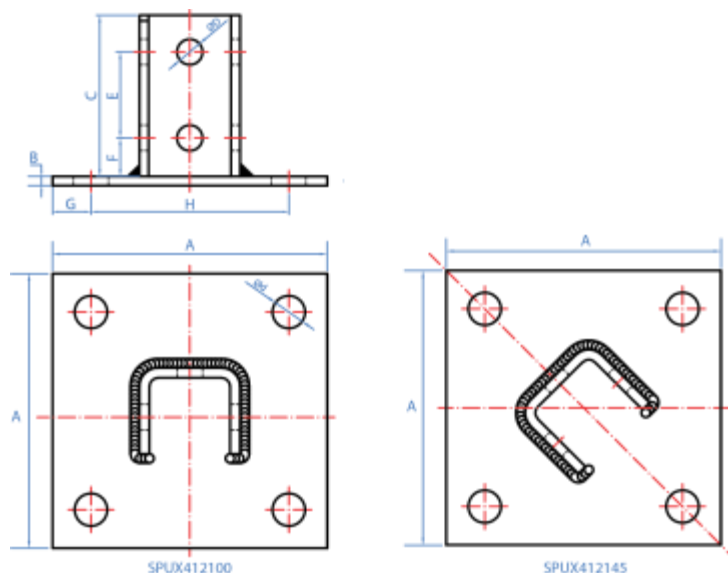


Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	A	B	C	ØD	E	F	G	H
SPUX412100	150	5	90	14	48	21	22,5	105
SPUX412145	150	5	90	14	48	21	22,5	105

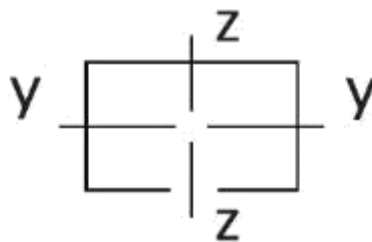
Drawing



Code	Maximum recommended load Z axis [kg]
SPUX412100	600
SPUX412145	

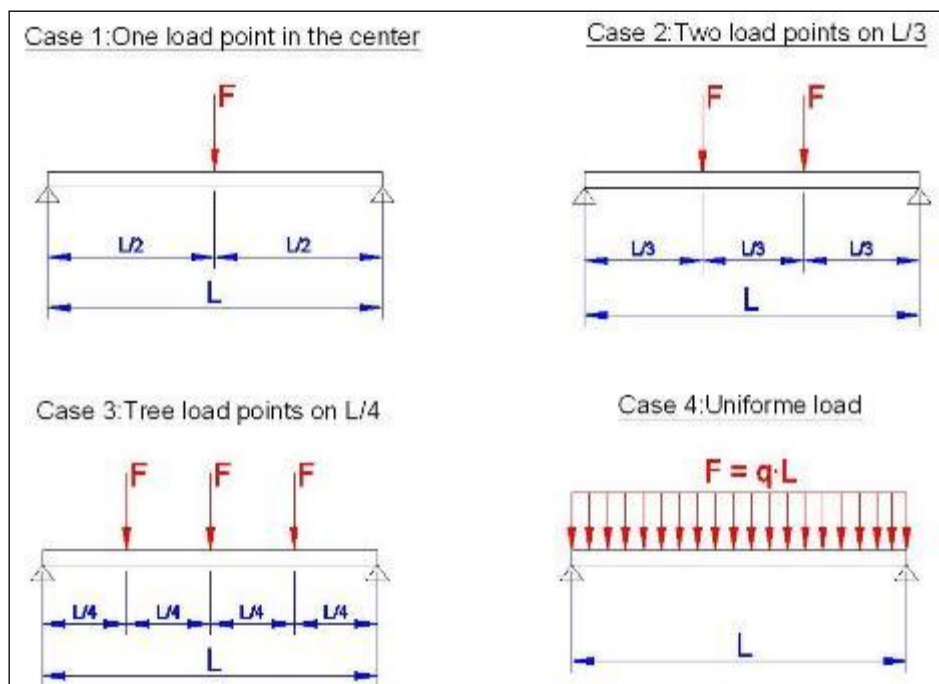
4. GEOMETRIC DATA

REFERENCIA	SECTION	WEIGHT	AREA	MOMENT OF INERTIA (I_y)	MOMENT OF INERTIA (I_z)	RESISTANT MODULE (W_y)	RESISTANT MODULE (W_z)
	[mm x mm]	[Kg/m]	[cm ²]	[cm ⁴]	[cm ⁴]	[cm ³]	[cm ³]
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
SPX412115	41 x 21	1,88	2.28	1.32	5.54	1.03	2.70
SPX412130	41 x 21	1,88	2.28	1.32	5.54	1.03	2.70
SPX412145	41 x 21	1,88	2.28	1.32	5.54	1.03	2.70
SPX414115	41 x 41	2,70	3.28	7.08	9.25	2.98	4.51
SPX414130	41 x 41	2,70	3.28	7.08	9.25	2.98	4.51
SPX414145	41 x 41	2,70	3.28	7.08	9.25	2.98	4.51
SPX414160	41 x 41	2,70	3.28	7.08	9.25	2.98	4.51
SPX414175	41 x 41	2,70	3.28	7.08	9.25	2.98	4.51
SPX414110	41 x 41	2,70	3.28	7.08	9.25	2.98	4.51

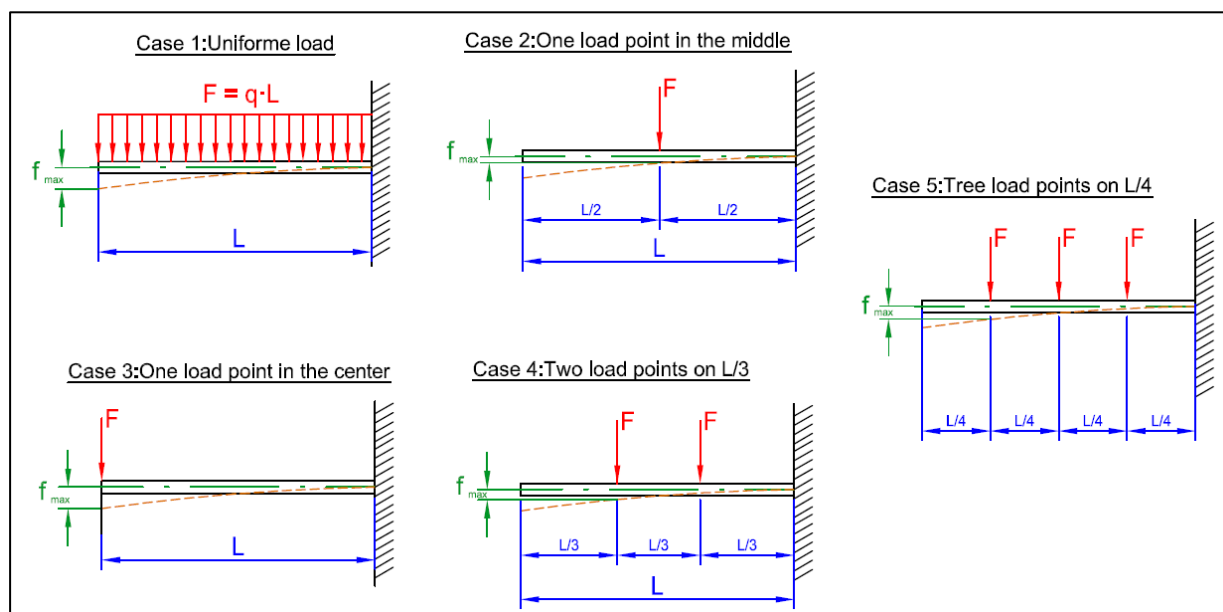


5. LOAD AND DESIGN HIPOTESIS

LOAD AND DESIGN HIPOTESIS FOR SLOTTED CHANNELS GP-X

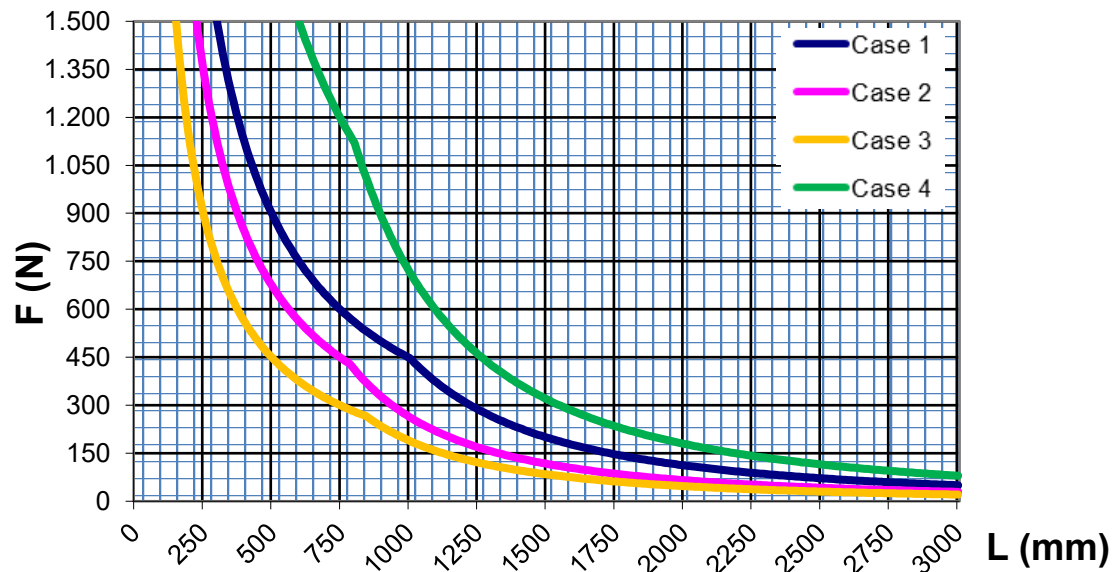


LOAD AND DESIGN HIPOTESIS FOR CANTILEVERS SP-X

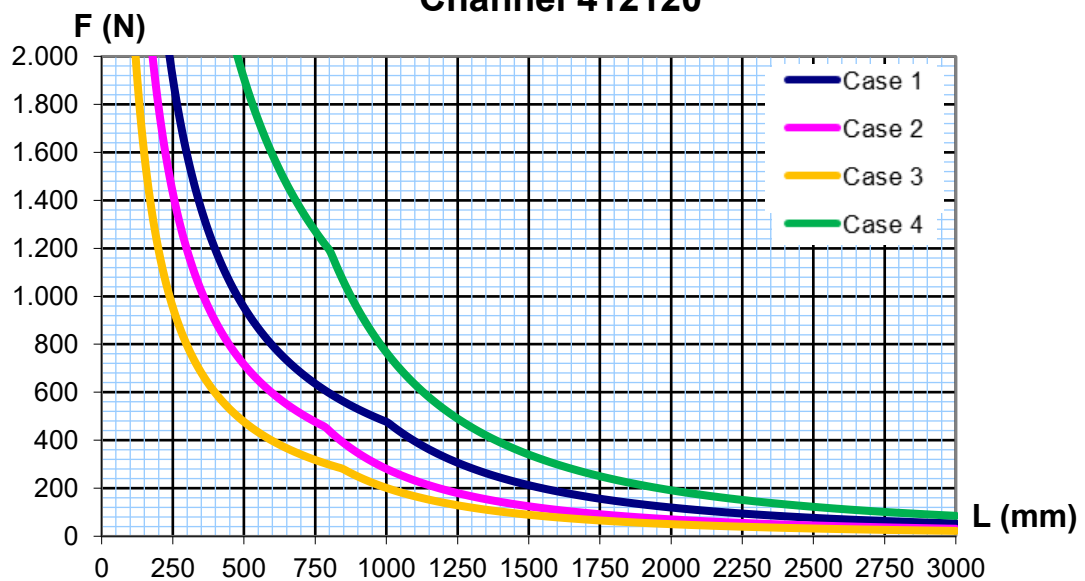


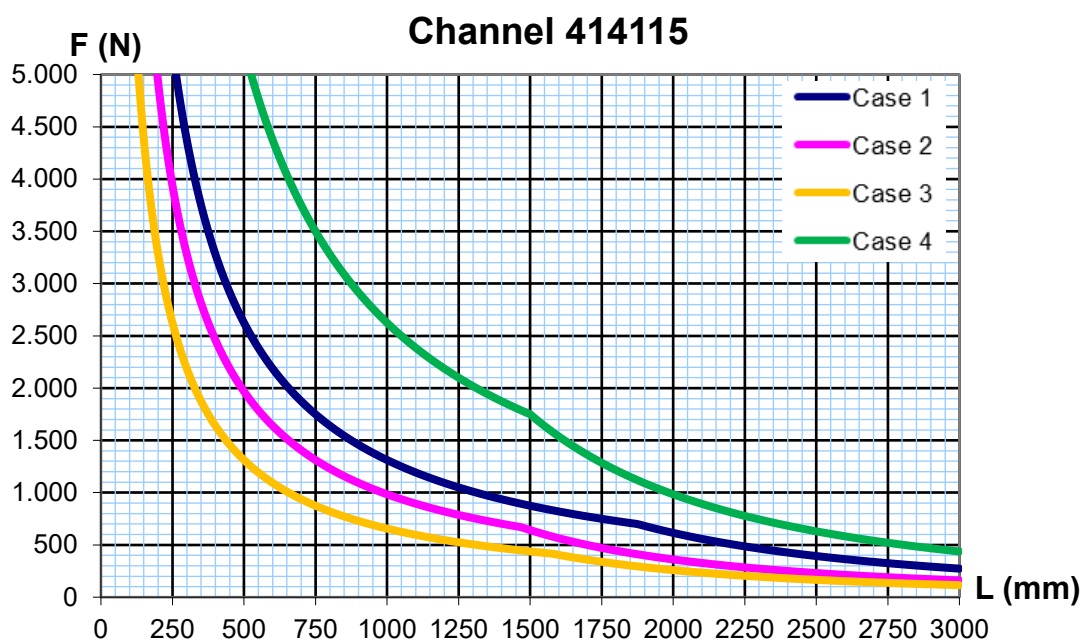
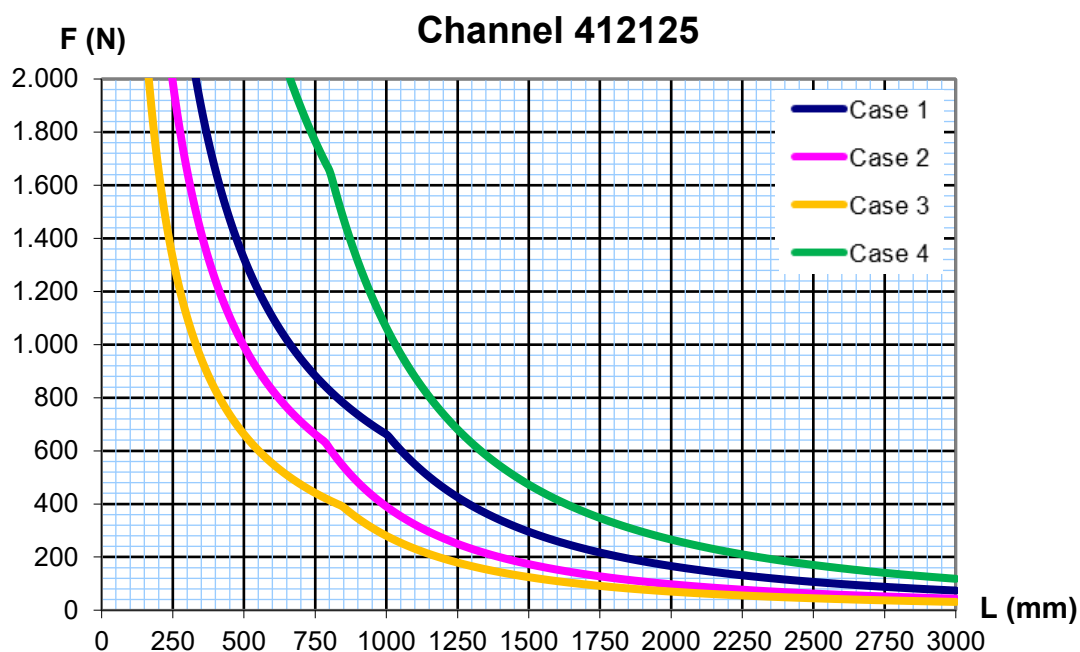
MAXIMUM RECOMMENDED LOADS FOR SLOTTED CHANNELS GP-X

Channel 412115

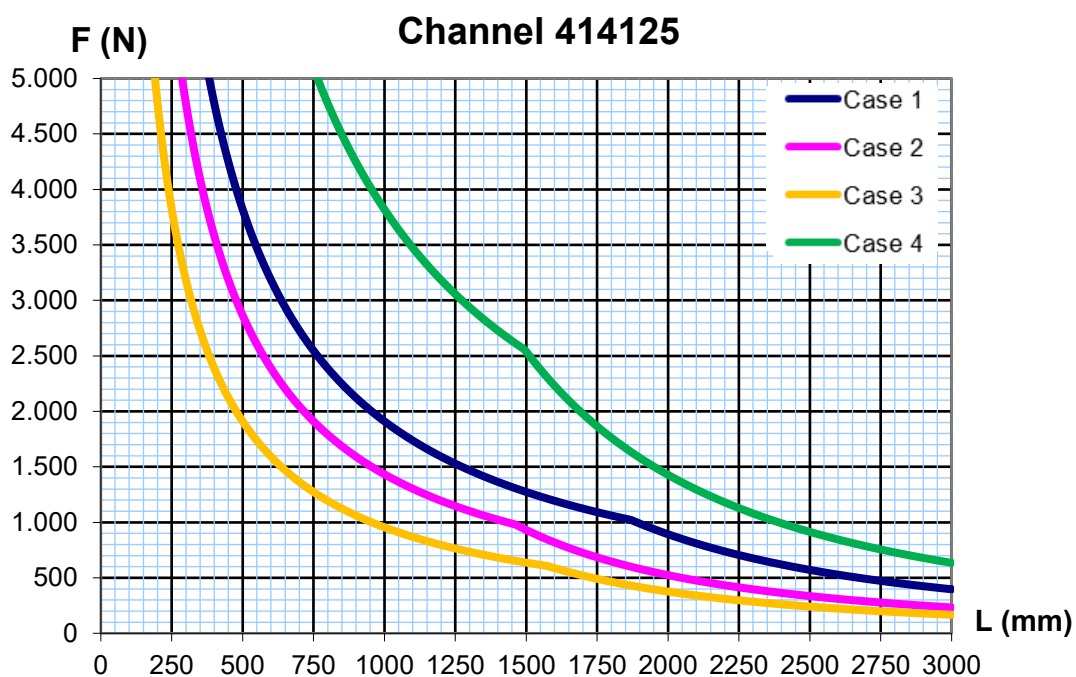
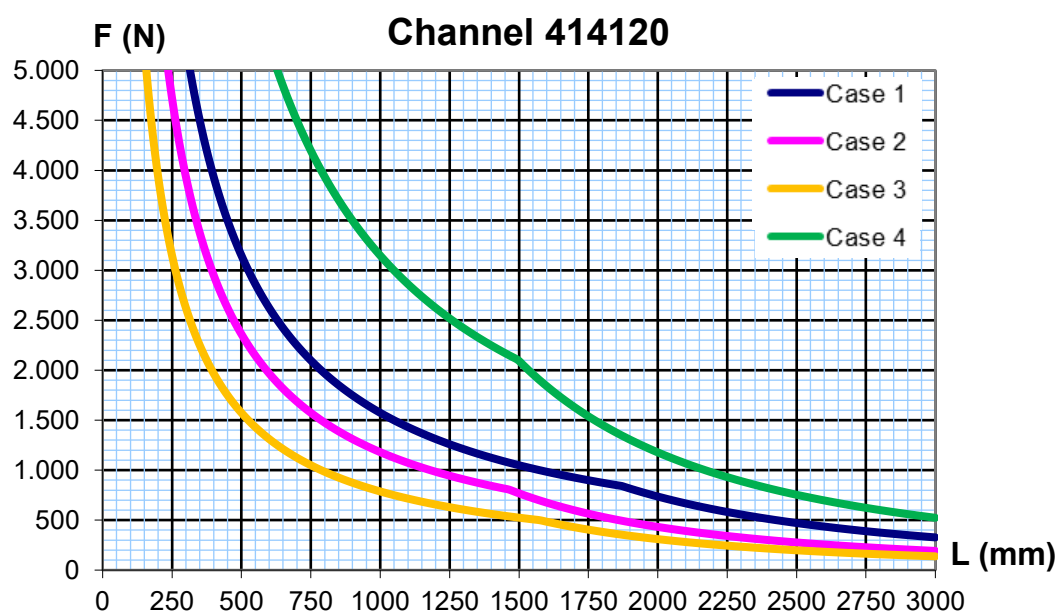


Channel 412120



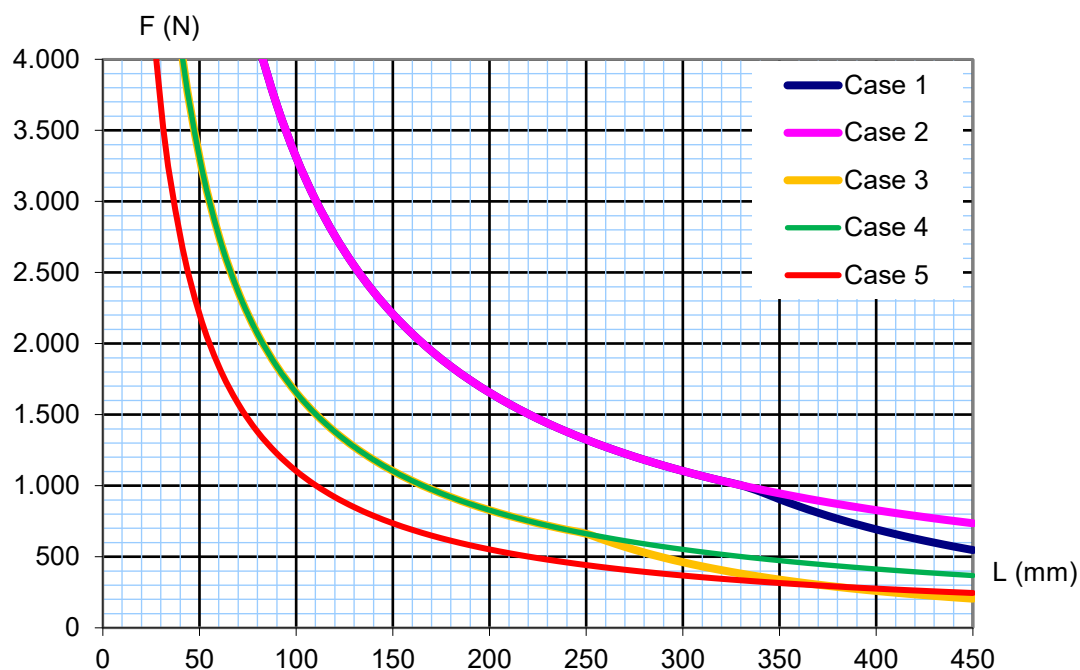


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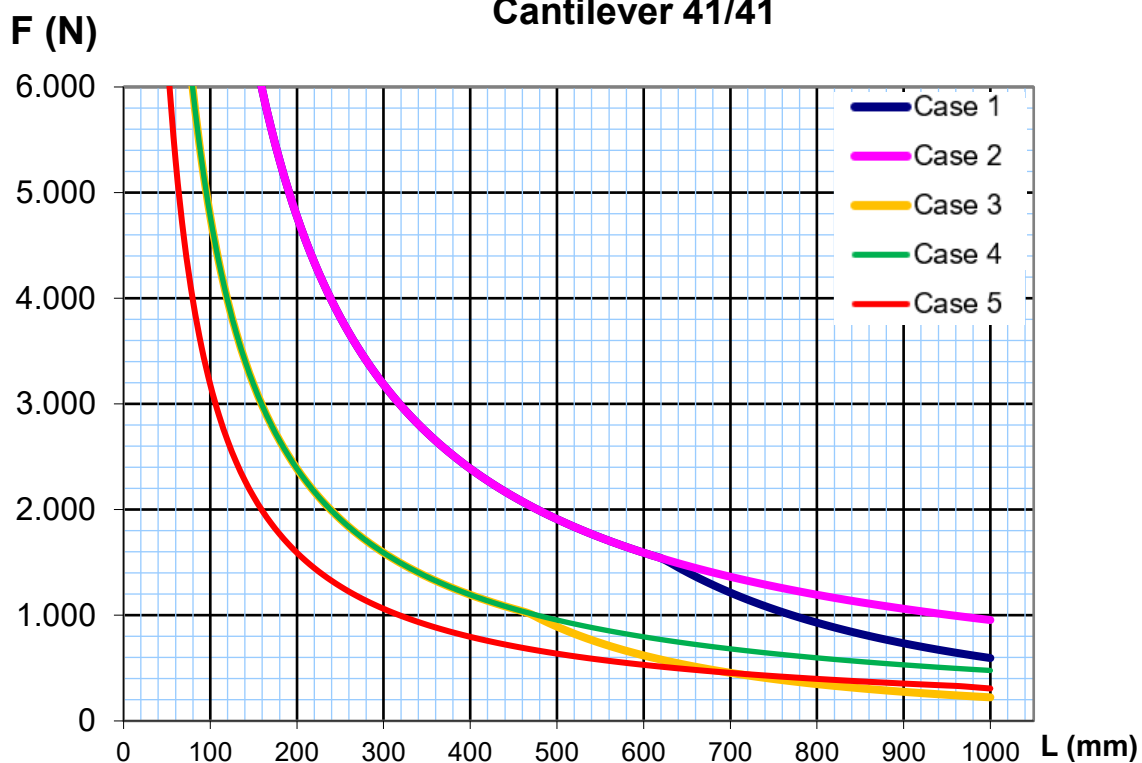


MAXIMUM RECOMMENDED LOADS FOR CANTILEVERS SP-X

Cantilever 41/21



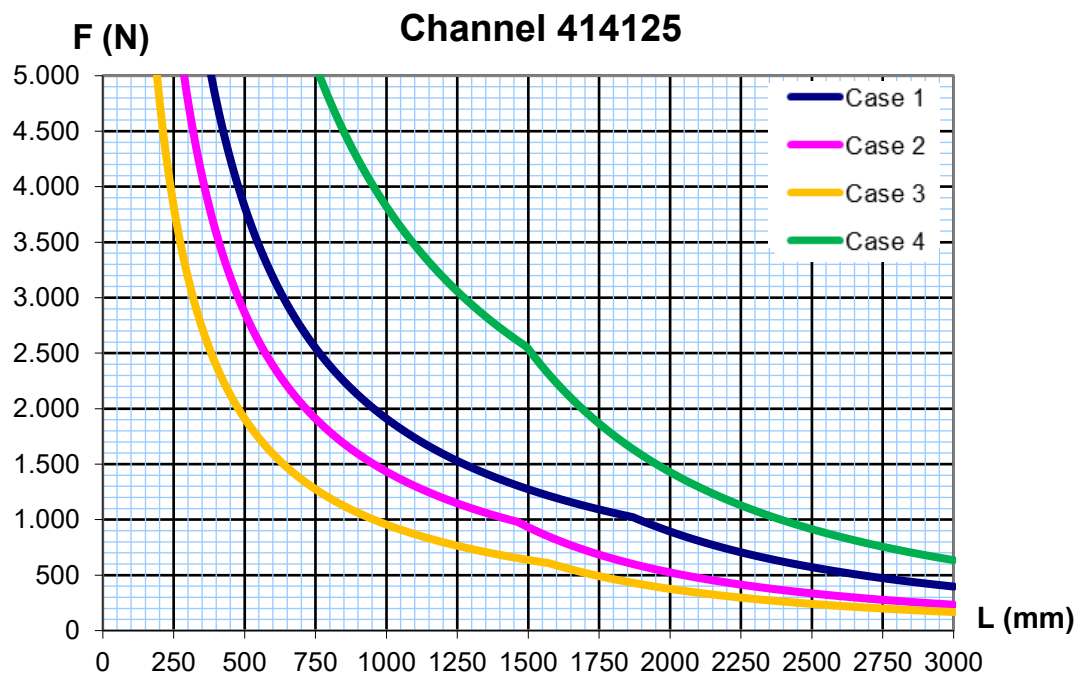
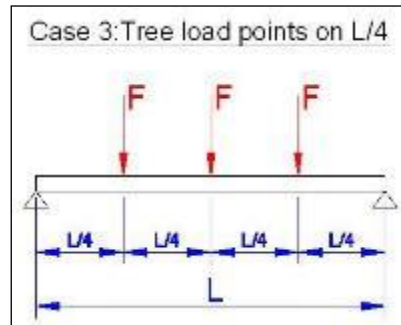
Cantilever 41/41



SLOTTED CHANNEL DESIGN EXAMPLE

Slotted channel design example:

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

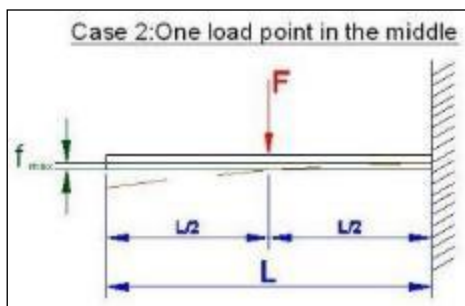


Result is an admissible load per clamp of 1.200 N (≈ 120 Kg).

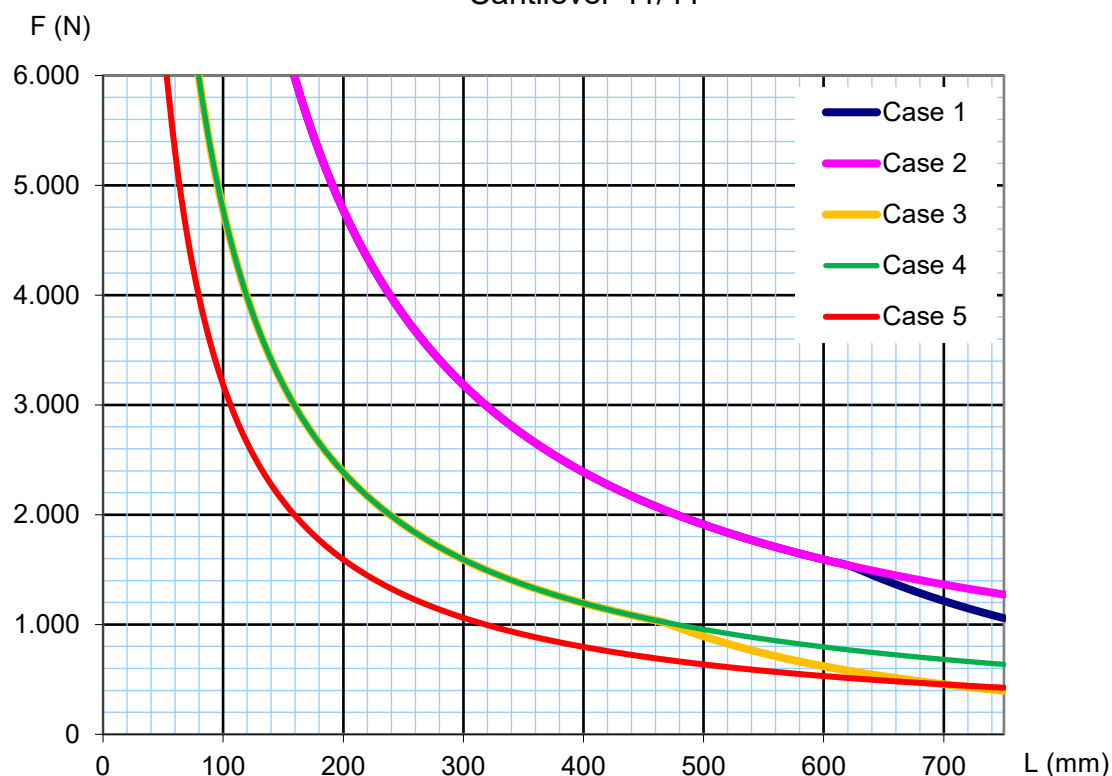
CANTILEVER DESIGN EXAMPLE

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