



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	 Pre-Galvanized ≥ 19µm
		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		
		SPX414110	Cantilever 41 x 41 x 2.50 x 1000		
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			
7		ABGX4121	Channel clamp Indextrut	 Steel	 Zinc-plated ≥ 5µm
8		EMPX4121	Connecting piece for prof indextrut	 Steel	 Zinc-plated ≥ 5µm
9		RESX300	Reinforcement support indextrut	 Steel	 Zinc-plated ≥ 5µm
		RESX550			
10		RTX01	Rotule Indextrut	 Steel	 Zinc-plated ≥ 5µm
11		EMX9002	Zinc-plated fixing plates Indextrut	 Steel	 Zinc-plated ≥ 5µm
		EMX9004			
		EMX4502			
		EMX1302			

ITEM	PHOTO	REFERENCE	DESCRIPTION	MATERIAL	COATING
12		PGX4121	Profile bridges Indextrut	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
		PGX4141			
13		UNEX412103	Angled brackets / plate / T shaped Indextrut	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
		UNPX42101			
		UNPX42102			
		UNPX42103			
		UNPX42104			
		UNTX412104			
14		SCRX090	Heavy duty angled bracket	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
15		TUGX08	Channel nut	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
		TUGX10			
16		TUGXMU08	Channel spring nut Indextrut	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
		TUGXMU10			
17		TGX0840	Profile buffer screws Indextrut	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
		TGX0860			
		TGX1040			
		TGX1060			
18		TURX08	Nut quick fixation Indextrut	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
		TURX10			
		TURX12			
19		TURXA08	Nut Indextrut w/washer for quick fixation	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
		TURXA10			
20		TGRX0830	Indextrut fast-fixing stop screw	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
		TGRX0860			
		TGRX1030			
		TGRX1060			
21		PAEXM08	Sliding guide	 Steel	 Zinc-plated $\geq 5\mu\text{m}$
		PAEXM10			
22		SOTP4121	Plastic cap for framing systems	 Polypropylene	--
		SOTP4141			
23		SOPG41	Isophonic rubber profile	EPDM RUBBER	--

2. INSTALLATION DATA

2.1 GP-X

Indextrut slotted channel



Material



Steel

Coating

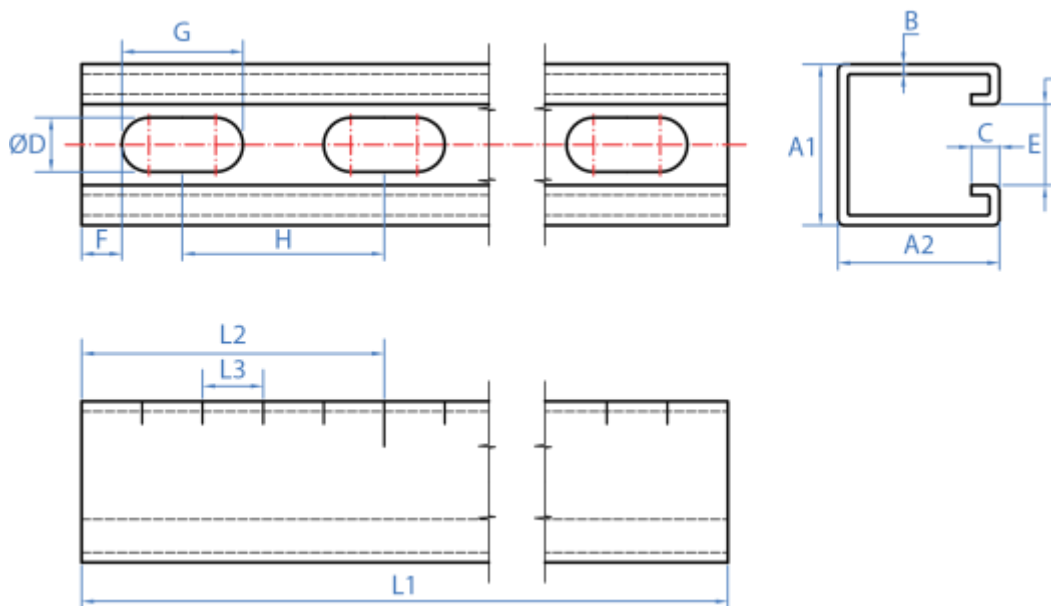


Coating Pre-Galvanized $\geq 19\mu\text{m}$

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									
GPX414120			2,0									
GPX414125			2,5									
GPX2M412120		21	2,0							2000		
GPX2M414120		41	2,0									

Drawing



2.2 SP-X

Indextrut perforated cantilever



Material



Steel

Coating

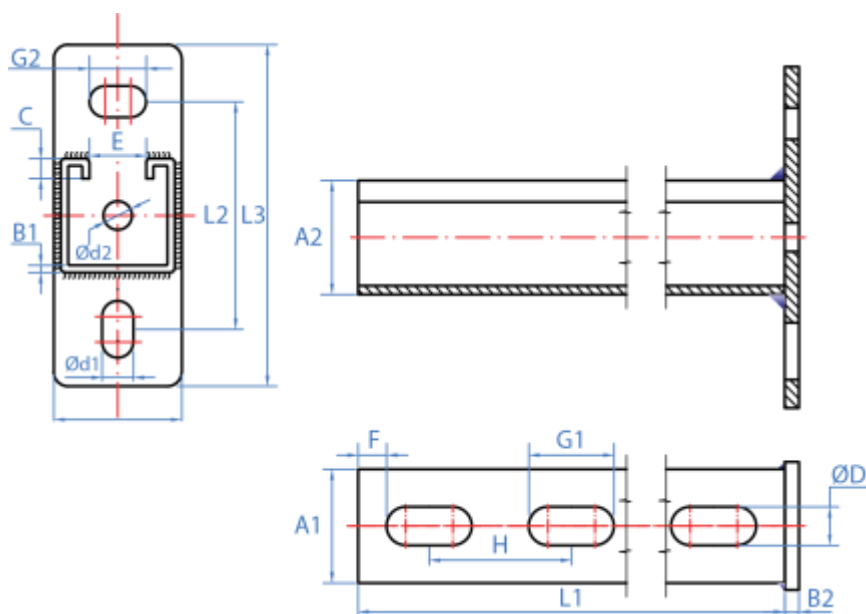


Zinc-plated

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	11	10	22,3	10	30	20	50	150	80	120
SPX412130														300		
SPX412145														450		
SPX414115		41												150		
SPX414130														300		
SPX414145														450		
SPX414160														600		
SPX414175														750		
SPX414110														1000		

Drawing



2.3 SP-HX

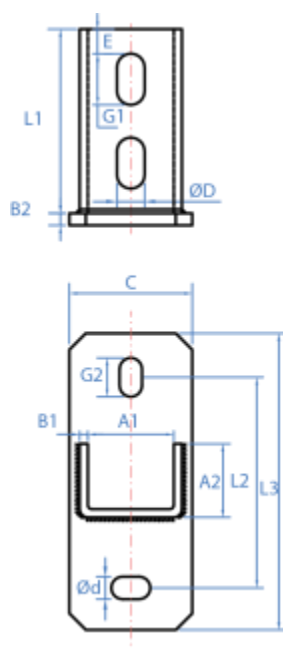
Indextrut Horizontal channel support

	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



2.4 PR-X

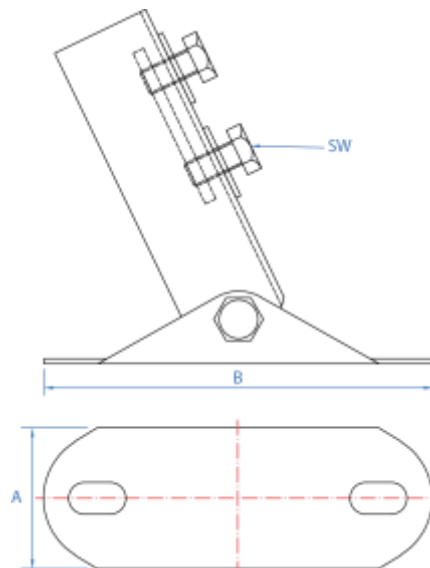
Indextrut adjustable support

	Material	Coating	Valid for
	 Steel	 Zinc-plated	 Indextrut slotted channel

Installation Data

Code	A	B	SW
PRX01	56	152,5	17

Drawing



2.5 SP-RX

Rectangular U base support Indextrut

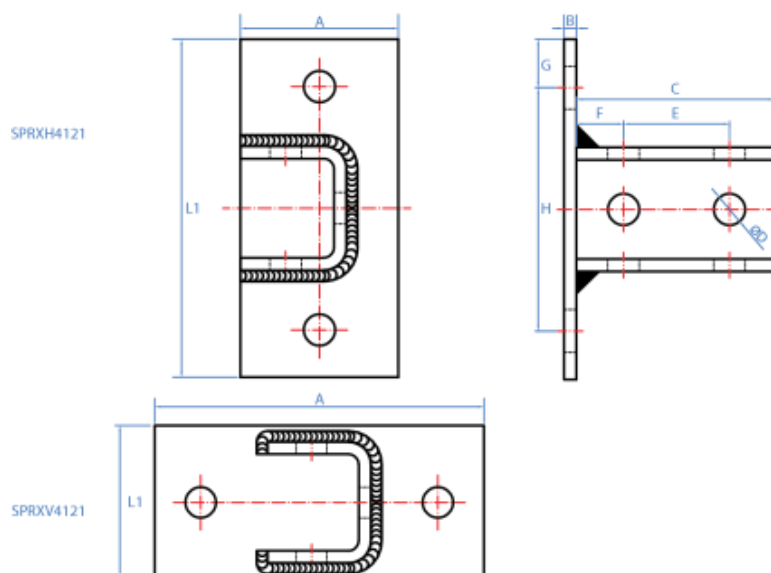


Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

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



2.6 SP-UX

Support U base Indextrut



Material



Steel

Coating



Zinc-plated

Valid for

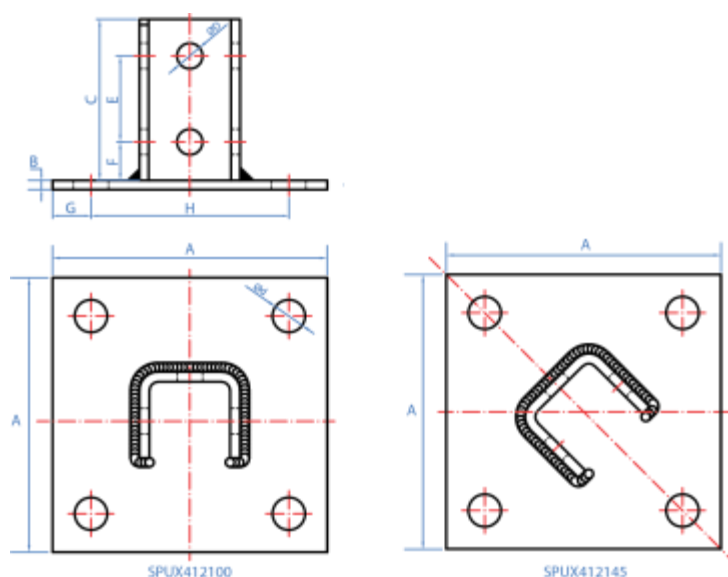


Indextrut slotted channel

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



2.7 AB-GX

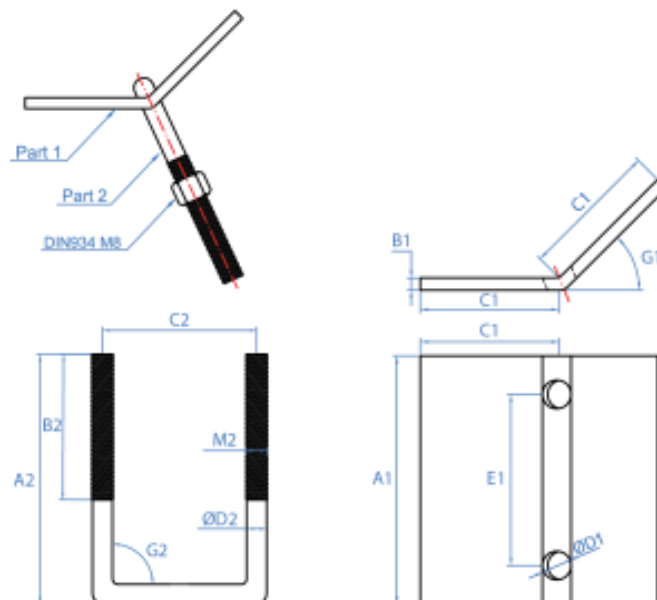
Channel clamp Indextrut

	Material	Coating	Valid for
	 Steel	 Zinc-plated	 Indextrut slotted channel

Installation Data

Code	A1	A2	B1	B2	C1	C2	ØD1	ØD2	E1	G1	G2	M2
ABGX4121	80	96	4	53	45	56	10	7	55	45	90	M8

Drawing



2.8 EMP-X

Connecting piece for profiles Indextrut

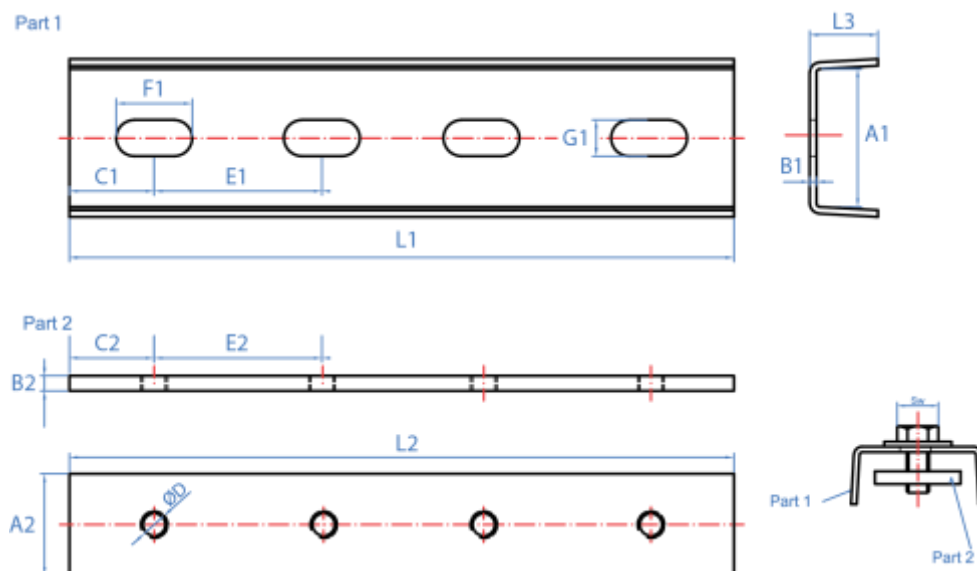


Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	A1	A2	B1	B2	C1	C2	ØD	E1	E2	F1	G1	L1	L2	L3	SW
EMPX4121	41,5	30,5	2	4,5	25	25	M8	50	50	23	11	200	200	20,5	13

Drawing



2.9 RE-SX

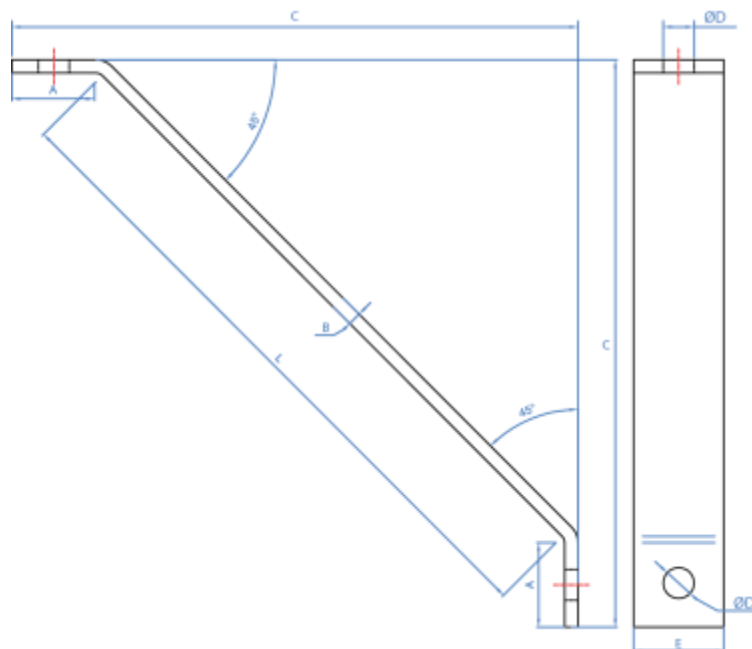
Reinforcement support indextrut

	Material	Coating	Valid for
			
	Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	L	A	B	C	ØD	E
RESX300	300	40	6	252	14	41
RESX550	550	40	6	428	14	41

Drawing



2.10 R-TX

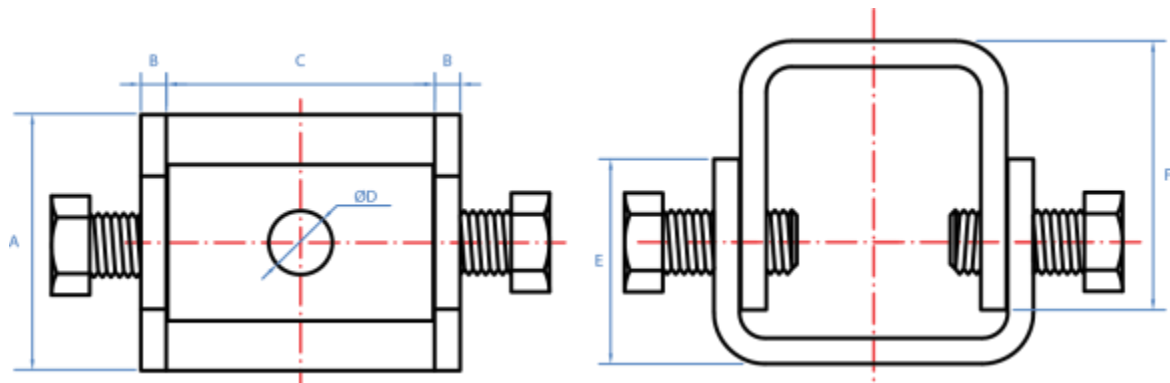
Rotule support indextrut

	Material	Coating	Valid for
	 Steel	 Zinc-plated	 Indextrut slotted channel

Installation Data

Code	A	B	C	ØD	E	F
RTX01	50	5	53	12,5	40	52

Drawing



2.11 SPEMX

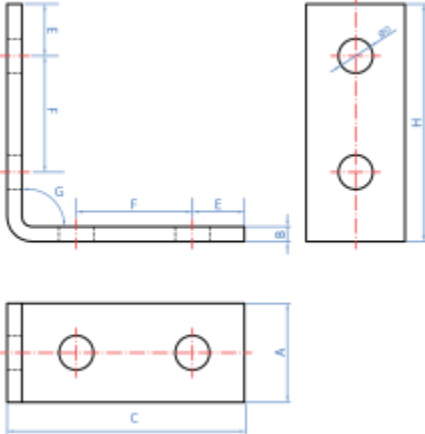
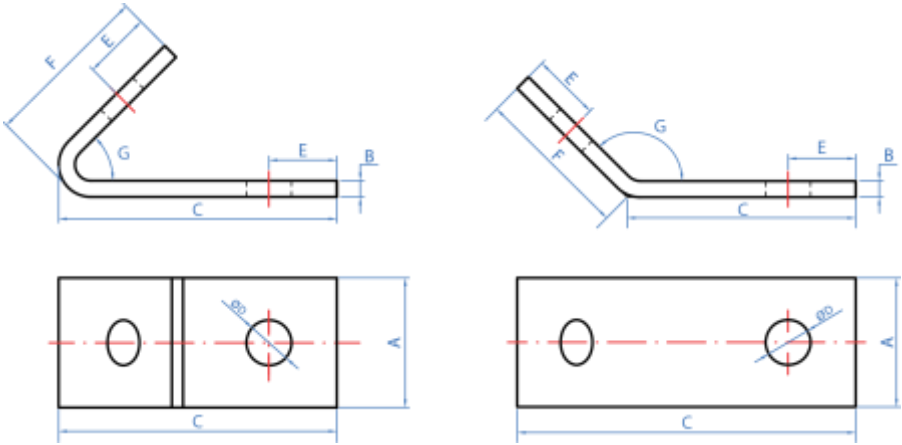
Zinc – plated fixing plates indextrut

	Material	Coating	Valid for
	 Steel	 Zinc-plated	 Indextrut slotted channel

Installation Data

Code	A	B	C	ØD	E	F	G	H	N° of holes
EMX9002	40	5	48	14	21	21	90°	51	2
EMX9004	40	5	95	14	21	21	90°	98	4
EMX4502	40	5	86	14	21	52	45	--	2
EMX1302	40	5	71	14	21	48	135	--	2

Drawing

EMX9000	
EMX0000	

2.12 PG-X

Profile bridges indextrut

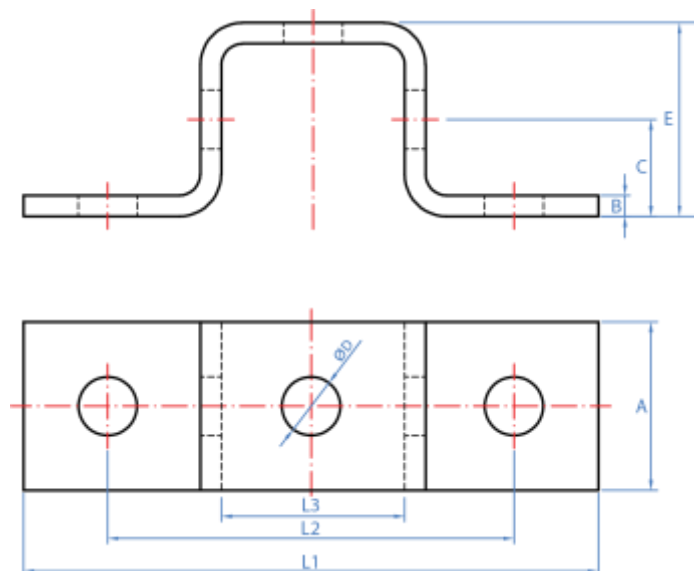


Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	A	B	C	ØD	E	L1	L2	L3	N° of holes
PGX4121	40	5	--	14	27	137	95	43	3
PGX4141	40	5	20	14	47	137	95	43	5

Drawing



2.13 UN-EX / PX / TX

Angled brackets / plate / T shaped indextrut

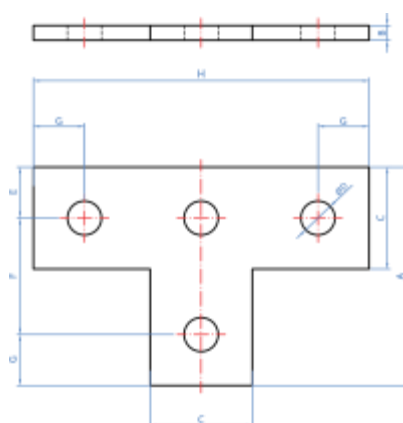
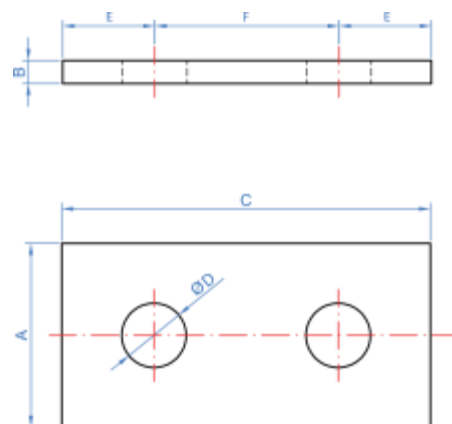
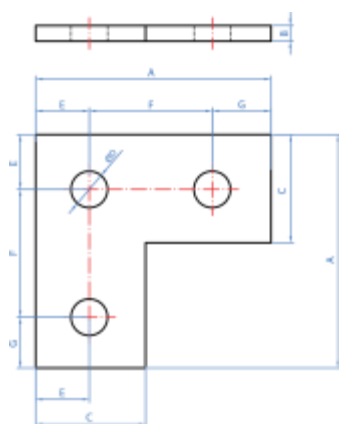


Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	A	B	C	ØD	E	F	G	H	N° of holes
UNEX412103	89	5	40	14	20	48	21	--	3
UNPX42101	40	5	40	14	20	--	--	--	1
UNPX42102	40	5	90	14	21	48	--	--	2
UNPX42103	40	5	138	14	21	48	--	--	3
UNPX42104	40	5	186	14	21	48	--	--	4
UNTX412104	89	5	40	14	20	48	21	138	4

Drawing



2.14 SC-RX

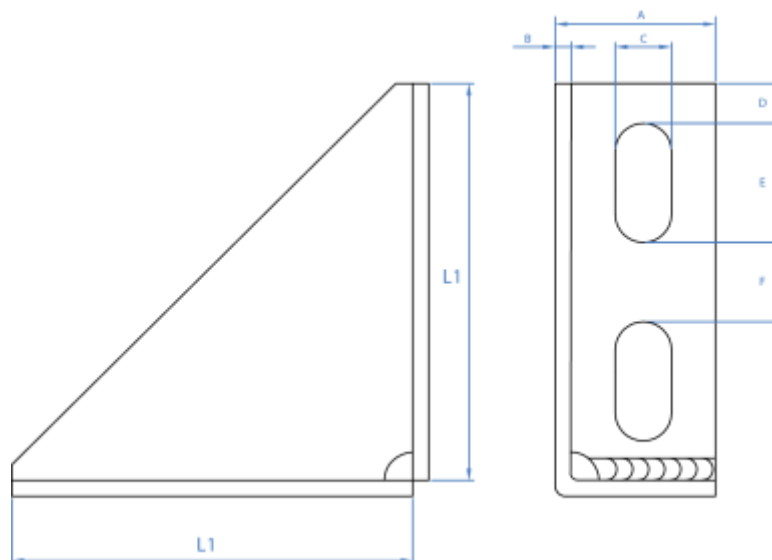
Heavy duty angled bracket

	Material	Coating	Valid for
			
	Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	A	B	C	D	E	F	L1
SCRX090	40	4	14	10	30	20	100

Drawing



2.15 TU-GX

Channel nut



Material



Steel

Coating



Zinc-plated

Valid for

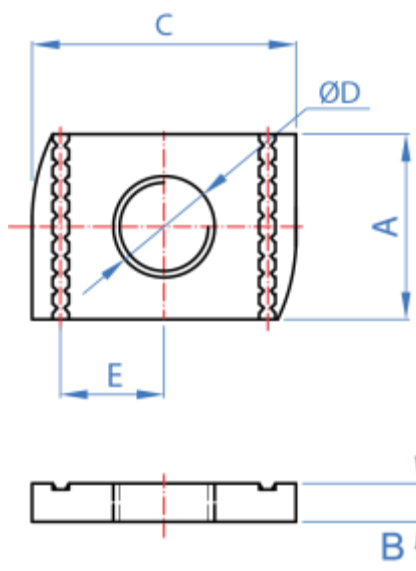


Indextrut slotted channel

Installation Data

Code	A	B	C	ØD	E
TUGX08	20	6	35	M8	12,5
TUGX10	20	8	35	M10	12,5

Drawing



Maximum recommended sliding and tension loads

Code	Channel	Installation torque [Nm]	Sliding load [kN]	Tension load [kN]
TUGX08	GPX414120	14.9	0.75	6.20
TUGX10	GPX414120	25.8	0.89	7.74
TUGX08	GPX414125	14.9	0.75	6.20
TUGX10	GPX414125	25.8	0.89	7.74

2.16 TU-MU

Channel spring nut Indextrut

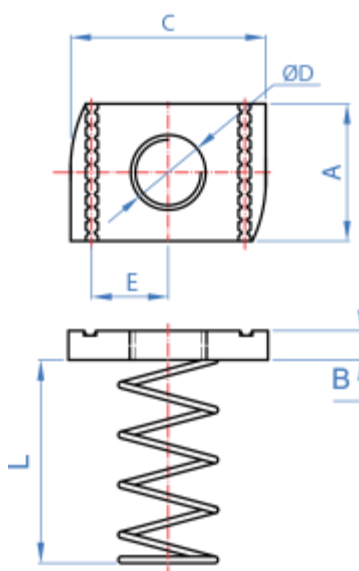


Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	A	B	C	ØD	E	L
TUGXMU08	20	6	35	M8	12,5	40
TUGXMU10	20	8	35	M10	12,5	40

Drawing



Maximum recommended sliding and tension loads

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

2.17 TG-X

Profile buffer screws Indextrut



Material



Steel

Coating



Zinc-plated

Valid for

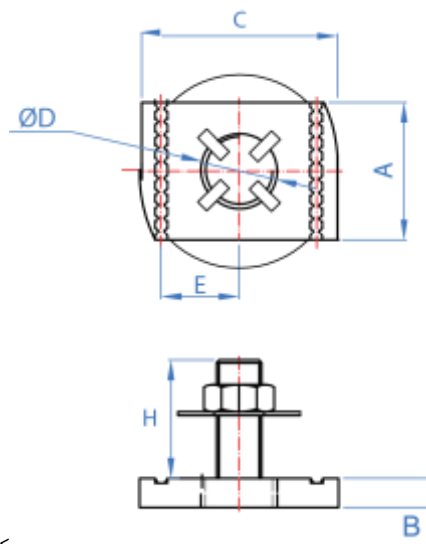


Indextrut slotted channel

Installation Data

Code	A	B	C	ØD	E	H
TGX0840	20	6	35	M8	12,5	40
TGX0860	20	6	35	M8	12,5	60
TGX1040	20	8	35	M10	12,5	40
TGX1060	20	8	35	M10	12,5	60

Drawing



Maximum recommended sliding and tension loads

Code	Channel	Installation torque [Nm]	Sliding load [kN]	Tension load [kN]
TGX0840 / TGX0860	GPX414120	14.9	0.75	6.20
TGX1040 / TGX1060	GPX414120	25.8	0.89	7.74
TGX0840 / TGX0860	GPX414125	14.9	0.75	6.20
TGX1040 / TGX1060	GPX414125	25.8	0.89	7.74

2.18 TU-RX

Quick nut fixation indextrut

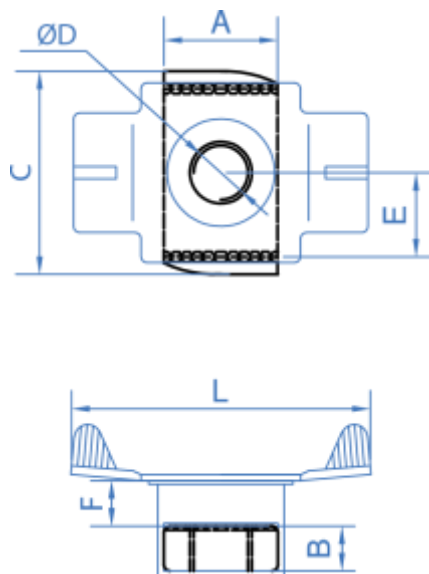


Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	A	B	C	ØD	E	F	L
TURX08	20	6	35	M8	12,5	6	50
TURX10	20	9	35	M10	12,5	6	50
TURX12	20	9	35	M12	12,5	6	50

Drawing



2.19 TU-RXA

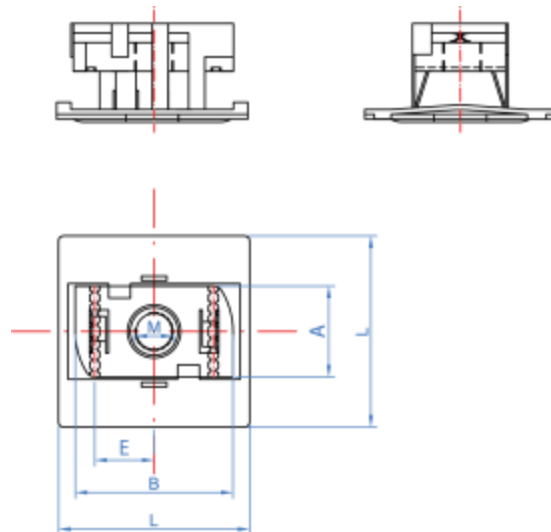
Nut indextrut w/washer quick fixation



Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

Code	A	B	E	M	L
TURXA08	19	33	12,5	M8	40
TURXA10	19	33	12,5	M10	40

Drawing



2.20 TO-GRX

Indextrut fast-fixing stop screw



Material



Steel

Coating



Zinc-plated

Valid for

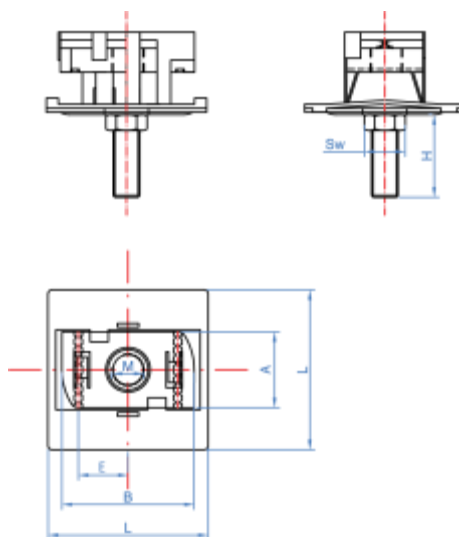


Indextrut slotted channel

Installation Data

Code	A	B	E	H	M	L	SW
TGRX0830	19	33	12,5	30	M8	40	13
TGRX0860	19	33	12,5	60	M8	40	13
TGRX1030	19	33	12,5	30	M10	40	17
TGRX1060	19	33	12,5	60	M10	40	17

Drawing



2.21 PA-EX

Sliding guide

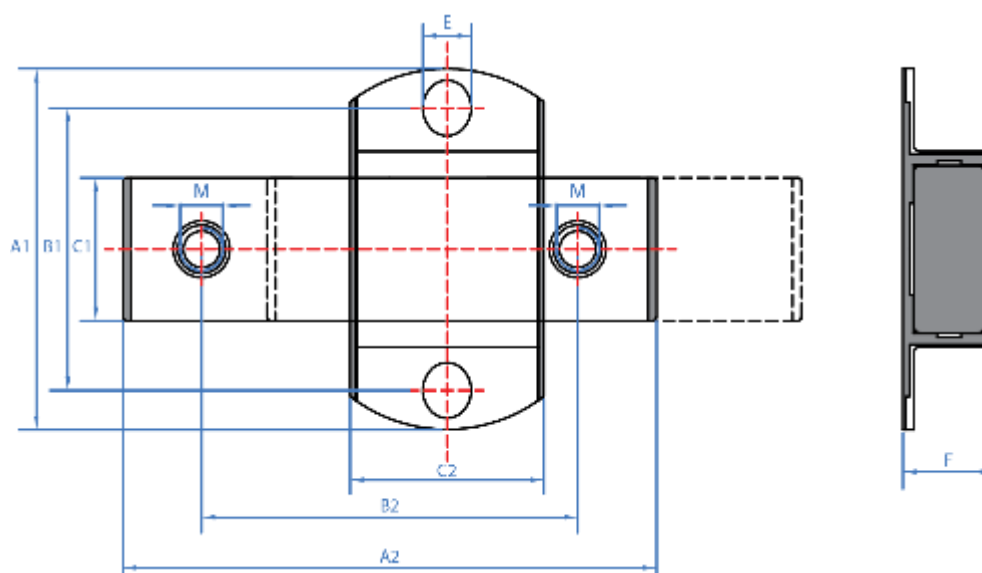


Material	Coating	Valid for
		
Steel	Zinc-plated	Indextrut slotted channel

Installation Data

Code	A1	A2	B1	B2	C1	C2	E	F	M
PAEXM08	105	180	76	120	40	45	11x13	31,5	M8
PAEXM10	105	180	76	120	40	45	11x13	31,5	M10

Drawing



2.22 SO-TP

Plastic cap for framing systems



Material



Polypropylene

Valid for

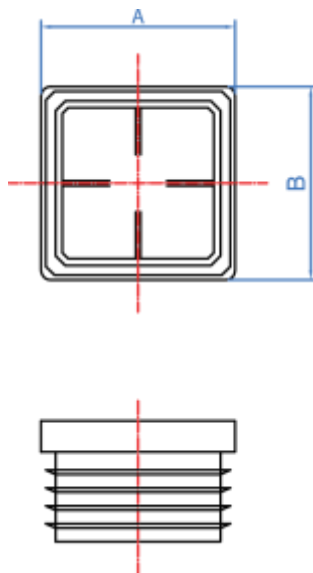


Indextrut slotted channel

Installation Data

Code	A	B
SOTP4121	41	21
SOTP4141	41	41

Drawing



2.23 SO-PG

Isophonic rubber profile



Material

EPDM RUBBER

Goma EPDM

Valid for

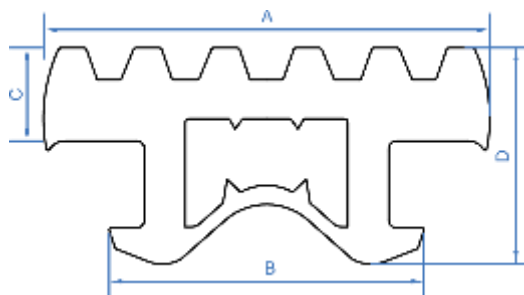


Indextrut slotted channel

Installation Data

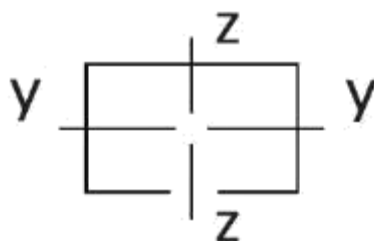
Code	A	B	C	D
SOPG41	41	25,5	8	19

Drawing



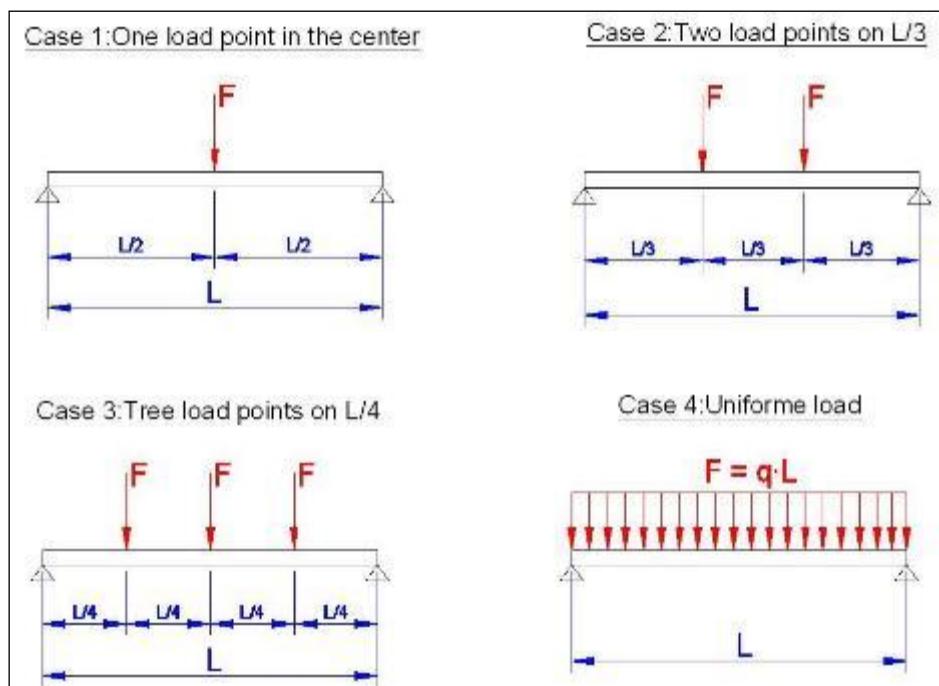
3. GEOMETRIC DATA

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

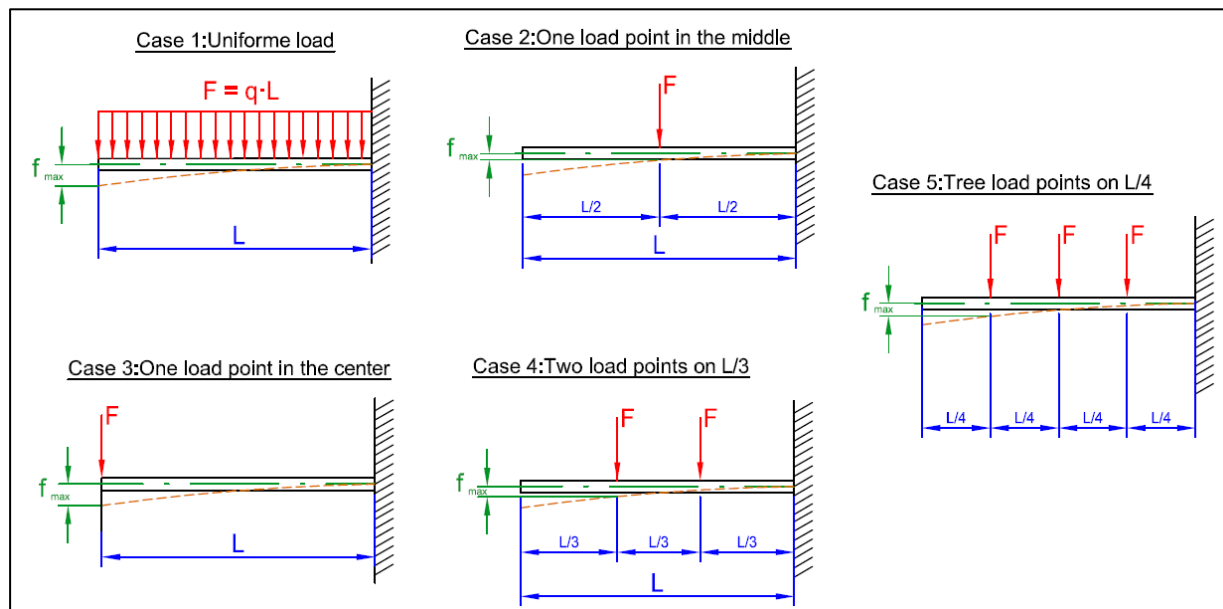


4. LOAD AND DESIGN HIPOTESIS

LOAD AND DESIGN HIPOTESIS FOR SLOTTED CHANNELS GP-X

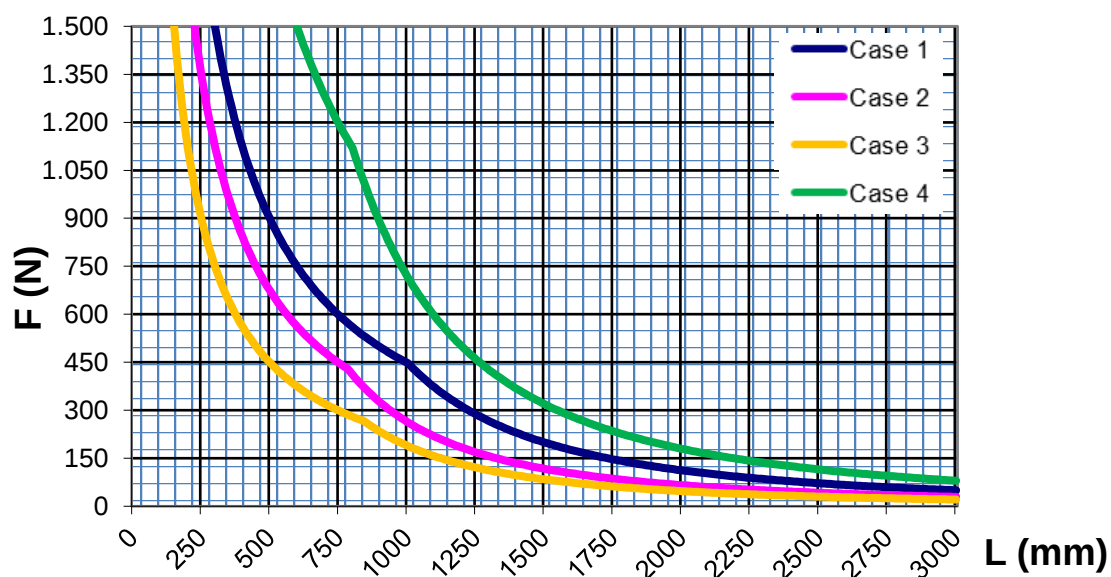


LOAD AND DESIGN HIPOTESIS FOR CANTILEVERS SP-X

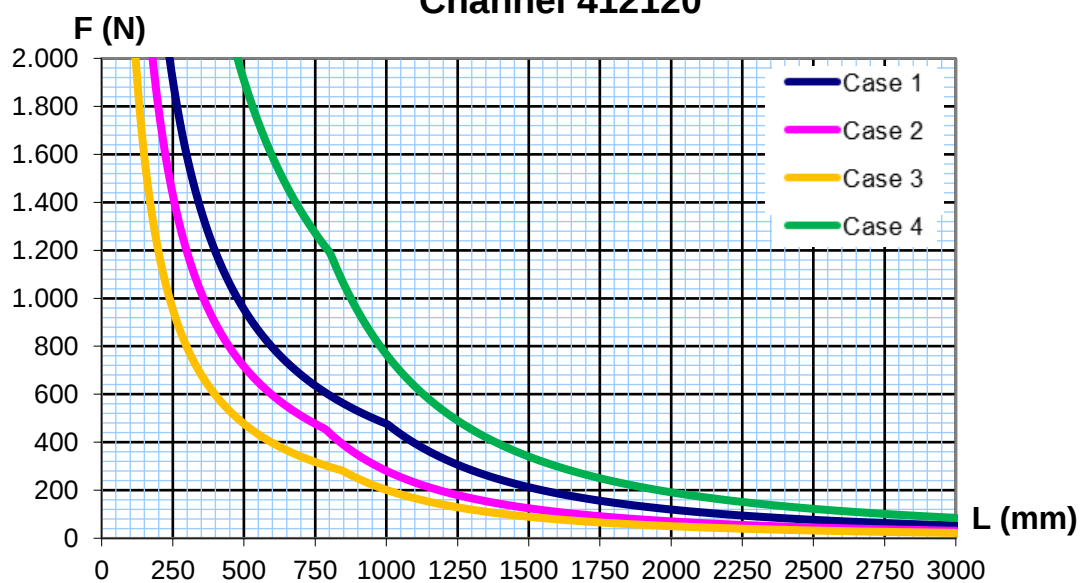


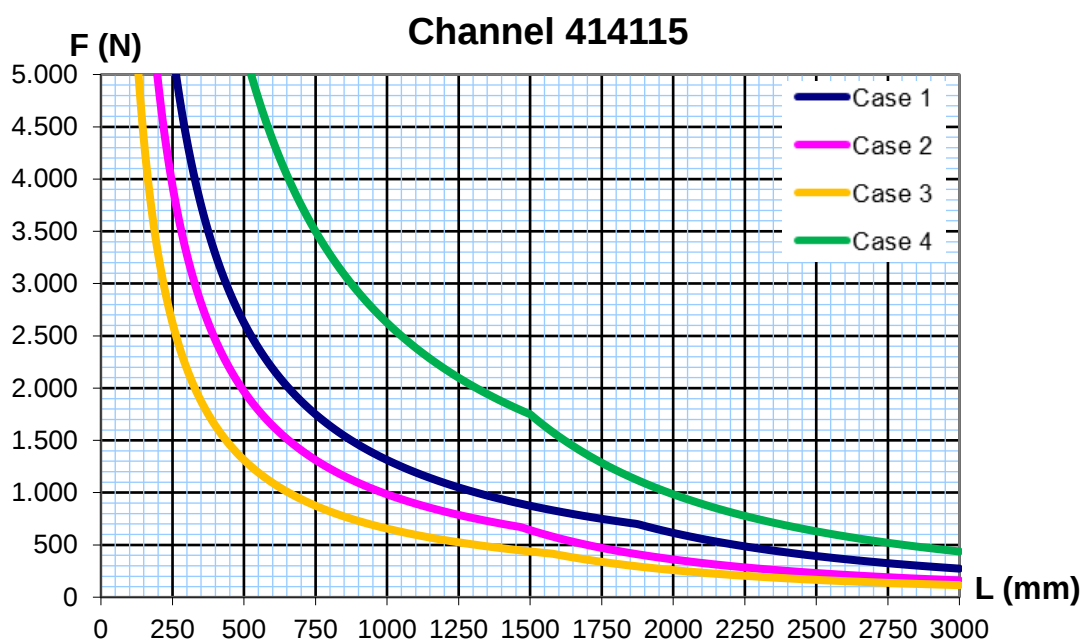
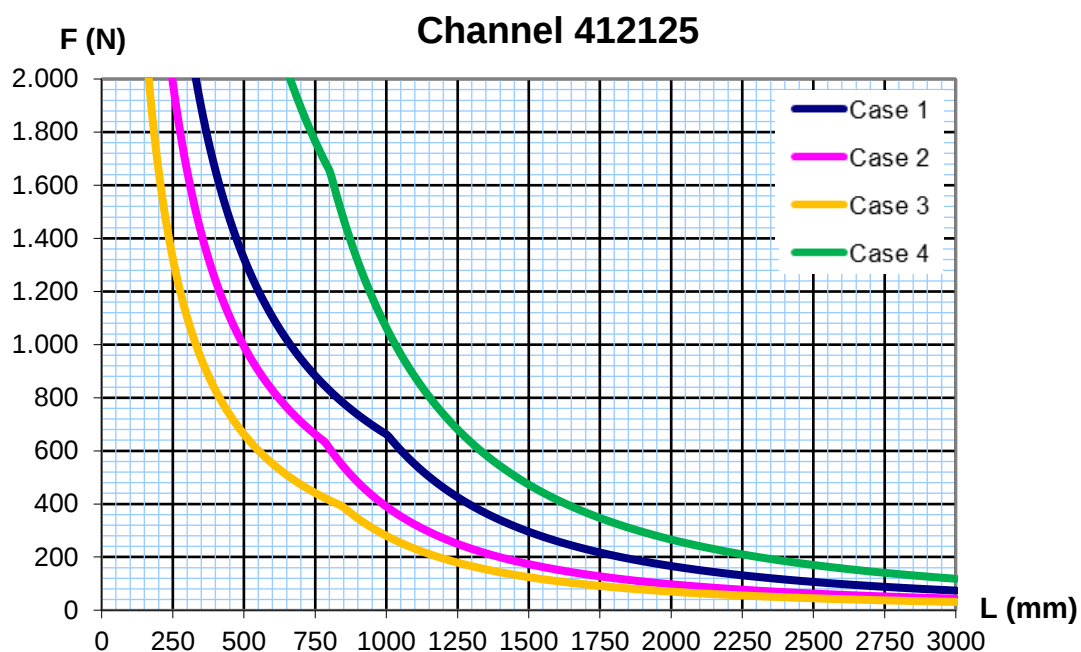
MAXIMUM RECOMMENDED LOADS FOR SLOTTED CHANNELS GP-X

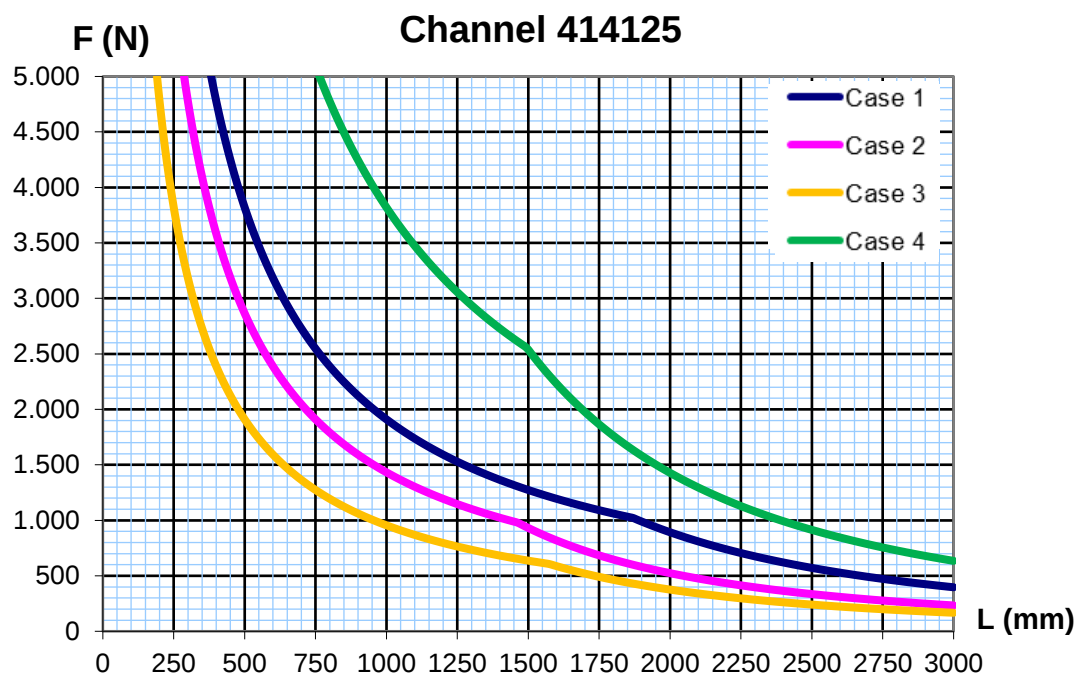
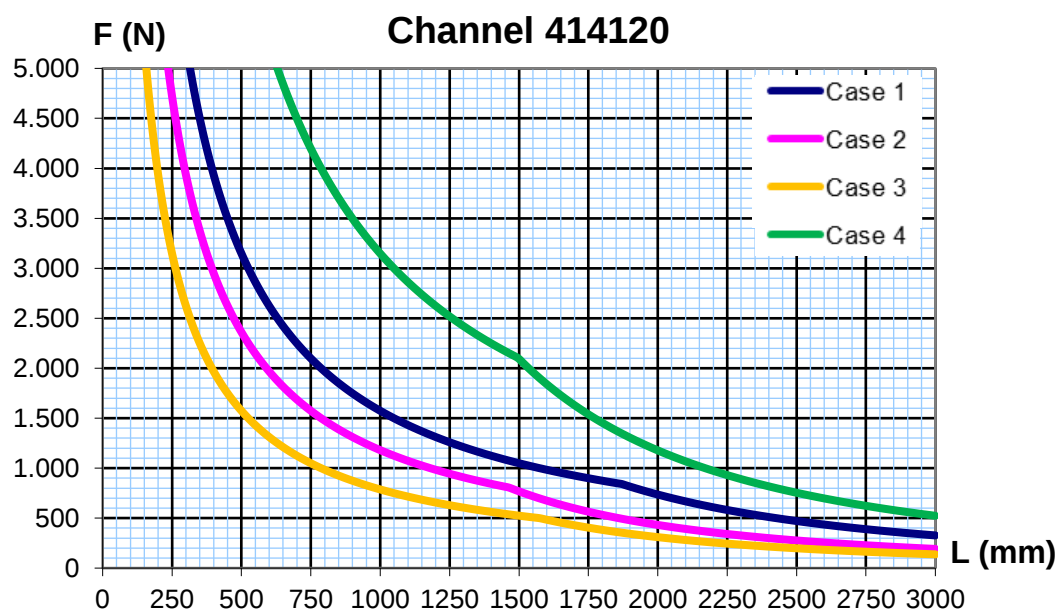
Channel 412115



Channel 412120

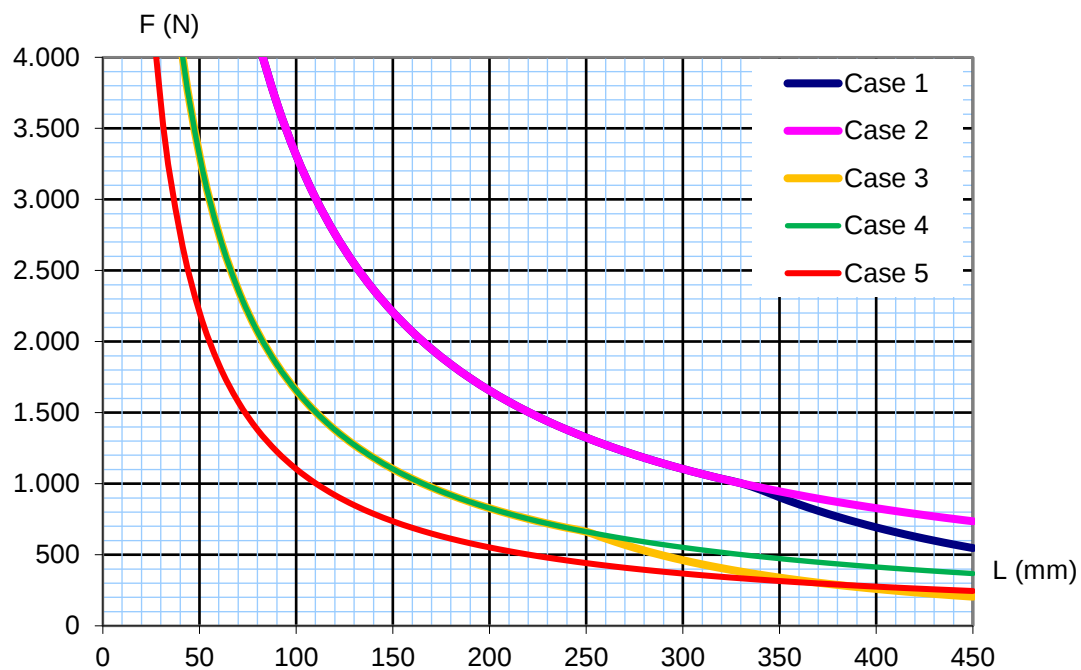




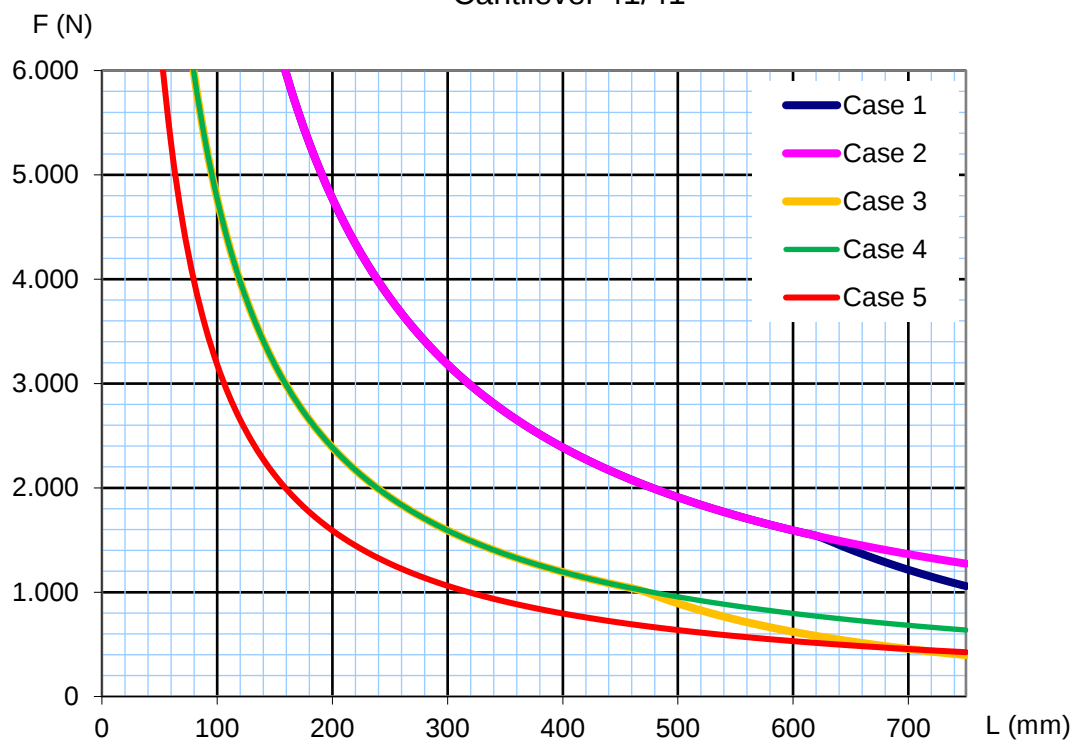


MAXIMUM RECOMMENDED LOADS FOR CANTILEVERS SP-X

Cantilever 41/21



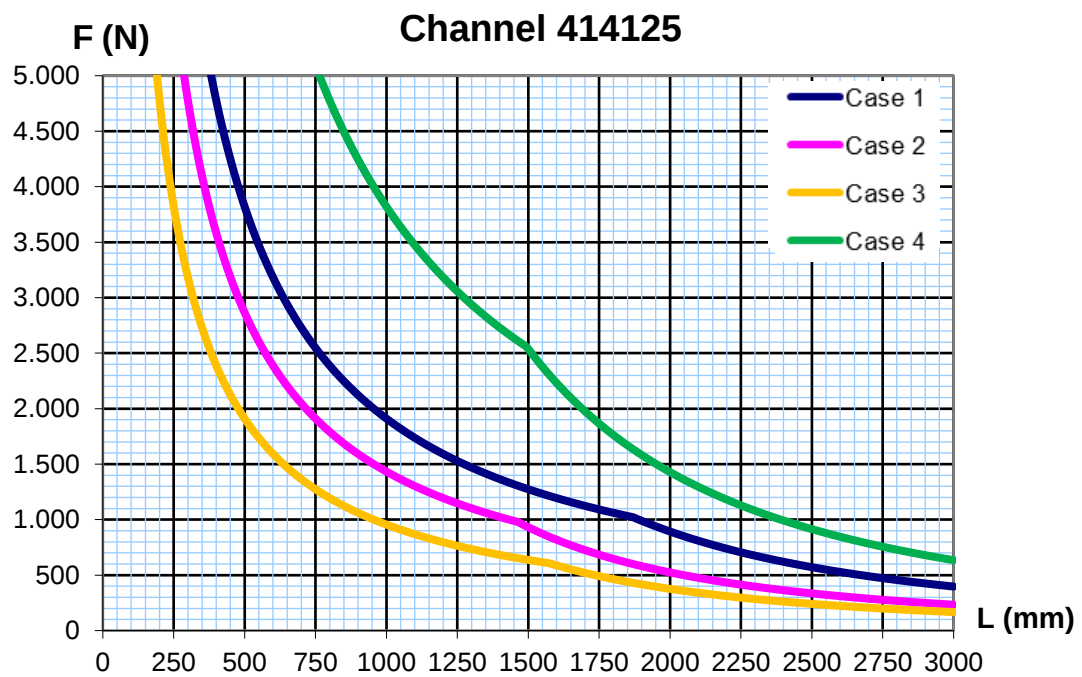
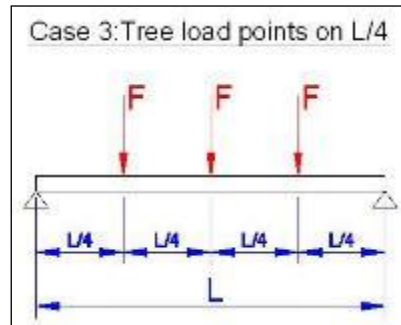
Cantilever 41/41



SLOTTED CHANNEL DESIGN EXAMPLE

Slotted channel design example:

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

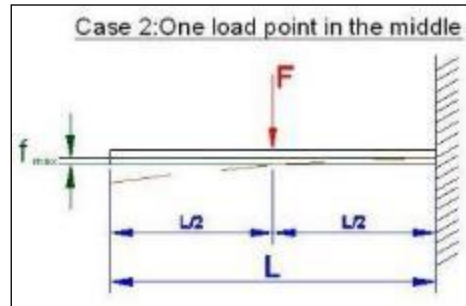


Result is an admissible load per clamp of 1.200 N (≈ 120 Kg).

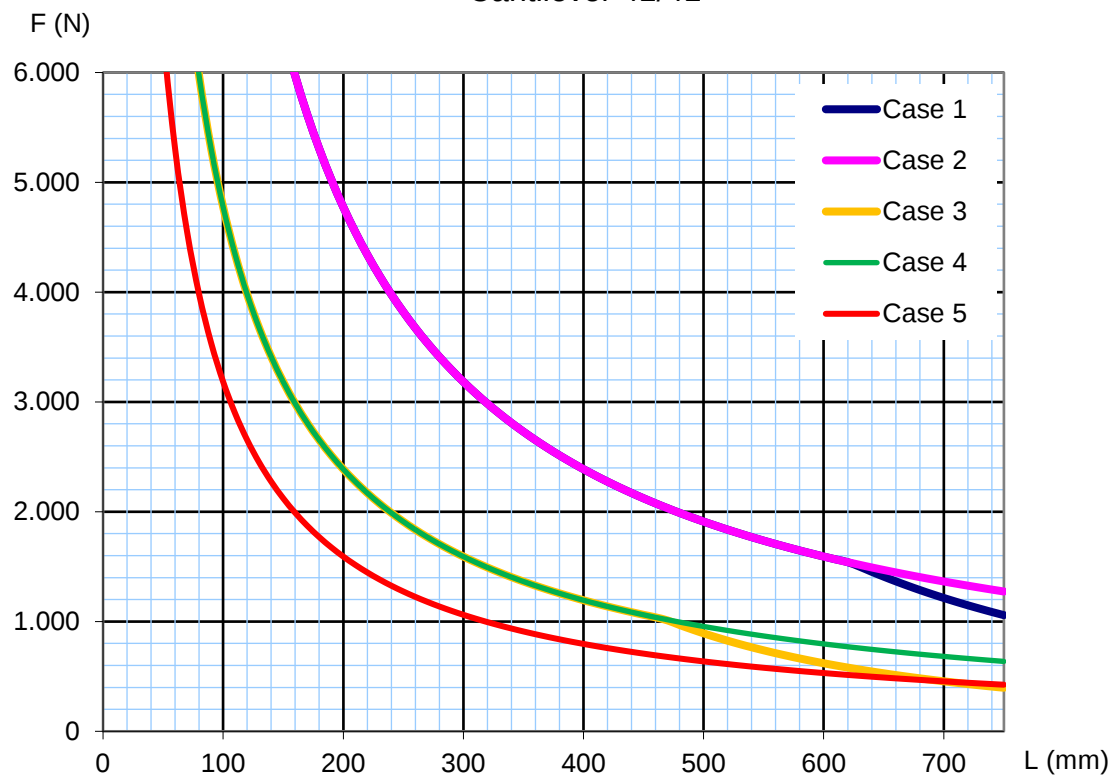
CANTILEVER DESIGN EXAMPLE

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