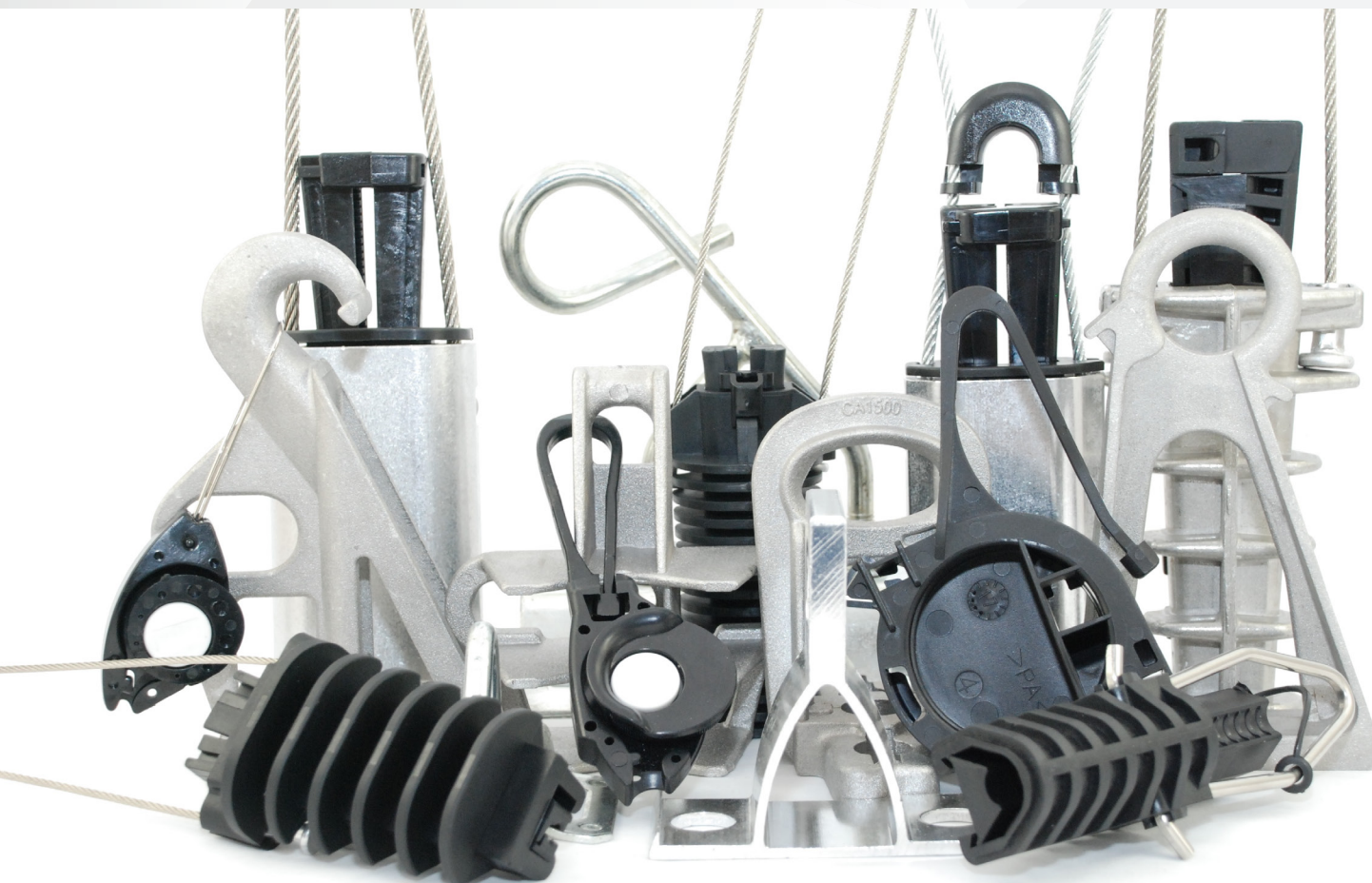


PRODUCT CATALOGUE



AERIAL CABLE SYSTEMS



Anchor clamps



Suspension clamps



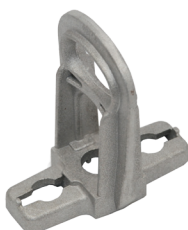
Stainless steel tapes



Stainless steel buckles



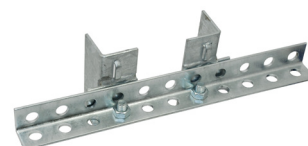
Cable storage assembly



Pole brackets



Screw hooks



Cross-arm brackets

TABLE OF CONTENTS

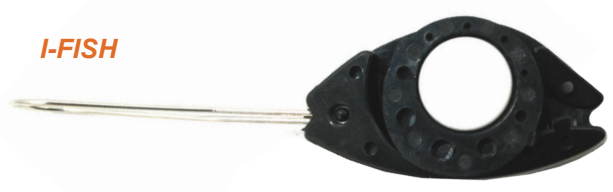
Aerial cable systems

1. Cable clamps	3-25
1.1 Anchor clamps	3-19
1.2 Guy-Grips Dead-End	20
1.3 Suspension clamps	21-24
1.4 Suspension spiral clamps	25
2. Pole brackets	26-34
2.1 Screw hooks	35-36
2.2 Cross-arm brackets	38
3. Installation accessories	39-41
4. Cable storage assembly	42-45

1.1 Anchor clamps

✓ Anchor clamps *FISH* and *FISH-U* for round „drop” and flat cables

I-FISH



I-FISH-U



- Made of high quality thermoplastic material
- Stainless steel grip (I-FISH)
- Openable grip (I-FISH-U)
- For round cables (diameter 2-5 mm)
- For flat cables (dimensions 2x5 mm)
- Light construction
- UV resistant
- Weather resistance
- Tool-free assembly
- Rapid, simple installation

Technical data	Product ID	Cable diameter range [mm]	Dimensions of flat cables [mm]	Max. dimensions of body [mm]	Minimum breaking force [N]	Weight [kg]
	I-FISH	2-4	2x5 [HxW]	18x33x127	900	0.02
	I-FISH-U	2-5	2x5 [HxW]	20x48x140	900	0.05

Table 1. Technical properties of anchor clamps *FISH* and *FISH-U*

I-FISH



I-FISH



I-FISH-U



I-FISH-U



1.1 Anchor clamps

✓ Anchor clamps I-ACCT and I-KL2 for round drop cables

I-ACCT



- ▶ Made of high quality thermoplastic material
- ▶ Openable grip
- ▶ For round cables (diameter 3-5 mm)
- ▶ Light construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Tool-free assembly
- ▶ Rapid, simple installation

I-KL2



- ▶ Made of high quality thermoplastic material
- ▶ Openable grip
- ▶ For round cables (diameter 2-5 mm)
- ▶ Wedge installation
- ▶ Light construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Tool-free assembly
- ▶ Rapid, simple installation

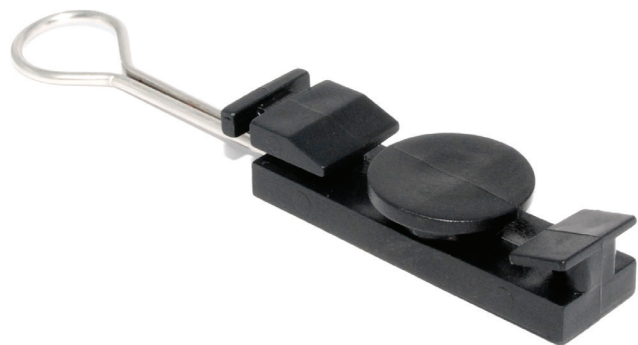
Technical data	Product ID	Cable diameter range [mm]	Max. dimensions of body [mm]	Minimum breaking force [N]	Weight [kg]
	I-ACCT	3-5	35x80x135	1000	0.06
	I-KL2	2-5	20x80x90	1000	0.035

Table 1. Technical properties of anchor clamps I-ACCT and I-KL2



1.1 Anchor clamps

✓ Anchor clamp I-SDROP for round cables, diameter up to 4 mm



- Made of high quality thermoplastic material
 - For round cables (diameter up to 4 mm)
 - Safe cable bending radius
 - Very light construction
 - UV resistant
 - Weather resistance
 - Tool-free assembly
 - Rapid, simple installation
-
- Stainless steel grip
 - Plastic body

Technical data	Product ID	Cable diameter range [mm]	Dimensions [mm]	Minimum breaking force [kN]	Weight [kg]
	I-SDROP	≤4	15x27x135	1	0.025

Table 1. Technical properties of anchor clamp I-SDROP



1.1 Anchor clamps

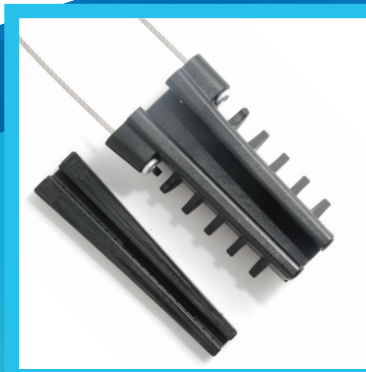
✓ Anchor clamps I-37.PAT and I-69.PAT for round cables, diameter 3-9 mm



- Made of high quality thermoplastic material
 - For round cables (diameter 3-9 mm)
 - Wedge installation
 - Light construction
 - UV resistant
 - Weather resistance
 - Tool-free assembly
 - Rapid, simple installation
-
- Removable stainless steel bail
 - Blocking plastic wedges
 - Plastic body

Technical data	Product ID	Cable diameter range [mm]	Length of bail [mm]	Dimensions of body [mm]	Minimum breaking force [kN]	Weight [kg]
	I-37.PAT	3-7	230	35x60x105	3.6	0.12
	I-69.PAT	6-9	230	35x60x105	3.6	0.12

Table 1. Technical properties of anchor clamps I-37.PAT and I-69.PAT



1.1 Anchor clamps

✓ Anchor clamps I-500.PAT and I-500.PAT-SH for round cables, diameter 3-7 mm



- ▶ Made of high quality thermoplastic material
 - ▶ For round cables (diameter 3-7 mm)
 - ▶ Wedge installation
 - ▶ Light construction
 - ▶ UV resistant
 - ▶ Weather resistance
 - ▶ Tool-free assembly
 - ▶ Rapid, simple installation
-
- ▶ Removable stainless steel bail
 - ▶ Blocking plastic wedges
 - ▶ Plastic body

Technical data	Product ID	Cable diameter range [mm]	Length of bail [mm]	Dimensions of body [mm]	Minimum breaking force [kN]	Weight [kg]
	I-500.PAT	3-7	380	33x58x105	3	0.13
	I-500.PAT-SH	3-7	240	33x58x105	3	0.11

Table 1. Technical properties of anchor clamps I-500.PAT and I-500.PAT-SH



1.1 Anchor clamps

✓ Anchor clamp I-50.PA for round cables, diameter 5-9 mm



- ▶ Made of high quality thermoplastic material
 - ▶ For round cables (diameter 5-9 mm)
 - ▶ Wedge installation
 - ▶ Light construction
 - ▶ UV resistant
 - ▶ Weather resistance
 - ▶ Tool-free assembly
 - ▶ Rapid, simple installation
-
- ▶ Stainless steel grip
 - ▶ Blocking plastic wedges
 - ▶ Plastic body

Technical data	Product ID	Cable diameter range [mm]	Dimensions [mm]	Minimum breaking force [kN]	Weight [kg]
	I-50.PA	5-9	33x45x160	2	0.11

Table 1. Technical properties of anchor clamp I-50.PA



1.1 Anchor clamps

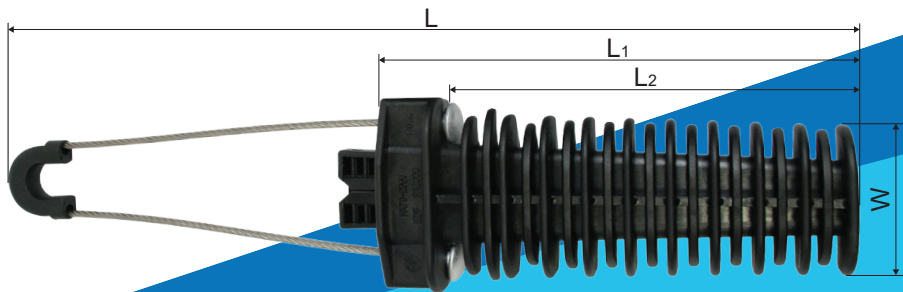
✓ **Anchor clamps PA-1500 and PA-2000 for round cables, diameter 8-15 mm, 15-20 kN**



- ▶ Made of high quality thermoplastic material
 - ▶ For round cables (diameter 8-15 mm)
 - ▶ Solid construction
 - ▶ Wedge installation
 - ▶ UV resistant
 - ▶ Weather resistance
 - ▶ Tool-free assembly
 - ▶ Rapid, simple installation
-
- ▶ Removable stainless steel bail
 - ▶ Blocking plastic wedges
 - ▶ Plastic body

Technical data	Product ID	Cable diameter range [mm]	L [mm]	L ₁ [mm]	L ₂ [mm]	W [mm]	Minimum breaking force [kN]	Weight [kg]
	PA-1500	8-12	410	175	150	63	15	0.25
	PA-2000	10-15	442	212	182	64	20	0.3

Table 1. Technical properties of anchor clamps PA-1500 and PA-2000



1.1 Anchor clamps

✓ **Anchor clamps I-T1800.PA and I-T1801.PA for round cables, diameter 8-16 mm, 17.5 kN**



- Made of high quality thermoplastic material
 - For round cables (diameter 8-16 mm)
 - Solid construction
 - Wedge installation
 - UV resistant
 - Weather resistance
 - Tool-free assembly
 - Rapid, simple installation
-
- Removable stainless steel bail
 - Blocking plastic wedges
 - Plastic body

Technical data	Product ID	Cable diameter range [mm]	Length of bail [mm]	Dimensions of body [mm]	Minimum breaking force [kN]	Weight [kg]
	I-T1800.PA	8-12	350	42x82x200	17.5	0.3
	I-T1801.PA	10-16	350	42x82x200	17.5	0.3

Table 1. Technical properties of anchor clamps I-T1800.PA and I-T1801.PA



1.1 Anchor clamps

✓ Anchor clamp I-T1500-1.PAT for round cables, diameter 10-16 mm, 15 kN



- Made of high quality aluminum
 - For round cables (diameter 5-9 mm)
 - Wedge installation
 - Solid construction
 - UV resistant
 - Weather resistance
 - Tool-free assembly
 - Rapid, simple installation
-
- Removable stainless steel bail
 - Blocking plastic wedges
 - Aluminum ribbed body

Technical data	Product ID	Cable diameter range [mm]	Length of bail [mm]	Dimensions of body [mm]	Minimum breaking force [kN]	Weight [kg]
	I-T1500-1.PAT	10-16	255	42x80x136	15	0.3

Table 1. Technical properties of anchor clamp I-T1500-1.PAT



1.1 Anchor clamps

✓ **Anchor clamps for round cables, diameter 6-14 mm, 10-22 kN, I-T1000.PA, I-T1500.PA, I-T2200.PA**



- ▶ Made of high quality aluminum
 - ▶ For round cables (diameter 6-14 mm)
 - ▶ Wedge installation
 - ▶ Solid construction
 - ▶ UV resistant
 - ▶ Weather resistance
 - ▶ Tool-free assembly
 - ▶ Rapid, simple installation
-
- ▶ Removable stainless steel bail
 - ▶ Blocking plastic wedges
 - ▶ Aluminum ribbed body

Technical data	Product ID	Cable diameter range [mm]	Length of body [mm]	Width of body [mm]	Length of bail [mm]	Minimum breaking force [kN]	Weight [kg]
	I-T1000.PA	6-10	112	63	270	10	0.3
	I-T1500.PA	8-12	112	63	270	15	0.3
	I-T2200.PA	10-14	122	67	230	22	0.35

Table 1. Technical properties of anchor clamps I-T1000.PA, I-T1500.PA, I-T2200.PA



1.1 Anchor clamps

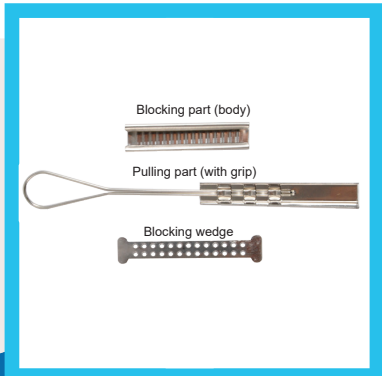
✓ Anchor clamps I-ODWAT-22 and I-ODWAT-22-L for flat cables, 4x12 mm



- ▶ Compact stainless steel construction
 - ▶ For flat cables (max. 4x12 mm)
 - ▶ Wedge installation
 - ▶ Very light construction
 - ▶ UV resistant
 - ▶ Weather resistance
 - ▶ Tool-free assembly
 - ▶ Rapid, simple installation
-
- ▶ Blocking part (body)
 - ▶ Blocking wedge
 - ▶ Pulling part

Technical data	Product ID	Max. width of cable [mm]	Max. thickness of cable [mm]	Length of clamp [mm]	Minimum breaking force [kN]	Weight [kg]
	I-ODWAT-22	12	4	220	1.2	0.05
	I-ODWAT-22-L	12	4	280	1.2	0.07

Table 1. Technical properties of anchor clamps I-ODWAT-22, I-ODWAT-22-L



1.1 Anchor clamps

✓ Anchor clamp I-ODWAT-26-201 for flat cables, 6x16 mm, 2.5 kN

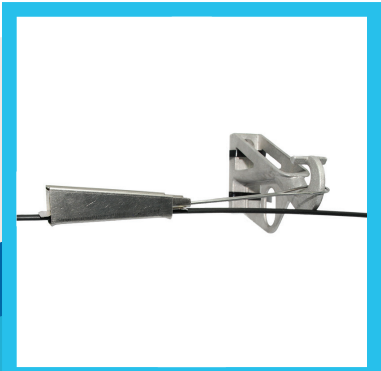


- ▶ Compact stainless steel construction
- ▶ For flat cables (max. 6x16 mm)
- ▶ Wedge installation
- ▶ Very light construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Tool-free assembly
- ▶ Rapid, simple installation

- ▶ Blocking part (body)
- ▶ Blocking wedge
- ▶ Pulling part

Technical data	Product ID	Max. width of cable [mm]	Max. thickness of cable [mm]	Length of clamp [mm]	Minimum breaking force [kN]	Weight [kg]
	I-ODWAT-26-201	16	6	280	2.5	0.1

Table 1. Technical properties of anchor clamp I-ODWAT-26-201



1.1 Anchor clamps

✓ Anchor clamp I-ODWAT-22-O for flat cables, 5x13 mm, 1 kN



- ▶ Compact stainless steel construction
 - ▶ For flat cables (max. 5x13 mm)
 - ▶ Openable grip
 - ▶ Wedge installation
 - ▶ Very light construction
 - ▶ UV resistant
 - ▶ Weather resistance
 - ▶ Tool-free assembly
 - ▶ Rapid, simple installation
-
- ▶ Blocking part (body)
 - ▶ Blocking wedge
 - ▶ Pulling part (with openable grip)

Technical data	Product ID	Max. width of cable [mm]	Max. thickness of cable [mm]	Length of clamp [mm]	Minimum breaking force [kN]	Weight [kg]
	I-ODWAT-22-O	13	5	250	1	0.1

Table 1. Technical properties of anchor clamp I-ODWAT-22-O



1.1 Anchor clamps

✓ Anchor clamp I-ODWAT-22-U for flat cables, 4x8 mm, 1 kN



- ▶ Compact construction
- ▶ For flat cables (max. 4x8 mm)
- ▶ Openable hook
- ▶ Wedge installation
- ▶ Very light construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Tool-free assembly
- ▶ Rapid, simple installation
- ▶ Blocking part (stainless steel body)
- ▶ Blocking wedge (stainless steel)
- ▶ Plastic pulling part (with openable grip)

Technical data	Product ID	Max. width of cable [mm]	Max. thickness of cable [mm]	Length of clamp [mm]	Minimum breaking force [kN]	Weight [kg]
	I-ODWAT-22-U	8	4	240	1	0.1

Table 1. Technical properties of anchor clamp I-ODWAT-22-U



1.1 Anchor clamps

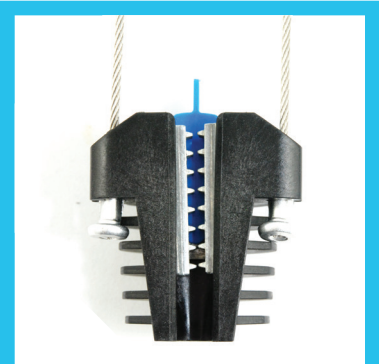
✓ **Anchor clamp I-05.PAT for figure-8 fiber optic cables, diameter 3.5-5 mm, 2.3 kN**



- ▶ Body made of high quality thermoplastic material
- ▶ For round figure-8 cables (diameter 3.5-5 mm)
- ▶ For cables with stainless steel messenger
- ▶ For cables with aluminum alloy messenger
- ▶ Wedge installation
- ▶ Light construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Tool-free assembly
- ▶ Rapid, simple installation
- ▶ Removable stainless steel bail
- ▶ Blocking zinc alloy wedges
- ▶ Plastic body

Technical data	Product ID	Messenger diameter range [mm]	Length of bail [mm]	Dimensions of body WxHxL [mm]	Minimum breaking force [kN]	Weight [kg]
	I-05.PAT	3.5-5	230	55x33x65	2.3	0.13

Table 1. Technical properties of anchor clamp I-05.PAT



1.1 Anchor clamps

✓ **Anchor clamp I-07.PAT for figure-8 fiber optic cables, diameter 3-7 mm, 5 kN**



- ▶ Body made of high quality aluminum alloy
- ▶ For round figure-8 cables (diameter 3-7 mm)
- ▶ For cables with stainless steel messenger
- ▶ For cables with aluminum alloy messenger
- ▶ Wedge installation
- ▶ Light construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Tool-free assembly
- ▶ Rapid, simple installation
- ▶ Removable stainless steel bail
- ▶ Blocking zinc alloy wedges
- ▶ Aluminum alloy body

Technical data	Product ID	Messenger diameter range [mm]	Length of bail [mm]	Dimensions of body WxHxL [mm]	Minimum breaking force [kN]	Weight [kg]
	I-07.PAT	3-7	250	55x30x70	5	0.15

Table 1. Technical properties of anchor clamp I-07.PAT



1.1 Anchor clamps

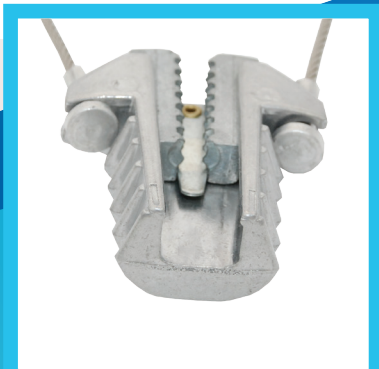
✔ **Anchor clamp I-08.PAT for figure-8 fiber optic cables, diameter 3-8 mm, 2.5 kN**



- ▶ Body made of high quality aluminum alloy
- ▶ For round figure-8 cables (diameter 3-8 mm)
- ▶ For cables with stainless steel messenger
- ▶ For cables with aluminum alloy messenger
- ▶ Wedge installation
- ▶ Light construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Tool-free assembly
- ▶ Rapid, simple installation
- ▶ Removable stainless steel bail
- ▶ Blocking zinc alloy wedges
- ▶ Aluminum alloy body

Technical data	Product ID	Messenger diameter range [mm]	Length of bail [mm]	Dimensions of body WxHxL [mm]	Minimum breaking force [kN]	Weight [kg]
	I-08.PAT	3-8	330	60x32x65	2.5	0.25

Table 1. Technical properties of anchor clamp I-08.PAT



1.2 Guy-Grips Dead-End clamps

✔ **Guy-Grips Dead-End clamps I-H.4K.05-16 for ADSS cables, diameter 5-16 mm**



GUY-GRIPS Dead-End are anchoring clamps designed for installation round self-supporting cables (diameter 5-16 mm) on telecommunications poles and walls of buildings. Guy-grips strain the ADSS cables between the spans, enable safety assembly without any tools. The main metal part of the clamp is made of hot-dip galvanized steel, installation ring of UV resistant plastic (PC) material. Guy-grips can be installed on all kinds of pole brackets.

Technical data	Product ID	Cable diameter range [mm]	Length of clamp [mm]	Minimum breaking force [kN]	Max. working load [kN]	Weight [kg]
	I-H.4K.05-6.5	5-6.5	500	7	4	0.15
	I-H.4K.09-10	9-10	500	7	4	0.15
	I-H.4K.10-11.5	10-11.5	500	7	4	0.15
	I-H.4K.11.5-13	11.5-13	500	7	4	0.15
	I-H.4K.13-14.5	13-14.5	500	7	4	0.15
	I-H.4K.14.5-16	14.5-16	500	7	4	0.15

Table 1. Technical properties of Guy-Grips Dead-End clamps I-H.4K.05-16

- UV resistant
- Weather resistance
- Tool-free assembly
- Rapid, simple installation



1.3 Suspension clamps

✔ Suspension clamps I-SC for round cables, diameter 5-15 mm, 5kN



- ▶ For round cables (diameter 5-15 mm)
- ▶ Screws or steel tape installation
- ▶ Solid construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Rapid, simple installation
- ▶ Stainless steel installation part
- ▶ Rubber insert

- ▶ Max. width of installation tape: 20 mm
- ▶ Diameter of installation holes: 15 mm

Technical data	Product ID	Cable diameter range [mm]	Max. dimensions [mm]	Minimum breaking force [kN]	Weight [kg]
	I-SC-5-8	5-8	35x65x120	5	0.15
	I-SC-8-12	8-12	35x65x120	5	0.15
	I-SC-11-15	11-15	35x65x120	5	0.15

Table 1. Technical properties of suspension clamps I-SC



1.3 Suspension clamps

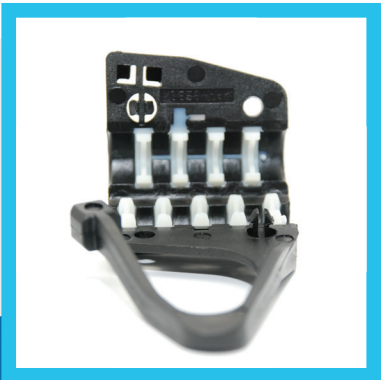
✔ **Suspension clamp I-PRZ for round cables, diameter 4-6 mm, 4 kN**



- ▶ For round cables (diameter 4-6 mm)
 - ▶ Openable grip
 - ▶ Light construction
 - ▶ UV resistant
 - ▶ Weather resistance
 - ▶ Tool-free assembly
 - ▶ Rapid, simple installation
-
- ▶ Made of high quality thermoplastic material
 - ▶ Two latches
 - ▶ Elastomer insert

Technical data	Product ID	Cable diameter range [mm]	Max. dimensions [mm]	Minimum breaking force [kN]	Weight [kg]
	I-PRZ	4-6	23x40x70	4	0.1

Table 1. Technical properties of suspension clamp I-PRZ



1.3 Suspension clamps

✔ **Suspension clamp I-T1500.ES for round cables, diameter 8-14 mm, 9 kN**



- ▶ For round cables (diameter 8-14 mm)
 - ▶ Openable grip
 - ▶ Solid construction
 - ▶ UV resistant
 - ▶ Weather resistance
 - ▶ Tool-free assembly
 - ▶ Rapid, simple installation
-
- ▶ High mechanical resistance thermoplastic materials
 - ▶ One piece format

Technical data	Product ID	Cable diameter range [mm]	Max. dimensions [mm]	Minimum breaking force [kN]	Weight [kg]
	I-T1500.ES	8-14	45x70x145	9	0.2

Table 1. Technical properties of suspension clamp I-T1500.ES



1.3 Suspension clamps

✔ Universal suspension clamp I-TASMA with carabiner, 3 kN



- ▶ For round round and flat cables
- ▶ Wide range of cable diameters and dimensions
- ▶ Light construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Tool-free assembly
- ▶ Rapid, simple installation

- ▶ Carabiner: Stainless steel
- ▶ Elastic tape: Synthetic fibre
- ▶ Grip: Plastic

Technical data	Product ID	Dimensions of carabiner [mm]	Dimensions of grip [mm]	Width of tape [mm]	Minimum breaking force [kN]	Weight [kg]
	I-TASMA	8x80	43x73	48	3	0.15

Table 1. Technical properties of suspension clamp I-TASMA



1.3 Suspension spiral clamps

✔ **Suspension spiral clamps I-HS.3000 for round cables, span 180 m, diameter 11.5-14.5 mm, 4 kN**



- ▶ For round cables (diameter 11.5-14.5 mm)
- ▶ Light construction
- ▶ UV resistant
- ▶ Weather resistance
- ▶ Tool-free assembly
- ▶ Rapid, simple installation
- ▶ Span up to 180 meters

- ▶ Spiral part made of hot-dip galvanized steel
- ▶ Galvanized steel ring

Technical data	Product ID	Cable diameter range [mm]	Length of clamp [mm]	Minimum breaking force [kN]	Max. working load [kN]	Weight [kg]
	I-HS.3000.11.5-13	11.5-13	550	7	4	0.12
	I-HS.3000.13-14.5	13-14.5	550	7	4	0.12

Table 1. Technical properties of suspension spiral clamps I-HS.3000



2. Pole brackets

✔ Pole brackets CS100 and CS1500



- Pole or wall installation
- Screw or steel tape mounting
- Made of aluminum alloys
- Light construction
- UV resistant
- Weather resistance
- Rapid, simple installation

Technical data	Product ID	Max. dimensions [mm]	Base length [mm]	Hook/link internal diameter	Hole diameter for the mounting screw [mm]	Minimum breaking force [kN]	Weight [kg]
	I-T1500.PS-AL	32x105x163	85	20	16.5	8	0.2
	I-T1500.ES-AL	33x115x165	112	32	18	8	0.19

Table 1. Technical properties of pole brackets CS100 and CS1500



2. Pole brackets

✔ Pole bracket Cash



- Pole or wall installation
- Screws or steel tape mounting
- Made of aluminum alloys
- Light construction
- UV resistant
- Weather resistance
- Rapid, simple installation

Technical data	Product ID	Max. dimensions [mm]	Base length [mm]	Dimensions of grip hole [mm]	Diameter of central hole for mounting screw [mm]	Diameter of external holes for mounting screws [mm]	Minimum breaking force [kN]	Weight [kg]
	I-CA1500	73x110x113	110	42x23	20	16	6	0.15

Table 1. Technical properties of pole bracket CASH



2. Pole brackets

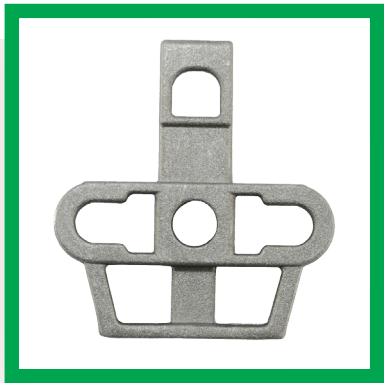
✔ Pole bracket I-TPB



- Pole or wall installation
- Screw or steel tape mounting
- Made of aluminum alloys
- Light, solid construction
- UV resistant
- Weather resistance
- Rapid, simple installation

Technical data	Product ID	Max. dimensions [mm]	Diameter of central hole for mounting screw [mm]	Minimum breaking force [kN]	Weight [kg]
	I-TPB	45x113x120	17	6	0.2

Table 1. Technical properties of pole bracket I-TPB



2. Pole brackets

✔ Pole bracket I-Y01



- Pole or wall installation
- Screws or steel tape mounting
- Made of galvanized steel
- Light construction
- UV resistant
- Weather resistance
- Rapid, simple installation

Technical data	Product ID	Max. dimensions [mm]	Diameter of central hole [mm]	Max. width of installation tape [mm]	Minimum breaking force [kN]	Weight [kg]
	I-Y01	55x63x74	25	30	2.5	0.3

Table 1. Technical properties of pole bracket I-Y01



2. Pole brackets

✔ Pole bracket I-TA1500.1



- Pole or wall installation
- Screws or steel tape mounting
- Made of aluminum alloys
- Light construction
- UV resistant
- Weather resistance
- Rapid, simple installation

Technical data	Product ID	Max. dimensions [mm]	Dimensions of grip hole [mm]	Diameter of holes for mounting screws [mm]	Minimum breaking force [kN]	Weight [kg]
	I-TA1500.1	48x94x99	24x32	18	6	0.11

Table 1. Technical properties of pole bracket I-TA1500.1

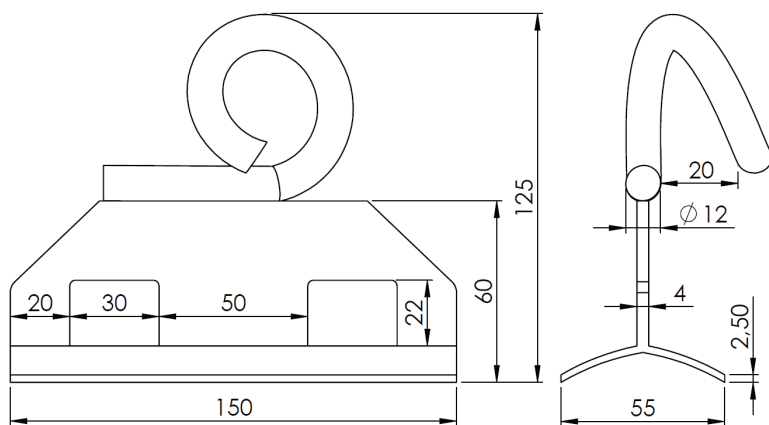


2. Pole brackets

✓ Pole bracket F-WH, spiral hook, welded, 10 kN



- Pole installation
- Fixing system: steel tape
- Open hook construction
- Made of galvanized steel
- Solid, welded construction
- UV resistant
- Weather resistance
- Rapid, simple installation



Dimensions of pole bracket F-WH

- Minimum breaking force: 10 kN
- Weight: 0.5 kg

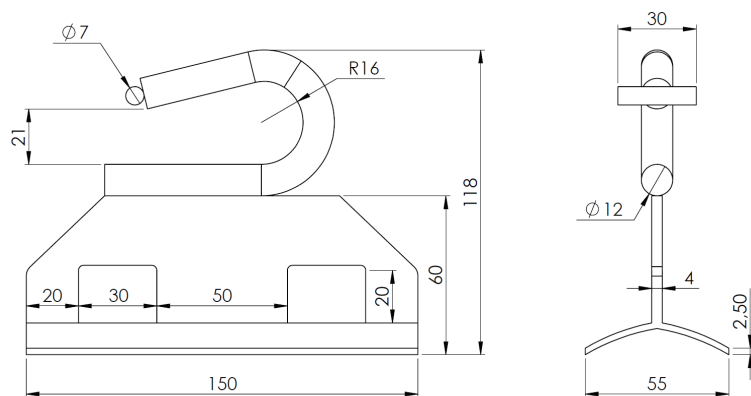


2. Pole brackets

✔ Pole bracket F-WHP, hook, welded, 10 kN



- Pole installation
- Steel tape mounting
- Open hook construction
- Safety pivot
- Made of galvanized steel
- Solid, welded construction
- UV resistant
- Weather resistance
- Rapid, simple installation



Dimensions of pole bracket F-WHP

- Minimum breaking force: 10 kN
- Weight: 0.7 kg



2. Pole brackets

✔ Universal pole bracket F-WS



- Pole or wall installation
- Screws or steel tape mounting
- Made of galvanized steel
- Solid close construction
- UV resistant
- Weather resistance
- Rapid, simple installation

Technical data	Product ID	Max. dimensions [mm]	Thickness of sheet [mm]	Minimum breaking force [kN]	Weight [kg]
	F-WS	47x50x100	3	4	0.5

Table 1. Technical properties of pole bracket F-WS

✔ Pole bracket I-02Y

- Pole or wall installation
- Screws or steel tape mounting
- Made of galvanized steel
- Light open construction
- Rapid, simple installation
- Weather resistance
- UV resistant



Technical data	Product ID	Max. dimensions [mm]	Hook internal diameter [mm]	Max. width of installation tape [mm]	Diameter of holes for mounting screws [mm]	Minimum breaking force [kN]	Weight [kg]
	I-02Y	50x53x67	12	22	5	1.5	0.05

Table 1. Technical properties of pole bracket I-02Y



2. Pole brackets

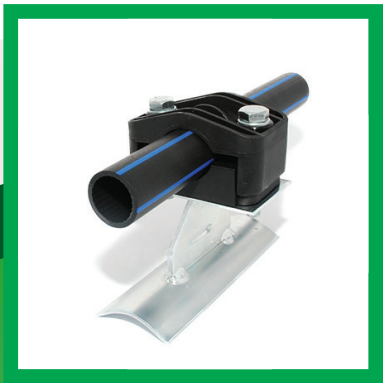
✓ Pole bracket/clamp I-DYS-RUR for HDPE pipes, diameter 25, 32, 40 mm



- Aerial installations
 - Microduct, multiduct systems
 - Steel tape mounting
 - Solid, compact construction
 - UV resistant
 - Weather resistance
 - Rapid, simple installation
-
- Galvanized steel base
 - Pressure elements made of high quality thermoplastic material

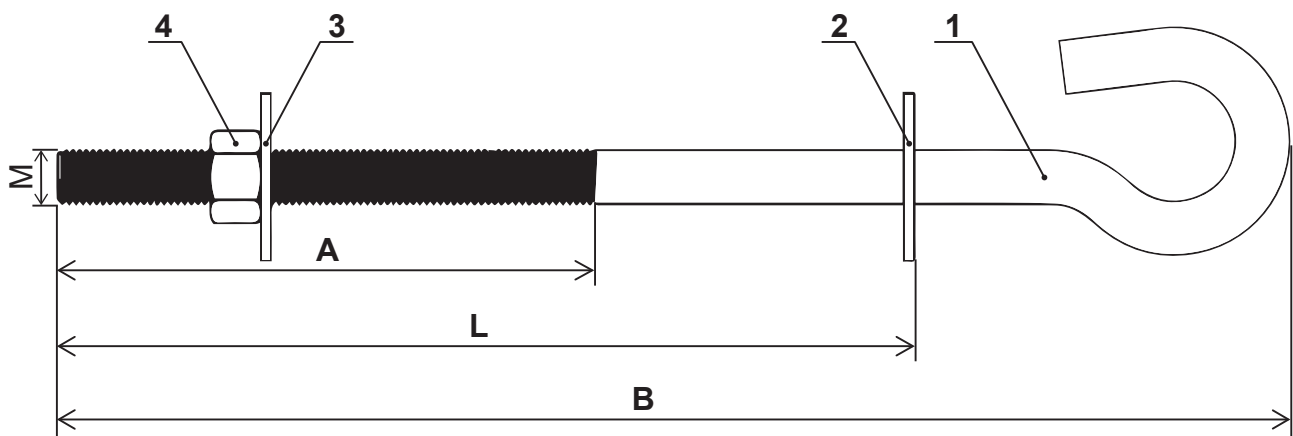
Technical data	Product ID	Pipe diameter [mm]	Max. dimensions [mm]	Length of base [mm]	Max. width of installation tape [mm]	Weight [kg]
	I-DYS-RUR.25	25	94x108x150	150	30	0.7
	I-DYS-RUR.32	32	94x108x150	150	30	0.7
	I-DYS-RUR.40	40	94x108x150	150	30	0.7

Table 1. Technical properties of pole bracket/clamp I-DYS-RUR



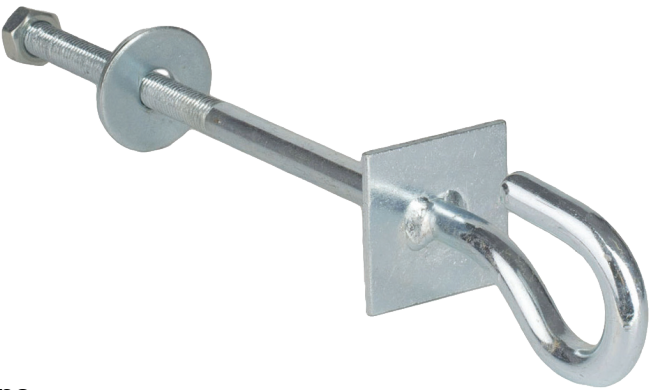
2.1 Screw hooks

✓ Screws with straight hook I-ŠR.14-16.200-400



➤ Structure:

- 1 - Ø14 mm or Ø16 mm steel rod
- 2 - Resistance flange
- 3 - Ø50 mm washer
- 4 - M14 or M16 nut



➤ Application:

- ✓ Construction
- ✓ Telecommunication
- Installation of anchor, suspension clamps

Technical data	Product ID	Material	L [mm]	A [mm]	B [mm]	Thread	Weight [kg]
	I-ŠR.14.200	Galvanized steel	200	120	300	M14	0.55
	I-ŠR.14.230	Galvanized steel	230	120	330	M14	0.6
	I-ŠR.14.250	Galvanized steel	250	120	350	M14	0.64
	I-ŠR.14.300	Galvanized steel	300	120	400	M14	0.72
	I-ŠR.14.400	Galvanized steel	400	120	500	M14	0.83
	I-ŠR.16.200	Galvanized steel	200	120	300	M16	0.67
	I-ŠR.16.230	Galvanized steel	230	120	330	M16	0.72
	I-ŠR.16.250	Galvanized steel	250	120	350	M16	0.78
	I-ŠR.16.300	Galvanized steel	300	120	400	M16	0.83
	I-ŠR.16.400	Galvanized steel	400	120	500	M16	0.89

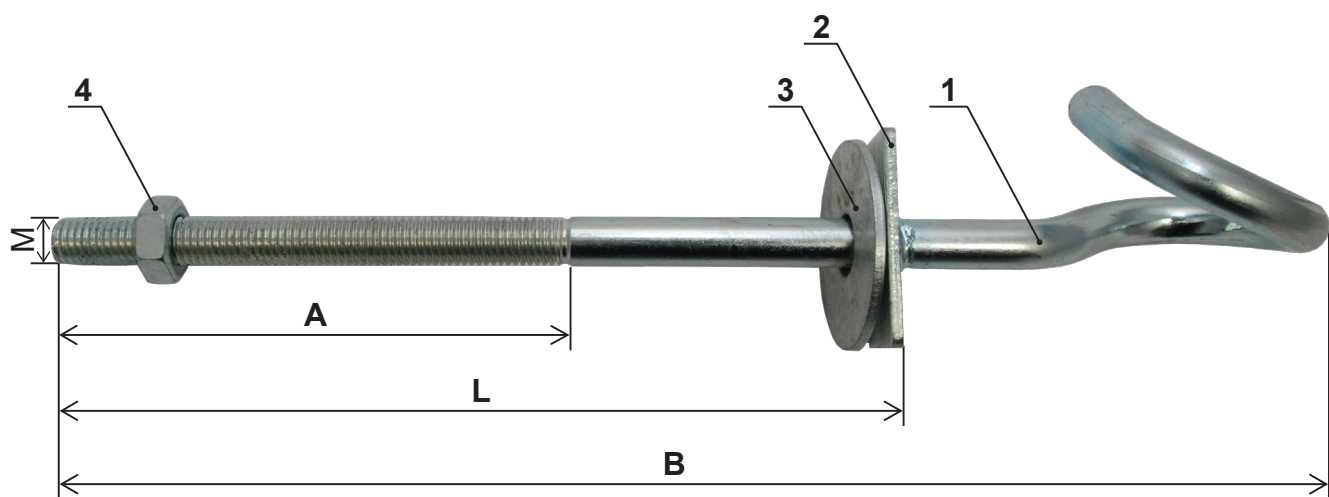
Table 1. Technical properties of screw with straight hooks I-ŠR

- ✓ The set includes M14 or M16 nut and Ø50 mm washer for each screw



2.1 Screw hooks

✓ Screws with spiral hook I-ŠR.14.200-400



➤ Structure:

- 1 - Ø12 mm steel rod
- 2 - Resistance flange
- 3 - Ø50 mm washer
- 4 - M12 nut

➤ Application:

- ✓ Construction
- ✓ Telecommunication
- Installation of anchor, suspension clamps

Technical data	Product ID	Material	L [mm]	A [mm]	B [mm]	Thread	Weight [kg]
	I-ŠR.12.200	Galvanized steel	200	120	300	M12	0.45
	I-ŠR.12.230	Galvanized steel	230	120	330	M12	0.5
	I-ŠR.12.250	Galvanized steel	250	120	350	M12	0.54
	I-ŠR.12.300	Galvanized steel	300	120	400	M12	0.62
	I-ŠR.12.400	Galvanized steel	400	120	500	M12	0.74

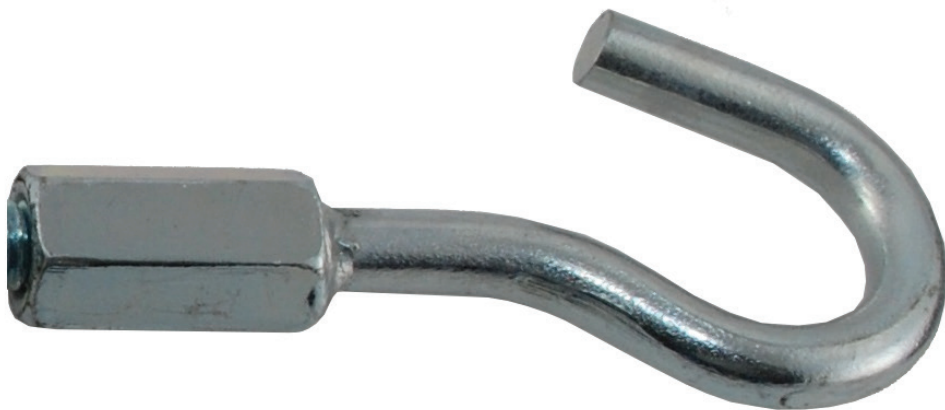
Table 1. Technical properties of screw with spiral hooks I-ŠR

✓ The set includes M12 nut and Ø50 mm washer for each screw



2.1 Screw hooks

✔ Screw hooks with internal thread I-HAK



- **Application:**
- ✔ Construction
 - ✔ Telecommunication
 - Installation of anchor, suspension clamps

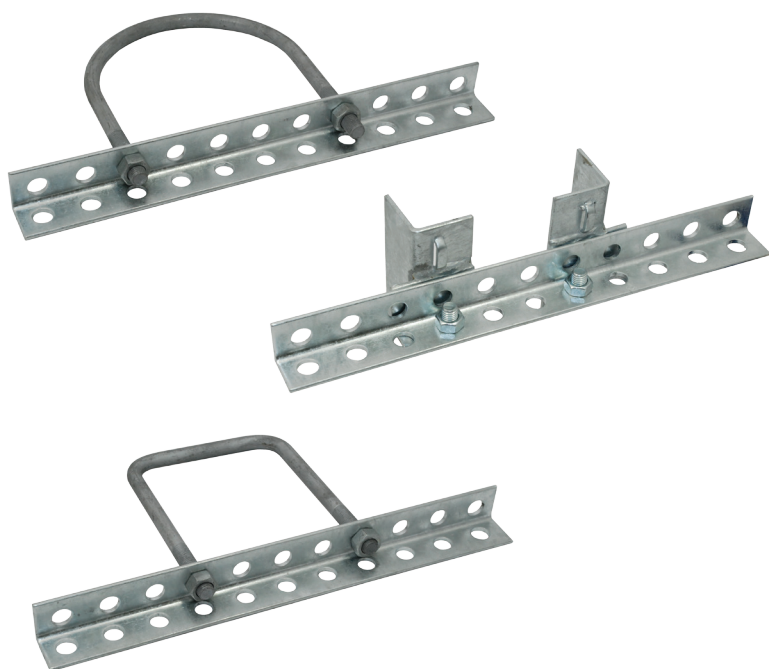
Technical data	Product ID	Material	Length [mm]	Rod [mm]	Thread	Weight [kg]
	I-HAK.12	Galvanized steel	100	ø12	M12	0.2
	I-HAK.14	Galvanized steel	100	ø14	M14	0.25
	I-HAK.16	Galvanized steel	100	ø16	M16	0.31

Table 1. Technical properties of screw hooks I-HAK



2.2 Cross-arm brackets

✔ Cross-arm brackets for round and rectangular poles F-PO, F-PK

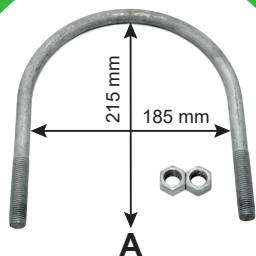


The cross-arm brackets have been designed for installation on round and rectangular poles. Cross-arms are important elements in building aerial telecommunications systems. Design of the cross-arm brackets allows the assembly of all types of anchor, suspension and spiral clamps. Cross-arm brackets are available in 11, 15 and 27 hole version. The set includes cross-arm, clamps and fixing screws.

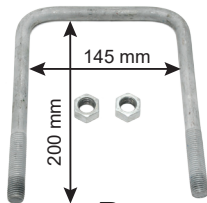


Technical data	Product ID	Type of pole	Dimensions LxDxWxT [mm]	Number of holes	Holes diameter [mm]	Fixing system	Material
	F-PO-11	Round	440x40x40x4	2x11	16	Clamp	Galvanized steel
	F-PK-11	Rectangular	440x40x40x4	2x11	16	Clamp	Galvanized steel
	F-PK-11-R	Rectangular/ round	440x40x40x4	2x11	16	Adjustment (angle bar)	Galvanized steel
	F-PO-15	Round	600x40x40x4	2x15	16	Clamp	Galvanized steel
	F-PK-15	Rectangular	600x40x40x4	2x15	16	Clamp	Galvanized steel
	F-PK-15-R	Rectangular/ round	600x40x40x4	2x15	16	Adjustment (angle bar)	Galvanized steel
	F-PK-27-R	Rectangular/ round	1110x40x40x4	2x27	16	Adjustment (angle bar)	Galvanized steel

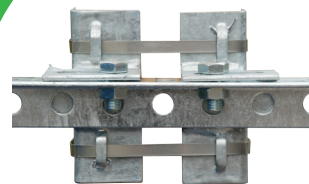
Table 1. Technical properties of cross-arm brackets F-PO, F-PK



A



B



C

A - Round pole clamp, $\varnothing 14$ steel rod, two nuts M14

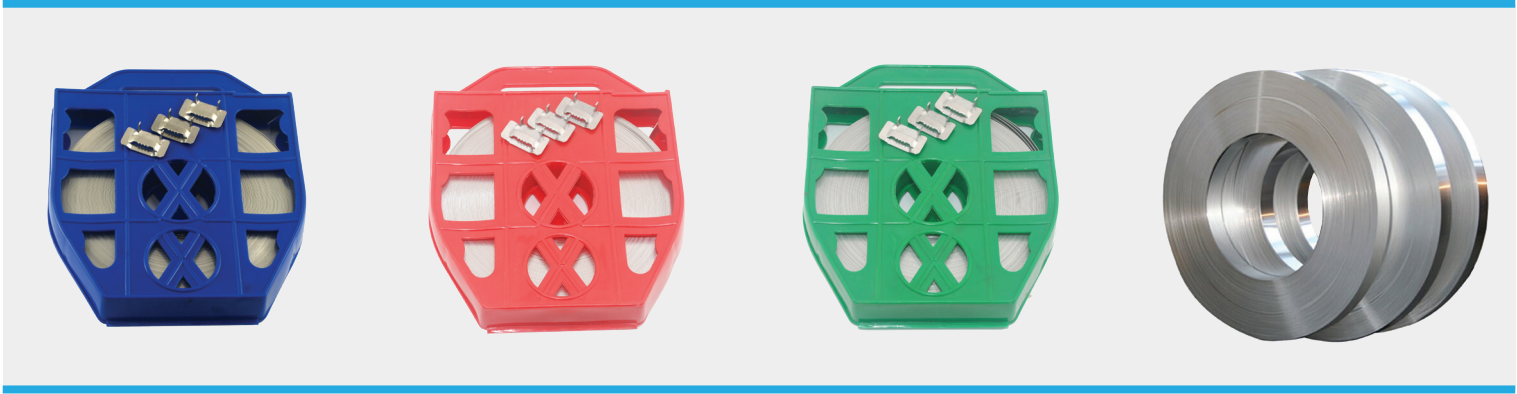
B - Rectangular pole clamp, $\varnothing 14$ steel rod, two nuts M14

C - Adjustable fixing on a rectangular or round pole in the range of 100 - 500 mm, two angle bars, two nuts M14. Fixing system: steel tape



3. Installation accessories

✔ *Stainless steel tapes I-TS*



- ▶ Corrosion resistance
- ▶ Vibration resistance
- ▶ High mechanical strength
- ▶ UV resistant
- ▶ Low and high temperature resistance
- ▶ Long service life
- ▶ Solid, practical packaging
- ▶ Simple installation
- ▶ Stainless steel materials

Technical data	Kod produktu	Material	Length [m]	Width [mm]	Thickness [mm]	Weight [kg]
	I-TS-C201-25	Steel C201	25	20	0.7	3.1
	I-TS-C201-50-10.07	Steel C201	50	10	0.7	3
	I-TS-C201-50-20.04	Steel C201	50	20	0.4	3.2
	I-TS-C201-50-20.07	Steel C201	50	20	0.7	5.5
	I-TS-C202-50-10.07	Steel C202	50	10	0.7	3
	I-TS-C202-50-20.07	Steel C202	50	20	0.7	5.5
	I-TS-C304-25	Steel C304	25	20	0.7	3.1
	I-TS-C304-50-10.07	Steel C304	50	10	0.7	3
	I-TS-C304-50-20.07	Steel C304	50	20	0.7	5.5
	I-TS-C201-30KG	Steel C201	272	20	0.7	30
	I-TS-C202-30KG	Steel C202	272	20	0.7	30
	I-TS-C304-30KG	Steel C304	272	20	0.7	30

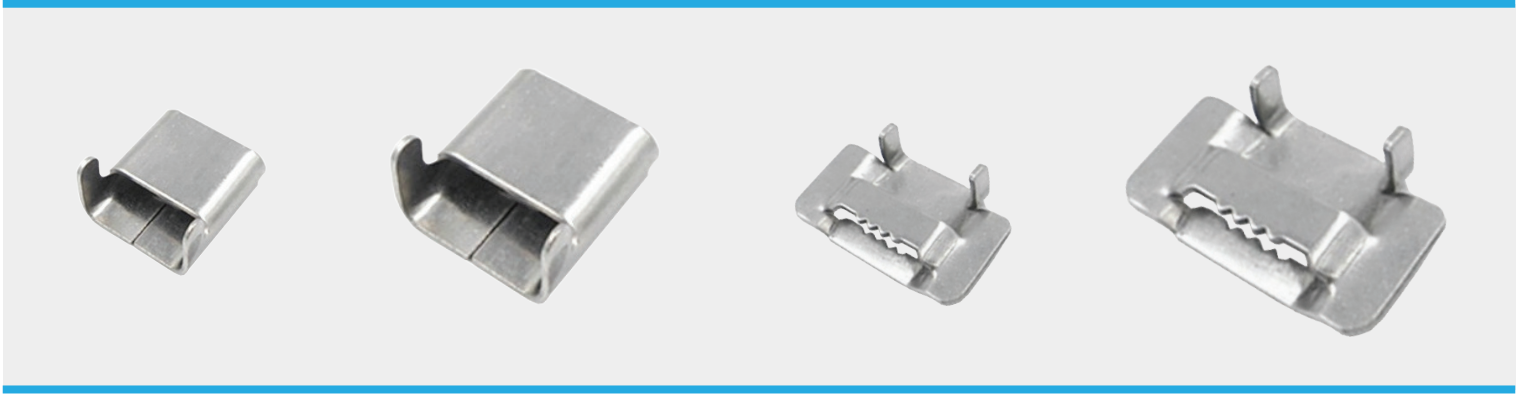
Table 1. Technical properties of stainless steel tapes I-TS

- ✔ Telecommunication
- ✔ Power engineering
- ✔ Mining
- ✔ Roads industry
- ✔ Transport
- ✔ Agriculture
- ✔ Forestry
- ✔ Construction
- ✔ Industry



3. Installation accessories

✔ *Stainless steel buckles I-ZT*



- Corrosion resistance
- Vibration resistance
- High mechanical strength
- UV resistant
- Low and high temperature resistance
- Long service life
- Simple installation
- Stainless steel AISI 304

Technical data	Product ID	Material	Tape width [mm]	Thickness [mm]
	I-ZT-304-10L	Steel 304	10	1.5
	I-ZT-304-20L	Steel 304	20	1
	I-ZT-304-06T	Steel 304	6.35	1.5
	I-ZT-304-10T	Steel 304	10	1.5
	I-ZT-304-13T	Steel 304	13	1.5
	I-ZT-304-16T	Steel 304	16	1
	I-ZT-304-20T	Steel 304	20	1

Table 1. Technical properties of stainless steel buckles I-ZT

- ✔ Telecommunication
- ✔ Power engineering
- ✔ Mining
- ✔ Roads industry
- ✔ Transport
- ✔ Agriculture
- ✔ Forestry
- ✔ Construction
- ✔ Industry



3. Installation accessories

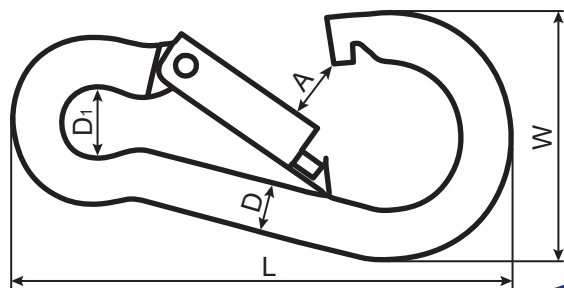
✓ Carabiners I-K



- Material: Steel C15
- Solid, compact construction
- Tool-free assembly
- Rapid, simple installation
- High mechanical strength
- UV resistant
- Low and high temperature resistance

Technical data	Product ID	D [mm]	L[mm]	W [mm]	A [mm]	D1 [mm]	Minimum breaking load [kN]	Weight [kg]
	I-K07	7	70	35	9	10.5	1.8	0.045
	I-K08	8	80	40	10	11.5	2.3	0.063
	I-K09	9	90	45	11	13.5	2.5	0.09
	I-K10	10	100	50	11.5	14.5	3.5	0.12
	I-K11	11	120	57	17	17.5	4.5	0.19

Table 1. Technical properties of carabiners I-K



- ✓ Telecommunication
- ✓ Power engineering
- ✓ Mining
- ✓ Sailing
- ✓ Transport
- ✓ Agriculture
- ✓ Forestry
- ✓ Construction



3. Cable storage assembly

✔ Cable storage assembly AL300-700



- Material: Aluminum
- Threaded center hole
- Simple installation
- UV resistant
- Low and high temperature resistance
- Dimensions of steel flat bar: 30x5 mm

Technical data	Product ID	Dimensions [mm]	Dimensions of frame for cable [mm]	Diameter of fixing holes [mm]	Central hole	Weight [kg]
	AL300	300x300	60x80	ø10	M6	0.6
	AL450	450x450	60x80	ø10	M6	0.9
	AL500	500x500	60x80	ø10	M6	1
	AL600	600x600	100x100	ø10	M6	1.1
	AL700	700x700	100x100	ø10	M6	1.2

Table 1. Technical properties of storage cable assembly AL300-700

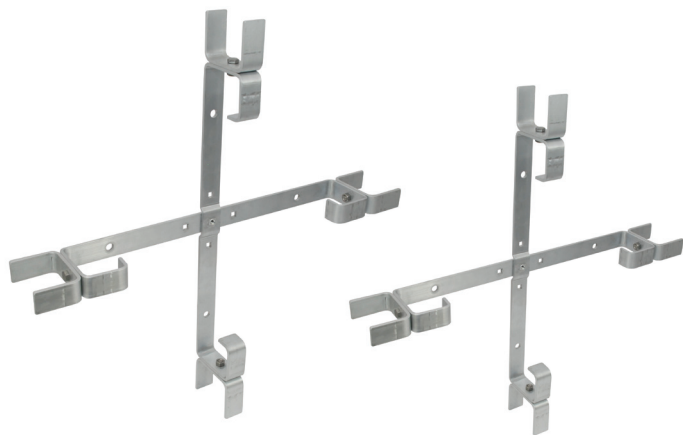
Application:

- ✔ Telecommunication poles
- ✔ Telecommunication wells



3. Cable storage assembly

✓ Cable storage assembly AL450-600-U with drop cables frames



- Material: Aluminum
- Threaded center hole: M6
- Diameter of fixing holes: 10 mm
- Dimensions of steel flat bar: 30x5 mm
- Removable drop cable frames
- UV resistant
- Low and high temperature resistance

Technical data	Product ID	Dimensions [mm]	Dimensions without drop cable frames [mm]	Dimensions of frame for cable [mm]	Dimensions of drop cables frame [mm]	Weight [kg]
	ALU450-U	578x578	450x450	60x80	64x80	0.8
	ALU500-U	628x628	500x500	60x80	64x80	0.9
	ALU600-U	728x728	600x600	100x100	64x100	1.2

Table 1. Technical properties of storage cable assembly AL450-600-U

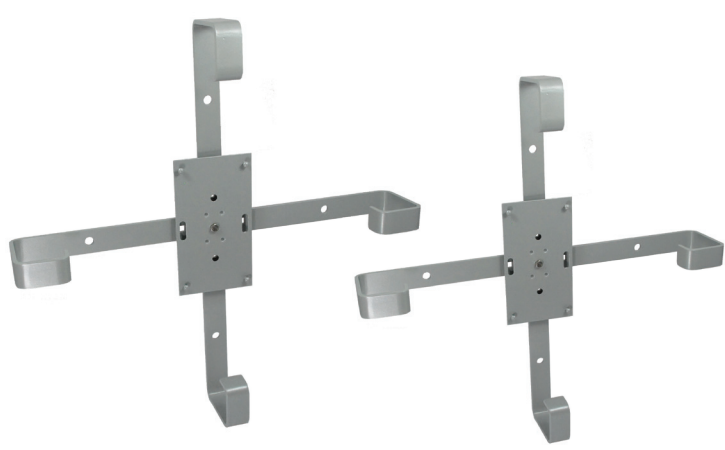
Application:

- ✓ Telecommunication poles
- ✓ Telecommunication wells



3. Cable storage asseblly

✔ Cable storage assembly AL450-600-M with fixing tray, powder-coated



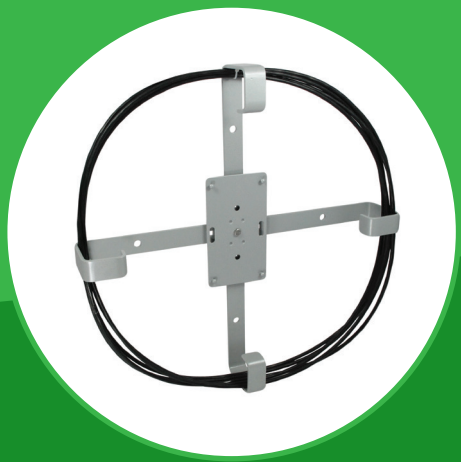
- Material: Aluminum
- Colour: grey (RAL 9006)
- Simple installation
- UV resistant
- Low and high temperature resistance
- Dimensions of steel flat bar: 30x5 mm

Technical data	Product ID	Dimensions [mm]	Dimensions of frame for cable [mm]	Diameter of fixing holes [mm]	Central hole	Weight [kg]
	ALU450-M	450x450	60x80	ø10	M6	0.8
	ALU500-M	500x500	60x80	ø10	M6	0.9
	ALU600-M	600x600	100x100	ø10	M6	1.2

Table 1. Technical properties of storage cable assembly AL450-600-M

Application:

- ✔ Telecommunication poles
- ✔ Telecommunication wells



3. Cable storage asseblly

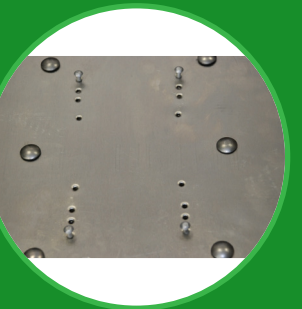
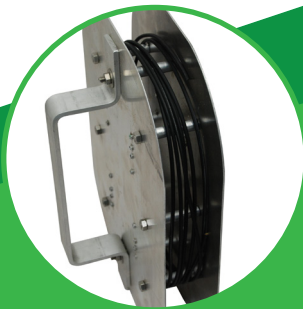
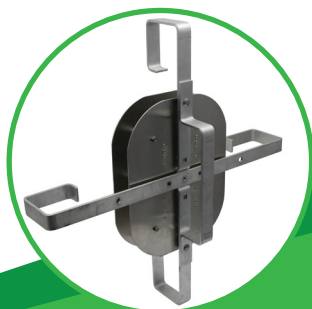
✓ Cable storage assembly AL300.08-16 for drop cables with fixing tray



- Material: Aluminum/galvanized steel
- Compact construction
- UV resistant
- Corrosion resistant
- Low and high temperature resistance

Technical data	Product ID	Material	Dimensions [mm]	Max. length of storage cable [m]	Dedicated to splice closures	Weight [kg]
	ALU300-08	Aluminum	55x250x330	50	GFP-8E	1.4
	ALU300-12	Aluminum	55x250x330	50	GFP-8B	1.4
	ALU300-16	Aluminum	55x250x330	50	GFP-16G, 16A, 16D, 16N, 24N	1.4
	ALU300-08-S	Galvanized steel	55x250x330	50	GFP-8E	1.6
	ALU300-12-S	Galvanized steel	55x250x330	50	GFP-8B	1.6
	ALU300-16-S	Galvanized steel	55x250x330	50	GFP-16G, 16A, 16D, 16N, 24N	1.6

Table 1. Technical properties of cable storage assembly AL300.08-16



- Application:**
- ✓ Telecommunication poles
 - ✓ Telecommunication wells

