

Cable clamps

Cable Clamp DIN 72571

- Application Area**
- For fixing cables, pipes and hoses
- Characteristics**
- DIN 72571, galvanized steel



Technical Data

Material	Steel
Norms	Fixing clips; one-sided fastening

Title	Surface protection	Length	Thickness material	Cable bundle Ø	Drilling-Ø	PU Piece	Article No.
Cable Clamp	zinc plated	-	1 mm	18 mm	5.8 mm	100	869964
Cable Clamp	zinc plated	-	1 mm	22 mm	7 mm	100	869971
Cable Clamp	zinc plated	15 mm	1 mm	15 mm	5.8 mm	100	020117
Cable Clamp	zinc plated	19 mm	1 mm	5 mm	4.8 mm	100	020052
Cable Clamp	zinc plated	20 mm	1 mm	6 mm	4.8 mm	100	020060
Cable Clamp	zinc plated	21 mm	1 mm	7 mm	4.8 mm	100	020079
Cable Clamp	zinc plated	22 mm	1 mm	8 mm	4.8 mm	100	020087
Cable Clamp	zinc plated	22 mm	1 mm	10 mm	4.8 mm	100	020095
Cable Clamp	zinc plated	30 mm	1 mm	12 mm	5.8 mm	100	020109

AGR: 12.231

Round Clip NS-R

Application Area

- Fixing electric cables to walls, wall chasers, wood or other surfaces suitable for nails

Characteristics

- With pre-assembled steel nail

Technical Data

Material	Polypropylene (PP)
Material, Nail	Steel



Title	for cable Ø	Nail Length	PU Piece	Article No.
NAIL CLIP NS-R 5.0-20 GREY	5 mm	20 mm	100	896915
Round Clip NS-R	6 mm	25 mm	250	896922
NAIL CLIP NS-R 7.0-25 GREY	7 mm	25 mm	250	896939
Round Clip NS-R	8 mm	35 mm	200	135554
Round Clip NS-R	10 mm	35 mm	200	135558

AGR: 12.200

INTERNAL/Approved (2019-03-23 01:22:56)

Cable clamps

Plug clamping strip nylon (PA 6)

- Quick and easy mounting
- Only drilling and inserting needed

Application Area

- Nylon-pocked-compartment for the mounting of power cables with Ø 3 mm to Ø 40 mm
- Appropriate for stone, concrete, holstein, sand-lime brick and aerated concrete

Hints

- Drill a 6-mm-hole with a depth of 35 mm to 65 mm, depending on the diameter and number of the cables and electric wires
- Insert the pocket compartement by hand without a tool



Title	Clamping range	Drill hole-Ø	Max. usable length	PU Piece	Article No.
Plug clamping strip	3 - 13 mm	6 mm	13 mm	200	112442
Plug clamping strip	13 - 28 mm	6 mm	-	100	112441

AGR: 12.231

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Knotted Link Chain DIN5686

Technical Data

MaterialSteel



Title	Total Length	Link length	Thickness	Maximum load	PU Bundle	Article No.
NODE CHAIN DIN5686 2,5X35 30M	30 m	35 mm	2.5 mm	280 kN	1	059548

AGR: 12.418

Hook Type "S"



Title	Material	Maximum load	Ø	PU Piece	Article No.
S-HOOK 3MM	Steel	30 kN	3 mm	100	059549

AGR: 12.418

INTERNAL/Approved (2019-03-23 01:23:10)

Hanging systems

Safety link



Title	Material	Maximum load	Ø	PU Piece	Article No.
RESERVE ELEMENT 3MM	Steel	30 kN	3 mm	100	059550

AGR: 12.418

Clamps BKS

- Halogen and silicone-free
- Correct montage due to a oblong diameter of 6mm
- Adjustable on almost all common pipe shells

Application Area

- Installation of plastic pipes in order to lay cables as well as heavy steel pipes DIN 49020 and heavy insulation pipes DIN 49016

Characteristics

- Fastening can be followed and carried out by means of screw/ dowel or with impact dowel (5/6 mm) from clamp M 20, all clamp bodies are provided with an oblong hole for fastening. Up to and inclusive of clamp M 32, all clamp bodies are expandable and can be inserted into C-profile rails.

Hints

- The article numbers 245397, 245389, 245398 and 245399 are not stackable

Technical Data

Material Polypropylene (PP)

Title	Pipe outside Ø	Nominal Size Iec	Nominal Size Iro	Nominal Size Pg	Color	PU Piece	Article No.
Clamps BKS	15 - 16 mm	16	13.5	9	Grey	100	135567
Clamps BKS	20 - 21 mm	20	19	13.5	Grey	100	135583
Clamps BKS	25 - 26 mm	25	23	-	Grey	50	773468
Clamps BKS	31 - 32 mm	32	29	-	Grey	50	773476
Clamps BKS	38 - 40 mm	40	36	-	Grey	30	773484

AGR: 12.900



INTERNAL/Approved (2019-03-23 01:23:24)

Electrical installation

Pipe clamp polypropylen (PP) STP

- Extremely quick mounting
- No screwing or driving in
- Alignment possible through elongated hole
- Stackable at most pipe clamps

Application Area

- Installation of plastic pipes in order to lay cables

Processing Information

- Drilling a 6mm hole, depht of 40 mm
- Insert the plug-in dowel by hand



Title	Clamping range	PU Piece	Article No.
CLAMP Ø 15-16	20 - 21 mm	100	113749
CLAMP Ø 20-21	22 - 23 mm	100	113750

AGR: 13.306

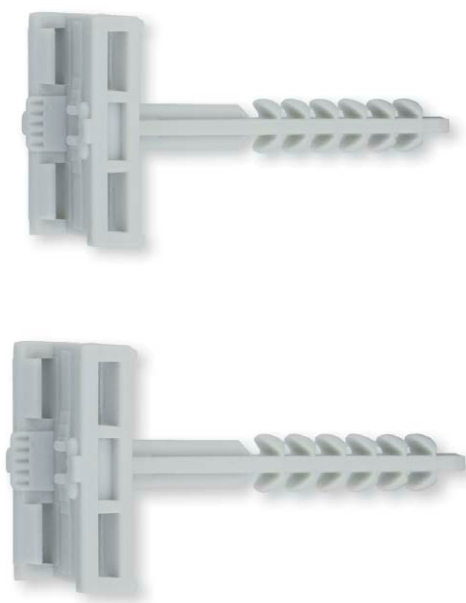
INTERNAL/Approved (2019-03-23 01:23:33)

Steckfix Dowel

- Fixable with little power in walls
- Only a hole with 6 mm needed - dowel can be pressed in the wall by hand
- no screws needed therefore the fitting is faster
- The clamps can be fixed before and also after mounting fixed with the dowel
- Easy demounting without residues

Characteristics

- maximum strain:
- 298 N in concrete
- 268 N in solid bricks
- 274 N in cavity bricks
- 131 N in gas concrete
- 197 N in drywall

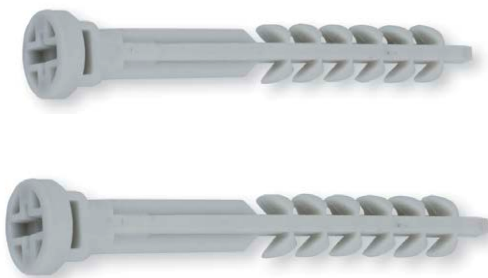


Title	Drill hole-Ø	Length	PU Piece	Article No.
Steckfix Dowel	6 mm	25 mm	100	245215
Steckfix Dowel	6 mm	50 mm	100	245216

AGR: 12.911

Steckfix Plug Dowel

- Fixable with little power in walls
- Only a hole with 6 mm needed - dowel can be pressed in the wall by hand
- No screws needed therefore the fitting is faster
- The clamps can be fixed with the dowel before and also after mounting
- Can also be used with cable ties with a maximum width of 5 mm and 2 mm thickness
- Easy demounting without residues



Title	Drill hole-Ø	Length	PU Piece	Article No.
Steckfix Plug Dowel	6 mm	25 mm	100	245217
Steckfix Plug Dowel 6x50	6 mm	50 mm	100	245218

AGR: 12.911

INTERNAL/Approved (2019-03-23 01:23:45)

Cable Entry Grommets

- Cable protection e.g. against sharp edges

Application Area

- Sealing of feed through holes when laying cables

Characteristics

- Resistant to corrosion, heat, aging, oil, fuel and solvents, made of PVC and plastic, double sided

Technical Data

Material 1	Polyvinyl Chloride (PVC)
	Mineral oil
	Petrol
	Solvent
Chemical Resistance	Deterioration
	Corrosion
	Heat



No.	Title	Internal Ø	Drilling-Ø	Sheet Thickness	PU Piece	Article No.
01	Cable Entry Grommets	4.5 mm	6.5 mm	1.2 mm	25	163694
02	Cable Entry Grommets	5 mm	8 mm	1.5 mm	25	013293
03	Cable Entry Grommets	6 mm	8 mm	1 mm	25	013307
04	Cable Entry Grommets	9 mm	11 mm	1 mm	25	013315
05	Cable Entry Grommets	10 mm	12 mm	1.2 mm	25	013323
06	Cable Entry Grommets	12 mm	15 mm	4 mm	25	013331
07	Cable Entry Grommets	13 mm	16 mm	2 mm	25	013340
08	Cable Entry Grommets	16 mm	24 mm	3 mm	25	013358
09	Cable Entry Grommets	21 mm	31 mm	3 mm	25	013366

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No.	Title	Internal Ø	Drilling-Ø	Sheet Thickness	PU Piece	Article No.
10	Cable Entry Grommets	25 mm	30 mm	3.5 mm	25	013374

AGR: 12.143

Related Products

					PU Assortment	Article No.
BS 3066 Cable Entry Grommets (small)					1	235393
BS 3067 Cable Entry Grommets large					1	235407

Electrical installation

Blind Plugs

Application Area

- Sealing of bore holes in the bodywork

Characteristics

- Rubber

Hints

- Material: NBR elastomer base 50

Technical Data

Material 1 Rubber



No.	Title	Drilling-Ø	PU Piece	Article No.
01	Blind Plugs	6 mm	100	013404
02	Blind Plugs	8 mm	100	013390
03	Blind Plugs	10 mm	100	013412
04	Blind Plugs	12 mm	100	013420
05	Blind Plugs	14 mm	100	013382
06	Blind Plugs	18 mm	100	013439
07	Blind Plugs	20 mm	25	321052
08	Blind Plugs	22.5 mm	25	264814
09	Blind Plugs	25.4 mm	25	264806
10	BLANKG PLUG-RUBBER 28 MM	28 mm	25	806655

AGR: 12.144

Related Products

	PU Assortment	Article No.
BS 3068 Blind Plugs	1	235423

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Round Nail Fixing Washers

- Flat design allows easy plastering over the top
- Continuous nail guide prevents damage to the cable/conduit/ pipe being attached

Application Area

- Quick and easy fixing of electric cables and conduits with varying diameters for concealed installation

Characteristics

- Suitable for fixing risers, material: polyethylene (PE), halogen and silicone free, steel nails hardened and electro-galvanized

Technical Data

Material	Polyethylene (PE)
Material, Nail	Steel
Surface Protection, Nail	ZP zinc plated
Color	White



Title	Disc-Ø	Nail-Ø	Nail Length	PU Piece	Article No.
Round Nail Fixing Washers	35 mm	3 mm	70 mm	100	113185
Round Nail Fixing Washers	35 mm	3.4 mm	70 mm	100	119884

AGR: 12.204

Adhesive Sockets for Cable Straps

Application Area

- For fixing various parts with cable straps
- For fixing onto smooth surfaces free of dust and grease

Characteristics

- Material: polyamide 6.6, halogen-free
- Self adhesive with high adhesive strength

Hints

- Article no. 309354 additionally with 6 mounting holes

Technical Data

Material	Polyamide 6.6
Fastening Type	Self adhesive



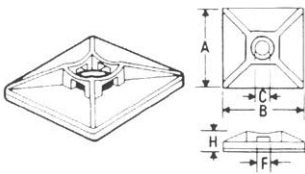
Title	Color	Dimension	Adapter Width, Max.	PU Piece	Article No.
Adhesive Bracket	Nature	19 x 19 x 5.7 mm	4.5 mm	50	309346

AGR: 12.227

Cable tie mount adhesive 4-way entry S 5475

Characteristics

- Self-adhesive bonding



Title	Color	Dimension	Drilling-Ø	Adapter Width, Max.	PU Piece	Article No.
ADH PLINTH 26.5X26.5 S 5475	black	26.5 x 26.5 x 8 mm	4.3 mm	6 mm	100	158673
AGR: 12.227						

Cable fittings and fixing

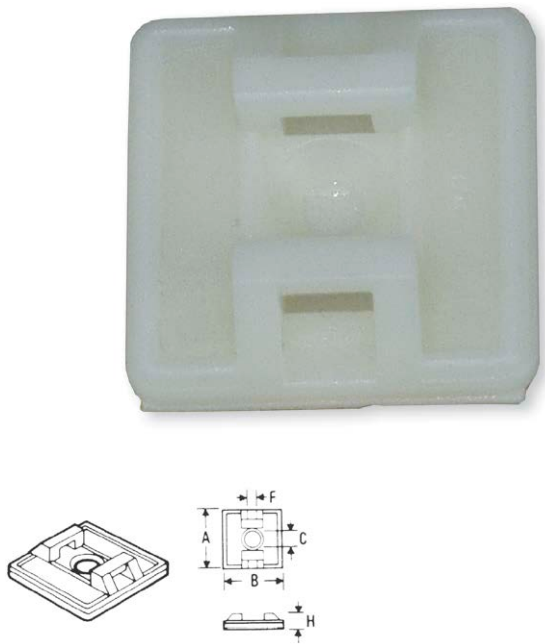
Cable tie mount adhesive 2-way entry

Characteristics

- nylon PA6
Adhesive
2 - way entry

Technical Data

Material	Polyamide 6.6
Fastening Type	glued



Title	Color	Dimension	Drilling-Ø	Adapter Width, Max.	PU Piece	Article No.
ADH PLINTH MP-A N 5427	Nature	25 x 25 x 7 mm	4.3 mm	6 mm	100	768421

AGR: 12.227

One-Sided Cable Clips KB 10

- Mounting with screws and dowels or dowel possible impact

Application Area

- Laying of electrical lines on walls and ceilings

Processing Information

- Recommended fastening spacing: 50 - 100cm

Technical Data

Material	Polyacetat
Color	White



Title	Absorption Capacity Nym 3X1,5Mm, Max	Ø hole	PU Piece	Article No.
One-Sided Cable Clips KB 10	10	6 mm	50	773611

AGR: 12.211

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Douple-Sided Cable Clips KB 10

- Laying of electrical lines on walls and ceilings

Processing Information

- Recommended fastening spacing: 50 - 100cm

Technical Data

Material	Polyacetat
Color	White



Title	Absorption Capacity Nym 3X1,5Mm, Max	Ø hole	PU Piece	Article No.
Douple-Sided Cable Clips KB 10	10	6 mm	50	773581

AGR: 12.211

Cable Strap/Tie with Nylon Tongue

Application Area

- For quick bundling of cables, hoses, etc.

Characteristics

- Material: Polyamide 6.6, halogen- and silicone-free
- Temperature resistance: -40 ° C to + 85 ° C
- Approvals: UL, MIL
- Flammability class: UL 94 V-2
- Black finish: UV-stabilized

Processing Information

- Natural finish for indoor use
- Black version also for outdoor use, since UV-stabilized

Technical Data

Material Polyamide 6.6



Title	Color	Dimension	Cable bundle Ø	Temperature range	PU Piece	Article No.
Cable Strap	Nature	2.5 mm x 102 mm	2 - 16 mm	-40 - +85 °C	100	743461
CABLE TIE 2.5*200WH	Nature	2.5 mm x 200 mm	2 - 51 mm	-40 - +85 °C	100	035013
Cable Strap	Nature	3.6 mm x 150 mm	2 - 32 mm	-40 - +85 °C	100	019739
Cable Strap	Nature	3.6 mm x 202 mm	2 - 51 mm	-40 - +85 °C	100	019747
CABLE TIE 3.6*300WH	Nature	3.6 mm x 300 mm	2 - 80 mm	-40 - +85 °C	100	035014
CABLE TIE 4,8X200MM NAT	Nature	4.8 mm x 200 mm	2 - 51 mm	-40 - +85 °C	100	035015
CABLE TIE WHI 5*250	Nature	4.8 mm x 250 mm	2 - 64 mm	-40 - +85 °C	100	975328
Cable Strap	Nature	4.8 mm x 286 mm	2 - 76 mm	-40 - +85 °C	100	019755
Cable Strap	Nature	4.8 mm x 371 mm	2 - 102 mm	-40 - +85 °C	100	258423
CABLE TIE 7.5*450 NAT	Nature	7.5 mm x 450 mm	5 - 130 mm	-40 - +85 °C	100	933773
CABLE TIE 7.6*200 WH	Nature	7.6 mm x 200 mm	2 - 51 mm	-40 - +85 °C	100	239788
CABLE TIE 300X7,6 NAT	Nature	7.6 mm x 300 mm	2 - 80 mm	-40 - +85 °C	1/100	082899
Cable Strap	Nature	7.6 mm x 368 mm	5 - 102 mm	-40 - +85 °C	100	768871
CABLE TIE WHI 8*450	Nature	7.6 mm x 450 mm	5 - 130 mm	-40 - +85 °C	100	975329
CABLE TIE 8X550 MM WHITE	Nature	8 mm x 550 mm	7 - 166 mm	-40 - +85 °C	100	032553
CABLE TIE 9X430MM NAT	Nature	9 mm x 430 mm	5 - 118 mm	-40 - +85 °C	50	207048
Cable Strap	Nature	9 mm x 610 mm	2 - 188 mm	-40 - +85 °C	100	042034

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Cable fittings and fixing

Title	Color	Dimension	Cable bundle Ø	Temperature range	PU Piece	Article No.
CABLE TIE 9,0X762 MM WHITE	Nature	9 mm x 762 mm	8 - 236 mm	-40 - +85 °C	100	032554
CABLE TIE 9.0X780 NAT	Nature	9 mm x 780 mm	5 - 235 mm	-40 - +85 °C	50	157108
CABLE TIE 9,0X914 MM WHITE	Nature	9 mm x 914 mm	5 - 270 mm	-40 - +85 °C	100	032556
Cable Strap	black	2.5 mm x 102 mm	2 - 16 mm	-40 - +85 °C	100	930251
CABLE TIE 2.5*200 BK UV	black	2.5 mm x 200 mm	2 - 51 mm	-40 - +85 °C	100	035018
Cable Strap	black	3.6 mm x 150 mm	2 - 32 mm	-40 - +85 °C	100	772399
Cable Strap	black	3.6 mm x 202 mm	2 - 51 mm	-40 - +85 °C	100	182853
CABLE TIE 3.6*300 BK UV	black	3.6 mm x 300 mm	5 - 110 mm	-40 - +85 °C	100	549436
CABLE TIE 4.8*200 BK UV	black	4.8 mm x 200 mm	2 - 51 mm	-40 - +85 °C	100	549444
CABLE TIE 4.8X250MM BLACK	black	4.8 mm x 252 mm	2 - 66 mm	-40 - +85 °C	100	088071
Cable Strap	black	4.8 mm x 286 mm	2 - 76 mm	-40 - +85 °C	100	113820
CABLE TIE 4.8*300 BK UV	black	4.8 mm x 300 mm	2 - 80 mm	-40 - +85 °C	100	239754
Cable Strap	black	4.8 mm x 371 mm	2 - 102 mm	-40 - +85 °C	100	113821
CABLE TIE 4.8*390 BK UV	black	4.8 mm x 390 mm	5 - 110 mm	-40 - +85 °C	100	265888
NYL.CABLE TIES 4,5X430 BLACK	black	4.8 mm x 428 mm	5 - 123 mm	-40 - +85 °C	1/100	006624
Cable Strap/Tie with Nylon Tongue	black	4.8 mm x 500 mm	5 - 50 mm	-40 - +85 °C	100	171210
NYL.CABLETIES 7,5X280 BLACK	black	7.5 mm x 280 mm	2 - 76 mm	-40 - +85 °C	1/100	002524
CABLE TIE 7.6*200 BK	black	7.6 mm x 202 mm	2 - 80 mm	-40 - +85 °C	100	239789
Cable Strap	black	7.6 mm x 368 mm	5 - 102 mm	-40 - +85 °C	100	768812
CABLE TIE 7.6*390 BK UV	black	7.6 mm x 390 mm	5 - 110 mm	-40 - +85 °C	100	549460
CABLE TIE 7.8*465 BK	black	7.6 mm x 450 mm	5 - 130 mm	-40 - +85 °C	100	933774
CABLE TIE 8.0X550 BK	black	8 mm x 550 mm	5 - 166 mm	-40 - +85 °C	100	171208
NYL.CABLE TIES 9,0X430 BLACK	black	9 mm x 425 mm	5 - 123 mm	-40 - +85 °C	1/50	006625
CABLE TIE 9,0X610MM BLACK	black	9 mm x 610 mm	2 - 188 mm	-40 - +85 °C	100	105488
CABLE TIE 9.0X762 BK	black	9 mm x 762 mm	5 - 236 mm	-40 - +85 °C	100	171209
CABLE TIE 9.0X780 BLACK	black	9 mm x 770 mm	5 - 240 mm	-40 - +85 °C	50	157109
CABLE TIE 9,0X914 MM BLACK	black	9 mm x 914 mm	7 - 270 mm	-40 - +85 °C	100	032555
CABLE TIE 9,0X1168 BLACK	black	9 mm x 1168 mm	7 - 360 mm	-40 - +85 °C	100	082022

AGR: 12.220

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Cable fittings and fixing

Berner Assortment 3050 Cable Tapes

Scope Of Delivery

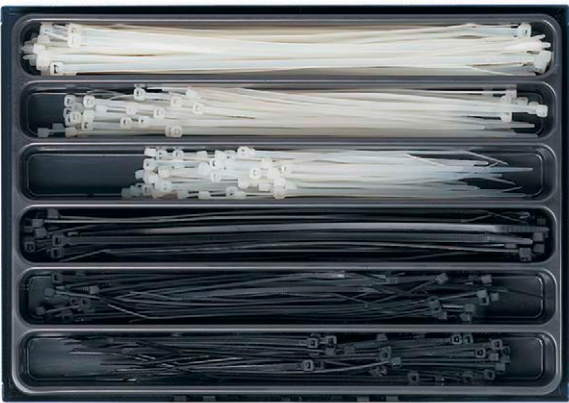
- 6 dimensions
- 300 parts

Title	PU Piece	Article No.
BS 3050 CABLE TAPES	1	807362

AGR: 07.904

Scope Of Supply

	Piece	Article No.
Cable Strap 202 x 3,6 mm natural	50	019747
Cable Strap 150 x 3,6 mm natural	50	019739
Cable Strap 150 x 3,6 mm black	50	772399
Cable Strap 202 x 3,6 mm black	50	182853
Cable Strap 286 x 4,8 mm black	50	113820
Cable Strap 286 x 4,8 mm natural	50	019755



Colored cable binders with nylon tongue

Application Area

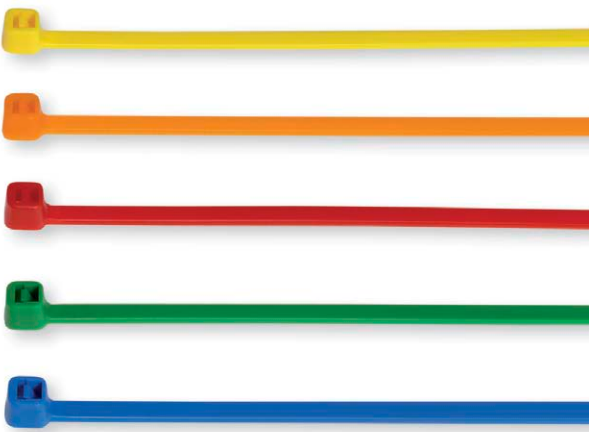
- For color coding of line bundles

Characteristics

- Material: polyamide 6.6, halogen and silicone free
- Temperature resistance: -40 ° C to + 85 ° C
- Approvals: UL, MIL
- Flammability: UL 94 V-2

Technical Data

Material Polyamide 6.6



Title	Color	Dimension	Cable bundle Ø	Temperature range	PU Piece	Article No.
CABLE TIE 3,6X200MM BLUE	Blue	3.6 mm x 200 mm	2 - 54 mm	-40 - 85 °C	100	180802
CABLE TIE 4,8X290MM BLUE	Blue	4.8 mm x 290 mm	2 - 81 mm	-40 - 85 °C	100	180737
CABLE TIE 3,6X200MM GREEN	Green	3.6 mm x 200 mm	2 - 54 mm	-40 - 85 °C	100	180803
CABLE TIE 4,8X290MM GREEN	Green	4.8 mm x 290 mm	2 - 81 mm	-40 - 85 °C	100	180738
CABLE TIE 3,6X200MM ORANGE	Orange	3.6 mm x 200 mm	2 - 54 mm	-40 - 85 °C	100	180804
CABLE TIE 4,8X290MM ORANGE	Orange	4.8 mm x 290 mm	2 - 81 mm	-40 - 85 °C	100	180739
CABLE TIE 3,6X200MM RED	Red	3.6 mm x 200 mm	2 - 54 mm	-40 - 85 °C	100	180800
CABLE TIE 4,8X290MM RED	Red	4.8 mm x 290 mm	2 - 81 mm	-40 - 85 °C	100	180805
Colored cable binders with nylon tongue	Red	7,6 mm x 540 mm	5 - 160 mm	-	100	352160
CABLE TIE 3,6X200MM YELLOW	Yellow	3.6 mm x 200 mm	2 - 54 mm	-40 - 85 °C	100	180801
CABLE TIE 4,8X290MM YELLOW	Yellow	4.8 mm x 290 mm	2 - 81 mm	-40 - 85 °C	100	180736

AGR: 12.220

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Cable fittings and fixing

Cable tie with nylon tongue "Marine" UV and salt water resistant

Application Area

- For the rapid bundling of cables, tubes in outdoor areas, particularly usable in higher altitudes with strong solar radiation and permanent effects due to salt water

Characteristics

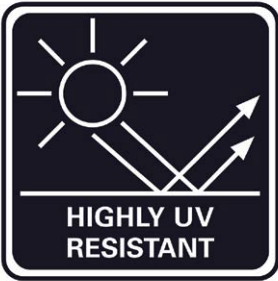
- Sun and salt water resistant
- Acid and alkali resistant
- Can't be disconnected again
- Material: weather and uv resistant polyamide 6.6
- Temperature resistance: from -59 °C to +85 °C
- Authorized by UL 94 V-2
- UV-resistance certified according to ISO 4892-2

Technical Data

Material Polyamide 6.6

Title	Color	Dimension	Cable bundle Ø	PU Piece	Article No.
CABLE TIE 2,5X100MM UVR BLACK	black	2.5 mm x 100 mm	2 - 16 mm	100	180191
CABLE TIE 3,3X150MM UVR BLACK	black	3.3 mm x 150 mm	2 - 32 mm	100	180192
CABLE TIE 3,6X201MM UVR BLACK	black	3.6 mm x 201 mm	2 - 51 mm	100	180193
CABLE TIE 4,8X290MM UVR BLACK	black	4.8 mm x 290 mm	2 - 76 mm	100	180194
CABLE TIE 4,8X371MM UVR BLACK	black	4.8 mm x 371 mm	2 - 102 mm	100	180195
CABLE TIE 7,6X370MM UVR BLACK	black	7.6 mm x 370 mm	2 - 102 mm	100	180196
CABLE TIE 7,6X542MM UVR BLACK	black	7.6 mm x 542 mm	5 - 166 mm	100	180197
CABLE TIE 8,8X774MM UVR BLACK	black	8.8 mm x 774 mm	5 - 236 mm	100	180198
CABLE TIE 8,8X920MM UVR BLACK	black	8.8 mm x 920 mm	7 - 270 mm	100	180199

AGR: 12.220



Cable tie with nylon tongue and labelling area
2

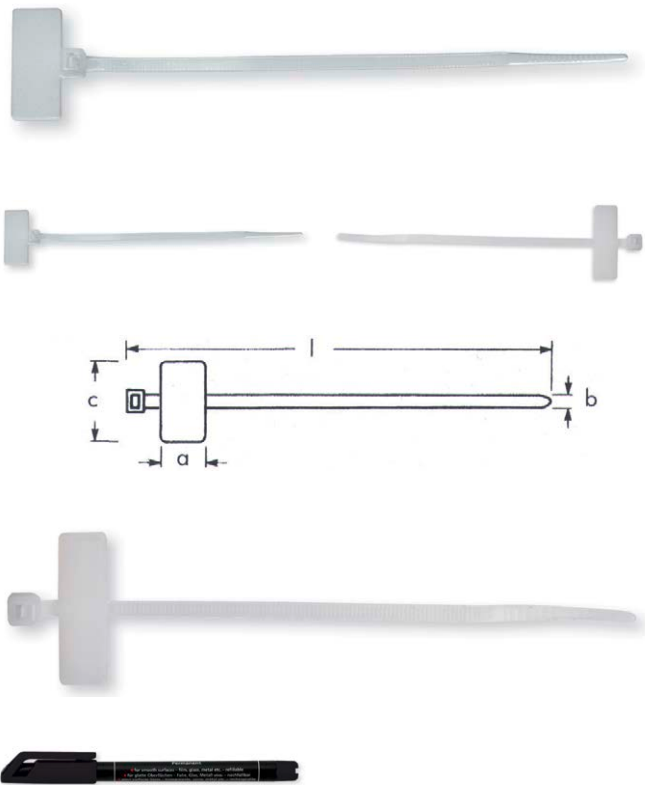
- Cable bundles can be easily labeled through the incorporated labeling area

Characteristics

- Labeling area 100x2,5: 8x25mm
- Labeling area 200x4,6: 28x13mm

Technical Data

Material	Acid resistant special plastic
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Title	Color	Dimension	Cable bundle Ø	PU Piece	Article No.
IDENTIFIC. TIES 2,5X110	Nature	2.5 mm x 100 mm	2 - 21 mm	100	000972

AGR: 12.228

Cable tie with metal tongue

- infinitely adjustable

Characteristics

- Material: polyamide 6.6, halogen and silicone free
- Temperature resistance: -40°C to + 85°C
- Approvals: UL
- Flammability: UL 94 V-2
- Black Finish: UV-stabilized

Processing Information

- Natural-colored version for indoor use
- Black finish also for outdoor use because UV-stabilized

Hints

- Cable ties with metal blade more resilient



INTERNAL/Approved (2019-03-23 01:26:14)

Cable fittings and fixing

Technical Data

Material		Polyamide 6.6				
Title	Color	Dimension	Cable bundle Ø	Temperature range	PU Piece	Article No.
CABLE TIE TY-RAP 24M 3.6X140 T	Nature	3.6 mm x 140 mm	1.6 - 30 mm	-40 - 85 °C	100	197696
CABLE TIE TY-RAP 26M 3.6X281 T	Nature	3.6 mm x 281 mm	1.6 - 95 mm	-40 - 85 °C	1/100	197718
CABLE TIE TY-244 M 3.6X368 T	Nature	3.6 mm x 368 mm	1.6 - 115 mm	-40 - 85 °C	100	346683
Cable Tie	Nature	4.8 mm x 186 mm	2 - 45 mm	-40 - 85 °C	100	197700
CAB TIE TY-RAP 24MO 3.6X140 S	black	3.6 mm x 140 mm	1.6 - 30 mm	-40 - 85 °C	100	334014
CAB TIE TY-RAP 26MO 3.6X281 S	black	3.6 mm x 281 mm	1.6 - 95 mm	-40 - 85 °C	100	334030
CABLE TIE TY-244 MZ 3.6X368 S	black	3.6 mm x 368 mm	1.6 - 115 mm	-40 - 85 °C	100	346691
CABLE TIE MZ 4.5X360MM BLACK	black	4.5 mm x 360 mm	3 - 103 mm	-40 - 85 °C	100	199650
Cable Tie	black	4.8 mm x 186 mm	2 - 45 mm	-40 - 85 °C	100	334022
Cable tie with metal tongue	black	7,5 mm x 360 mm	4.8 - 101 mm	-	50	341184

AGR: 12.221

Cable Straps with Arrowhead Fixing



Characteristics

- Material: Polyamide 6.6, halogen-free
- Temperature resistance: -40 ° C to + 85 ° C, briefly up to + 105 ° C (500 h)
- Flammability: UL 94 V-2

Technical Data

Material		Polyamide 6.6				
Title	Color	Dimension	Cable bundle Ø	Temperature range	PU Piece	Article No.
Cable Straps	Nature	4.7 mm x 200 mm	1.6 - 45 mm	-40 - 85 °C	100	099856

AGR: 12.222

INTERNAL/Approved (2019-03-23 01:26:22)

Cable Straps with Arrowhead Fixing



Characteristics

- Material: Polyamide 6.6, halogen-free
- Temperature-resistant: -40°C to +85°C, up to +105°C for a short term (500 h)
- Class of inflammability: UL 94 V-2

Technical Data

Material	Polyamide 6.6
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Title	Color	Dimension	Cable bundle Ø	Temperature range	PU Piece	Article No.
Cable Straps	Nature	3.6 mm x 161 mm	1.6 - 31 mm	-40 - 85 °C	100	099708

AGR: 12.222

Cable tie detectable



Application Area

- The detectable cable ties were produced especially for the food and pharmaceutical industry
- Metal detectors, X-ray apparatus or visual detection systems recognise possible contaminations through cable ties or parts of it
- They help by the realization of the HACCP guideline (Hazard Analysis and Ccritical Control Points)



with steel tongue

Technical Data

Material	Polyamide (PA)	Polypropylene (PP)
----------	----------------	--------------------

Title	Dimension	PU Piece	Article No.
cable tie	2,4 mm x 92 mm	1/100	338203
cable tie	2,4 mm x 92 mm	1/100	338207
cable tie	4,8 mm x 186 mm	1/100	338204
cable tie	4,8 mm x 186 mm	1/100	338200
cable tie	4,8 mm x 360 mm	1/100	338205
cable tie	4,8 mm x 360 mm	1/100	338201
cable tie	7,0 mm x 340 mm	1/50	338206
cable tie	7,0 mm x 340 mm	1/50	338202

AGR: 12.221

INTERNAL/Approved (2019-03-23 01:26:38)

Cable fittings and fixing

Chassis Straps

- Both sides interlocked, so the looping of both sides is possible (only Article no. 132586/132578)
- Small, square head for tight installation conditions
- Released again, as long as the fastening tape was not tense



Characteristics

- Material: polyamide 6.6, halogen-free
- Temperature resistance: -40 ° C to + 105 ° C, short term up to + 145 ° C (500 h) (only Item No. 132586/132578.)
- Flammability: UL 94 V-2
- Weather-resistant, mold-resistant, self-extinguishing
- sturdy construction

Hints

- Article no. 132594: DB-Original no. 0019978390
Article no. 132578: DB-Original no. 0019978490
Article no. 132594 non-heat stabilized, therefore
Temperaturbeständigkeit to + 85°C

Technical Data

Material	Polyamide 6.6
----------	---------------

Title	Color	Dimension	Temperature range	PU Piece	Article No.
Chassis Straps	black	4.8 mm x 279 mm	-40 - 105 °C	100	132594
Chassis Straps	black	7.6 mm x 203 mm	-40 - 105 °C	50	132586
Chassis Straps	black	7.6 mm x 375 mm	-40 - 105 °C	50	132578

AGR: 12.224

Chassis Strap with Round Head

- Both sides interlocked, so the looping of both sides is possible
- Round head with centering, whereby the fastening tape in the hole is centered
- Released again, as long as the fastening tape was not tense



Characteristics

- Material: polyamide 6.6, halogen-free
- Temperature resistance: -40 ° C to + 105 ° C, short term up to + 145 ° C (500 h)
- Flammability: UL 94 V-2

INTERNAL/Approved (2019-03-23 01:26:44)

Cable fittings and fixing

Hints

- DB original no. 0069971 190

Technical Data

Material	Polyamide 6.6
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Title	Color	Dimension	Temperature range	PU Piece	Article No.
CHASSIS TAPE 7.6X375MM M.KO BK	black	7.6 mm x 375 mm	-40 - 105 °C	100	167439

AGR: 12.224

Receptacles for Cable Straps

- Cable band displaced

Application Area

- Ideal for installation in vehicle wiring harnesses

Characteristics

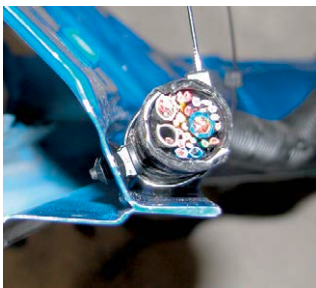
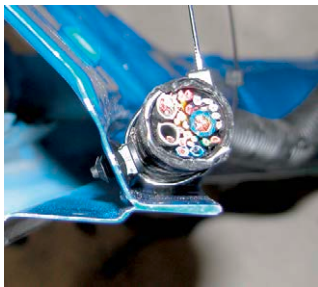
- Material: polyamide 6.6, halogen-free
- Temperature resistance: -40 °C to + 85 °C
- UV-stabilized

Hints

- For bore hole diameters from 6.0 to 7.0 mm and cable strap widths of up to 5.0 mm

Technical Data

Material	Polyamide 6.6
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Title	Color	Dimension	Adapter Width, Max.	Ø head	Insertion Depth	PU Piece	Article No.
Receptacle	black	5 mm	5 mm	16.5 mm	9 mm	50	008177

AGR: 12.227

INTERNAL/Approved (2019-03-23 01:26:48)

Cable fittings and fixing

Handy Bundler

- Time-saving and easy, as bundles, tensioning and cutting is done in one operation
- Economical, as no waste, low storage costs
- Universally applicable, because each required cable length of tape to produce
- Clean look, because through no tape ends

Application Area

- For the attachment of cables, hoses, pneumatic and hydraulic lines

Characteristics

- Material :Polyamide 6.6
- Temperature resistant from -40 ° C to + 85 ° C
- Cable band width: 4.6 mm
- black version: UV-resistant

Processing Information

- Natural-colored version for indoor use
- Black finish also for outdoor use because UV-stabilized

Scope Of Delivery

- Handy Bundler
- 15 m cable band of each color
- 200 clips of each desired color

Technical Data

Material	Polyamide 6.6
----------	---------------



Title	Color	Dimension	Temperature range	PU Piece	Article No.
Handy Bundler	black	4.6 mm x 15 m	-40 - 85 °C	1	746150
Spare Parts				PU Amount	Article No.
Cable Strap Clip 15 m black				1	746029
Cable Strap Clip black				200	745995

INTERNAL/Approved (2019-03-23 01:27:00)

Cable bundle tie pliers blue

- Professionele kabelbundelband spantang met automatisch
- band afsnijmechanisme
- Snel en eenvoudig spannen en afsnijden van kabelbundel
- banden in èèn handeling
- Spankracht traploos instelbaar met draaiknop, voorzien van
- indicator
- Makkelijke een hand bediening, ook op moeilijk bereikbare
- plaatsen
- Gietmetalen greep, mechanisme in staal uitgevoerd
- Geschikt voor kunststof kabelbundelbanden breedte 2,4 mm
- tot 6,35 mm

Title	Color	PU Piece	Article No.
Cable bundle tie pliers blue	Blue	1	209205

AGR: 12.226



CLAMPINGTOOL F. WIDE CABLE TIE



Title	PU Piece	Article No.
CLAMPINGTOOL F. WIDE CABLE TIE	1	339343

AGR: 12.226

INTERNAL/Approved (2019-03-23 01:27:05)

CLAMPINGTOOL F. A2 CALBLE TIE



Title	PU Piece	Article No.
CLAMPINGTOOL F. A2 CALBLE TIE AGR: 12.226	1	339344

Cable ties with nylon tongue

- High quality
 - Made in EU
 - High temperature resistance
 - Long lasting

Application Area

- For quick bundling of cables, hoses

Processing Information

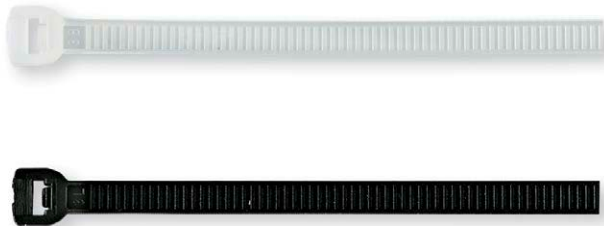
- Natural finish for indoor use
- Black version also for outdoor use, since UV-stabilized

Hints

- Halogen- and silicone-free

Technical Data

Material	Polyamide 6.6
Approval	UL
Flammability class of raw material	UL 94 V-2



Cable fittings and fixing

Title	Color	Dimension	Cable bundle Ø	Temperature range	Tensile Strength max.	PU Piece	Article No.
Cable tie	Nature	2.5 mm x 100 mm	2 - 24 mm	-40 - 85 °C	80 N	100	369944
Cable tie	Nature	2.5 mm x 200 mm	2 - 55 mm	-40 - 85 °C	80 N	100	369946
Cable tie	Nature	3.5 mm x 140 mm	3 - 36 mm	-40 - 85 °C	150 N	100	370381
Cable tie	Nature	3.5 mm x 200 mm	3 - 55 mm	-40 - 85 °C	150 N	100	369955
Cable tie	Nature	3.5 mm x 280 mm	3 - 80 mm	-40 - 85 °C	150 N	100	369958
Cable tie	Nature	4.5 mm x 280 mm	5 - 76 mm	-40 - 60 °C	220 N	100	369965
Cable tie	Nature	4.5 mm x 360 mm	5 - 101 mm	-40 - 60 °C	220 N	100	369975
Cable tie	Nature	4.5 mm x 430 mm	5 - 123 mm	-40 - 60 °C	220 N	100	369979
Cable tie	Nature	7.5 mm x 360 mm	5 - 101 mm	-40 - 85 °C	460 N	100	369984
Cable tie	Nature	7.5 mm x 450 mm	20 - 130 mm	-40 - 85 °C	460 N	100	369987
Cable tie	black	2.5 mm x 100 mm	2 - 24 mm	-40 - 85 °C	80 N	100	369943
Cable tie	black	2.5 mm x 200 mm	2 - 55 mm	-40 - 85 °C	80 N	100	369945
Cable tie	black	3.5 mm x 140 mm	3 - 36 mm	-40 - 85 °C	150 N	100	369947
Cable tie	black	3.5 mm x 200 mm	3 - 55 mm	-40 - 85 °C	150 N	100	369954
Cable tie	black	4.5 mm x 200 mm	3 - 51 mm	-40 - 85 °C	220 N	100	369959
Cable tie	black	4.5 mm x 280 mm	5 - 76 mm	-40 - 85 °C	220 N	100	369964
Cable tie	black	4.5 mm x 360 mm	5 - 101 mm	-40 - 85 °C	220 N	100	369974
Cable tie	black	7.5 mm x 360 mm	5 - 101 mm	-40 - 85 °C	460 N	100	369986
Cable tie	black	7.5 mm x 450 mm	20 - 130 mm	-40 - 85 °C	460 N	100	369988

AGR: 12.220

Cable fittings and fixing

Colored cable ties with nylon tongue

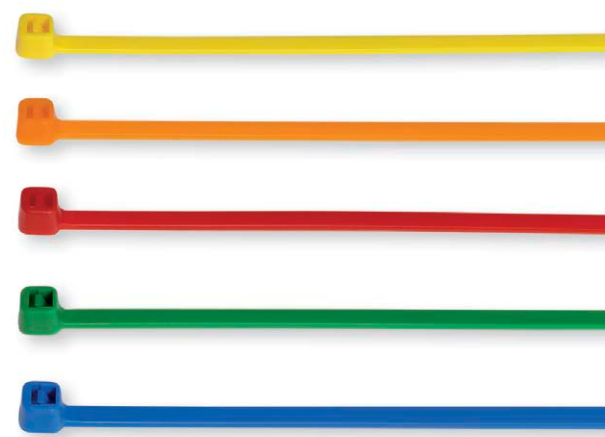
- High quality
 - Made in EU
 - High temperature resistance
 - Long lasting

Hints

- Halogen- and silicone-free

Technical Data

Material	Polyamide 6.6
Flammability class of raw material	UL 94 HB



Title	Color	Dimension	Cable bundle Ø	Temperature range	Tensile Strength max.	PU Piece	Article No.
Cable tie	Blue	3.5 mm x 200 mm	3 - 55 mm	-15 - 85 °C	180 N	100	369951
Cable tie	Green	3.5 mm x 200 mm	3 - 55 mm	-15 - 85 °C	180 N	100	369952
Cable tie	Grey	4.5 mm x 200 mm	3 - 51 mm	-5 - 85 °C	220 N	100	369961
Cable tie	Grey	4.5 mm x 280 mm	5 - 76 mm	-5 - 85 °C	220 N	100	369966
Cable tie	Orange	3.5 mm x 200 mm	3 - 55 mm	-15 - 85 °C	180 N	100	369953
Cable tie	Red	3.5 mm x 200 mm	3 - 55 mm	-15 - 85 °C	180 N	100	369948
Cable tie	Yellow	3.5 mm x 200 mm	3 - 55 mm	-15 - 85 °C	180 N	100	369949

AGR: 12.220

Zinc-plated Perforated Assembly Tape

Application Area

- Attaching heating, water or conduits for electric cables in concrete by Fixpin, plugs etc.

Characteristics

- Galvanized design, can be assembled in an optimal way - always the correct length, therefore no waste, material thickness 0.75 mm

Technical Data

Material	Steel
----------	-------



Title	Band Thickness	Width	Hole Ø	Web Thickness	Length	PU Amount	Article No.
Perforated Assembly Tape Box	0.75 mm	12 mm	5 mm	3 mm	10 m	1/10/20/50	170910
Galvanized Perforated Assembly Tape	0.75 mm	12 mm	5 mm	3 mm	10 m	1/10	519160
Galvanized Perforated Assembly Tape	0.75 mm	17 mm	6 mm	5 mm	10 m	1/10	042854
PERF.ASSY.TPE SL 26 GALVANISED	0.8 mm	26 mm	8 mm	9 mm	10 m	1/10	863436

AGR: 13.330

Cable fittings and fixing

Plastic-Coated Perforated Assembly Tape

Application Area

- Fixing of heating, water or conduits for electric cables on concrete using dowels or Fixpin Direct mounting

Characteristics

- Zinc-plated, optimally-assembled - always appropriate length, thus no waste,
- Plastic coating prevents damage to the surface of the fixture workpiece

Processing Information

- Processing using direct assembly /stud driver thrust is also possible

Technical Data

Material	Steel
----------	-------



Title	Band Thickness	Width	Hole Ø	Web Thickness	Length	PU Roll	Article No.
Coated Perforated Assembly Tape	1.9 mm	19 mm	6.5 mm	9 mm	10 m	1/10	101235
Perforated Assembly Tape	2.4 mm	14 mm	5.2 mm	5 mm	10 m	1/10	001338

AGR: 13.330

Fabric Assembly Tape

- In a throw-away carton, no spontaneous unwinding possible
- No oxidation when connected with CU-tubes
- Cutting into the tube insulation no longer possible
- No damage of the galvanized water pipes possible
- Can easily be cut with a blade or a pair of scissors
- No sticking to prescribed hole spacings
- Weight reduction - 50 % lighter than SL 12

Technical Data



INTERNAL/Approved (2019-03-23 01:28:19)

Cable fittings and fixing

Breaking Strength 300 kg



Title	Length	Width	PU Piece	Article No.
ASSY LINE 15MM/25M FABRIC	25 m	15 mm	1/10/20	158867

AGR: 13.330

Fix Pin

Application Area

- Attachment of pipe brackets, perforated tape, etc. in concrete and all solid materials without drilling and doweling

Characteristics

- Smooth shaft for standard mountings
- Specially hardened steel material

Processing Information

- Put the Fixpin up to the collar into the setting iron
- Using a hammer or mallet

Hints

- Only process with a setting tool iron, drive in vertically
- Goggles recommended (hardened steel nails may break)



Title	Length Without Head	Fastening Power, Max.	PU Piece	Article No.
FIXPIN 18 SMALL COLLAR	18 mm	6 mm	200	165429
FIXPIN 18 SMALL COLLAR	18 mm	6 mm	1	036100
FIXPIN 18 SMALL COLLAR	18 mm	6 mm	1	036101
FIXPIN 18 SMALL COLLAR	18 mm	6 mm	1	036102

AGR: 01.514

Profi Fixing Pin

- Fast, simple and reliable fixing of pipes on concrete
- Mounting makes drilling and doweling superfluous

Application Area

- Fixing of pipes in the sanitary, heating and air-conditioning trade
- Fixing of ducts and protective pipes in the electrical trade

Characteristics

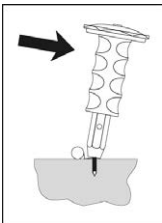
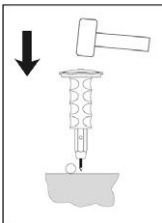
- Grooved shaft for higher holding strength
- Specially hardened steel material

Processing Information

- Suitable for processing with placement iron Uni or placement iron Profi Plus
- Put the Fixpin up to the collar into the setting iron
- Using a hammer or mallet

Hints

- Only process with a setting tool iron, drive in vertically
- Goggles recommended (hardened steel nails may break)



Title	Nominal Ø	Total Length	Fastening Power, Max.	PU Piece	Article No.
Profi Fixing Pin	4 mm	18 mm	6 mm	200	802718
FIXPIN 18 MM PROF.	4 mm	18 mm	6 mm	1	036103
FIXPIN 18 MM PROF.	4 mm	18 mm	6 mm	1	036104

AGR: 01.514

INTERNAL/Approved (2019-03-23 01:28:41)

Cable fittings and fixing

Fixing Pin Placement Iron Uni

- Pipes can be fixed on concrete in a quick, easy and safe way
- No drilling and doweling necessary

Application Area

- For the placement of the Standard Fixing Pin and Profi Fixing Pin

Characteristics

- Specially hardened steel, 3 different Fixpin models: Standard, Profi, Profi Plus

Processing Information

- Complies with DIN 255 for striking tools, large-area protective hand guard

Title	PU Piece	Article No.
Fixing Pin Placement Iron Uni	1	802974

AGR: 01.515



Cable pulling box with fiberglass strip 3 mm

- Quick winding and unwinding of the tie
- Sturdy housing which protects the tie
- High thrust power of the cable tie

Characteristics

- Cable pulling devive with a Ø 3 mm fiber glass tape and a polypropylene-covering, complete with front/end grommet M5 and supplies



Title	Ø	Length	PU Piece	Article No.
FIBERGLASS ROD BOX D3 20MT	3 mm	20 m	1	157649
FIBERGLASS ROD BOX D3 30MT	3 mm	30 m	1	157759

AGR: 12.992

Scope Of Supply	Piece	Article No.
Pulling-pushing Grip D3-D6	1	157902
(960943_12_1_AT01_EinziehbandFiberglas)	1	-
(960943_13_1_AT01_FederfhrungskopfundZugs)	1	-

Cable fittings and fixing

Cable pulling strip fiberglass 3 mm
- Replacement

- Flexible strip with high thrust

Characteristics

- Fiberglass cable pulling system spare tape Ø 3mm with polypropylene-coating and rod ends M5



Title	Ø	Length	PU Piece	Article No.
SPARE FIBERGLASS ROD D3 20MT	3 mm	20 m	1	157607
SPARE FIBERGLASS ROD D3 30MT	3 mm	30 m	1	157648
AGR: 12.992				
Scope Of Supply			Amount	Article No.
(960876_11_1_AT01_ZugseM5Bild1)			1	-
(960876_12_1_AT01_FederfhrungskopfM57mmBi)			1	-

Spare parts for cable pulling strip fiberglass 3 mm

Characteristics

- Spare parts and a repair set for fiberglass strip Ø 3 mm.

Scope Of Delivery

- 2 endpieces M5
- 2 connecting sleeves
- 1 spring guide head
- 2 drawbar eyes
- 1 cyanacrylate glue 3 g



Title	Ø	PU Piece	Article No.
SPARE PARTS 8PCS FIBERGLASS D3	3 mm	1	157740

AGR: 12.992

Cable pulling reel with fiberglass strip 4.5 mm

- Easy and quick winding and unwinding of the tie via a guide eyelet and bremsverschluss
- Lightweight
- Robust steel reel
- Tie with high thrust

Characteristics

- Cable pulling reel with fiber glass rod Ø 4,5 mm with polypropylene-covering-coating, complete with front/end grommet M5 and tension head M5 with grommet



Title	PU Piece	Article No.
VERTICAL CAGE D4,5 40MT	1	157775

AGR: 12.992

INTERNAL/Approved (2019-03-23 01:29:17)

Cable fittings and fixing

Cable pulling strip fiberglass 4.5 mm
- Replacement



Title	Ø	Length	PU Piece	Article No.
SPARE FIBERGLASS ROD D4,5 40M	4.5 mm	40 m	1	157767

AGR: 12.992

Repair set for cable pulling strip fiberglass 4.5 mm

Characteristics

- Spare parts and a repair set for fiberglass strip Ø 4.5 mm with a M5 endpiece.

Scope Of Delivery

- 1 endpiece M5 - Ø 6 mm (picture 1)
- 1 connecting sleeve M5 - Ø 6 mm (picture 2)
- 1 2K-glue (picture 3)



Title	PU Set	Article No.
REPAIR SET FIBERGLASS D4,5	1	157910

AGR: 12.992

Spare parts for cable pulling strip fiberglass 4.5 mm



Characteristics

- Supplies for fiberglass strip Ø 4,5 with a M5 endpiece

Scope Of Delivery

- 1 drawbar eye with shackles (picture 1)
- 1 spring guide head (picture 2)

Title	Ø	PU Set	Article No.
SET INTERCHANGEABLE TERMINALS	4.5 mm	1	157953

AGR: 12.992

Cable pulling reel with fiberglass strip 6 mm

- Easy and quick winding and unwinding of the tie via a guide eyelet and bremsverschluss
- Lightweight
- Robust steel reel
- Strip with high thrust



Application Area

- Particularly suitable for underground installations

Characteristics

- Cable pulling device with a Ø 6 mm fiber glass stick and a polypropylene-covering, complete with front/end grommet M6 and tension head with a grommet. Coiled on a galvanized and powder-coated steel reel in an upright implementation with a basket diameter of 550 mm.

Title	Ø	Length	PU Piece	Article No.
VERTICAL CAGE D6 50MT	6 mm	50 m	1	157791

AGR: 12.992

INTERNAL/Approved (2019-03-23 01:29:33)

Cable fittings and fixing

Cable pulling strip fiberglass 3 mm
- Replacement



Title	Ø	Length	PU Piece	Article No.
SPARE FIBERGLASS ROD D6 50MT	6 mm	50 m	1	157783

AGR: 12.992

Repair set for cable pulling strip fiberglass 6 mm

Characteristics

- Spare parts and a repair set for fiberglass strip Ø 6 mm with a M6 endpiece

Scope Of Delivery

- 1 endpiece M6 - Ø 8 mm (picture 1)
- 1 connecting sleeve (picture 2)
- 1 2K-glue (picture 3)



Title	PU Set	Article No.
REPAIR SET FIBERGLASS D6	1	157937

AGR: 12.992

Spare parts for cable pulling strip fiberglass 6 mm

Characteristics

- Supplies for fiberglass strip Ø 6 mm with M6 endpiece

Scope Of Delivery

- 1 drawbar eye with shackles (picture 1)
- 1 spring guide head (picture 2)

Title	Ø	PU Set	Article No.
SET INTERCHANGEABLE TERMINALS	6 mm	1	157961

AGR: 12.992

move-in bar set

- Move-in bar in different diameters with various flexibilities
- Bars made out of fiberglass reinforced plastic, which is sheltered through an outer PP-protective covering. The protective covering ensures there is no lateral splintering of the fiberglass layer when it comes to a tighter curve radius

Application Area

- Time-saving installation of cables under rough conditions, such as occupied ground or cable ducts, wall and ceiling coverings

Characteristics

- Multifunktional device for cable installation

Scope Of Delivery

- Move-in bar with 4 m or 8m



Cable fittings and fixing

- Art.-Nr. 186321 Move-in bar set 8m:
2x1 m Ø 6,6
- 4x1 m Ø 5,6
- 2x1 m Ø 4,6
- Art.-Nr. 186322 Move-in bar set 4m:
2x1 m Ø 6,6
- 2x1 m Ø 5,6
- Each set contains 4 or 6 supply components: 6 supply components at the Artnr. 186321 Move-in bar set 8m each contains a puncturing end, a light, a magnet, a ferrule, a chain as well as a flexible end with an attached cable. All the components are detachable. Artnr. 186322 move-in bar set 4m the lamp and the flexible end are not included.

Title	Length	PU Set	Article No.
CABLE LAYING FISH STICKS 4M	4000 mm	1	186322
CABLE LAYING FISH STICKS 8M	8000 mm	1	186321

AGR: 12.992

Scope Of Supply	Amount	Article No.
CABLE LAYING FISH STICKS 8M	1	186321



INTERNAL/Approved (2019-03-23 01:29:54)

Equipment move-in bar set

Application Area

- 6-parted supplie set for the move-in bar set, Art.-Nr. 186321 and 186322

Scope Of Delivery

- 6 supply components: a puncturing end, a light, a magnet, a ferrule, a chain as well as a flexible end with an attached cable. All the components are detachable



Title	PU Set	Article No.
ACCESSORIES FISH STICKS	1	186320

AGR: 12.992

Support part for cable pulling strip 3-6 mm

- Polyester strap with good thrust and small friction surface
- Quick winding and unwinding of the strip
- Robust polycarbonate housing with a pulling through device and supplies
- handy folding lever for an easy winding of the strip in the housing
- The device can optimally be used by left- or righthanders through two launch devices



Title	Ø	Length	PU Piece	Article No.
CABLE ROLL POLYESTER 20M 4.8 mm		20 m	1	186324
CABLE ROLL POLYESTER 30M 4.8 mm		30 m	1	186323

AGR: 12.992

Scope Of Supply	Piece	Article No.
Pulling-pushing Grip D3-D6	1	157902
(1069612_12_1_AT01_EinziehbandPolyester)	1	-
(1069612_13_1_AT01_FederfhrungskopfundZug)	1	-

Spare Parts	PU Amount	Article No.
DRAW IN TAPE SPIRAL D4,8 10MT	1	157805
DRAW IN TAPE SPIRAL D4,8 20MT	1	157821



Cable fittings and fixing

Cable pulling strip fiberglass with polyester coated 4.8 mm

- Strip with a good thrust and low friction surface



Title	Ø	Length	PU Piece	Article No.
DRAW IN TAPE SPIRAL D4,8 10MT	4.8 mm	10 m	1	157805
DRAW IN TAPE SPIRAL D4,8 20MT	4.8 mm	20 m	1	157821

AGR: 12.992

Spare parts for cable pulling strip fiberglass with polyester coated 4.8 mm

Scope Of Delivery

- 1 spring guide head M5 Ø 7 mm (picture 1)
- 1 drawbar eye M5 Ø 7 mm (picture 2)



Title	PU Set	Article No.
SET INTERCHANGEABLE TERMINALS	1	157970

AGR: 12.992

Cable pulling strip nylon 4 mm blue

- Highly flexible strip

Application Area

- Ideally suitable for short cable lenth

Characteristics

- Pulling strip made of polyamide suitable for a high degree of thrust stability and a straight resetting of the strip after the bending, with eyelet and suchfeder (10 cm) very flexible for high pace and effortless gliding of the empty conduit network

Hints

- Fix pressed endpieces at the strips with a spring guide button and a pulling eye

Technical Data

Material	Polyamide (Nylon)
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Title	Ø	Length	PU Piece	Article No.
CABLE PULL TAPE/NYLON L5/4	4 mm	5 m	1	151177
CABLE-PULL TAPE 10/4	4 mm	10 m	1	137489
CABLE PULL TAPE / NYLON 15 M	4 mm	15 m	1	133785
CABLE-PULL-IN TAPE 20/4	4 mm	20 m	1	122799

AGR: 12.992

INTERNAL/Approved (2019-03-23 01:30:23)

Cable fittings and fixing

Cable pulling strip nylon 4 mm white

- Most flexible strip

Application Area

- Ideally suitable for short cable lenth



Title	Ø	Length	PU Piece	Article No.
NYLON FISHTAPE D4 5MT	4 mm	5 m	1	157899
NYLON FISHTAPE D4 10MT	4 mm	10 m	1	157864
NYLON FISHTAPE D4 15MT	4 mm	15 m	1	157872
NYLON FISHTAPE D4 20MT	4 mm	20 m	1	157880

AGR: 12.992

Cable pulling strip twisted steel 4 mm

- Draw-in spring made out of four-layered twisted steel wire helixes 4 mm
- Inclusive 2 special see led eyelet,simultaniously usable as drawbar eye

Technical Data

Material	Steel
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Title	Ø	Length	PU Piece	Article No.
STEEL-PULL FEATHER 4MM 10M	4 mm	10 m	1	076072
STEEL-PULL FEATHER 4MM 15M	4 mm	15 m	1	076073
STEEL-PULL FEATHER 4MM 20M	4 mm	20 m	1	076074

AGR: 12.992

INTERNAL/Approved (2019-03-23 01:30:35)

Spare parts for cable pulling strip nylon 4 mm



Application Area

- Spare parts for nylon strips Ø 4 mm with a M4 thread

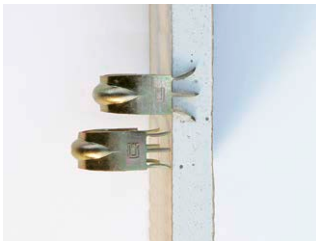
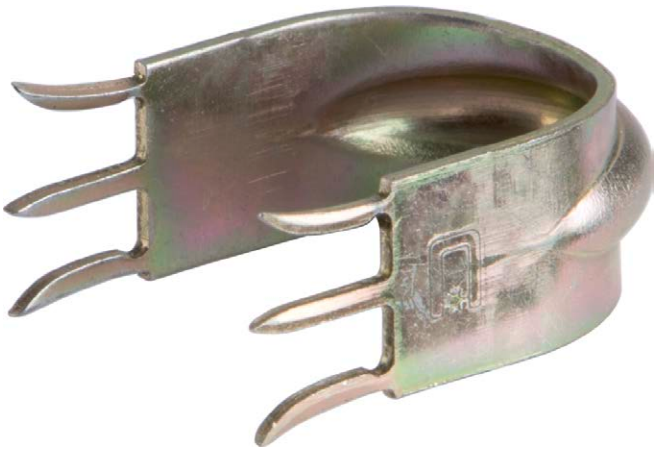
Scope Of Delivery

- 1 spring guide head Ø 6 mm (picture 1)
- 1 drawbar eye M4 Ø 6 mm (picture 2)

Title	PU Set	Article No.
SET INTERCHANGEABLE TERMINALS	1	158011

AGR: 12.992

C-Fix



Title	PU Piece	Article No.
C-Fix	75	251340
C-Fix	50	251339

AGR: 12.231

Heat Shrink Tubes Length 100 mm

- “Black, self extinguishing version for the electrical and mechanical insulation and as a corrosion protection method
- Very good resistance against solvents and chemicals, meaning one material for various mediums”

Application Area

- "Protection against moisture
Insulation of cable connectors
Shrink fitting of small parts"

Characteristics

- Infusible, resistant to cold flow, high mechanical strength

Technical Data

Material	Radioation crosslinker
Shrinking Temperature	115 °C
Shrink Ratio	2:1
Dielectric capacity	15 kV/mm
Temperature resistance	-55 °C - 135 °C



Title	Ø Widened	Ø Shrunk	Thickness material	Length	PU Piece	Article No.
Heat Shrink Tubes	2.4 mm	1.2 mm	0.35 mm	100 mm	50	318248
Heat Shrink Tubes	3.2 mm	1.6 mm	0.4 mm	100 mm	50	318256
Heat Shrink Tubes	4.8 mm	2.4 mm	0.5 mm	100 mm	50	318264
Heat Shrink Tubes	6.4 mm	3.2 mm	0.55 mm	100 mm	50	318272
Heat Shrink Tubes	9.5 mm	4.8 mm	0.6 mm	100 mm	25	318280
Heat Shrink Tubes	12.7 mm	6.4 mm	0.65 mm	100 mm	10	318299
Heat Shrink Tubes	19 mm	9.5 mm	0.8 mm	100 mm	10	318302
Heat Shrink Tubing	25.4 mm	12.7 mm	0.9 mm	100 mm	10	318310

AGR: 12.323

INTERNAL/Approved (2019-03-23 01:30:55)

Rolls of Heat Shrink Tubing

- Black, self extinguishing version for the electrical and mechanical insulation and protection against corrosion
- Excellent resistance against solvents and chemicals, by means of one material for various mediums

Application Area

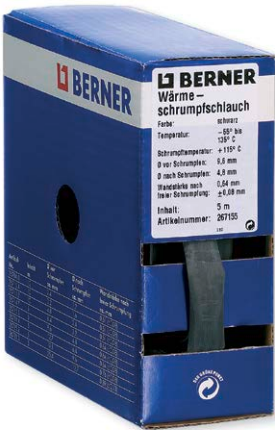
- Black: Electric insulation, mechanical protection, labeling, bundling, tension relieve and corrosion protection
- Insulation of cable ties
- Shrinkage of small components

Characteristics

- Unmelt, coldflowcontantand and high mechanically firmness

Technical Data

Material	Radioation crosslinker
Shrinking Temperature	115 °C
Shrink Ratio	2:1
Dielectric capacity	15 kV/mm
Temperature resistance	-55 °C - 135 °C



connectors, insulation and terminals

Title	Ø Widened	Ø Shrunk	Thickness material	Length	PU Spool	Article No.
Heat shrink tubing	2.4 mm	1.2 mm	0.35 mm	10 m	1	267040
SHRINK HOSE PURPLE 3,2MM 10M	3.2 mm	1.6 mm	0.4 mm	10 m	1	129486
SHRINK HOSE ROLL GY 3,2MM 10M	3.2 mm	1.6 mm	0.4 mm	10 m	1	129483
Heat shrink tubing	3.2 mm	1.6 mm	0.4 mm	10 m	1	267104
Heat shrink tubing	4.8 mm	2.4 mm	0.5 mm	10 m	1	267112
SHRINK HOSE PURPLE 6,4MM 5M	6.4 mm	3.2 mm	0.55 mm	5 m	1	129481
SHRINK HOSE ROLL GY 6,4MM 5M	6.4 mm	3.2 mm	0.55 mm	5 m	1	129484
Heat shrink tubing	6.4 mm	3.2 mm	0.55 mm	5 m	1	267147
Heat shrink tubing	9.6 mm	4.8 mm	0.6 mm	5 m	1	267155
SHRINK HOSE PURPLE 12,7MM 5M	12.7 mm	6.4 mm	0.65 mm	5 m	1	129614
SHRINK HOSE ROLL GY 12,7MM 5M	12.7 mm	6.4 mm	0.65 mm	5 m	1	129482
Heat shrink tubing	12.7 mm	6.4 mm	0.65 mm	5 m	1	267244
Heat shrink tubing	19 mm	9.5 mm	0.8 mm	5 m	1	267252
Heat shrink tubing	25.4 mm	12.7 mm	0.9 mm	5 m	1	267260

AGR: 12.323

Accessories Available	PU Piece	Article No.
BS 2101 Cable Unwinder, 9-fold, unequipped	1	241636

Adhesive Heat Shrink Tubing

- Black, self extinguishing version for the electrical and mechanical insulation and as a corrosion protection method
- Very good resistance against solvents and chemicals, meaning one material for various mediums

Application Area

- Protection against moisture
- Insulation of cable connectors
- Shrink fitting of small parts

Characteristics

- Infusible, resistant to cold flow, high mechanical strength

Technical Data

Shrink Ratio	4:1
Temperature resistance	-45 °C - 125 °C



INTERNAL/Approved (2019-03-23 01:31:16)

Title	Ø Widened	Ø Shrunk	Thickness material	Length	PU Piece	Article No.
Heat shrink tubing	4 mm	1 mm	0.8 mm	1200 mm	1	811424

Individual insulating screw joint

- Ready for installation with highly twisted, captive screw
- VDE, ENEC and CSA / UL approval
- Voltage / current according to DIN EN 60998 / VDE 0613

Characteristics

- Material: polyamide is free of halogens, formaldehyde and cadmium
- Pole: 2-pole
- Color: black
- temperature resistant up to 100 ° C, briefly up to 150 ° C



Title	Color	Number Of Poles	Anschluss Querschnitt	Ampacity	PU Piece	Article No.
Insulating screw joint	black	12 PC	2.5 - 4 mm ²	24 A	10	013447
Luster Terminal	black	12 PC	4 - 6 mm ²	32 A	10	013455
Luster Terminal	black	12 PC	6 - 10 mm ²	41 A	10	013463
Luster Terminal	black	12 PC	10 - 16 mm ²	76 A	10	013471

AGR: 12.310

Screwless Plug-In Terminals

- Multiple wire cross-sections compatible in one terminal
- Highly transparent viewing window for visual control of the terminal point leads to increased safety during installation



INTERNAL/Approved (2019-03-23 01:31:19)

- Lower insertion forces - high withdrawal forces
- Luminaire terminal panel: Combination of different conductor types is also possible (flexible, solid)

Application Area

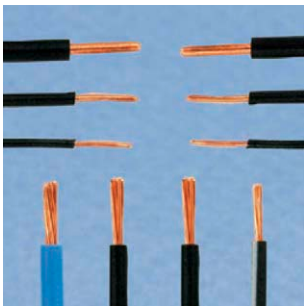
- Professional connections for the building trade

Characteristics

- Clamping range:
 - 0.5 – 2.5 mm² for stiff, single-wire conductors
 - 1.5 – 2.5 mm² for stiff, multiple-wire conductors

Technical Data

Housing	Plastic
Skinning From	8 mm
Skinning Up To	9 mm



INTERNAL/Approved (2019-03-23 01:31:27)

Title	Color	Ampacity	Rated Voltage	Number Of Clamping Units	Connection cross section	PU Piece	Article No.
Transparent Plug-In Terminals SDK3	Transparent	24 A	450 V	3 PC	0.5 - 2.5 mm ²	100	027171
Transparent Plug-In Terminals SDK5	Transparent	24 A	450 V	5 PC	0.5 - 2.5 mm ²	100	027170
Transparent Plug-In Terminals SDK8	Transparent	24 A	450 V	8 PC	0.5 - 2.5 mm ²	50	027169

AGR: 12.310

Wire connector SDKF

- Several wire cross-sections with one clamp compatible
- Convenient and tool-free plugging and removing of the conductors
- High pull-off force and low insertion force
- Stiff conductors are pluggable without opening the release lever
- Space saving compact design
- Window for controlling the contact point ensures increased safety during assembling
- Testing aperture for a phase tester or testing pin
- Measurement scheme for an accurate skinning directly on the clamp



Application Area

- All-round clamp usable for numerous of applications on building installations and luminaires

Title	PU Piece	Article No.
WIRECONNECTOR SDKF 2P. 0,2-2,5	100	215518
WIRECONNECTOR SDKF 3P. 0,2-2,5	75	215519
WIRECONNECTOR SDKF 5P. 0,2-2,5	50	215520

AGR: 12.310