

## CHARACTERISTICS

- Dented nylon cables ties made of polyamide 6.6, non-flame propagating, for the fixing of wire-tree attachments, sockets, pipes and packaging.
- Available accessories: identification cable ties, two ways bases with adhesive, identification plaque badges.
- Detectable cable-ties: compatible with the quality processes in the facilities where food products are manufactured, in accordance with the requirements of the HACCP methodology (Hazard Analysis and Critical Control Points).
- In white, black or colors
- Black nylon cable ties manufactured with polyamide and black carbon: for external applications (higher resistance to ultraviolet radiation).
- High resistance to alkaline, oils, fats, oil products, chlorinated solvents.
- Limited resistance to acids.
- No resistance to tar acids.
- Halogen free.
- No flame propagating
- According to standard UNE-EN IEC 62275.
- UL-Approved cable ties according to UL 62275, type 21
- BN-N and BN-B ranges CE approval according to 2014/35/EU directive
- Complies with RoHS, PAHs and REACH regulations.



**PAHs RoHS**

## BASE MATERIAL

























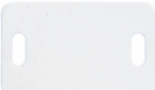







BN-N/B/VE/MA/AM/ AZ/RO/PL/ID

TACOBRI B/N/GR

BN-BA



## 1. RANGE

ITEM	CODE	SIZES	PHOTO	COLOR	MATERIAL	CERTIFICATE
1	BN-N	From 2,5 x 80 to 12,5 x 1000 mm		BLACK		 PAHs RoHS
2	BN-B	From 2,5 x 80 hasta 12,5 x 1000 mm		WHITE		 PAHs RoHS
3	BN-VE	From 2,5 x 100 to 4,8 x 290 mm		GREEN		--
4	BN-MA	From 2,5 x 100 to 4,8 x 290 mm		BROWN		--
5	BN-AM	From 2,5 x 100 to 4,8 x 290 mm		YELLOW		--
6	BN-AZ	From 2,5 x 100 to 4,8 x 290 mm		BLUE		--
7	BN-RO	From 2,5 x 100 to 4,8 x 290 mm		RED		--
8	BN-GR	From 2,5 x 100 to 4,8 x 290 mm		GREY (RAL7035)		--
9	BN-DT	From 2,5 x 100 to 7,6 x 370 mm		BLUE		--
10	BN-ID	From 2,5 x 110 to 2,5 x 210 mm		WHITE		--
11	BN-BA	From 19 x 19 to 27 x 27 mm		WHITE/BLACK		--
12	BN-PL	26,4 x 16,2 mm		WHITE		--
13	TACOBRI B	From $\varnothing 6$ to $\varnothing 8$ mm		WHITE		--
14	TACOBRI N	From $\varnothing 6$ to $\varnothing 8$ mm		BLACK		--
15	TACOBRI GR	From $\varnothing 6$ to $\varnothing 8$ mm		GREY		--

## 2. HOLDER OF THE DOCUMENT

Técnicas Expansivas S.L.  
 Segador 13  
 26006 Logroño. Spain  
[www.indexfix.com](http://www.indexfix.com)  
[info@indexfix.com](mailto:info@indexfix.com)

## 3. TRANSPORTATION AND STORAGE CONDITIONS

Cable ties must be transported in fully closed package, and must be stored at room temperature and protected against direct sunlight.

## 4. INSTALLATION INSTRUCTIONS

For proper use, the cable ties shall be fitted and tightened only by hand. Consult a specialist before using closure tools.

## 5. RAW MATERIAL PROPERTIES

Type	Type 1: retains at least 50% of declared loop tensile strength after test conditions
Humidity absorption:	2.5% (23°C, 50% HR)
Working temperature	-40 to +85°C
Installation temperature	-20 to +85 °C (-10 to +85 °C for size 12,5)
Maximum permissible temperature	+110 °C short term period
Melting point	+260 °C
Limit Oxygen index (LOI)	27 %
Flammability ratio	UL94 class V2
Flame propagation	Non-flame propagation
Dielectric resistance	50.000 volts/mm
Halogen free resin	Yes
Resistance to UV radiation	White ties: no Black ties: yes

### Application examples



## 2. INSTALLATION DATA

### 2.1 BN-N/BN-B

Black and White nylon cable ties



#### Characteristics



Polyamide 6.6



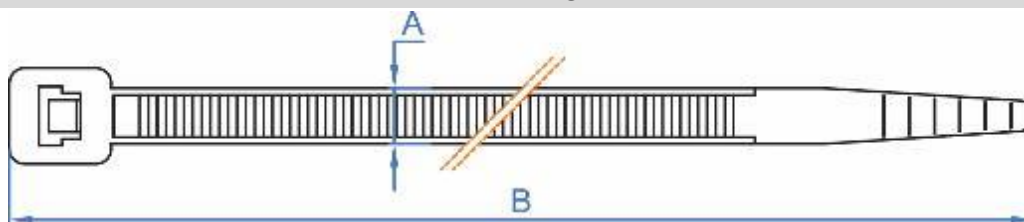
**PAHs RoHS**

CE Marked and  
UL Certificate

#### Installation data

CODE		A: Width [mm]	B: Length [mm]	Bundle diameter (mm)	Tension resistance ≥ [N]
BLACK NYLON CABLE TIES	BLACK NYLON CABLE TIES				
BB25080	BN25080	2,5	80	3 ÷ 14	79
BB25100	BN25100		100	3 ÷ 20,5	
BB25140	BN25140		140	3 ÷ 33	
BB25160	BN25160		160	3 ÷ 39,8	
BB25200	BN25200		200	3 ÷ 52,5	
BB36140	BN36140		3,6	140	
BB36200	BN36200	200		3,5 ÷ 46	
BB36250*	BN36250*	250		3,5 ÷ 65	
BB36300	BN36300	300		3,5 ÷ 84	
BB36370	BN36370	370		3,5 ÷ 106	
BB48120	BN48120	4,8	120	3,5 ÷ 23,8	218
BB48160	BN48160		160	3,5 ÷ 36,6	
BB48180	BN48180		180	3,5 ÷ 43	
BB48200	BN48200		200	3,5 ÷ 49,5	
BB48250	BN48250		250	3,5 ÷ 65	
BB48290	BN48290		290	3,5 ÷ 78	
BB48370	BN48370		370	3,5 ÷ 100	
BB48430	BN48430		430	3,5 ÷ 122,5	
BB76150	BN76150	7,6	150	8,5 ÷ 35	534
BB76200	BN76200		200	8,5 ÷ 50,9	
BB76290	BN76290		290	8,5 ÷ 79	
BB76370	BN76370		370	8,5 ÷ 103,5	
BB76450	BN76450		450	8,5 ÷ 130,5	
BB76540	BN76540		540	8,5 ÷ 141,59	
BB76750	BN76750		750	8,5 ÷ 226	
BB88770	BN88770	8,8	770	8,5 ÷ 230	779
BB88920	BN88920		920	8,5 ÷ 280	
BB88122	BN88122		1220	78 ÷ 375,5	
BB12225	BN12225	12,5	225	8,5 ÷ 57	1200
BB12500	BN12500		500	8,5 ÷ 156	
BB12720	BN12720		720	8,5 ÷ 216	
BB12850	BN12850		850	8,5 ÷ 263	
BB12100	BN12100		1000	8,5 ÷ 315	

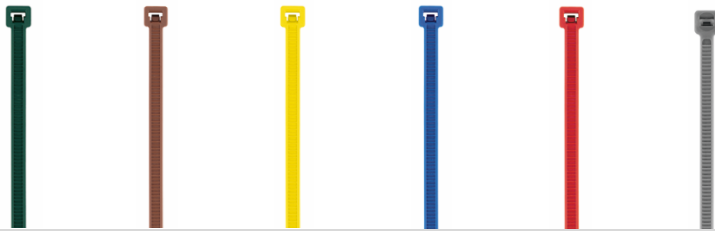
#### DRAWING



2.2

BN-VE/MA/AM/AZ/RO/GR

Coloured nylon cable ties



Characteristics

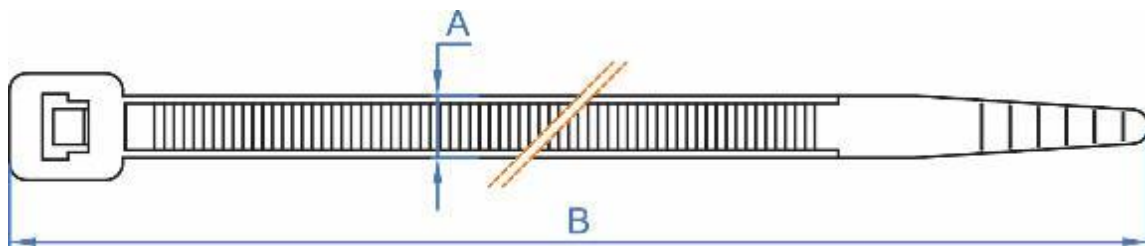


Polyamide 6.6

Installation Data

CODE	COLOR	A: Width [mm]	B: Length [mm]	Tension resistance ≥ [N]
BC25100VE	GREEN	2,5	100	79
BC36140VE		3,6	140	178
BC36200VE			200	
BC48200VE		4,8	200	218
BC48290VE			290	
BC25100MA	BROWN	2,5	100	79
BC36140MA		3,6	140	178
BC36200MA			200	
BC48200MA		4,8	200	218
BC48290MA			290	
BC25100AM	YELLOW	2,5	100	79
BC36140AM		3,6	140	178
BC36200AM			200	
BC48200AM		4,8	200	218
BC48290AM			290	
BC25100AZ	BLUE	2,5	100	79
BC36140AZ		3,6	140	178
BC36200AZ			200	
BC48200AZ		4,8	200	218
BC48290AZ			290	
BC25100RO	RED	2,5	100	79
BC36140RO		3,6	140	178
BC36200RO			200	
BC48200RO		4,8	200	218
BC48290RO			290	
BC25100GR	GREY (RAL7035)	2,5	100	79
BC36140GR		3,6	140	178
BC36200GR			200	
BC48200GR		4,8	200	218
BC48290GR			290	

DRAWING



## 2.3 BN-DT

### Detectable nylon cable ties



#### Characteristics

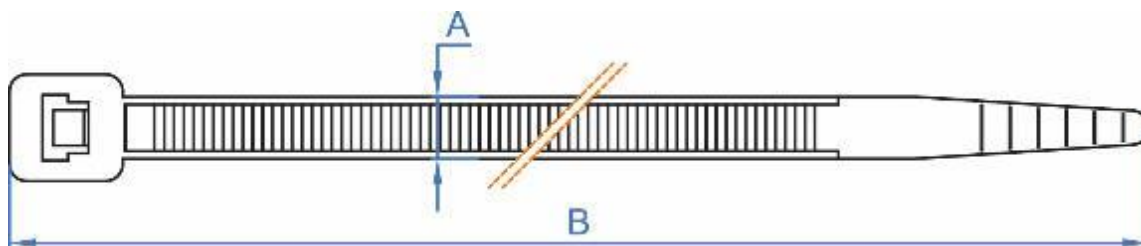


Polyamide 6.6

#### Installation Data

CODE	COLOR	A: Width [mm]	B: Length [mm]	Tension resistance $\geq$ [N]
BNDT25100	BLUE	2,5	100	80
BNDT36150		3,6	150	180
BNDT36200			200	
BNDT48200		4,8	200	230
BNDT48300			300	
BNDT48370			370	
BNDT76370			7,6	

#### DRAWING



## 2.4 BN-ID

### Identification nylon cable tie



#### Characteristics

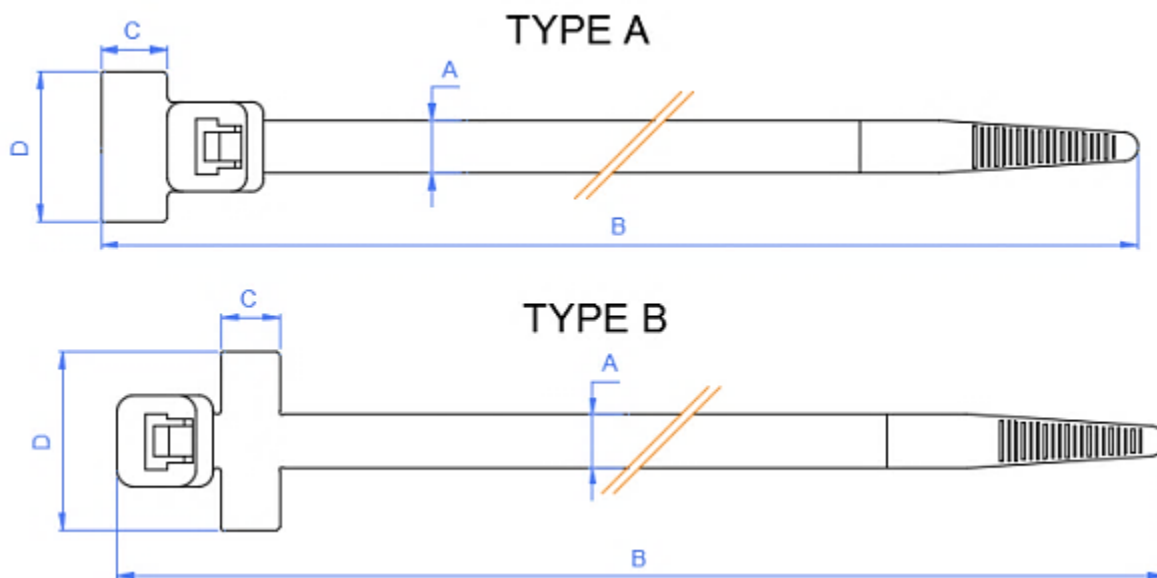


Polyamide 6.6

#### Installation Data

CODE	A: Tie width [mm]	B: Tie length [mm]	C: Identification width [mm]	D: Identification length [mm]	TYPE
BID25110	2,5	110	9,2	20,2	A
BID25210		210	8,1	25,1	B

#### DRAWING



## 2.5 BN-BA

Two-way, adhesive base for nylon cable ties



### Characteristics



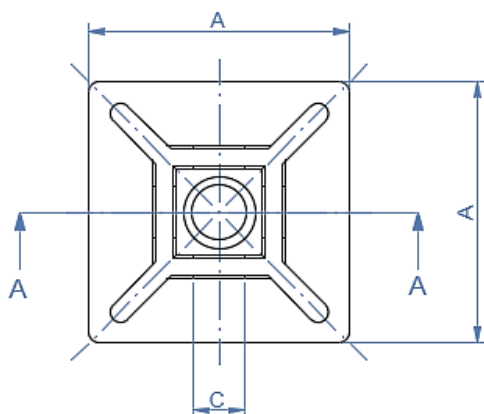
Polyamide 6.6

### Installation Data

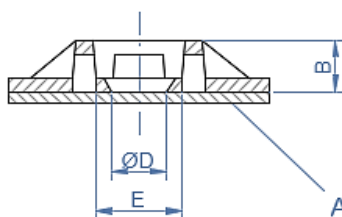
CODE	Color	A: Base width [mm]	B: Base length [mm]	C: Maximun tie width ≤ [mm]	ØD: Hole diameter [mm]	Type
BBANA19	White	19	5	4,8	6,8	A
BBANA27		27,5	5,25	5,2	5,8	B
BBANE19	Black	19	5	4,8	6,8	A
BBANE27		27,5	5,25	5,2	5,8	B

### DRAWING

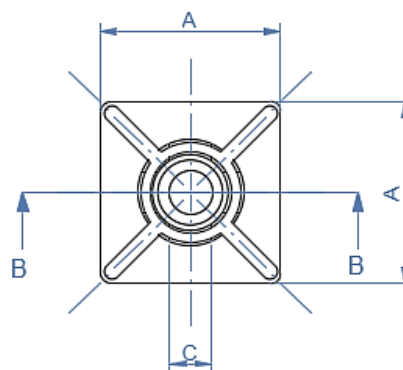
TYPE B



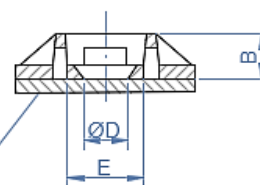
Sección A-A



TYPE A



Sección B-B



Adhesivo / Adhesive



## 2.6 BN-PL

Identification plaque for nylon cable ties



### Characteristics

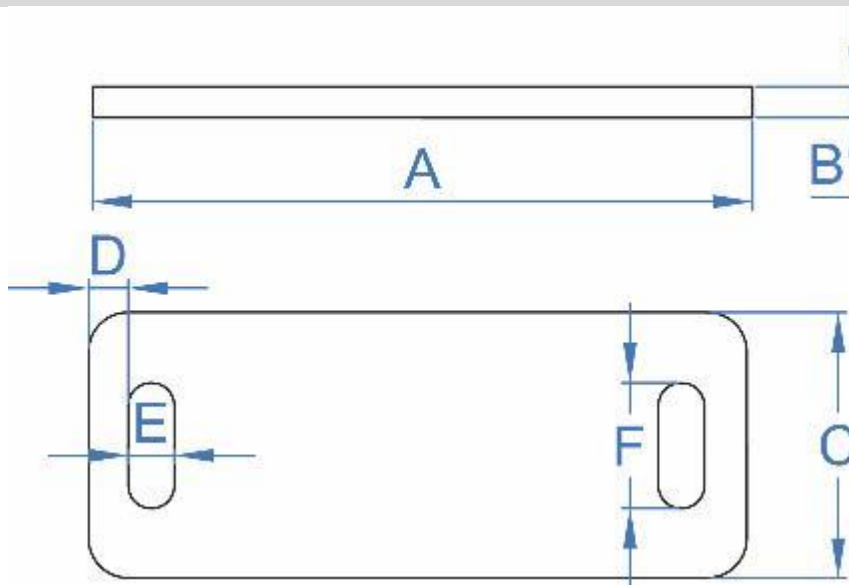


Polyamide 6.6

### Installation Data

CODE	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
BPL02616	26,4	16,2	1	2	2	5

### DRAWING



## 2.7 TACOBRI B/N/GR

Plug cable tie support



### Characteristics



Polyamide 6.6

### Installation Data

CODE	Color	Ø Drill bit diameter [mm]	Hole depth [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	L [mm]
TACOBRI6	White	6	45	12,75	12,75	9,5	3	6	40
TACOBRI8		8							43.5
TACOBRI6	Black	6							40
TACOBRI8		8							43.5
TACOBRI8	Grey	8							43.5

### DRAWING

