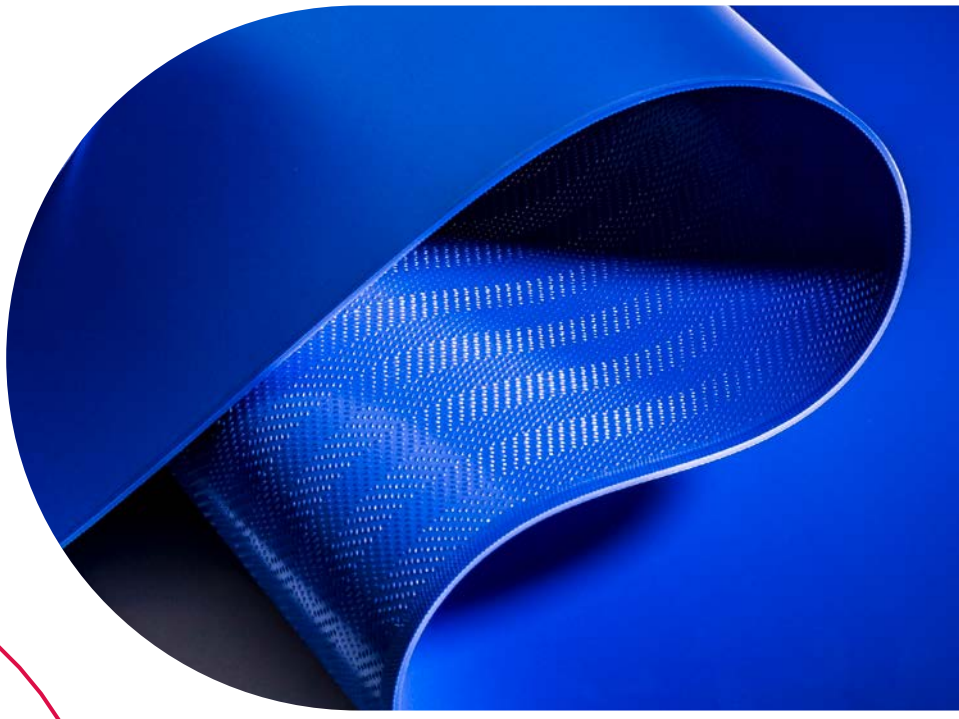
esbelt®

Conveyor and Process Belts

Profiles
Guides
Buckets
Workshop services



esbelt.com

MIR

We are manufacturers.

From our factory in Manlleu (Barcelona, Spain), with over 14.000 m² of facilities, we manufacture **thermoplastic conveyor belts and machinery**, under the highest quality standards. We are firmly committed to R&D&I, placing ourselves at the forefront with new products and materials that respond to market needs.

With more than 55 years of experience and a solid network of distributors and certified workshops, at **esbelt®** we export our products to more than 90 countries.
Quality, reliability, and international reach to support your business wherever you need it.

Our history

1970

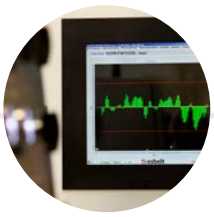
Founding of Esbelt

Manlleu, Barcelona.

1990

International Expansion

Opening of subsidiaries in the USA and Europe.



2000

Excellence and Quality

ISO certification and consolidation of global presence.

2010

Expansion of production lines

Broadening our product range.

2025

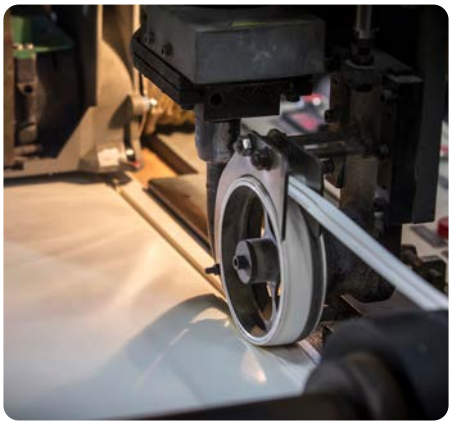
Expansion of workshop

Growing facilities to deliver greater efficiency and flexibility.

Our strength lies in knowledge and innovation

Laboratory and R&D&I

We develop and test materials to ensure performance and durability. We subject all our products to rigorous testing to certify their quality and reliability.



In-house workshop

We guarantee high-quality finishes, with tested and inspected products, and a quick response to adapt to each customer's needs.

Technical office

We support and advise our clients in selecting and designing the most efficient solution, optimizing their production process.

Solutions for multiple sectors

Precision, reliability, and durability so that what matters never stops.

Food

Agroindustrial

Industrial

Recycling

Logistics

Sports

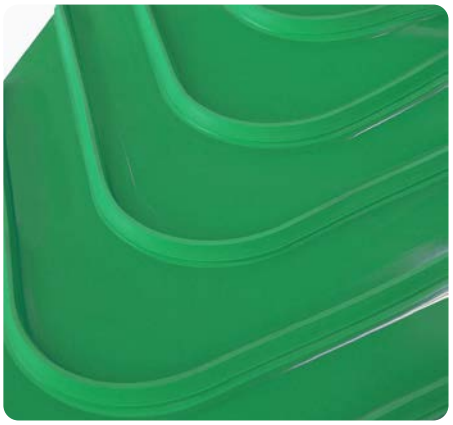
Featured solutions

Sugar processing

Febor for sugar: exclusive design for conveying sugar and salt, with superior performance, 35% more resistant to abrasion than rubber.

Bucket elevators

Espot, Drago, Febor: distribute the lifting effort without the need for retensioning (↓ operating cost). Their lighter-than-rubber design reduces energy consumption.



Herringbone Belts

Herringbone conveyor belts for inclined conveying of packaged or bulk products, powdery, granular, dry, moist, or frozen products.

Main properties and regulations

Key features and regulatory compliance

Food grade

Belts that comply with FDA and EC 1935/2004 and EU 10/2011 regulations, ensuring safety in direct contact with food.

They require Declarations of Conformity with data on global, specific, and simulant migrations.

Anti-microbial AM

Belts with stable, non-water-soluble antimicrobial formulation. Reduces microbial growth by more than 99% (ISO 22196).

Prevents biofilms and maintains its effectiveness throughout its useful life, ensuring maximum food safety.

Wick resistant WR

Waterproof fabrics that exceed the Wicking Test G11-FDA 2011 (wick resistant).

They prevent the capillary penetration of water, oils, and microorganisms, avoiding ply separation and improving hygiene in food applications.

ATEX EX

ATEX-certified belts (Category 2, Directive 2014/34/EU, non-electrical components) for explosive atmospheres. Ideal for bulk conveying of powder and silos or bucket elevators.

Maximum safety and compliance with European regulations.

Anti-hydrolysis

Highly resistant to hydrolysis belts. Their performance remain unaffected by water, steam, and humidity, offering a longer service life and compatibility with HACCP systems.

Flame retardant

Flame-retardant belts with a formulation that allows the flame to extinguish without reigniting. Available with ISO 340 or ASTM D378 certification depending on the application.

Ideal for airports, logistics, and environments where flammability risks must be reduced.

Frayless FL

Belts with special fabrics that minimize fraying.

They reduce the risk of contamination from fibers that may detach from the fabric due to lateral friction between the belt and the conveyor, and mix with the conveyed product.

Abrasion resistant

Belts designed to minimize wear from friction and impacts, with durable covers and suitable accessories; their performance is measured using the TABER test, according to ISO 5470-1, which compares wear after a number of cycles.

Antistatic

Belts that prevent the buildup of electrostatic charge by conducting it to the frame. They reduce material adhesion and risks in explosive environments.

Available in different grades depending on cover and application, with the option to comply with ISO 284.

Metal detectable MD

Manufactured with materials detectable by metal detection equipment, they allow fragments to be identified in the event of accidental detachment.

They reduce contamination risks, decrease claims, and protect the manufacturer's reputation.

Fat resistant

Belts with thermoplastic covers formulated for contact with oils and fats, preventing premature degradation.

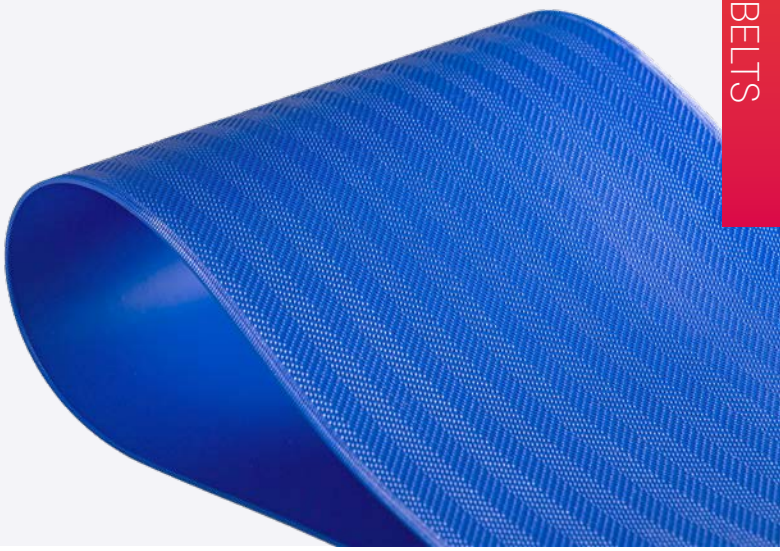
Available in different resistance grades to handle animal, vegetable, or mineral fats, depending on the application.

Cut resistant

Belts with a thicker thermoplastic cover that protects the internal fabric from sharp and cutting objects, preventing the belt from tearing due to fabric cuts and providing high resistance and durability in demanding industrial applications.

Conveyor belts with fabrics

Specific solutions for every application.



Series

Food sector. FDA EU. White.
Industrial. Green and black.
Belts with patterned covers for the elevation or descent of packaged or bulk products.

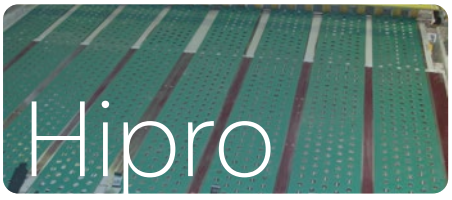
Industrial. Green and transparent. High resistance to abrasion, chemicals, and mineral oils.
Recycling and **logistics**. Black. Resistant to cuts and abrasion.

Food sector. FDA EU. White, ochre, brown. Excellent resistance to animal fats and vegetable oils. Suitable for conveying cookies, bread dough, meat, and fish.

Industrial. Resistant to cuts, abrasion, and mineral oils. Suitable for roller conveyors, trough conveyors, and bucket elevators. Ideal for conveying clay, chemical fertilizers, and bulk materials.

Food sector and **agroindustrial**. FDA EU. White. Excellent resistance to vegetable oils. Suitable for roller conveyors, trough conveyors, and bucket elevators. Ideal for conveying organic materials: fruits, seeds, compound feed, and waste.

Food sector. FDA, EU. White, green, and blue – for fruits and vegetables. **Agroindustrial.** Flame retardant, abrasion resistant – for sugar. **Industrial**. Green - Oil and fat-free products. **Logistics**. Black - Flame-retardant, antistatic for airports and logistics centers.

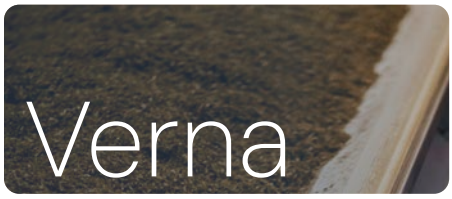


Industrial. Green. Excellent abrasion resistance, superior to some elastomers, highly antistatic, with fusion splicing. Suitable for conveying and processing cardboard, paper, and other abrasive materials.

Industrial. Highly resistant to cutting and mineral oils. Automotive sector (metal cuts and stamping).

Food sector. Blue for visual contrast with most food products. Excellent resistance to animal fats and oils.

Tobacco. Polyester belts that comply with the Pyrolysis Test. Excellent performance at extreme temperatures.



Tobacco and **food sector**. Polyolefin belts that comply with the Pyrolysis Test. Silicone belts for conveying highly sticky products.

Industrial - Logistics - Recycling

Type of belt		Top cover					Bottom cover					Special characteristics (2)
		Material	Hardness °ShA	Color (1)	Thickness mm	Finish	Material	Hardness °ShA	Color (1)	Thickness mm	Finish	
Aster	A12G2F	PVC	55	GR00	4,00	Pattern G2			NT		Fabric	
	A12G2R	PVC	65	GR00	3,70	Pattern G2	PVC		GR00	0,10	Impregn.	
	A13QF	PVC	45	GR00	1,70	Pattern Q			NT		Fabric	
	A15G2F	PVC	55	BK02	4,00	Pattern G2	LFR		GY00	0,10	Impregn.	S
	A15QF	PVC	55	BK02	1,70	Pattern Q	LFR		GY00	0,10	Impregn.	S
	A15W3F	PVC	65	BK02	5,00	Pattern W3	LFR		GY00	0,10	Impregn.	S
	A20AF	PVC	75	GR00	1,20	Pattern A			NT		Fabric	
	A20G2F	PVC	55	GR00	4,00	Pattern G2			NT		Fabric	S
	A24QF	PVC	45	RD01	4,50	Pattern Q			NT		Fabric	
	A33QF	PVC	45	GR00	3,40	Pattern Q			NT		Fabric	
Breda	BX10UFMT	TPU	93	GR09	0,30	Matte	PU		NT	0,10	W Impregn.	
	B12UF[V]	TPU	93	GR09	0,30	Smooth			NT		WP	
	B12UFMT-BK[V]	TPU	93	BK01	0,30	Matte			NT		WP	
	B19UFMT-BK[V]	TPU	93	BK01	0,80	Matte	PU		NT	0,10	W Impregn.	S
	B20 UF[V]	TPU	93	GR09	0,50	Smooth			NT		Fabric	
	B21UFMT-BK[V]	TPU	93	BK01	1,50	Matte	PU		NT	0,10	Impregn.	
	B22UF-TR[V]	TPU	93	TR	1,80	Smooth	Hard PVC		WH	0,10	Impregn.	
	B31 UF MT-BK[V]	TPU	93	BK01	1,75	Matte	PU		NT	0,10	Impregn.	
	B07CF	PVC	82	GR00	0,50	Smooth			NT		Fabric	
	B12CF	PVC	82	GR00	0,50	Smooth			NT		Fabric	
	B12CK	PVC	82	GR00	0,50	Smooth	PVC	90	GR00	0,70	Pattern K	
	B20CF	PVC	82	GR00	1,00	Smooth			NT		Fabric	
	B20CK	PVC	82	GR00	1,00	Smooth	PVC	90	GR00	0,70	Pattern K	
	B20FF			BK00		Fabric			NT		Fabric	S
	B22CF	PVC	82	GR00	2,00	Smooth			NT		Fabric	
	B23CF	PVC	45	GR00	3,00	Smooth			NT		Fabric	
	B24CF	PVC	45	RD01	4,00	Smooth			NT		Fabric	
	B25CF	PVC	82	GR00	1,00	Smooth			NT		Fabric	
	B30CF	PVC	82	GR00	2,00	Smooth			NT		Fabric	
	B33CF	PVC	45	GR00	3,00	Smooth			NT		Fabric	
Drago	D20CC	PVC	78	GR00	1,00	Smooth	PVC	78	GR00	1,00	Smooth	EX
	D30AR	PVC	78	GR00	2,20	Pattern A	PVC		GR00	0,10	Impregn.	
	D30CC	PVC	78	GR00	2,00	Smooth	PVC	78	GR00	1,00	Smooth	EX
	D30CR	PVC	78	GR00	2,00	Smooth	PVC		GR00	0,10	Impregn.	
	D40CC	PVC	78	GR00	2,00	Smooth	PVC	78	GR00	1,00	Smooth	EX
	D81CC	PVC	78	GR00	1,50	Smooth	PVC	78	GR00	1,00	Smooth	EX
	D90C3R	PVC	75	GR00	2,45	Pattern C3	Hard PVC		GR00	0,10	Impregn.	
Febor	F10NF	PVC	76	BK04	0,50	Matte			NT		Fabric	S
	F15NF	PVC	82	BK01	0,50	Matte	LFR		GY00	0,10	Impregn.	EX S
	F19NF	PVC	82	BK01	0,90	Matte	LFR		GY00	0,10	Impregn.	S
	F21NF	PVC	82	BK01	0,60	Matte	LFR		GY00	0,10	Impregn.	
	F21Y3F	PVC	82	BK01	0,60	Pattern Y3	LFR		GY00	0,10	Impregn.	
	F22FF	RC		BK00	0,10	Impregn.	LFR		GY00	0,10	Impregn.	S
	F07CC-GR-EU	PVC	85	GR00	0,50	Smooth	PVC	85	GR00	0,30	Smooth	
	F12 CF-GR-EU	PVC	85	GR00	0,50	Smooth			NT		Fabric	
	F14 CF-GR-EU	PVC	85	GR00	1,00	Smooth			NT		Fabric	
	F18CF-GR-EU	PVC	85	GR00	1,00	Smooth			NT		Fabric	
	F20CK	PVC	85	GR00	0,70	Smooth	PVC	90	GR00	0,70	Pattern K	
	F30CF	PVC	85	GR00	0,70	Smooth			NT		Fabric	
	F30RR	PVC		TR	0,10	Impregn.	PVC		TR	0,10	Impregn.	
Hipro	H12Y1R	HPVC	75	GR23	0,60	Pattern Y1	RC		BK00	0,10	Impregn.	S
	H13GR	HPVC	75	GR23	4,80	Pattern G	RC		BK00	0,10	Impregn.	
	H18Y1R	HPVC	75	GR23	0,80	Pattern Y1	RC		BK00	0,10	Impregn.	S
Keram	K40AF	TPU	93	GR09	1,20	Pattern A			NT		Fabric	SW
	K40UF	TPU	93	GR09	1,00	Smooth			NT		Fabric	SW
	K40RF	PVC		BK03	0,10	Impregn.			NT		Fabric	SW

= Black belts: airports, logistics centers, and recycling centers.

[V] = PVC between plies LFR = Low Friction Resin RC = Conductive resin WP = Low-capillary fabric "Water Proof" W. Impregn. = Waterproof impregnated fabrics (Wicking Test G11)

(1) BK = Black, BL = Blue, BR = Brown, GR = Green, GY = Grey, NT = Natural, OC = Ochre, RD = Red, TR = Transparent, WH = White.

PVC = Polyvinyl chloride HPVC = High performance PVC TPU = Thermoplastic polyurethane

Constant (intermittent) temperature °C	Fabrics		Belt thickness mm	Belt weight kg/m²	Min. pulley ø at 20°C		Breaking load N/mm	Working load at 1% elong. N/mm	Working load at 1,5% elong. N/mm	Max. roll width mm	Type of belt	
	N° of plies	Weft			Flex mm	Back-flex mm						
-5 (-15) +80 (100)	2	Rigid	5,50	4,20	45	70	120	8	12	2000	A12G2F	Aster
-5 (-15) +80 (100)	2	Rigid	6,30	4,50	50	70	160	10	15	2000	A12G2R	
-5 (-15) +80 (100)	2	Rigid	3,20	3,40	45	70	120	9	13	2-3000	A13QF	
-10 (-15) +80 (100)	2	Rigid	5,50	4,20	45	70	160	15	22	2000	A15G2F	
-10 (-15) +80 (100)	2	Rigid	3,20	3,40	50	60	160	15	22	2-3000	A15QF	
-10 (-15) +80 (100)	2	Rigid	7,50	5,00	60	100	150	10	16	600	A15W3F	
-5 (-15) +80 (100)	2	Rigid	2,90	3,20	55	80	200	14	20	3000	A20AF	
-5 (-15) +80 (100)	2	Rigid	5,80	4,00	55	90	160	16	22	2000	A20G2F	
-5 (-15) +80 (100)	2	Rigid	6,40	6,90	50	80	160	14	22	2000	A24QF	
-5 (-15) +80 (100)	3	Rigid	6,40	7,00	150	200	300	20	28	2000	A33QF	
-10 (-15) +90 (110)	2	Rigid	1,45	1,60	9	40	120	10	18	1250	BX10UFMT	Breda
-10 (-15) +80 (105)	2	Rigid	1,60	1,90	40	60	120	10	16	2000	B12UF^{V}	
-10 (-15) +80 (105)	2	Rigid	1,50	1,80	20	50	120	10	16	2-3000	B12UFMT-BK^{V}	
-5 (-15) +80 (105)	2	Rigid	2,50	3,00	80	100	200	17	24	3000	B19UFMT-BK^{V}	
-10 (-15) +80 (105)	2	Rigid	2,20	2,60	60	80	200	18	25	2000	B20 UF^{V}	
-5 (-15) +80 (105)	2	Rigid	4,00	4,50	100	200	180	12	18	3000	B21UFMT-BK^{V}	
-5 (-15) +80 (105)	2	Rigid	4,30	5,10	100	200	200	15	23	3000	B22UF-TR^{V}	
-5 (-15) +80 (105)	3	Rigid	6,00	6,75	230	230	500	32	50	3000	B31 UF MT-BK^{V}	
-5 (-15) +80 (100)	1	Rigid	1,00	1,10	10	25	60	5	7	3000	B07CF	
-5 (-15) +80 (100)	2	Rigid	2,10	2,50	35	55	120	10	15	3000	B12CF	
-5 (-15) +80 (100)	2	Rigid	2,70	2,95	50	50	120	7	12	2000	B12CK	
-5 (-15) +80 (100)	2	Rigid	2,90	3,50	55	75	200	15	22	3000	B20CF	
-5 (-15) +80 (100)	2	Extra rigid	3,50	4,00	70	70	140	9	15	2000	B20CK	
-10 (-15) +80 (100)	2	Rigid	2,40	2,70	60	60	190	15	20	3000	B20FF	
-5 (-15) +80 (100)	2	Rigid	4,00	4,80	80	100	200	17	25	3000	B22CF	
-5 (-15) +80 (100)	2	Rigid	4,80	5,80	80	120	200	15	22	3000	B23CF	
-5 (-15) +80 (100)	2	Rigid	6,00	6,90	50	80	160	14	22	2000	B24CF	
-5 (-15) +80 (100)	3	Rigid	4,00	4,80	100	120	275	22	30	3000	B25CF	
-5 (-15) +80 (100)	3	Rigid	4,90	5,80	120	150	300	22	30	3000	B30CF	
-5 (-15) +80 (100)	3	Rigid	6,00	7,00	130	200	300	20	28	3000	B33CF	
-15 (-25) +80 (100)	2	Flexible	4,10	5,10	140	140	200	20	28	2000	D20CC	Drago
-15 (-25) +80 (100)	3	Flexible	5,60	6,50	180	200	300	25	40	2000	D30AR	
-15 (-25) +80 (100)	3	Flexible	6,20	7,70	200	250	300	30	40	2000	D30CC	
-15 (-25) +80 (100)	3	Flexible	5,40	6,50	180	200	300	25	40	2000	D30CR	
-15 (-25) +80 (100)	4	Flexible	7,40	9,20	300	350	400	35	50	2000	D40CC	
-15 (-25) +80 (100)	3	Flexible	7,80	9,60	400	400	800	65	95	2000	D81CC	
-5 (-15) +80 (100)	3	Flexible	7,00	8,00	300	380	800	55	85	3000	D90C3R	
-5 (-15) +80 (100)	2	Rigid	1,90	2,20	35	55	120	10	15	3000	F10NF	Febor
-10 (-15) +80 (100)	2	Rigid	2,10	2,50	40	60	160	15	22	3000	F15NF	
-10 (-15) +80 (100)	2	Rigid	2,50	3,10	40	60	180	17	25	3000	F19NF	
-10 (-15) +80 (100)	2	Flexible	2,50	3,00	40	60	160	6	9	3000	F21NF	
-10 (-15) +80 (100)	2	Flexible	2,40	2,70	40	60	200	20	30	3000	F21Y3F	
-10 (-15) +80 (100)	2	Rigid	2,40	2,85	60	60	180	14	19	3000	F22FF	
-5 (-15) +80 (100)	1	Rigid	1,30	1,60	10	30	60	5	7	2000	F07CC-GR-EU	
-5 (-15) +80 (100)	2	Rigid	2,00	2,40	35	55	120	10	15	3000	F12 CF-GR-EU	
-5 (-15) +80 (100)	2	Rigid	2,50	2,90	40	60	120	10	15	3000	F14 CF-GR-EU	
-5 (-15) +80 (100)	3	Rigid	3,50	4,30	80	100	180	12	18	3000	F18CF-GR-EU	
-5 (-15) +80 (100)	2	Flexible	2,90	3,50	75	75	200	20	28	2000	F20CK	
-5 (-15) +80 (100)	3	Flexible	2,90	3,50	90	140	300	30	45	2000	F30CF	
-5 (-10) +80 (100)	3	Flexible	3,40	3,80	150	150	300	25	40	3000	F30RR	
-5 (-15) +80 (100)	2	Rigid	2,20	2,50	25	50	120	10	15	2000	H12Y1R	Hipro
-5 (-15) +80 (100)	2	Rigid	6,50	5,00	60	90	200	14	20	2000	H13GR	
-5 (-15) +80 (100)	3	Rigid	3,20	3,70	50	80	180	15	22	2000	H18Y1R	
-10 (-15) +80 (105)	2	Rigid	4,20	4,20	140	330	400	20	30	2000	K40AF	Keram
-10 (-15) +80 (105)	2	Rigid	4,00	4,20	140	330	400	22	32	2000	K40UF	
-5 (-15) +80 (100)	2	Rigid	4,00	4,20	60	100	400	22	32	2000	K40RF	

(2) *Special characteristics*

- Antistatic
- Antistatic top cover
- Antistatic bottom cover
- FDA EU Regulation 10/2011
- FDA EU Regulation 1935/2004
- Low friction coefficient
- Resistant to animal fats
- Limited resistance to animal fats
- Resistant to vegetable oils
- Limited resistance to vegetable oils
- Resistant to mineral oils
- Abrasion resistant
- Cut resistant
- AM Antimicrobial
- Anti-hydrolysis
- EX ATEX certified
- Flame retardant
- FL Frayless
- MD Metal & X-Ray detectable
- P Pyrolysis Test
- S Low noise fabric
- SW Solid Woven

Food - Agroindustrial

	Type of belt	Top cover						Bottom cover					Special characteristics [2]
			Material	Hardness °ShA	Color [1]	Thickness mm	Finish	Material	Hardness °ShA	Color [1]	Thickness mm	Finish	
Clina	CS06UF	Standard	TPU	86	OC01	0,25	Smooth	PU		NT	0,10	W Impregn.	
	CSX06K1F		TPU	86	OC01	0,32	Pattern K1	PU		NT	0,10	W Impregn.	
	CS07UF		TPU	86	WH	0,25	Smooth	PU		NT	0,10	W Impregn.	
	CS07UFMT		TPU	86	WH	0,25	Matte	PU		NT	0,10	W Impregn.	
	CS08UF		TPU	86	WH	0,25	Smooth	PU		NT	0,10	W Impregn.	
	CS08UFMT		TPU	86	WH	0,25	Matte	PU		NT	0,10	W Impregn.	
	CSX08AF-BR		TPU	86	BR00	0,50	Pattern A	PU		NT	0,10	W Impregn.	
	CSX08DF		TPU	86	WH	0,50	Pattern D	PU		NT	0,10	W Impregn.	
	CS09FF		PU		NT	0,10	W Impregn.	PU		NT	0,10	W Impregn.	
	CS09UF		TPU	86	WH	0,25	Smooth	PU		NT	0,10	W Impregn.	
	CS09UFMT		TPU	86	WH	0,25	Matte	PU		NT	0,10	W Impregn.	
	CS10FF				NT		Cotton-Poly.			NT		Cotton-Poly.	
	CS10UFMT		TPU	86	WH	0,40	Matte	PU		NT	0,10	W Impregn.	
	C12UFMT[v]		TPU	93	WH	0,30	Matte			NT		WP	
	CS12UF[v]		TPU	86	WH	0,30	Smooth			NT		WP	
	CS20UFMT		TPU	93	WH	0,80	Matte	PU		NT	0,10	W Impregn.	
	CP07AY-AM	Premium	TPU	85	WH	0,60	Pattern A	TPU	85	WH	0,45	Pattern Y	AM
	CP07UFMT-AM		TPU	85	WH	0,25	Matte	PU		BL10	0,10	W Impregn.	AM
	CP09UFMT-AM		TPU	85	WH	0,25	Matte	PU		BL10	0,10	W Impregn.	AM
	CPX09UA2MT-AM		TPU	85	WH	0,30	Matte	TPU	85	WH	0,55	Pattern A2	AM
	CP10UFMT-AM-FL		TPU	85	WH	0,25	Matte	PU		NT	0,10	W Impregn.	AM FL
	C07CF		PVC	70	WH	0,50	Smooth			NT		WP	
	C07JF		Felt		WH		Felt			NT		Fabric	
	C12CF		PVC	70	WH	0,50	Smooth			NT		WP	
	C12DF		PVC	70	WH	0,70	Pattern D			NT		WP	
	C13FF				NT		Fabric			NT		Fabric	
	C16FF				NT		Cotton-Poly.			NT		Cotton-Poly.	
	C17CF		PVC	76	WH	1,00	Smooth	Hard PVC		WH	0,10	Impregn.	SW
	C20CF		PVC	70	WH	0,80	Smooth			NT		WP	
	C20CK		PVC	70	WH	1,50	Smooth	PVC	90	WH	0,70	Pattern K	
	C21CK		PVC	70	WH	0,50	Smooth	PVC	90	WH	0,70	Pattern K	
	C22CF		PVC	70	WH	2,00	Smooth			NT		WP	
	C30CF		PVC	70	WH	0,80	Smooth			NT		WP	
	C30CK		PVC	70	WH	1,50	Smooth	PVC	90	WH	0,70	Pattern K	
Novak	NO7UU	Standard	PU		BL06	0,10	W Impregn.	PU		BL06	0,10	W Impregn.	
	NS07AY		TPU	86	BL06	0,60	Pattern A	TPU	86	BL06	0,45	Pattern Y	
	NS07UFMT		TPU	86	BL06	0,25	Matte	PU		NT	0,10	W Impregn.	
	NS08UFMT		TPU	86	BL06	0,25	Matte	PU		NT	0,10	W Impregn.	
	NS09UF		TPU	86	BL06	0,25	Smooth	PU		NT	0,10	W Impregn.	
	NS09UFMT		TPU	86	BL06	0,25	Matte	PU		NT	0,10	W Impregn.	
	NS09UFMT-H-BL08		TPU	93	BL08	0,25	Matte	PU		NT	0,10	W Impregn.	
	NS11UFMT		TPU	93	BL06	0,60	Matte	PU		NT	0,10	W Impregn.	
	NS20UFMT		TPU	93	BL06	0,80	Matte	PU		NT	0,10	W Impregn.	
	NP07UFMT-AM	Premium	TPU	85	BL06	0,25	Matte	PU		BL10	0,10	W Impregn.	AM
	NP09DF-AM		TPU	85	BL06	0,50	Pattern D	PU		BL10	0,10	W Impregn.	AM
	NP09FF		PU		BL10	0,10	W Impregn.	PU		BL10	0,10	W Impregn.	
	NP09UFMT-AM		TPU	85	BL06	0,25	Matte	PU		BL10	0,10	W Impregn.	AM
	NP09UFMT-MD-BL09		TPU	85	BL09	0,25	Matte	PU		BL10	0,10	W Impregn.	MD
	NPX09UA2MT-AM		TPU	85	BL06	0,30	Matte	TPU	85	BL06	0,55	Pattern A2	AM
	NP10UFMT-AM-FL		TPU	85	BL06	0,25	Matte	PU		NT	0,10	W Impregn.	AM FL
	NP13UFMT-AM-FL		TPU	85	BL06	0,55	Matte	PU		NT	0,10	W Impregn.	AM FL
	NPX20UA2MT-AM		TPU	85	BL06	0,50	Matte	TPU	85	BL06	0,95	Pattern A2	AM
	NO9CF		PVC	70	BL06	0,50	Smooth			NT		WP	
	N12G2F		PVC	65	BL06	4,00	Pattern G2			NT		Fabric	
	N13SF		Silicone		BL01	0,10	Impregn.	PU		BL10	0,10	W impregn.	
	N19CF		PVC	70	BL06	0,80	Smooth			NT		WP	
	N19CK		PVC	70	BL06	1,00	Smooth	PVC	90	BL06	0,70	Pattern K	
	N20CK		PVC	70	BL06	1,50	Smooth	PVC	90	BL06	0,70	Pattern K	
	N30CY		PVC	70	BL06	1,00	Smooth	PVC	70	BL06	0,50	Pattern Y	

[v] = PVC between plies WP = Low-capillary fabric "Water Proof" (Wicking Test G11) W. Impregn. = Waterproof impregnated fabrics (Wicking Test G11)

[1] BK = Black, BL = Blue, BR = Brown, GR = Green, GY = Grey, NT = Natural, OC = Ochre, RD = Red, TR = Transparent, WH = White.

PVC = Polyvinyl chloride TPU = Thermoplastic polyurethane

Constant (intermittent) temperature °C	Fabrics		Belt thickness mm	Belt weight kg/m²	Min. pulley ø at 20°C		Breaking load N/mm	Working load at 1% elong. N/mm	Working load at 1,5% elong. N/mm	Max. roll width mm	Type of belt	
	N° of plies	Weft			Flex mm	Back-flex mm						
-15 (-20) +90 (110)	1	Rigid	0,75	0,80	4	15	60	5	7	2200	CS06UF	Clina
-15 (-20) +90 (110)	1	Rigid	0,82	0,90	5	15	60	5	7	1250	CSX06K1F	Clina
-15 (-20) +90 (110)	1	Rigid	0,75	0,80	4	15	60	5	7	2200	CS07UF	Clina
-15 (-20) +90 (110)	1	Rigid	0,75	0,80	4	15	60	5	7	2200	CS07UFMT	Clina
-15 (-20) +90 (110)	1	Rigid	1,00	1,00	6	20	50	4	6	2200	CS08UF	Clina
-15 (-20) +90 (110)	1	Rigid	1,00	1,00	6	20	50	4	6	2200	CS08UFMT	Clina
-15 (-20) +90 (110)	1	Rigid	1,30	1,10	6	20	50	4	6	1250	CSX08AF-BR	Clina
-15 (-20) +90 (110)	1	Rigid	1,20	1,10	6	20	50	4	6	1300	CSX08DF	Clina
-15 (-25) +90 (110)	2	Rigid	1,20	1,20	5	5	120	8	12	2200	CS09FF	Clina
-15 (-20) +90 (110)	2	Rigid	1,45	1,65	6	30	120	8	12	2200	CS09UF	Clina
-15 (-20) +90 (110)	2	Rigid	1,45	1,65	6	30	120	8	12	2200	CS09UFMT	Clina
-15 (-25) +90 (110)	2	Flexible	1,40	1,10	10	10	110	6	8	2200	CS10FF	Clina
-15 (-20) +90 (110)	2	Rigid	1,65	1,95	8	40	120	8	12	2200	CS10UFMT	Clina
-10 (-15) +80 (105)	2	Rigid	1,50	1,80	20	50	120	10	16	2-3000	C12UFMT[V]	Clina
-10 (-15) +80 (105)	2	Rigid	1,60	1,90	20	50	120	10	16	2000	CS12UF[V]	Clina
-10 (-15) +90 (110)	2	Rigid	2,60	3,10	60	100	200	12	18	2100	CS20UFMT	Clina
-25 (-30) +90 (110)	1	Rigid	1,55	1,25	10	10	60	5	7	2000	CP07AY-AM	Clina
-25 (-30) +90 (110)	1	Rigid	0,75	0,80	4	15	60	5	7	2200	CP07UFMT-AM	Clina
-25 (-30) +90 (110)	2	Rigid	1,20	1,35	6	30	100	8	11	2200	CP09UFMT-AM	Clina
-25 (-30) +90 (110)	2	Rigid	2,10	2,20	30	50	100	9	15	1250	CPX09UA2MT-AM	Clina
-25 (-30) +90 (110)	2	Rigid	1,60	1,65	10	50	80	6	9	2200	CP10UFMT-AM-FL	Clina
-15 (-25) +80 (100)	1	Rigid	1,00	1,10	10	25	60	5	7	3000	C07CF	Clina
-5 (-15) +80 (100)	1	Rigid	2,90	2,05	60	80	85	8	10	2000	C07JF	Clina
-15 (-25) +80 (100)	2	Rigid	2,10	2,50	35	55	120	10	15	3000	C12CF	Clina
-15 (-25) +80 (100)	2	Rigid	2,30	2,50	35	55	120	10	15	2000	C12DF	Clina
-15 (-25) +80 (100)	2	Rigid	2,00	2,30	40	40	120	9	12	3000	C13FF	Clina
-15 (-25) +80 (100)	2	Rigid	2,55	2,20	40	40	160	5	8	2200	C16FF	Clina
-15 (-25) +80 (100)	1	Semi-rigid	2,75	3,10	55	75	150	17	25	2-3000	C17CF	Clina
-15 (-25) +80 (100)	2	Rigid	2,80	3,30	55	75	200	15	22	3000	C20CF	Clina
-15 (-25) +80 (100)	2	Extra rigid	4,10	4,85	75	90	140	9	15	2000	C20CK	Clina
-15 (-25) +80 (100)	2	Flexible	2,60	3,10	75	75	200	20	28	2000	C21CK	Clina
-15 (-25) +80 (100)	2	Rigid	4,00	4,80	80	100	200	17	25	3000	C22CF	Clina
-15 (-25) +80 (100)	3	Rigid	3,70	4,40	110	140	300	22	30	3000	C30CF	Clina
-15 (-25) +80 (100)	3	Extra rigid	5,20	6,20	130	150	210	16	25	2000	C30CK	Clina
-15 (-25) +90 (110)	1	Rigid	0,45	0,35	8	8	60	5	7	3000	NO7UU	Novak
-15 (-20) +90 (110)	1	Rigid	1,55	1,30	10	10	60	5	7	2000	NS07AY	Novak
-15 (-20) +90 (110)	1	Rigid	0,75	0,80	4	15	60	5	7	2200	NS07UFMT	Novak
-15 (-20) +90 (110)	1	Rigid	1,00	1,00	6	20	50	4	6	2200	NS08UFMT	Novak
-15 (-20) +90 (110)	2	Rigid	1,45	1,65	6	30	120	8	12	2200	NS09UF	Novak
-15 (-20) +90 (110)	2	Rigid	1,45	1,65	6	30	120	8	12	2200	NS09UFMT	Novak
-10 (-15) +90 (110)	2	Rigid	1,45	1,65	8	30	120	8	12	2200	NS09UFMT-H-BL08	Novak
-10 (-15) +90 (110)	2	Extra rigid	2,40	2,90	30	50	140	6	10	2200	NS11UFMT	Novak
-10 (-15) +90 (110)	2	Rigid	2,60	3,10	60	100	200	12	18	2100	NS20UFMT	Novak
-25 (-30) +90 (110)	1	Rigid	0,75	0,80	4	15	60	5	7	2200	NP07UFMT-AM	Novak
-25 (-30) +90 (110)	2	Rigid	1,60	1,65	6	30	100	8	12	2000	NP09DF-AM	Novak
-25 (-30) +90 (110)	2	Rigid	1,00	1,00	5	5	100	8	11	2200	NP09FF	Novak
-25 (-30) +90 (110)	2	Rigid	1,20	1,35	6	30	100	8	11	2200	NP09UFMT-AM	Novak
-10 (-15) +90 (110)	2	Rigid	1,20	1,35	6	30	100	8	11	2200	NP09UFMT-MD-BL09	Novak
-25 (-30) +90 (110)	2	Rigid	2,10	2,20	30	50	100	9	15	1250	NPX09UA2MT-AM	Novak
-25 (-30) +90 (110)	2	Rigid	1,60	1,65	10	50	80	6	9	2200	NP10UFMT-AM-FL	Novak
-25 (-30) +90 (110)	2	Flexible	2,30	2,60	60	90	80	9	14	2200	NP13UFMT-AM-FL	Novak
-25 (-30) +90 (110)	2	Rigid	3,15	3,20	100	100	200	12	18	1250	NPX20UA2MT-AM	Novak
-15 (-25) +80 (100)	2	Rigid	2,10	2,50	35	55	120	10	15	3000	N09CF	Novak
-5 (-15) +80 (100)	2	Rigid	5,50	4,20	45	70	120	9	13	2000	N12G2F	Novak
-15 (-25) +80 (110)	2	Rigid	1,80	2,00	30	30	120	10	15	2-3000	N13SF	Novak
-15 (-25) +80 (100)	2	Rigid	2,80	3,30	55	75	200	15	22	3000	N19CF	Novak
-15 (-25) +80 (100)	2	Flexible	3,10	3,60	75	75	200	20	28	2000	N19CK	Novak
-15 (-25) +80 (100)	2	Extra rigid	4,10	4,85	75	90	140	9	15	2000	N20CK	Novak
-15 (-25) +80 (100)	3	Extra rigid	4,30	5,00	140	140	210	16	25	2000	N30CY	Novak

[(2)] *Special characteristics*

- Antistatic
- Antistatic top cover
- Antistatic bottom cover
- FDA EU Regulation 10/2011
- FDA EU Regulation 1935/2004
- Low friction coefficient
- Resistant to animal fats
- Limited resistance to animal fats
- Resistant to vegetable oils
- Limited resistance to vegetable oils
- Resistant to mineral oils
- Abrasion resistant
- Cut resistant
- AM Antimicrobial
- Anti-hydrolysis
- EX ATEX certified
- Flame retardant
- FL Frayless
- MD Metal & X-Ray detectable
- P Pyrolysis Test
- S Low noise fabric
- SW Solid Woven

Food - Agroindustrial

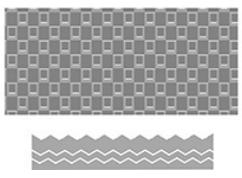
	Type of belt	Top cover					Bottom cover					Special characteristics (2)
		Material	Hardness °ShA	Color (1)	Thickness mm	Finish	Material	Hardness °ShA	Color (1)	Thickness mm	Finish	
Aster	A10G2F	PVC	45	WH	4,00	Pattern G2			NT		Fabric	
	A21HF	PVC	70	WH	3,00	Pattern H			NT		WP	
	A21LF	PVC	70	WH	3,50	Pattern L			NT		WP	
	A21ZK	PVC	70	WH	1,70	Pattern Z	PVC	90	WH	0,70	Pattern K	
	A26XC	PVC	73	WH	15,50	Profile X	PVC	73	WH	1,00	Smooth	
	A36X1C	PVC	73	WH	15,80	Profile X1	PVC	73	WH	0,70	Smooth	
Febor	F12CF-BL	PVC	85	BL06	0,50	Smooth			NT		Fabric	
	F12CF-WH	PVC	85	WH	0,50	Smooth			NT		Fabric	
	F12CK-BL	PVC	85	BL06	0,50	Smooth	PVC	90	BL06	0,70	Pattern K	
	F14CF-BL	PVC	85	BL06	1,00	Smooth			NT		Fabric	
	F14CF-WH	PVC	85	WH	1,00	Smooth			NT		Fabric	
	F18CF-BL	PVC	85	BL06	1,00	Smooth			NT		Fabric	
	F21CC	PVC	75	WH	2,00	Smooth	PVC	75	WH	1,00	Smooth	EX
	F31CC	PVC	75	WH	2,00	Smooth	PVC	75	WH	1,00	Smooth	EX
	F32CC	PVC	75	WH	2,75	Smooth	PVC	75	WH	1,50	Smooth	EX
	F41CC	PVC	75	WH	2,00	Smooth	PVC	75	WH	1,00	Smooth	EX
	F61CC	PVC	75	WH	2,30	Smooth	PVC	75	WH	1,00	Smooth	EX
	F91CC	PVC	75	WH	3,00	Smooth	PVC	75	WH	1,00	Smooth	EX
Espot	E20CC	PVC	73	WH	1,00	Smooth	PVC	73	WH	1,00	Smooth	EX
	E30CC	PVC	73	WH	2,00	Smooth	PVC	73	WH	1,00	Smooth	EX
	E40CC	PVC	73	WH	2,00	Smooth	PVC	73	WH	1,00	Smooth	EX
	E81CC	PVC	73	WH	1,50	Smooth	PVC	73	WH	1,00	Smooth	
	E90CC	PVC	73	WH	2,00	Smooth	PVC	73	WH	1,00	Smooth	
Poler	P18EF	TPE	93	NT	0,35	Matte			NT		Fabric	P
	P18T1F	TPE	93	NT	2,10	Pattern T1			NT		Fabric	P
Verna	V12PF	TPO	91	TR	0,50	Matte			NT		Fabric	P
	V18PF	TPO	91	TR	0,50	Matte	Polyolef.		NT	0,10	Impregn.	P
	V18PP	TPO	91	TR	0,50	Smooth	TPO	91	TR	0,20	Smooth	P
	V18T1F	TPO	91	TR	2,10	Pattern T1	Polyolef.		NT	0,10	Impregn.	P
	V20PF	TPO	91	TR	0,50	Matte	Polyolef.		NT	0,10	Impregn.	P
	V30PF	TPO	91	TR	0,50	Matte	Polyolef.		NT	0,10	Impregn.	P
	V08SF	Silicone	40	WH	0,30	Smooth	PU		NT	0,10	Impregn.	
	V12SCF	Silicone	40	TR	0,30	Smooth			NT		Fabric	
	V12SUF	Silicone	40	TR	0,30	Smooth			NT		Fabric	
	V12SUF-BL	Silicone	40	BL01	0,30	Smooth			NT		Fabric	

WP = Low-capillary fabric "Water Proof" (Wicking Test G11) W. Impregn. = Waterproof impregnated fabrics (Wicking Test G11)

(1) BK = Black, BL = Blue, BR = Brown, GR = Green, GY = Grey, NT = Natural, OC = Ochre, RD = Red, TR = Transparent, WH = White.

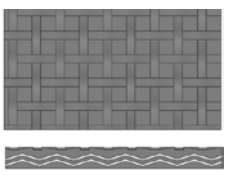
** A36X1C supplied in widths of: 400, 500, 600 and 800 mm.*

Patterns



Type A

Type A2



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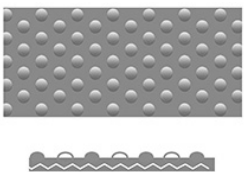

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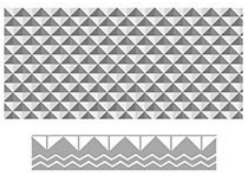

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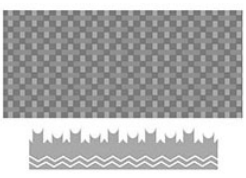

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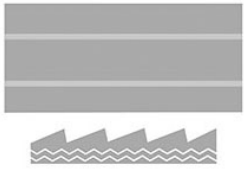

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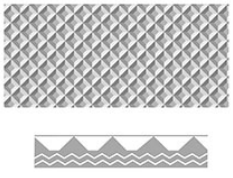

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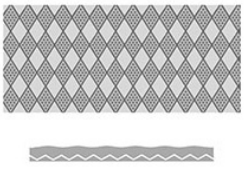

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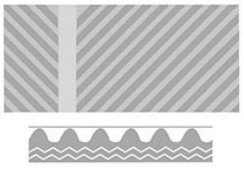


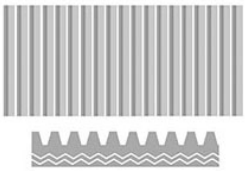
Type L

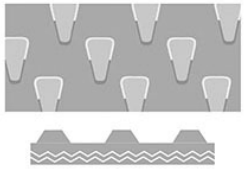
PVC = Polyvinyl chloride TPE = Thermoplastic polyester TPO = Polyolefin

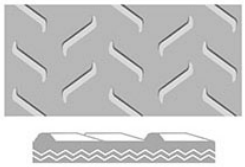
Constant (intermittent) temperature °C	Fabrics		Belt thickness mm	Belt weight kg/m²	Min. pulley ø at 20°C		Breaking load N/mm	Working load at 1% elong. N/mm	Working load at 1,5% elong. N/mm	Max. roll width mm	Type of belt	
	N° of plies	Weft			Flex mm	Back-flex mm						
-5 (-15) +80 (100)	2	Rigid	5,50	4,20	45	70	120	8	12	2000	A10G2F	Aster
-15 (-25) +80 (100)	2	Rigid	5,00	4,80	80	130	200	14	20	2000	A21HF	
-15 (-25) +80 (100)	2	Rigid	5,50	4,80	100	160	200	14	20	2000	A21LF	
-15 (-25) +80 (100)	2	Flexible	4,10	4,50	80	100	200	20	28	2000	A21ZK	
-15 (-25) +80 (100)	2	Flexible	18,60	7,60	150	200	200	18	28	600	A26XC	
-15 (-25) +80 (100)	3	Flexible	19,70	9,30	230	280	300	28	40	800*	A36X1C	
-5 (-15) +80 (100)	2	Rigid	2,00	2,40	35	55	120	10	15	3000	F12CFBL	Febor
-5 (-15) +80 (100)	2	Rigid	2,00	2,40	35	55	120	10	15	3000	F12CF-WH	
-5 (-15) +80 (100)	2	Rigid	2,80	3,00	50	50	120	10	15	2000	F12CK-BL	
-5 (-15) +80 (100)	2	Rigid	2,50	2,90	40	60	120	10	15	3000	F14CF-BL	
-5 (-15) +80 (100)	2	Rigid	2,50	2,90	40	60	120	10	15	3000	F14CF-WH	
-5 (-15) +80 (100)	3	Rigid	3,50	4,30	80	100	180	12	18	3000	F18CF-BL	
-15 (-25) +80 (100)	2	Flexible	5,00	6,10	140	190	200	20	28	2000	F21CC	
-15 (-25) +80 (100)	3	Flexible	6,10	7,60	200	250	300	30	40	2000	F31CC	
-15 (-25) +80 (100)	3	Flexible	7,40	9,40	300	350	300	30	40	2000	F32CC	
-15 (-25) +80 (100)	4	Flexible	7,40	9,20	300	350	400	35	50	2000	F41CC	
-15 (-25) +80 (100)	3	Flexible	7,70	9,40	350	400	700	55	90	2000	F61CC	
-15 (-25) +80 (100)	3	Flexible	9,60	11,90	400	500	900	75	130	2000	F91CC	
-15 (-25) +80 (100)	2	Flexible	4,30	5,20	140	140	200	20	28	2000	E20CC	Espot
-15 (-25) +80 (100)	3	Flexible	6,20	7,70	200	250	300	30	40	2000	E30CC	
-15 (-25) +80 (100)	4	Flexible	7,40	9,20	300	350	400	35	50	2000	E40CC	
-15 (-25) +80 (100)	3	Flexible	7,80	9,60	400	400	800	65	95	2000	E81CC	
-15 (-25) +80 (100)	3	Flexible	9,00	11,20	400	500	900	75	130	2000	E90CC	
-20 (-30) + 100 (120)	2	Flexible	2,40	2,50	40	100	200	12	20	2000	P18EF	Poler
-20 (-30) + 100 (120)	2	Flexible	4,50	3,10	120	140	200	12	20	2000	P18T1F	
-15 (-25) + 45 (65)	2	Rigid	2,10	1,95	50	70	110	10	15	2000	V12PF	Verna
-15 (-25) + 45 (65)	2	Flexible	2,50	2,40	60	80	200	12	20	2-3000	V18PF	
-15 (-25) + 45 (65)	2	Flexible	2,70	2,80	80	80	200	14	20	2000	V18PP	
-15 (-25) + 45 (65)	2	Flexible	4,60	2,90	95	140	200	12	18	2000	V18T1F	
-15 (-25) + 45 (65)	2	Rigid	2,50	2,40	60	80	200	13	22	2-3000	V20PF	
-15 (-25) + 45 (65)	3	Rigid	3,60	3,40	150	200	300	18	32	2-3000	V30PF	
-25 (-35) + 150 (170)	1	Extra rigid	1,00	1,00	8	20	50	4	6	2000	V08SF	
-15 (-25) + 80 (110)	2	Rigid	1,75	2,00	35	55	120	10	15	2-3000	V12SCF	
-15 (-25) + 90 (110)	2	Rigid	1,40	1,50	8	50	120	10	15	2-3000	V12SUF	
-15 (-25) + 90 (110)	2	Rigid	1,40	1,50	8	50	120	10	15	2000	V12SUF-BL	

(2) *Special characteristics*

- Antistatic
- Antistatic top cover
- Antistatic bottom cover
- FDA EU Regulation 10/2011
- FDA EU Regulation 1935/2004
- Low friction coefficient
- Resistant to animal fats
- Limited resistance to animal fats
- Resistant to vegetable oils
- Limited resistance to vegetable oils
- Resistant to mineral oils
- Abrasion resistant
- Cut resistant
- AM Antimicrobial
- Anti-hydrolysis
- EX ATEX certified
- Flame retardant
- FL Frayless
- MD Metal & X-Ray detectable
- P Pyrolysis Test
- S Low noise fabric
- SW Solid Woven


Type Q / Q1


Type T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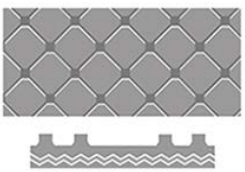
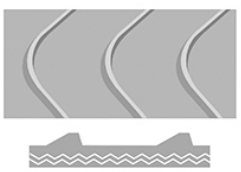
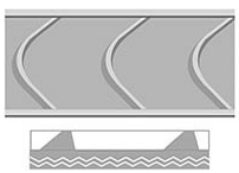
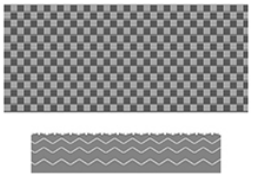
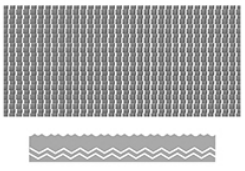
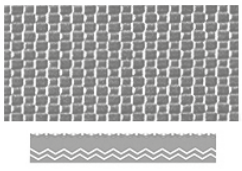

Type W3


Type X


Type X1


Type Y


Type Y1


Type Y3


Type Z

Belts supplied in full rolls

They are supplied at manufacturing width and in full rolls of 50 m or 100 m.

Type of belt	Top cover					Bottom cover		Fabrics		Belt thickness mm	Belt weight Kg/m²	Min. pulley ø Flex mm	Breaking load N/mm	Working load at 1% elong. N/mm	Max. roll width mm
	Material	Hardness °ShA	Color (1)	Thickness mm	Finish	Material	Finish	N° of plies	Weft						
A0708	PVC	76	BK04	0,85	Pattern D		Fabric S AE	1	Rigid	1,60	1,7	10	100	7	2000
A1231	PVC	76	BK04	4,00	Pattern G2		Fabric	2	Rigid	5,50	4,2	45	120	8	2000
A1503	PVC	55	BK02	1,70	Pattern Q	Fabric	Fabric S AE	2	Rigid	3,20	3,4	50	160	15	2000
A22AF-SKI	PVC	75	GR00	1,40	Pattern A	Hard PVC	Impregnated	3	Rigid	4,40	5	100	275	22	3000
A26X1C*	PVC	73	WH00	15,50	Pattern X1	PVC	Smooth	2	Flexible	18,60	8,00	190	200	18	800
B1224	TPU	93	GR09	0,30	Smooth		Fabric WP AE	2	Rigid	1,60	1,9	40	120	10	3000
B2024	TPU	93	GR09	0,50	Smooth		Fabric	2	Rigid	2,20	2,6	60	200	18	3000
BS10UFMT	TPU	93	GR09	0,30	Matte	PU	W Impregn. AE	2	Rigid	1,45	1,6	8	120	8	2200
C2201	PVC	70	GR02	2,00	Smooth		Fabric WP	2	Rigid	4,00	4,8	80	200	17	3000
CSX10FF		0	NT		Cotton-Polyest.		Cotton-Polyest.	2	Flexible	1,40	1,25	8	110	7	1300
F1101	PVC	76	BK04	1,00	Pattern A		Fabric S	2	Rigid	2,40	2,5	50	120	9	3000
F1204	PVC	78	GR00	0,50	Smooth		Fabric	2	Rigid	2,10	2,5	40	120	10	3000
F12CK-GR-EU	PVC	85	GR00	0,50	Smooth	PVC	Pattern K	2	Rigid	2,80	3	50	120	10	2000
F12CK-WH	PVC	85	WH00	0,50	Smooth	PVC	Pattern K	2	Rigid	2,80	3	50	120	10	2000
F15CF-BL	PVC	85	BL06	1,50	Smooth		Fabric AE	2	Rigid	2,90	3,5	60	120	10	3000
F15CF-GR-EU	PVC	85	GR00	1,50	Smooth		Fabric AE	2	Rigid	2,90	3,5	60	120	10	3000
F15CF-WH	PVC	85	WH00	1,50	Smooth		Fabric AE	2	Rigid	2,90	3,5	60	120	10	3000
F18CF-WH	PVC	85	WH00	1,00	Smooth		Fabric AE	3	Rigid	3,50	4,3	80	180	12	3000
F19CK	PVC	84	BL05	1,00	Smooth	PVC	Pattern K	2	Flexible	3,10	3,6	75	200	20	2000
F20NF	PVC	82	BK01	1,00	Matte	LFR	Impregn. S AE	2	Rigid	3,00	3,7	60	180	17	3000
F3004	PVC	75	WH00	2,00	Smooth	PVC	Smooth	3	Flexible	6,20	7,7	200	300	30	2000
H12QR	PVC	55	GR	1,40	Pattern Q	PU	W Impregn.	2	Rigid	2,70	2,8	40	120	9	2000
N1202	PVC	45	BL06	1,70	Pattern Q		Fabric WP AE	2	Rigid	3,20	3,5	50	120	9	2000
N1301	TPU	0	BL06	0,10	W Impregn.		Fabric AE	2	Rigid	1,80	2	30	120	9	3000

LFR = Low Friction Resin WP = Low-capillary fabric "Water Proof" W. Impregn. = Waterproof impregnated fabrics (Wicking Test G11)

(1) *BK = Black, BL = Blue, BR = Brown, GR = Green, GY = Grey, NT = Natural, OC = Ochre, RD = Red, TR = Transparent, WH = White.*

** Supplied only in 100 m rolls and in widths of 400, 500, 600, and 800 mm.*

More information on our digital platforms

esbelt.com

Visit our **website** for complete information about our conveyor belts and solutions for every industrial sector.

You can find catalogs, general documentation, and product updates all in one place.

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Our **intranet**, a technical space for professionals.

Access product data sheets, splicing parameters, installation guides, and usage recommendations. All the technical information you need, always updated and available online.

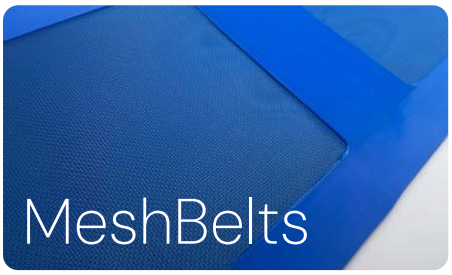
CPortal

Online **self-quoting and ordering portal.**

Configure belt fabrication with accessories, request quotes, and place orders for standard products. You'll also find technical documentation and resources to make your daily work easier.

Other belts

Additional solutions for your conveying system.



Food sector. FDA EU. PVC-reinforced mesh belt, with mesh sizes of 1,1×1,1 mm and 2×2 mm.

They are ideal for processes such as washing, drying, cooling, and water treatment, especially for handling lightweight products and filtering fine-grained residues.

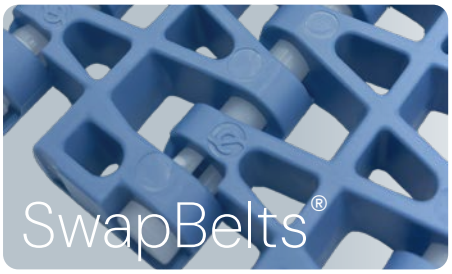
Food sector. FDA EU. TPU filter belt with 6×6 mm and 12×12 mm mesh sizes.

Facilitates residue release and ensures a consistent flow, making it ideal for washing and draining larger products, as well as filtering coarse-grained residues.

Food sector. FDA EU. Blue TPU.

Industrial & **logistics**. Black TPU.

Fabric-free belts with excellent elasticity and low shaft load. Easy to clean and maintain. They do not delaminate, fray, or cause fiber contamination.



Food sector FDA EU & **industrial**.

Modular plastic belts, available with or without open areas, offering a uniform surface free of protrusions. Suitable for straight or curved conveying. Allow for the attachment of flights and accessories. Manufactured in different colors and materials (PE, PP, and POM).

Food sector. FDA EU.

Positive drive belts, designed to meet the most demanding requirements. Flexible, hygienic, and safe design that adapts to conveying needs, with multiple configuration options to ensure optimal performance in every application.

Industrial & **graphic sector**. Flat transmission belts.

They stand out for their abrasion resistance, flexibility, and variety of finishes (leather, fabric, NBR or XNBR elastomer), ensuring reliable performance, low shaft load, and adaptability to multiple configurations.

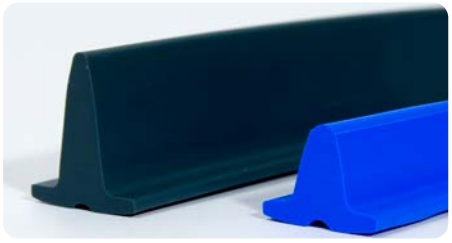
Food sector FDA EU & **industrial.**

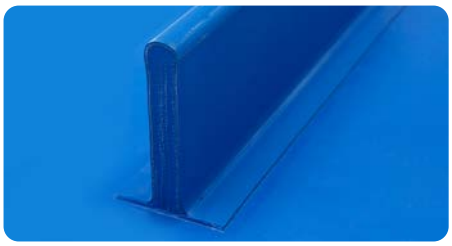
Thermoweldable TPU and polyester belts, available in round, trapezoidal and ridge top. Offered with or without reinforcement. High resistance to abrasion, oils, and chemicals. Easy joining through thermoplastic fusion.

For more information, please refer to the specific catalog.

Accessories

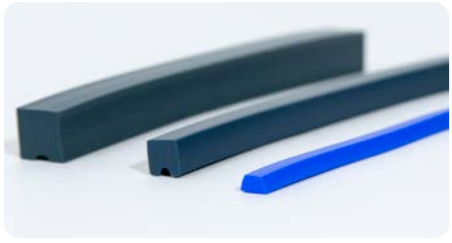
esbelt® manufactures a range of accessories to complement your conveying needs.

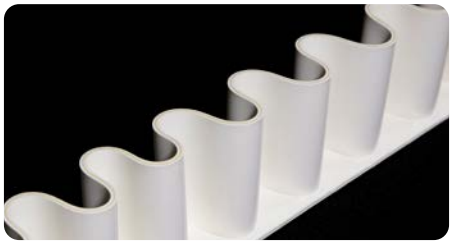

Cleats


Reinforced profile


Fingers profile


Short fingers profile


Guides


Runer®

Attachment of profiles and guides

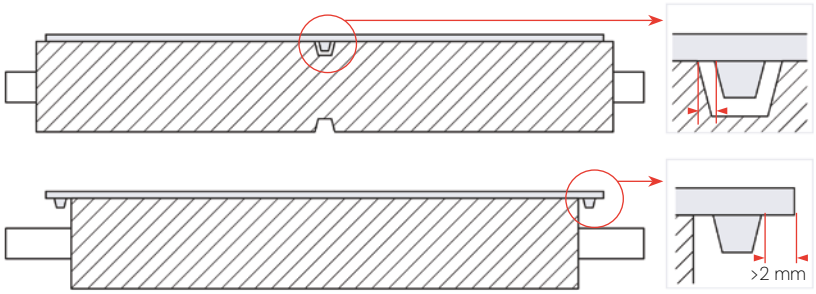
Profile attachment is best carried out on 2 or more ply belts.

The table shows the minimum cover thicknesses depending on the type of profile.

Material	Profile type	Minimum belt cover thickness
PVC	Short fingers profiles	0,3 mm
PVC	Profiles and guides up to 30 mm high (except NE.012, NE.C14, NE.015, and NE.K16)	0,5 mm
PVC	Reinforced profiles	0,8 mm
PVC	Height 40, 50, 60 mm and types NE.012 and NE.C14	0,8 mm
PVC	Height 70, 80 mm and types NE.015, NEK.16, and fingers	1,0 mm
TPU	All types	0,25 mm
TPE	All types	0,3 mm
TPO	All types	0,5 mm

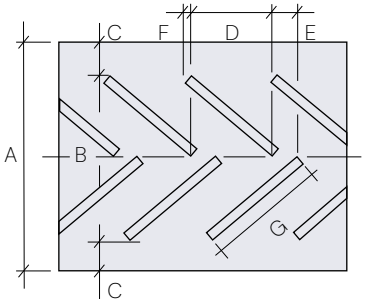
To obtain good results with a **tracking guide**, the grooves in the pulleys, rollers and slider beds must be larger than the tracking guide which is welded to the belt (see diagram).

To weld **longitudinal guides**, it is necessary to leave a minimum of 2 mm of lateral margin between the edge of the belt and the guide.



Guides can be welded in an **open "V" shape** on the top cover of the belt, respecting the dimensions indicated in the table.

Dimensions mm							
A	400	500	600	650	800	1000	1200
B	300	400	450	480	600	800	900
C	50	50	75	85	100	100	150
D	180	205	210	225	286	348	390
E	20	20	20	20	20	20	20
F	18	18	24	30	50	60	60
G	250	300	325	350	450	550	600

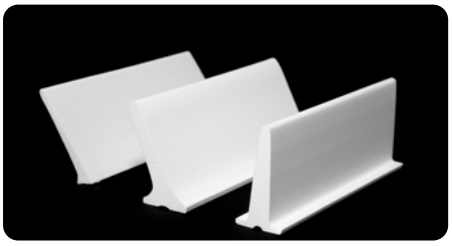


PVC = Polyvinyl chloride PES = Polyester (textile fiber) TPE = Thermoplastic polyester TPU = Thermoplastic polyurethane TPO = Polyolefin

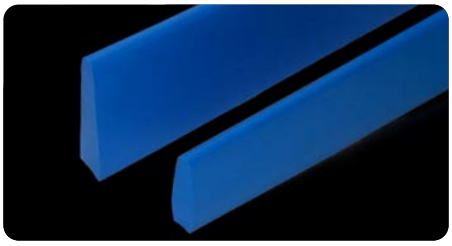
Cleats

On inclined conveyors, esbelt® cleats or flights, which are traversal profiles, prevent product rollback and improve load capacity. The appropriate profile is chosen based on the material and inclination, allowing angles of up to 70°.

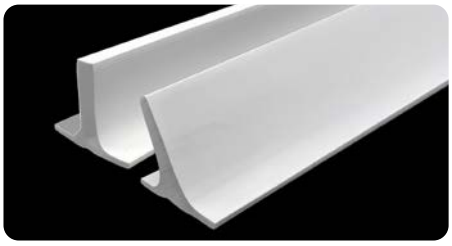
esbelt® profiles are resistant to oils and fats.



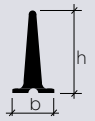
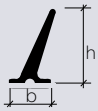
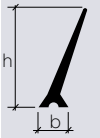
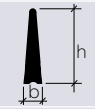
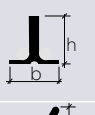
Profiles with grooved base



Profiles without base



Profiles with wide base

Section	Arrangement	Type	Dimensions		Material	Hardness °ShA	Color (1)	Special charact. (2)	Temp. °C	Weight g/m	Transversal	
			b mm	h mm							Min. pitch mm	Min. ø (3) mm
	Straight	NV.020-70	25	20	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	285	45	120
	Straight	NV.030-70	25	30	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	370	45	120
	Straight	NV.040-70	25	40	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	450	45	120
	Straight	NV.050-70	25	50	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	600	45	120
	Straight	NV.060-70	25	60	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	700	45	150
	Inclined	NL.030-70	25	30	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	430	50	120
	Inclined	NL.040-70	25	40	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	550	50	120
	Inclined	NL.050-70	25	50	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	700	50	120
	Inclined	NL.060-70	25	60	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	780	50	150
	Inclined	NL.070-70	40	70	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	1240	130	170
	Inclined	NL.080-70	40	80	PVC	70	BL-BK-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	1400	130	180
	Straight	UV.020	10	20	TPU	85	BL-BK-GR-WH	🍴 🦴 🌱 ▲	-10 +100	140	30	40
	Straight	UV.030	10	30	TPU	85	BL-BK-GR-WH	🍴 🦴 🌱 ▲	-10 +100	180	30	45
	Straight	UV.040	10	40	TPU	85	BL-BK-GR-WH	🍴 🦴 🌱 ▲	-10 +100	230	30	50
	Straight	UV.050	10	50	TPU	85	BL-BK-GR-WH	🍴 🦴 🌱 ▲	-10 +100	300	30	50
	Straight	UV.050-MD-BL09	10	50	TPU	85	BL09	🍴 🦴 🌱 ▲ MD	-20 +100	300	30	50
	Straight	PV.020	10	20	TPO	90	TR	🍴 🦴 🌱 ▲	-10 +50	95	30	100
	Straight	PV.030	10	30	TPO	90	TR	🍴 🦴 🌱 ▲	-10 +50	135	30	100
	Straight	PV.050	10	50	TPO	90	TR	🍴 🦴 🌱 ▲	-10 +50	235	30	100
	Straight	EV.020	10	20	TPE	40° ShD	NT	🍴 🦴 🌱 ▲	-20 +105	130	30	80
	Straight	EV.030	10	30	TPE	40° ShD	NT	🍴 🦴 🌱 ▲	-20 +105	170	30	80
	Straight	EV.050	10	50	TPE	40° ShD	NT	🍴 🦴 🌱 ▲	-20 +105	300	30	80
	Inclined	UL.030	10	30	TPU	85	BL-BK-GR-WH	🍴 🦴 🌱 ▲	-10 +100	215	40	45
	Inclined	UL.040	10	40	TPU	85	BL-BK-GR-WH	🍴 🦴 🌱 ▲	-10 +100	255	40	50
	Inclined	UL.050	10	50	TPU	85	BL-BK-GR-WH	🍴 🦴 🌱 ▲	-10 +100	320	40	50
	Inclined	PL.030	10	30	TPO	90	TR	🍴 🦴 🌱 ▲	-10+50	155	40	100
	Inclined	PL.050	10	50	TPO	90	TR	🍴 🦴 🌱 ▲	-10+50	225	40	100
	Inclined	EL.030	10	30	TPE	40° ShD	NT	🍴 🦴 🌱 ▲	-20 +105	210	40	80
	Inclined	EL.050	10	50	TPE	40° ShD	NT	🍴 🦴 🌱 ▲	-20 +105	310	40	80
	Straight	NV.030-70-WB	7,5	33	PVC	70	BL	◆ 🍴 🦴 🌱 ▲	-10 +80	300	27,5	50
	Straight	NV.050-70-WB	11,5	53	PVC	70	BL	◆ 🍴 🦴 🌱 ▲	-10 +80	700	31,5	60
	Straight	NEM.040-62	45	40	Soft PVC	62	BL-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	640		120
	Straight	NEM.060-62	55	60	Soft PVC	62	BL-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	1050		150
	Inclined	NEQ.040-62	42	40	Soft PVC	62	BL-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	635		120
	Inclined	NEQ.060-62	60	60	Soft PVC	62	BL-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	1150		150
	Inclined	NEQ.070-62	60	70	Soft PVC	62	BL-GR-WH	◆ 🍴 🦴 🌱 ▲	-10 +80	1400		170

b = base, h = height.

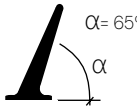
(1) BK = Black (non food grade), BL = Blue, GR = Green, NT = Natural, TR = Transparent, WH = White.

(2) Special characteristics:

- ◆ *Antistatic*
- 🍴 *FDA EU*
- 🦴 *Resistant to animal fats*
- 🌱 *Resistant to vegetable oils*
- ▲ *Resistant to mineral oils*
- *Anti-hydrolysis*
- MD *Metal & X-Ray detectable*

(3) The minimum diameters indicated are recommended for normal working conditions at 20°C. Lower temperatures require larger diameters.

Profile angle before welding



Once welded, the angle variation is minimal.

PVC = Polyvinyl chloride PES = Polyester (textile fiber) TPE = Thermoplastic polyester TPU = Thermoplastic polyurethane TPO = Polyolefin

Reinforced profiles

With a robust and durable structure, **esbelt**® reinforced profiles offer excellent resistance to cuts and ripping, increasing the belt´s transverse rigidity. They are ideal for demanding applications where impacts occur.

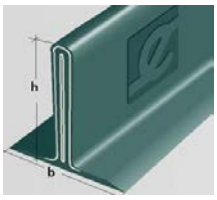
Available in straight and inclined versions. Supplied in 2 m strips.

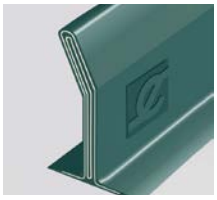
Black reinforced profiles

Reinforced profile

Blue reinforced profile with K pattern

Type	Shape	Dimensions		Material	Transversal		Color [1]
		b mm	h mm		Min. pitch mm	Min. ø [2] mm	
NRR030	Straight	50	30	PVC	70	120	BL06-WH-GR00
NRR050	Straight	50	50	PVC	70	120	BL06-WH-GR00
NRR070	Straight	50	70	PVC	70	120	BL06-WH-GR00
NRR100	Straight	50	100	PVC	70	120	BL06-WH-GR00
NIR070	Inclined	50	68	PVC	70	120	BL06-WH-GR00
NIR100	Inclined	50	97	PVC	70	120	BL06-WH-GR00
URR020	Straight	25	20	TPU	35	80	BL06-BK
URR030	Straight	25	30	TPU	35	80	BL06-BK
URR040	Straight	25	40	TPU	35	80	BL06-BK
URR050	Straight	25	50	TPU	35	80	BL06-BK
URR060	Straight	25	60	TPU	35	80	BL06-BK
URR090	Straight	25	90	TPU	35	80	BL06-BK



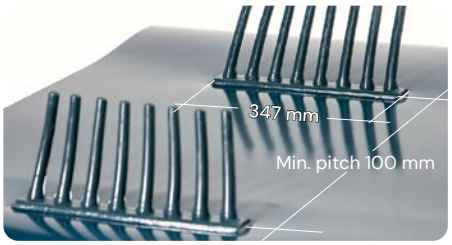


Also available with a patterned finish to prevent products from sticking.
Reinforced TPU profiles = Pattern A2 (BL06-WH).
Reinforced PVC profiles = Pattern K (BL06-WH-GR00).
b = base, h = height
[1] BK = Black, BL06 = Blue 06, GR00 = Green 00, WH = White.
[2] The minimum diameters indicated are recommended for normal working conditions at 20°C. Lower temperatures require larger diameters.

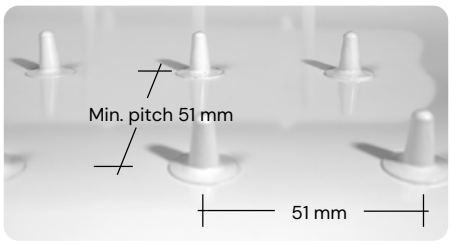
Fingers and Short Fingers

As an alternative to transverse profiles, **esbelt**® offers finger-type profiles. They are especially suitable for inclined conveying of fruits (preventing sudden impacts that could damage its appearance) and frozen foods (preventing sticking to the profile thanks to their cylindrical structure).

Additionally, **esbelt**® offers short-finger profiles, mainly used in harvesters for thin-skinned fruits (apples, nectarines, peaches, pears, etc.) and in the conveying and sorting of asparagus.



Fingers



Short fingers

Short fingers

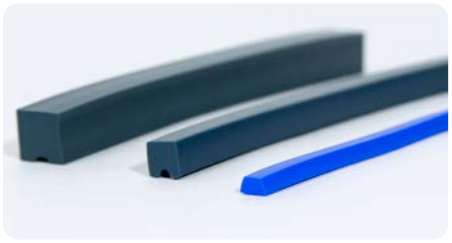
Profile	Type	Shape	Height mm	Material	Hardness °ShA	Transversal		Color [1]
						Min. pitch mm	Min. ø mm	
Fingers	NF80F92	Inclined	92	PVC	80	100	100	BL06-WH-GR00
Short fingers	NV67T25	Straight	25	PVC	67	51	60	BL06-WH-GR00

[1] BL06 = Blue 06, GR00 = Green 00, WH = White.

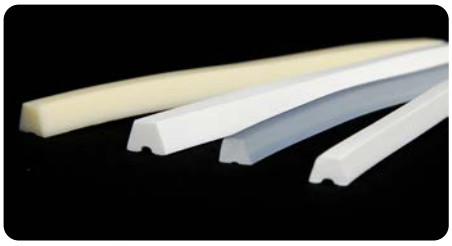
Guides

Guide profiles—square, rectangular, or trapezoidal—can be welded in various positions depending on the application. PVC and TPU trapezoidal profiles can be notched, improving flexibility and allowing the minimum drum diameter to be reduced by 10%.

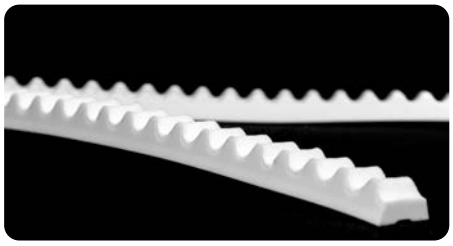
esbelt® guides are resistant to oils and fats.



Square guide profiles



Trapezoidal guide profiles



Notched guide profiles

Section	Type	Dimensions b mm	h mm	a mm	Material	Hardness °ShA	Color (1)	Special characteristics (2)	Temp. °C	Weight g/m	Transversal Min. pitch mm	Transversal Min. ø mm (3)	Longitudinal Min. ø mm (3) Bottom side	Longitudinal Min. ø mm (3) Top side	Possible pos. (4)
	NE.008-62	8	8		PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	75	28	100	60	110	T-G-L-V
	NE.012-62	12	12		PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	175	32	100	80	120	T-G-L-V
	PE.008	8	8		TPO	90	TR	🍴 🍗 💧 ▲	-10 +50	56	28	100			T-V
	PE.012	12	12		TPO	90	TR	🍴 🍗 💧 ▲	-10 +50	133	32	100			T-V
	NE.015-62	20	15		PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	330			200	250	G-L
	NA.X04-62	6	4	4	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	23			25	30	G-L
	UA.X04	6	4	4	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	24			25	30	G-L
	UA.X04-MD-BL09	6	4	4	TPU	85	BL09	🍴 🍗 💧 ▲ ☂ MD	-20 +100	24			25	30	G-L
	NE.Y05-62	8	5	4,4	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	40	28	50	50	60	T-G-L-V
	NE.Z06-62	10	6	5,6	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	60	30	70	70	80	T-G-L-V
	NE.A08-62	13	8	7,2	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	100	33	90	90	100	T-G-L-V
	NE.B11-62	17	11	9	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	180	37	100	100	120	T-G-L-V
	NE.C14-62	22	14	11,8	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	300	42	150	150	180	T-G-L-V
	NE.K16-70	30	16	18,4	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	470	50	250	250	250	T-G-L-V
	UE.Y05	8	5	4,4	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	40	28	50	50	60	T-G-L-V
	UE.Z06	10	6	5,6	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	59	30	70	70	80	T-G-L-V
	UE.A08	13	8	7,2	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	98	33	90	90	100	T-G-L-V
	UE.B11	17	11	9	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	170	37	100	100	120	T-G-L-V
	UEY05-MD-BL09	8	5	4,4	TPU	85	BL09	🍴 🍗 💧 ▲ ☂ MD	-20 +100	40	28	50	50	60	T-G-L-V
	UEZ06-MD-BL09	10	6	5,6	TPU	85	BL09	🍴 🍗 💧 ▲ ☂ MD	-20 +100	59	30	70	70	80	T-G-L-V
	UEA08-MD-BL09	13	8	7,2	TPU	85	BL09	🍴 🍗 💧 ▲ ☂ MD	-20 +100	98	33	90	90	100	T-G-L-V
	PE.Z06	10	6	5,6	TPO	90	TR	🍴 🍗 💧 ▲	-10 +50	46	30	100			T-V
	PE.A08	13	8	7,2	TPO	90	TR	🍴 🍗 💧 ▲	-10 +50	75	33	110			T-V
	PE.B11	17	11	9	TPO	90	TR	🍴 🍗 💧 ▲	-10 +50	130	37	120			T-V
	EE.Z06	10	6	5,6	TPE	40° ShD	NT	🍴 🍗 💧 ▲	-20 +105	56	30	80		80	T-G-L-V
	EE.A08	13	8	7,2	TPE	40° ShD	NT	🍴 🍗 💧 ▲	-20 +105	95	33	90		100	T-G-L-V
	EE.B11	17	11	9	TPE	40° ShD	NT	🍴 🍗 💧 ▲	-20 +105	167	37	100		120	T-G-L-V
	DA.X04-62	6	3,5	4,25	PVC	40° ShD	NT	🍴 🍗 💧 ▲	-20 +105	18			15		G-L
	DE.Y05-62	8	4,5	4,7	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	30			35		G-L
	DE.Z06-70	10	5,5	6	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	45			50		G-L
	DE.A08-62	13	7,5	7,5	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	75			70		G-L
	DE.B11-62	17	10,5	10,3	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	140			80		G-L
	DE.C14-62	22	13,5	12,2	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	245			125		G-L
	DE.K16-70	30	15,5	18,4	PVC	70	BL-BK-GR-WH	◆ 🍴 🍗 💧 ▲	-10 +80	370			170		G-L
	DUA.X04	6	3,5	4,25	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	19			15		G-L
	DUE.Y05	8	4,5	4,7	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	35			35		G-L
	DUE.Z06	10	5,5	6	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	45			50		G-L
	DUE.A08	13	7,5	7,5	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	74			70		G-L
	DUE.B11	17	10,5	9	TPU	85	BL-BK-GR-WH	🍴 🍗 💧 ▲	-10 +100	130			80		G-L

b = base, h = height, a = top width.

(1) BK = Black (non food grade), BL = Blue, GR = Green, NT = Natural, TR = Transparent, WH = White.

(2) Special characteristics:

- ◆ *Antistatic*
- 🍴 *FDA EU*
- 🍗 *Resistant to animal fats*
- 💧 *Resistant to vegetable oils*
- ▲ *Resistant to mineral oils*
- ☂ *Anti-hydrolysis*
- MD *Metal & X-Ray detectable*

(3) The minimum diameters indicated are recommended for normal working conditions at 20°C. Lower temperatures require larger diameters.

(4) Profile positioning: T = Transversal, G = Inner tracking guide, L = Lateral retaining wall, V = V-shape.

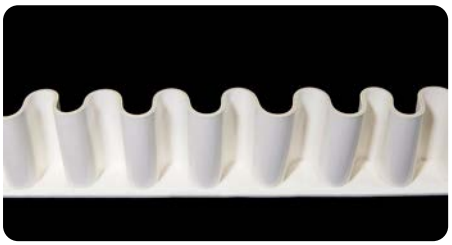
PVC = Polyvinyl chloride TPE = Thermoplastic polyester TPU = Thermoplastic polyurethane TPO = Polyolefin

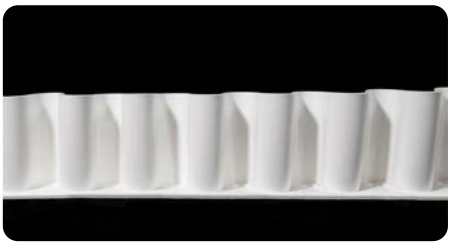
Runer®
Sidewalls

Runer® sidewalls for PVC and TPU conveyor belts as an alternative to troughed conveyor belts.



Runer® without base





Runer® with base

Runer® sidewalls provide an efficient alternative to troughed belts for bulk material conveying, especially in inclined, compact, or space-limited systems.

Their design offers multiple advantages:

- Conveying capacity increased by 50% to 80%.
- Cover wear reduced by eliminating contact with trough rollers.
- No side skirts required, avoiding spillage at discharge area.
- Belt tracking improved through the use of horizontal rollers.
- Smooth transitions between horizontal and inclined conveying.

Runer® types and characteristics

Type	Base	Material	Internal reinforcement	Thickness mm	Pitch cF mm	Height hF mm	Recommendations	Hardness ºShA	Color (1)	Special charact. (2)
FRRS	×	PVC	PES, high rigidity	5,0	55	35 - 100	Conveyors with inflections or of large length and width.	70	BL-WH	🍴
								78	BK-GR	
FSSS	×	PVC	PES, standard rigidity	3,5	30	35 - 65	Conveyors without inflections or lighter ones.	70	BL-WH	🍴
								78	GR	
FNSS	×	PVC	×	4,0	30	35 - 45	Conveyors with very small drum diameters and no inflections.	70	BL-WH	🍴
								78	GR	
FSRC	✓	PVC	PES, standard rigidity	3,5	55	35 - 85	For manual welding.	70	BL-WH	🍴
								78	GR	
UNSS	×	Standard TPU	×	2,1	30	20 - 60	Standard TPU belts.	85	BLO6-WH	🍴
								85	BK	
UNSM	✓	Standard TPU	×	2,1	30	35 -55	For manual welding.	85	BLO6-WH	🍴
UPNSS	×	Premium TPU	×	2,1	30	20 - 60	Premium TPU belts.	85	BLO9	🍴 ☂ MD
								85	WH	🍴 ☂

(1) *BK = Black, BL = Blue, GR = Green, NT = Natural, TR = Transparent, WH = White.*

(2) 🍴 *FDA EU* ☂ *Anti-hydrolysis* MD *Metal & X-Ray detectable*

PVC = Polyvinyl chloride TPU = Thermoplastic polyurethane PES = Polyester (textile fiber)

Runer® - Without base

Profile welded directly to the belt.

PVC

Type FRRS

Type	Height hF mm	Width aF mm *	Pitch cF mm	Min. ø mm	Thickness mm
FRRS35	35	51	55	80	5
FRRS40	40	51	55	100	5
FRRS45	45	51	55	100	5
FRRS50	50	51	55	120	5
FRRS55	55	51	55	120	5
FRRS60	60	51	55	140	5
FRRS65	65	51	55	140	5
FRRS70	70	51	55	160	5
FRRS75	75	51	55	160	5
FRRS80	80	51	55	180	5
FRRS85	85	51	55	180	5
FRRS90	90	51	55	200	5
FRRS95	95	51	55	220	5
FRRS100	100	51	55	220	5

(*) For belts wider than 1700 mm, aF=48.

Type FSSS

Type	Height hF mm	Width aF mm *	Pitch cF mm	Min. ø mm	Thickness mm
FSSS35	35	33	30	80	3,5
FSSS40	40	33	30	90	3,5
FSSS45	45	33	30	90	3,5
FSSS50	50	33	30	100	3,5
FSSS55	55	33	30	100	3,5
FSSS60	60	33	30	110	3,5
FSSS65	65	33	30	120	3,5

(*) For belts wider than 1700 mm, aF=30.

Type FNSS

Type	Height hF mm	Width aF mm *	Pitch cF mm	Min. ø mm	Thickness mm
FNSS35	35	33	30	40	4
FNSS45	45	33	30	50	4

(*) For belts wider than 1700 mm, aF=30.

TPU

Type UNSS *Standard TPU*

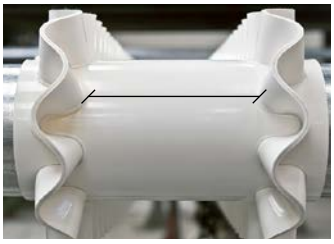
Type	Height hF mm	Width aF mm	Pitch cF mm	Min. ø mm	Thickness mm
UNSS20	20	28	30	35	2,1
UNSS25	25	28	30	40	2,1
UNSS30	30	28	30	45	2,1
UNSS35	35	28	30	50	2,1
UNSS40	40	28	30	60	2,1
UNSS45	45	28	30	65	2,1
UNSS50	50	28	30	75	2,1
UNSS55	55	28	30	80	2,1
UNSS60	60	28	30	90	2,1

Type UPNSS *Premium TPU*

Type	Height hF mm	Width aF mm	Pitch cF mm	Min. ø mm	Thickness mm
UPNSS20	20	28	30	35	2,1
UPNSS25	25	28	30	40	2,1
UPNSS30	30	28	30	45	2,1
UPNSS35	35	28	30	50	2,1
UPNSS40	40	28	30	60	2,1
UPNSS45	45	28	30	65	2,1
UPNSS50	50	28	30	75	2,1
UPNSS55	55	28	30	80	2,1
UPNSS60	60	28	30	90	2,1

Attachment of Runer® without base

Type	Max. height mm	Min. cover thickness mm	Max. belt width mm	Min. endless develop. with Runer® mm	Min. distance between 2 Runers® mm	Min. side margin between belt edges and Runer® mm
FRR-FSS-FNS	55	≥0,50	2400	3200	100	3
FRR-FSS	from 60 to 75	≥0,80	2400	3200	100	3
FRR	from 80	≥1,50	2400	3200	100	3
UNSS-UPNSS	all	≥0,30	2400	3510	30	7

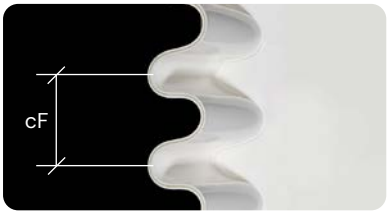


Min. distance between Runers®

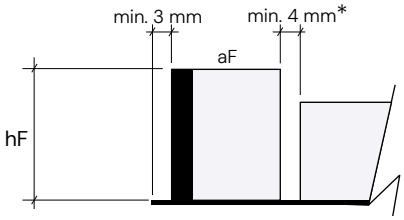
Arrangement of cleats and Runer® without base

The length of the cleat must be a multiple of 25 mm.

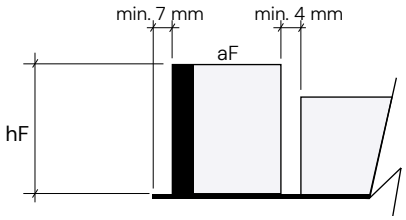
The distance between cleats must be a multiple of the cF pitch if every cleat is to match the Runer® wave.



Runer® PVC without base



Runer® TPU without base



(*) The minimum distance of 4 mm shall be increased to 5 mm when the cleat type is NL.070 or NL.080.

Runer® - With base

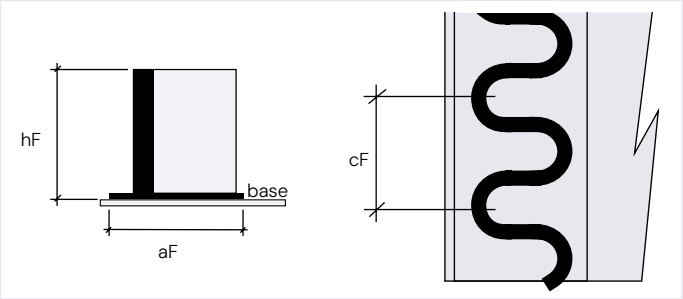
Profile for manual welding to the belt.

PVC

Type FSRC

Type	Height hF mm	Width aF mm	Pitch cF mm	Min. ø mm	Thickness mm
FSRC35	35	55	55	80	3,5
FSRC55	55	55	55	120	3,5
FSRC85	85	55	55	180	3,5

Observations: wave width = 45 mm / base thickness = 3,5 mm.



TPU

Type UNSM

Type	Height hF mm	Width aF mm	Pitch cF mm	Min. ø mm	Thickness mm
UNSM35	35	44	30	70	2,1
UNSM55	55	48	30	100	2,1

Observations: wave width = 28 mm / base thickness = 3,3 mm.

Runer® with base for manual heat welding using a Leister welder.

For all types of Runer® with base, the minimum thickness of the belt cover must be 0.8 mm.

Side skirts

Type	Material	Manufacturing width mm	Thickness mm	Hardness °ShA	Weight Kg/m²	Color (1)	Special charact. (2)
V15 PL	Polyolefin	1850	2,50	91	1,20	TR	P
F07CC-GR-EU	PVC	2000	1,30	85	1,60	GR00	◆
NF 104	PVC	100	4,00	70	0,50(3)	BL06-WH-GR00	◆ ▲
UNSS75	TPU	75	2,10	85	0,20(3)	BL06-BK-WH-GR09	▲
UNRS85	TPU	87	3,30	85	0,365(3)	BL06-WH-GR09	▲
EF603-BL06(4)	TPE	60	3,00	40° ShD	2,00	BL06	▲

(1) BK = Black, BL06 = Blue 06, GR00 = Green 00, GR09 = Green 09, TR = Transparent, WH = White.

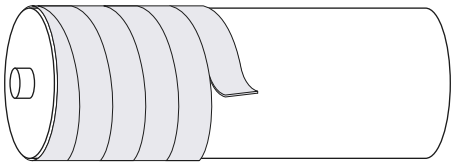
(2) ◆ Antistatic
FDA EU
Resistant to animal fats
Resistant to vegetable oils
Resistant to mineral oils
Anti-hydrolysis
MD Metal & X-Ray detectable

(3) Weight in Kg/m.

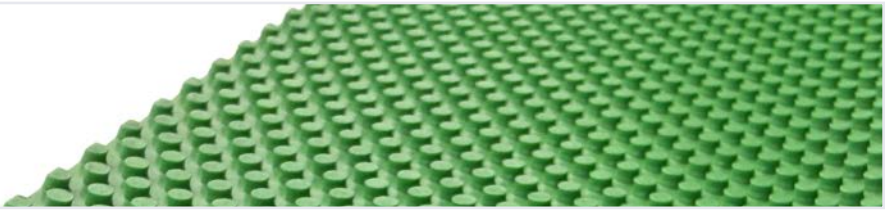
(4) Special - Supplied in full roll.

Drum lining

The Rotor R03C2 drum lining increases the friction coefficient between the belt and the drum, preventing slippage both during startup and in wet or dusty environments.



R03C2
1-ply, flexible weft
PVC, green 02, hardness 78 °ShA
Pattern C2
Total thickness 1,9 mm



PVC = Polyvinyl chloride PES = Polyester (textile fiber) TPE = Thermoplastic polyester TPU = Thermoplastic polyurethane

Buckets

For conveying bulk products in vertical elevator conveyors. Ensures complete discharge of the lifted material. Compliant with FDA, EU 10/2011, and EC1935/2004 food safety regulations.

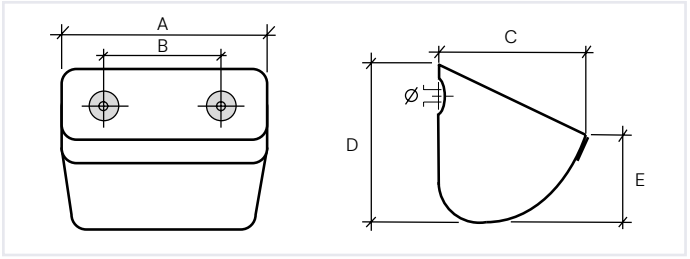
Series

Polyethylene
Hardness 62 °ShD

White color. FDA, EU Regulation 10/2011, and EC 1935/2004. Maximum operating temperature 60°C.

Application for non-abrasive powdered and granular products, flours, tobacco, fruit, animal feed, phosphates, and powdered urea; foodstuffs in general, chemical products, wet materials, and adhesives, etc.

Type	Color (1)	A mm	B mm	C mm	D mm	E mm	Holes ø mm	Holes Nº	Cap. l	Weight g
100	WH	106	49	91	89	45	7	2	0,22	55
120	WH	126	63	111	105	47	7	2	0,32	75
140	WH	145	80	111	120	60	7	2	0,58	110
160	WH	169	98	123	132	68	7	2	0,79	152
180	WH	184	104	137	138	75	7	2	1,1	201
200	WH	202	117	147	140	70	9	2	1,16	250
230	WH	237	75	157	152	82	10	3	1,58	290
250	WH	258	78	159	164	82	11	3	2,04	360
300	WH	305	100	178	180	98	11	3	2,98	485
315	WH	320	110	190	195	103	11	3	3,3	625



Polyamide
Hardness 72 °ShD

White and green. Antistatic. EU Regulation 10/2011 and EC 1935/2004. Maximum operating temperature 110°C.

Application for small- to medium-sized granular products, including abrasive materials, rice, sugar, cereals, pelletized feed, cement, clay, silica, foundry sand; as well as active products, detergents, fertilizers, salt, and more.

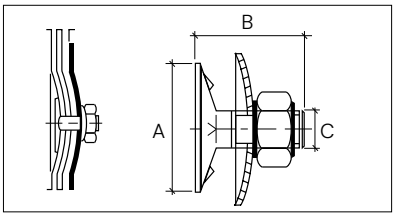
Type	Color (1)	A mm	B mm	C mm	D mm	E mm	Holes ø mm	Holes Nº	Cap. l	Weight g
100	WH	113	50	94	97	47	7	2	0,24	70
100	GR	107	50	90	90	47	7	2	0,24	74
120	WH	129	64	110	106	51	7	2	0,41	95
120	GR	129	64	106	106	58	7	2	0,41	135
140	WH	145	81	117	120	60	7	2	0,55	145
140	GR	145	81	113	120	64	7	2	0,55	150
160	WH	170	98	128	132	69	7	2	0,75	190
160	GR	170	98	125	132	69	7	2	0,83	190
180	WH	190	105	137	140	75	7	2	1,10	235
180	GR	190	105	137	140	78	7	2	1,17	255
200	WH-GR	205	119	147	142	74	9	2	1,24	317
230	WH-GR	237	75	157	152	85	10	3	1,64	375
250	WH-GR	262	79	161	165	87	11	3	2,17	475
300	WH-GR	305	100	178	180	98	11	3	3,30	610
315	WH	328	111	190	195	108	11	3	3,45	785

(1) *GR = Green, WH = White.*

Bolts

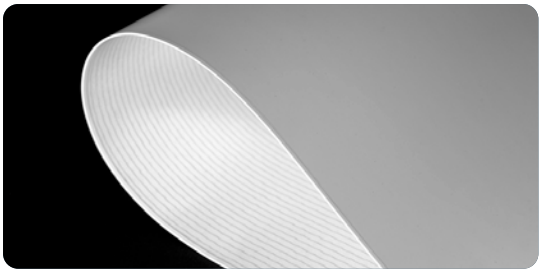
Galvanized steel bolt supplied with nut and concave washer.
The bolt is fanged for better securing to the belt.

Type	A mm	B mm	C mm
M6 x 25	21	25	6
M8 x 30	27	30	8
M10 x 40	30	40	10



Workshop services

esbelt® workshop, experts in custom belt design and fabrication.



Edge Sealing

An additional safety and hygiene measure that prevents oils and moisture from penetrating the fabric, reducing the risk of microbial growth, ply separation, and fiber detachment that could contaminate the product.

Our belt edge sealing technology is developed by the **esbelt®** technical team, ensuring effective and long-lasting protection rather than a simple edge covering fusion method.

Perforated belts

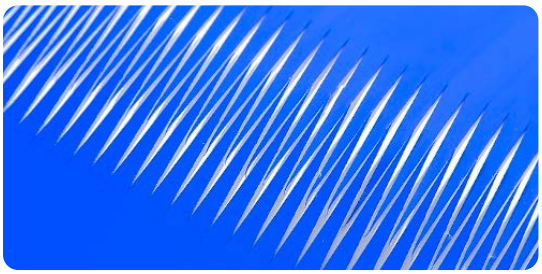
We have the capability to perforate conveyor belts in various configurations for different applications.

Perforated belts are used in applications such as vacuum belts, drainage and filtering belts, bucket elevator belts, and other industrial processes.

Accessory installation

In our workshop, we install a wide range of accessories on belts to adapt them to different applications. These include:

Cleats (flights), guide profiles, sidewalls, continuous waves for delicate fruits, and segmented side profiles, widely used in the fruit and vegetable sector. All accessories are attached using high-quality thermo-welding, ensuring a strong bond, excellent mechanical resistance, and long service life.



Splices

We offer splicing solutions tailored to each application, ensuring strength and durability:

Endless vulcanized joints: strong and solid connections. Diagonal splices: high resistance in demanding environments. Ends prepared for vulcanization: ready for efficient installation. Plastic or metal fasteners: quick assembly and disassembly. Hidden clips: smooth, continuous surface for greater safety.

Curved belts

We manufacture and prepare belts for curved conveyors, ensuring precise and stable tracking even with tight radii. Each belt is supplied with the necessary accessories and finishes for a perfect fit to the conveyor, optimizing space and improving workflow on the production line.

Grape harvesting machine belts

Based on our experience and the meters produced, **esbelt®** is a leader in this market. Our belts are extensively tested and recognized for their robustness and high transverse rigidity, always working flat and centered; service life up to twice the average, with the possibility of repair to extend their use in subsequent campaigns; high-frequency heat-sealed profiles with high resistance to impacts and tears.

We also offer other custom-made workshop services. Contact us.

Machinery

For belt handling. Suitable for use in workshops or on-site handling.

For conveyor belts

LCM 225MA
Manual slitter

LCM 225EEN
Automatic slitter

Slitters designed for the longitudinal cutting of belts up to 2250 mm wide.

The manual version, LCM225MA, includes a support table and can work with belts up to 9 mm thick, with the option of becoming automatic if expanded with a winder and unwinder.

The automatic version, LCM225EEN, offers greater capacity, for belts up to 1500mm in diameter and 2500 kg, guaranteeing precision and effciency in slitting.

LPBE 600ACI
Air-cooled press, 600 mm

LPBE 1200ACI
Air-cooled press, 1200 mm

LPBE **presses** with integrated controls are designed for on-site vulcanization of thermoplastic belts. Their aluminum structure makes them lightweight and resistant, ensuring comfortable handling and durability. Thanks to their air cooling system, they offer practical and reliable use in different working environments.

LPBE 600ACI, for belts up to 600 mm width.

LPBE 1200ACI, for belts up to 1200 mm width.

LSTR 150
Ply separator

Designed to accurately separate plies from the ends of 2 and 3 ply PVC, TPU, and TPO belts.

Cutting width adjustable up to 150 mm.

LTMR 121
Manual finger cutting machine

Designed to cut conveyor belt ends in the form of fingers, in preparation for vulcanizing joint.

Working width of 1190 mm in a single assembly, with both sides open for unlimited belt widths.

LSM 1200
Welding machine for longitudinal profiles

Allows for simultaneous welding of 2 profile guides on one belt or two parallel belts with the same thickness.

Maximum working width 1200 mm.

Globally committed, locally focused.

With subsidiaries in the USA, France, Germany, and Denmark, we deliver direct service to key markets.

We have a **network of distributors with workshops on five continents**. This allows us to offer proximity, specialized support, and responsive service anywhere in the world.

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