

CONVEYOR AND ELEVATOR BELTS  
FOR THE FOOD AND  
AGRICULTURAL INDUSTRIES

● Fire security belts 

EN12882 2B ATEX Category / DIN S / ISO 340

● Fire security belts 

EN12882 2A ATEX Category / DIN K / ISO 340

● Oil and fat resistant conveyor  
and elevator belts

● Anti-abrasiv and anti-static  
conveyor and elevator belts

● ROUND BALER





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# CONVEYOR AND ELEVATOR BELTS FOR FOOD AND AGRICULTURAL INDUSTRIES

## TRANSCO what is it ?



### Food industry

A full range of conveyor products for the food industries in black and white rubber with various carcass constructions.



### European leader

TRANSCO is one the European leader for the manufacture of conveyor and elevator belts for the bulk handling of materials in food and agricultural industries.



### Manufactured in France

TRANSCO range is manufactured in France.



### A strong R&D department

TRANSCO is a technically innovative brand, fully committed to respecting international norms and standards.



### Food grade

In accordance with European regulations, TRANSCO belts are manufactured to EN 1935/2004 and are classed as safe for human and animal health.



### Oil and fat resistant

According to your requirements, TRANSCO belts can be medium oil resistant (MOR) or full nitrile oil and fat resistant (SOR).



### EN12882 standard

The EN12882 standard (electrical safety and protection against flammability) combines ISO 284 standard which limits the electrostatic risk and ISO 340 standard for flame resistance.



TRANSCO belts fall into 2 categories:

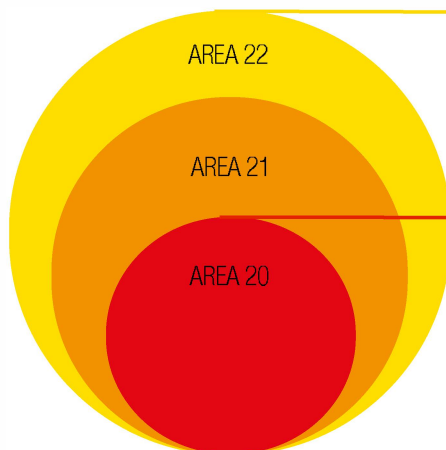
- EN12882 - 2A category: ISO 284 and ISO 340 with cover.

- EN12882 - 2B category: ISO 284 and ISO 340 with and without cover,

## Quality and security certification

The Cobra Group is an ISO 9001-2015 certified manufacturer.

The Cobra group is audited annually by INERIS for the manufacturing of fire safety EN12882 conveyor belts according to ATEX regulation 2014/34/UE. Safety category 2A conveyor belts are self certified with manufacturing files submitted to INERIS.



### CONVEYOR AND ELEVATOR BELTS EN12882 2A CATEGORY

- Flame retardant with covers, according to ISO 340
- Antistatic according to ISO 284,
- Suitable for ATEX areas 21 and 22 by self certification and manufacturing files submitted to INERIS.

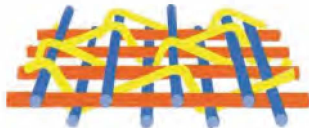
### CONVEYOR AND ELEVATOR BELTS EN12882 2B CATEGORY

- Flame retardant with and without covers, according to ISO 340
- Antistatic according to ISO 284,
- Suitable for ATEX areas 20-21 and 22 by submission of manufacturing files to INERIS and annual audit by INERIS.

## Two types of carcass



The multiply carcass is made of 2 to 4 plies, linked together by a layer of rubber. The interplies provide impact resistance to the structure of the belt and can also be oil and fat resistant and flame retardant.



Straight warp carcasses are made of a straight warp composed of thick twisted polyester cables protected by top and bottom polyamide weft lines. DX-Flex belts in the TRANSCO range can have one or two plies of straight warp carcass.

Strong resistance to impact damage, resistance to tearing, suitable for smaller pulleys and Very Low Elongation (VLE) are characteristics of TRANSCO straight warp belts.

## Technical characteristics

	BLAK						FDA BLANC				ROUND BALER				
	SUPER GS 2A	GS 2A	GS 2B	SUPER G	G	ACID	VLE SUPER GS 2A	SUPER GS 2B	SUPER G	S1	AA	LL	LR	LG	GG
<b>Cover resistance</b>															
Abrasion	x	x	x	x	x	x				x	x	x	x	x	x
Acid						x									
Fat resistance (Super / SOR)	x			x			x	x	x						
Fat resistance (Medium / MOR)		x	x		x										
<b>Food grade</b>															
FDA							x	x	x	x					
Regulation (EU) n°1935/2004							x	x	x	x					
<b>Safety</b>															
Antistatic - ISO 204	x	x	x	x	x	x	x	x	x	x					
ATEX Regulation 2014/34/UE	x	x	x				x	x							
Fire safety 2A / DIN K / ISO 340	x	x					x								
Fire safety 2B / DIN S / ISO 340			x					x							

## Specific belts for specific applications

	Sugar beet chain			Sugar cane chain		Cereals, flour chain			Other chains				Round Baler		
	Moist pulp	Pressed beet pulp	Dry or moist sugar	Cane sugar	Refined sugar	Cereals	Mixed silos (cereals / oleaginous)	Non greasy cereals	Malt	Rice	Salt	Fertilizers			
BLAK ACID	x			x											
BLAK G		x				x	x								
BLAK SUPER G							x								
BLAK GS		x					x	x					x		
BLAK SUPER GS							x	x					x		
FDA BLANC AA									x			x			
FDA BLANC S1				x	x	x									
FDA BLANC SUPER G						x	x								
FDA BLANC SUPER GS			x		x	x					x				
Round Baler															x



## FIRE SECURITY BELTS TESTED WITH AND WITHOUT COVERS TO EN12882 - 2B ATEX CATEGORY / DIN S / ISO 340

### Main characteristics

The TRANSCO range of fire security conveyor belts manufactured to EN12882 2B have the following characteristics:

- medium oil resistant (MOR) or full nitrile oil and fat resistance (SOR),
- antistatic to ISO 284,
- flame retardant characteristic tested with and without covers, to ISO 340 (6 samples and each samples self extinguishing within 15 seconds and a total of 45 seconds for all 6 samples),
- suitable for ATEX areas 20-21 and 22 by submission of manufacturing files to INERIS and annual audit by INERIS.

### CHARACTERISTICS FOR THE 2B ATEX BELTS

**Tensile strength:** from 250 N/mm to 1600 N/mm

**Number of plies:** from 2 to 4 plies

**Width:** from 100mm to 1650mm

**Cover:** thickness: from 1mm to 6mm

Further configurations are available without ATEX marking.

	Cover mechanical properties						Security			Food contact	
	Abrasive index	Temperature range	Fat resistance	Break resistance (Mpa)	Elongation at break (%)	Hardness shore A	Antistatic ISO 284	Flame retardant ISO 340 (With and without cover)	Atex Regulation 2014/34/UE	FDA	Regl. (EC) n°1935/2004
<b>FDA BLANC SUPER GS 2B</b>	<200mm³	-25°C to 80°C	Super / SOR	11	500	70	X	2B / DIN S	II 1 Dc Areas 20-21-22	X	X
<b>BLAK GS 2B</b>	<170mm³	-20°C to 80°C	Medium / MOR	13	450	60	X	2B / DIN S	II 1 Dc Areas 20-21-22		



## FIRE SECURITY BELTS TESTED WITH COVERS TO EN12882 - 2A ATEX CATEGORY / DIN K / ISO 340

### Main characteristics

The TRANSCO range of fire safety conveyor belts manufactured to EN12882 2A have the following characteristics:

- medium oil resistant (MOR) or full nitrile oil and fat resistance (SOR),
- antistatic to ISO 284,
- flame retardant characteristic tested with covers, to ISO 340,  
(6 samples and each samples self extinguishing within 15 seconds and a total of 45 seconds for all 6 samples),
- suitable for ATEX areas 21 and 22, by self certification and annual audit by INERIS.

### CHARACTERISTICS FOR THE 2A ATEX BELTS

#### Tensile strength:

For the multiply carcass: from 250 N/mm to 1600 N/mm  
For the straight-warp carcass: from 400 N/mm to 1800 N/mm

#### Number of plies:

For the multiply carcass: from 2 to 4 plies  
For the straight-warp carcass: from 1 to 2 plies

**Width:** from 100mm to 1650mm

#### Cover:

For BLAK GS 2A (in multiply) : 3+1 ; 3+1,5 ; 3+2 ; 4+2  
For BLAK SUPER GS 2A (in multiply) : from 3+1 to 6+6  
For FDA BLANC SUPER GS 2A FLEX/VLE : from 3+1 to 6+6  
For BLAK GS 2A FLEX/VLE : from 3+1 to 6+6

Further configurations are available without ATEX marking.

	Cover mechanical properties						Security			Food contact	
	Abrasive Index	Temperature range	Fat resistance	Break resistance (Mpa)	Elongation at break (%)	Hardness shore A	Antistatic ISO 284	Flame retardant ISO 340 (With and without cover)	Atex Regulation 2014/34/UE	FDA	Regl. (EC) n°1935/2004
VLE / FLEX FDA BLANC SUPER GS 2A	<200mm <sup>3</sup>	-25°C to 80°C	Super / SOR	11	500	70	X	2A / DIN K	II 2 Du Areas 21-22	X	X
BLAK SUPER GS 2A	<170mm <sup>3</sup>	-25°C to 80°C	Super / SOR	13	350	70	X	2A / DIN K	II 2 Du Areas 21-22		
BLAK GS 2A	<170mm <sup>3</sup>	-20°C to 80°C	Medium / MOR	13	350	60	X	2A / DIN K	II 2 Du Areas 21-22		



## OIL AND FAT RESISTANT CONVEYOR AND ELEVATOR BELTS

### Main characteristics

The TRANSCO range of oil and fat resistant conveyor and elevator belts are suitable for handling sugar, cereals and oil bearing plants. These belts are also available in fire safety categories EN12882 2A or 2B (see pages 4 and 5).

### CHARACTERISTICS FOR THE OIL RESISTANCE BELTS (non exhaustive)

**Tensile strength:** from 250 N/mm to 1600 N/mm

**Width:** from 100mm to 1650mm

**Number of plies:** from 2 to 4 plies

**Cover:** thickness: from 1mm to 6mm

	Cover mechanical properties						Security			Food contact	
	Abrasive Index	Temperature range	Fat resistance	Break resistance (Mpa)	Elongation at break (%)	Hardness shore A	Antistatic ISO 284	Flame retardant ISO 340 (With and without cover)	Atex Regulation 2014/34/AE	FDA	Regl. (EC) n°1935/2004
FDA BLANC SUPER G	<200mm³	-25°C to 80°C	Super / SOP	11	500	70	x			x	x
BLAK SUPER G	<140mm³	-25°C to 80°C	Super / SOP	16	350	66	x				
BLAK G	<150mm³	-20°C to 80°C	Medium / MOP	16	350	60	x				



## ANTI STATIC AND ANTI ABRASIVE CONVEYOR AND ELEVATOR BELTS

### Main characteristics

The TRANSCO range of conveyor and elevator belts are suitable for industries requiring a high resistance to abrasive or acidic materials (eg: salt, beetroot ...).

### CHARACTERISTICS FOR THE ANTIABRASIVE AND ANTISTATIC BELTS (non exhaustive)

**Tensile strength:** from 250 N/mm to 1600 N/mm

**Number of plies:** from 2 to 4 plies

**Width:** from 100mm to 1650mm

**Cover:** from 1 mm to 6 mm

For FDA BLANC S1, minimum 3+2 to be antistatic.

	Cover mechanical properties						Security			Food contact	
	Abrasive Index	Temperature range	Fat resistance	Break resistance (Mpa)	Elongation at break (%)	Hardness shore A	Antistatic ISO 284	Flame retardant ISO 340 (With and without cover)	Atex Regulation 2014/34/UE	FDA	Regl. (EC) n°1935/2004
FDA BLANC S1	<110mm <sup>3</sup>	-25°C to 80°C	Medium / SOR	12	400	60	x			x	x
FDA BLANC AA	<120mm <sup>3</sup>	-30°C to 110°C		10	500	60					
BLAK ACID	<150mm <sup>3</sup>	-20°C to 80°C		16	400	65	x				



## ROUND BALER BELTS

TRANSCO Round Baler belts can be delivered in full slab width or cut to individual machine requirements. Those belts are designed to be high speed, hardworking belts, subjected to the stresses of small drum diameters and the stresses of folding backwards and forwards. Round Baler belts are generally EP textile 3 ply construction with SBR cover to ensure maximum adherence to the belt guides and pulleys.

### Round baler G-G



#### Type G-G : two grained sides

- maximum width: 1650 mm
- maximum length: 200 m
- weight: 6,84 kg/m<sup>2</sup>
- overall thickness: 5,5 mm

### Round baler L-G



#### Type L-G : one smooth side and one grained side

- maximum width: 1650 mm
- maximum length: 200 m
- weight: 6,84 kg/m<sup>2</sup>
- overall thickness: 5,5 mm

### Round baler L-L



#### Type L-L : one smooth side and one embossed side

- maximum width: 1450 mm
- maximum length: 110 m
- weight: 9,20 kg/m<sup>2</sup>
- overall thickness: 9,8 mm

### Round baler L-R



#### Type L-R : one smooth side and one diamond side

- maximum width: 1450 mm
- maximum length: 200 m
- weight: 8,85 kg/m<sup>2</sup>
- overall thickness: 7,5 mm



## SERVICE

### **Fast responsiveness to your emergencies**

- A large stock to meet your requirements,
- Short delivery time.

### **Made to measure service**

- Slitting to required width,
- Automated hole punching,
- Supply of buckets, nuts and bolts.

### **Belt joining systems**

- On site vulcanising (vulcanisation kits on request),
- Fasteners: quick and simple solution, we provide a complete range of fasteners available from stock,
- Stitching: stronger than other types of joints, the sewing allows the belt to keep its strength, resistance and flexibility.

**Please consult the catalogues of our DEPREUX range, for all our anti abrasive, fire, heat and oil resistant belts, as well as the INDI range for the transport of individual packages.**



## CONVEYOR BELT MANUFACTURER

Cobra has an international sales team and three production sites (in France, Poland and China).

With the three brands Depreux, Transco and Indi as well as the corresponding accessories and services, Cobra offers complete solutions for your requirements.

Our decades of experience is based on:

- a controlled manufacturing process,
- the traceability of raw materials,
- compliance with safety standards,
- cooperation with universities and institutes,
- Highly qualified staff.

For more information about our range, contact the nearest Cobra office:

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- Poland: +48 32 284 00 22
- England: +44 1332 203133
- Spain: +34 953 81 76 70
- United States: + 1-966-552-1536

 **TRANSCO**<sup>®</sup>

 **DEPREUX**

**indi**

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