

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-abrasive and anti-static
conveyor and elevator belts

● ROUND BALER



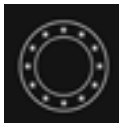
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CONVEYOR AND ELEVATOR BELTS FOR FOOD AND AGRICULTURAL INDUSTRIES

What is TRANSCO?



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 classified as safe for human and animal health.



Oil and fat resistant
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 covers.
- EN12882 - 2B category: ISO 284 and ISO 340 with and without covers.

Two types of carcass



The multi-ply 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 as well as flame retardant.



Straight warp carcasses are made of a straight warp composed of thick twisted polyester cables protected by top and bottom polyamide weft. VLE / 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

	BLACK						FDA WHITE					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
Cover resistance															
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					x					
Food grade															
FDA							x	x	x	x	x				
Regulation (EU) n°1935/2004							x	x	x	x	x				
Safety															
Antistatic - ISO 284	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							

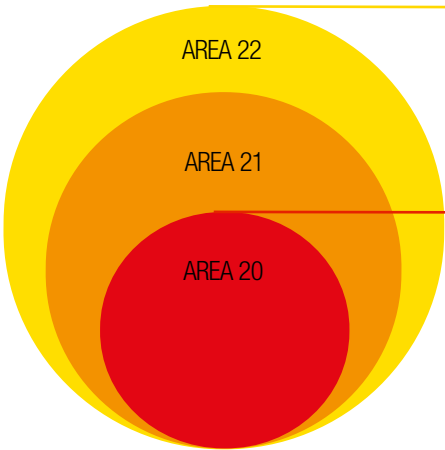
Belts for specific applications

	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	
BLACK ACID	x			x									
BLACK G		x				x	x						
BLACK SUPER G							x						
BLACK GS		x					x	x					x
BLACK SUPER GS							x	x					x
FDA WHITE AA									x		x		
FDA WHITE S1				x	x	x							
FDA WHITE SUPER G						x	x						
FDA WHITE SUPER GS			x	x	x	x				x			
Round Baler													x

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.



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 sample 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 (143 PIW) to 1600 N/mm (914 PIW)

Number of plies: from 2 to 4 plies

Further configurations are available without ATEX marking.

Width: from 100mm (4inch) to 1650mm (65inch)

Cover thickness: from 1 mm (1/16th) to 6 mm (1/4th)

	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 WHITE SUPER GS 2B	<200mm³	-25°C to 80°C -13°F to 176°F	Super / SOR	11	500	70	x	2B / DIN S	II 1 Dc Areas 20-21-22	x	x
BLACK GS 2B	<170mm³	-20°C to 80°C -4°F to 176°F	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 sample 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 multi-ply carcass: from 250 N/mm (143 PIW) to 1600 N/mm (914 PIW)

For the straight-warp carcass: from 400 N/mm (228 PIW) to 1800 N/mm (1028 PIW)

Number of plies:

For the multi-ply carcass: from 2 to 4 plies

Further configurations are available without ATEX marking.

Width: from 100mm (4inch) to 1650mm (65inch)

Cover:

For BLACK GS 2A (in multi-ply) : 3+1 ; 3+1,5 ; 3+2 ; 4+2

For BLACK SUPER GS 2A (in multi-ply) : from 3+1 to 6+6

For FDA WHITE SUPER GS 2A FLEX/VLE : from 3+1 to 6+6

For BLACK GS 2A FLEX/VLE : from 3+1 to 6+6

	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 WHITE SUPER GS 2A	<200mm³	-25°C to 80°C -13°F to 176°F	Super / SOR	11	500	70	x	2A / DIN K	II 2 Dcu Areas 21-22	x	x
BLACK SUPER GS 2A	<170mm³	-25°C to 80°C -13°F to 176°F	Super / SOR	13	350	70	x	2A / DIN K	II 2 Dcu Areas 21-22		
BLACK GS 2A	<170mm³	-25°C to 80°C -13°F to 176°F	Medium / MOR	13	350	60	x	2A / DIN K	II 2 Dcu 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 6 and 7).

CHARACTERISTICS FOR THE OIL RESISTANCE BELTS (non exhaustive)

Tensile strength: from 250 N/mm (143 PIW) to 1600 N/mm (914 PIW)

Number of plies: from 2 to 4 plies

Width: from 100mm (4inch) to 1650mm (65inch)

Cover thickness: from 1 mm (1/16th) to 6 mm (1/4th)

	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 WHITE SUPER G	<200mm³	-25°C to 80°C -13°F to 176°F	Super / SOR	11	500	70	x			x	x
BLACK SUPER G	<140mm³	-25°C to 80°C -13°F to 176°F	Super / SOR	16	350	66	x				
BLACK G	<150mm³	-20°C to 80°C -4°F to 176°F	Medium / MOR	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 subjected to abrasive or acidic materials (eg: salt, beetroot).

CHARACTERISTICS FOR THE ANTI-ABRASIVE AND ANTI-STATIC BELTS (non exhaustive)

Tensile strength: from 250 N/mm (143 PIW) to 1600 N/mm (914 PIW)

Number of plies: from 2 to 4 plies

Width: from 100mm (4inch) to 1650mm (65inch)

Cover thickness: from 1 mm (1/16th) to 6 mm (1/4th)

For FDA WHITE 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 WHITE S1	<110mm³	-25°C to 80°C -13°F to 176°F	Medium / MOR	12	400	60	x			x	x
FDA WHITE AA	<120mm³	-30°C to 110°C -22°F to 230°F		10	500	60				x	x
BLACK ACID	<150mm³	-20°C to 80°C -4°F to 176°F		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 adhesion to the belt guides and pulleys.

Round baler G-G



Type G-G : two grained sides

- maximum width: 1450 mm (56 inches)
- maximum length: 200 m (7.8 inches)
- weight: 6.84 kg/m² (15lb/m²)
- overall thickness: 5.5 mm (3/16th)

Round baler L-G



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

- maximum width: 1450 mm (56 inches)
- maximum length: 200 m (7.8 inches)
- weight: 6.84 kg/m² (15lb/m²)
- overall thickness: 5.5 mm (3/16th)

Round baler L-R



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

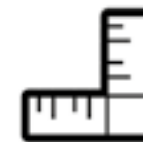
- maximum width: 1450 mm (56 inches)
- maximum length: 200 m (7.8 inches)
- weight: 8.85 kg/m² (19.5lb/m²)
- overall thickness: 7.5 mm (5/16th)

SERVICES



Fast response times 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 vulcanizing (vulcanization kits upon 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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