

**POSITIVELY DRIVEN**  
CONVEYOR BELTS



# CONFIGURATION

HORIZONTAL CONVEYOR



BIDIRECTIONAL CONVEYOR



FLIGHTED AND SIDEWALL CONVEYOR



SWAN-NECK CONVEYOR



TROUGHED CONVEYOR



# ADVANTAGES



Our positive drive homogeneous conveyor belts combine all the **advantages of modular belts and solid conveyor belts without the hygiene issues.**

Made of polyurethane or polyester elastomer, these belts are suitable **for most handling applications** in a variety of industries, particularly in the **food-processing industry.**



## OPTIMIZED OPERATION

- No risk of slippage, even in greasy and humid environments
- Belt operates without tension, reducing the stress on the conveyor's mechanical components: shafts, anti-friction bearings, roller bearing, etc.
- No need for tensioners
- Lightweight
- Silent operation
- High abrasion and tear resistance
- For belts fitted in pairs, the positive drive ensures synchronized operation
- Fully moulded teeth



## OPTIMAL HYGIENE LEVEL

- Fully EC-FDA compliant
- Solid impervious and rot-proof belt
- Labour and water saving
- Resistant to all common food industry chemicals including solvents, oils, greases...
- Suitable for scraper applications



# ADVANTAGES



## REDUCED PRODUCT CONTAMINATION

- Reduced risk of bacterial growth
- No fabric contamination removing the risk of fraying
- No detachable parts
- Reduced contamination risk



## LOWER OPERATING COSTS

- Long service life
- Quick and easy to clean without dismantling
- Significant reduction in water and detergent consumption
- Low maintenance costs



	MODULAR BELT	HOMOGENEOUS CONVEYOR BELT	POSITIVELY DRIVEN CONVEYOR BELT
Hygiene and cleanability	-	+	+
Durability and impact resistance	-	+	+
Lower consumption of water and detergents	-	+	+
No slippage	+	-	+
Belt weight	-	+	+
No belt tensioning system	+	-	+
Reduced stress on conveyor components	+	-	+
Suitable for scraper	-	+	+
Troughing application	-	+	+

# CHARACTERISTICS



Our positive drive belts comply with the **most stringent international standards**, and help maintain an optimal level of hygiene to **meet the HACCP\* requirements**, in the following fields:



Poultry



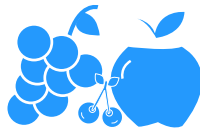
Meat



Fish



Cheese dairies



Fruit



Vegetables



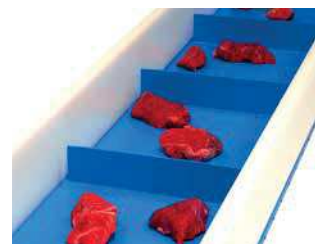
Bakeries- Industrial  
pastry-making



Ready meals



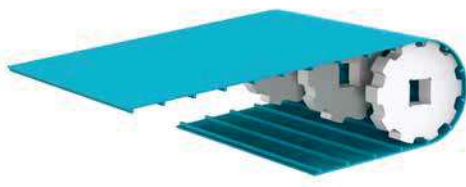
Frozen foods



\*HACCP : Hazard Analysis Critical Control Point



# CHARACTERISTICS



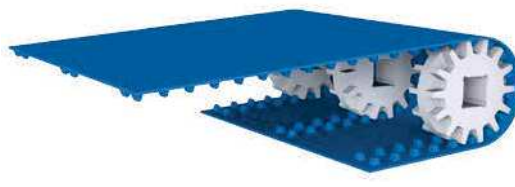
## DEL/DRIVE®

Positive drive

Direct retrofit  
on modular applications

Teeth over the entire width

Operation without tension



## POSITIVEBELT®

Self-tracking positive drive

Perfect tracking

Double rows of teeth

Operation without tension



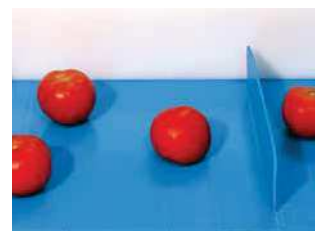
## DEL/SYNC®

Fully synchronous drive

Accurate positioning

Centrally positioned teeth

Tensioned operation





## "THE BELT THAT COMBINES CONVEYANCE AND SYNCHRONOUS DRIVE WITH EXTREME PRECISION"



	010 SERIES			100 SERIES	200 SERIES	
Reference	AG010	AG010R	AG010R+	AG110 R	AG208 R	AG212 R
<b>Material</b>	<b>Polyurethane</b>					
Colour	Blue	Blue	Blue	Blue	Blue	Blue
Top surface	<b>Smooth</b>	<b>Smooth</b>	<b>Smooth</b>	<b>Smooth</b>	<b>Smooth</b>	<b>Smooth</b>
Hardness	80 ShA	85 ShA	85 ShA	95 ShA	95 ShA	95 ShA
Aramid cable reinforcements	NO	YES	YES	YES	YES	YES
Pitch (mm)	10	10	10	10	8	12.7
Teeth WxH (mm)	25x3	25x3	25x4.5	25x3	50x4.5 <sup>(1)</sup>	30x5
Thickness (mm)	1.6	1.6	1.6	2.3	3	3
Max. width (mm)	350	350	350	350	350	350
Min. pulley diameter (mm)	25	40	40	50	65	65
Temperature range	-20°C to +40°C	-20°C to +50°C	-20°C to +50°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Traction force <sup>(2)</sup>	0.3 N/mm	100 daN	100 daN	200 daN	400 daN	400 daN

<sup>(1)</sup> Before 2016 : 30x4.5

<sup>(2)</sup> DEL/SYNC® 010: tension at 1% of elongation/mm of width. DEL/SYNC® 010 R to 212 R: tension at 0.45% of elongation.



The positive drive DEL/SYNC® is a **reinforced solid belt combining conveyance and synchronous drive with extreme precision** and hygiene.

It offers **excellent guidance** thanks to solid moulded teeth and **precise positioning** of the transported products.

The DEL/SYNC® is **reinforced with aramid reinforcements** that eliminate elongation.

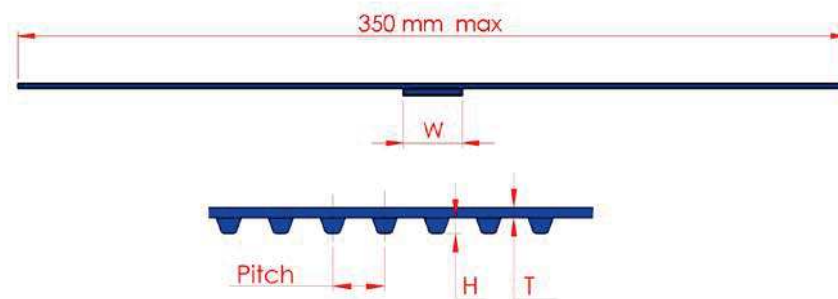
Both the upper and lower surfaces are easy to clean and ensure **optimal hygiene**.

DEL/SYNC® also works with **small pulley diameters**.

Products in the DEL/SYNC® range offer a belt tailored **to different applications**. Consideration should be given to the need for adherence, pulley diameter, loads conveyed, length of conveyor...

A molded studded surface is available on request.

**Synchronous shaped profiles** can be fitted to the belt to ensure accurate indexing of the conveyed products.



## SPROCKETS

REFERENCE	COLOUR	MATERIAL	NUMBER OF TEETH	WIDTH (mm)	PITCH (mm)	OUTER Ø (mm)	Ø OF ROUND SHAFT (mm)	DEL/SYNC® SERIES
PA10BUN12R16	Blue	HDPE	12	33	10	37	16	010 and 100
PA10BUN24R25	Blue	HDPE	24	33	10	74.5	25	010 and 100
PA10BUN36R25	Blue	HDPE	36	33	10	113	25	010 and 100
PA13WUN24R25	White	HDPE	24	38	12.7	94.6	25	200 (except AG208R)
PA13WUN36R25	White	HDPE	36	38	12.7	143.1	25	200 (except AG208R)

Stainless steel sprockets on request.

The minimum pulley diameters are given for minimum temperatures of 15°C.  
Please enquire for any other temperature.



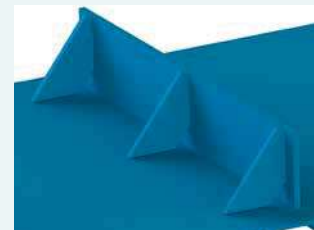
# ACCESSORIES



## PROFILES

- 2 types of profile: rounded and flat.
- The rounded base of the profiles makes belt cleaning easier and avoids bacterial development.
- Profiles can be high-frequency welded.\*
- Flight supports can be used to reinforce the profiles for heavy loads.

\* Except on the DEL/DRIVE® 50H belt and POSITIVEBELT® polyester elastomer, on which the profiles are hot fillet-welded.

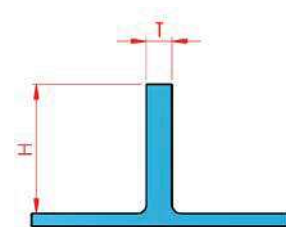


Flight supports

## FLAT PROFILES



T: THICKNESS (mm)	H: HEIGHT (mm)	MAX. WIDTH (mm)	MIN. PITCH (mm)
2	5 to 100	800	70
3	5 to 100	800	70
4	5 to 100	800	70
5	5 to 100	800	70

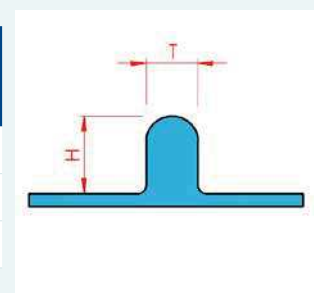


Please enquire for other thicknesses.

## ROUNDED PROFILES



T: THICKNESS (mm)	H: HEIGHT (mm)	MAX. WIDTH (mm)	MIN. PITCH (mm)
6	10	800	70
9	14	800	70
12	18	800	70



## SIDEWALLS

- For better containment of loose products.
- 20 to 80 mm high.
- Lateral trapezoid-shaped guides can be welded.
- The belt pulley diameter should be at least 2.5 times bigger than the height of the sidewalls.



# JOINING METHODS



## BUTT WELDING

With sets of plates adapted for the tables, the welding tools for thermoweldable homogeneous belts can join DEL/DRIVE® 50, DEL/DRIVE® 25 and POSITIVEBELT® end to end while at the same time respecting the spacing.

Easy to handle, easy and quick to joint in the workshop and on site.



REFERENCE	MAX. WIDTH (mm)	WATTAGE (WATT)	VOLTAGE (V)
KITSOUDURED400	400	615	220
KITSOUDURED650	650	900	220
KITSOUDURED1100	1100	1450	220



The welding kit comprises:

- A heater bar
- A welding table
- Instructions
- Accessories
- A plastic case on caster wheels

REFERENCE	MAX. WIDTH (mm)	PRODUCT	VISUAL
PLAQMD400-DD25	400	DEL/DRIVE® 25	
PLAQMD650-DD25	650		
PLAQMD1100-DD25	1100		
PLAQMD400-DD50	400	DEL/DRIVE® 50	
PLAQMD650-DD50	650		
PLAQMD1100-DD50	1100		
PLAQMD400-PO1	400	POSITIVEBELT® PO1	
PLAQMD400-PO	400	POSITIVEBELT® PO2	
PLAQMD650-PO	650		
PLAQMD1100-PO	1100		

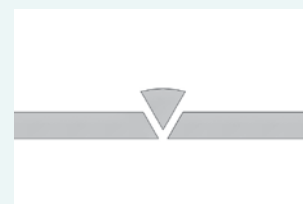
## PRESS JOINTING

Serrated jointing of the DEL/SYNC®.  
Cut with special tooling.  
Compatible 5-bar press – Heating length 180 mm.



## HOT AIR WELDING

Butt welding possible with welding seam.  
Hot air welding also allows welding of profiles and belt repairs in situ in the event of snags.

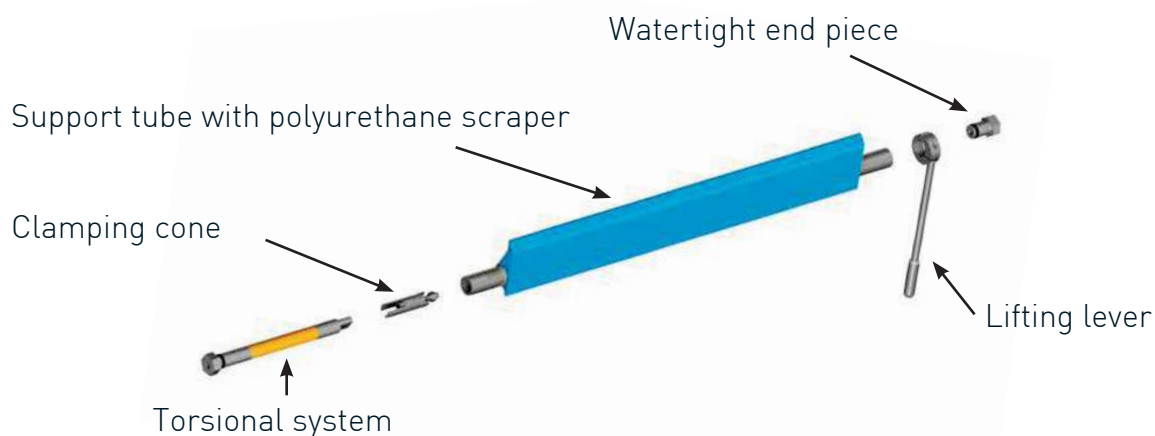


# SCRAPER



The DEL/CLEAN scraper efficiently cleans the belt, ensuring permanent cleanliness of conveyor belts and avoids:

- clogging up the conveyor
- staining conveyed materials
- loss of materials

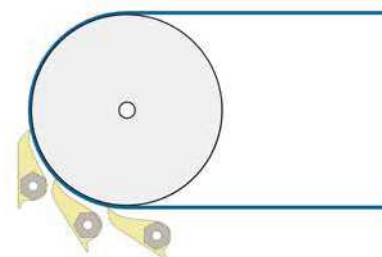


The DEL/CLEAN scraper offers many benefits:

- Small footprint
- No lateral misalignment
- Easy and quick to mount
- Can be adapted to existing or new installations
- Fits all types of conveyor belts
- Easy to clean
- Easier maintenance
- High resistance to hydrolysis: Ether base
- High resistance to abrasion: Ester base



The position of the scraper may vary depending on the need of recover the product.



SCRAPER REFERENCE	TUBE	SCRAPER			TORSIONAL SYSTEM REFERENCE	
	Ø (MM)	Height (mm)	Width (mm)	Colour	Single	Reinforced
NT70-22-W	22	70	300 to 1100	White	ST22-S	ST22-R
NT70-22-B				Blue		
NT100-27-W	27	100	400 to 1500	White	ST27-S	ST27-R
NT100-27-B				Blue		

# APPLICATIONS

