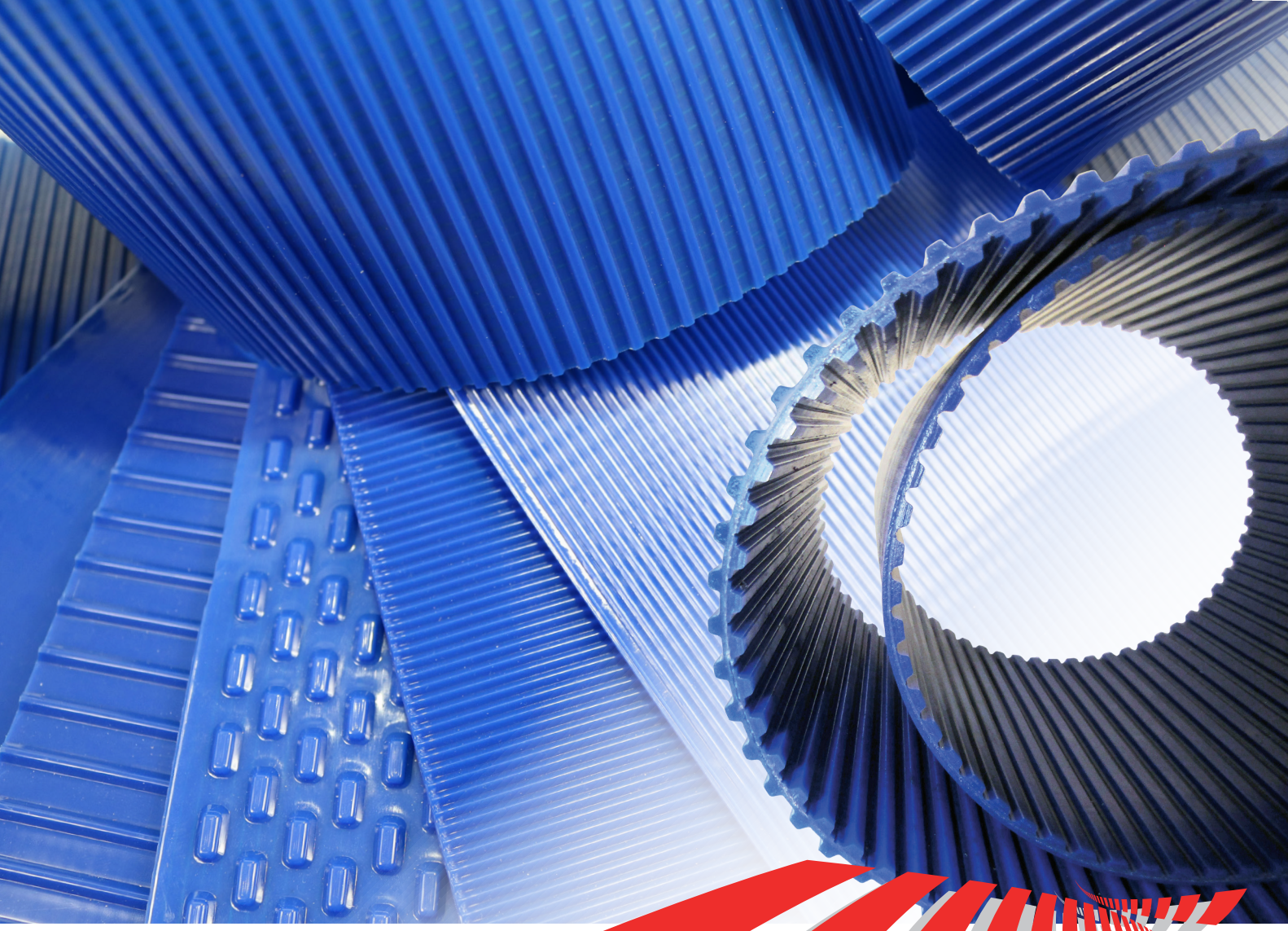


FOOD CONTACT

Timing Belts

MEGADYNE

MEGALINEAR FC

MEGALINEAR FC (Food Contact) is a new range of belts of the **MEGALINEAR** family. Specifically introduced for the food processing industry, **MEGALINEAR FC** is manufactured with food contact approved materials, according to European regulations EU 1935/2004, EU 10/2011 and EU 174/2015. Manufactured in T5/T10 pitch without gap between the teeth and available with a variety of backing profiles, for all kinds of conveying and processing applications. These advanced FDA synchronous belts, have excellent resistance to chemicals and corrosion, certified for wet and dry food contact. Their use is particularly prevalent in a variety of applications in food processing and packaging. The homogenous belt design ensures a significantly greater service life, with a high level of hygienic integrity.

T5

Standard Width (mm)	25	32	50	75	100	150
Width tolerance (mm) +/-	0,25	0,25	0,5	0,5	0,75	0,75

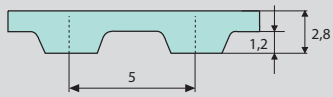
T10

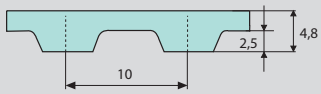
Standard Width (mm)	25	32	50	75	100	150
Width tolerance (mm) +/-	0,25	0,25	0,5	0,5	0,75	0,75

- No risk of slippage, even in greasy and humid environment
- Zero risk of fraying and detaching of back profile
- Used even at the smallest bending diameter, with small drive pulleys
- Standard compound: **dark blue Polyurethane thermoplastic 85 ShA**
- Standard cords: **S and Z torsion Kevlar**

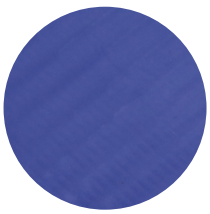
Working temperature -25°C/+80°C

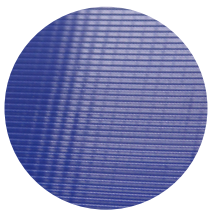
STANDARD SURFACE PROFILE OPTIONS

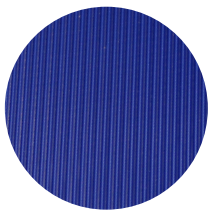


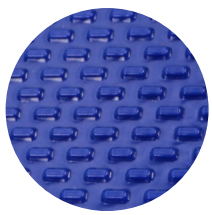


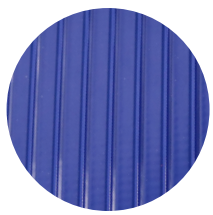
Standard Surfaces	T5 Total Thickness	T5 Profile Height	T5 Roll Length	T10 Total Thickness	T10 Profile Height	T10 Roll Length
Smooth	2,8 +/- 0,3 mm	0 mm	50 m	4,8 +/- 0,3 mm	0 mm	50 m
Longitudinal Ribbed	4,0 +/- 0,3 mm	1,25 mm	50 m	6,05 +/- 0,3 mm	1,25 mm	50 m
Transversal Ribbed	4,0 +/- 0,3 mm	1,25 mm	50 m	6,05 +/- 0,3 mm	1,25 mm	50 m
Noppen Oval	5,2 +/- 0,3 mm	2,1 mm	50 m	7,7 +/- 0,3 mm	2,1 mm	50 m
Roof	Not currently available in T5 pitch			6,2 +/- 0,3 mm	1,7 mm	50 m
Spike Top	4,1 +/- 0,3 mm	1,3 mm	50 m	6,1 +/- 0,3 mm	1,3 mm	50 m

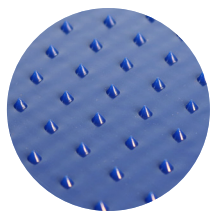

SMOOTH


LONGITUDINAL RIBBED


TRANSVERSAL RIBBED


NOPPEN OVAL


ROOF


SPIKE TOP

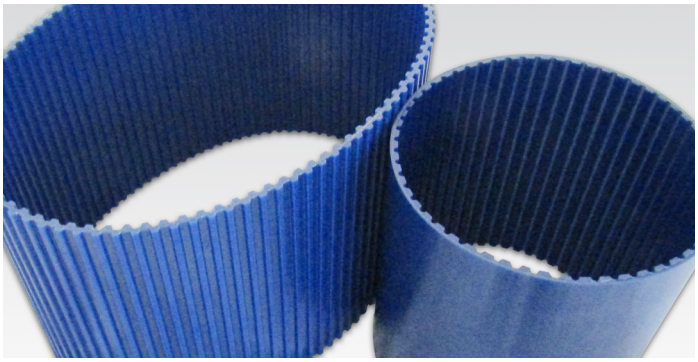
MEGALINEAR FC BELTS WITH CLEATS

For most product handling applications within food processing and packaging our standard Megalinear FC belts with homogenous structure surfaces will do the job, however some applications such as those found in pick and place automation require a belt with special features like cleats for sorting, separation and actuation. Here our smooth FC, no gap belt in T5 and T10 pitch can be customized with cleats to meet your specific need.

- Standard and customized cleats, made with the same elastomer as the base belt can be welded onto the belt.
- In most cases a simple cleat shape will do the job, however more complex shapes can be moulded.

MEGAPOWER FC

MEGAPOWER FC (Food Contact) is designed for power transmission and certain synchronous conveying applications within the food processing and packaging industry where the polyurethane chemistry is beneficial for oily environments and where rigorous wash down procedures are common. Featuring **stainless steel cords** and a food contact compliant **blue polyurethane**, **Megapower FC** is ideal for both wet and dry applications due to good chemical and corrosion resistance in humid and wet environments. **Megapower FC** handles your high acceleration, multi stop/start synchronous food product handling drives with ease.



- Resistance to most cleaning chemicals and humid, wet environments
- High acceleration, synchronizing and multi stop/start
- Designed for wash-down conditions
- Standard compound: **Thermoset PU 88 ShA dark blue** RAL 5002
- Cords: **Z Twisted stainless Steel AISI 304**
- Back profile: on request with additional mould costs
- Thermal working range tollerance (C°): **+/- 5**

Working temperature -25°C/+80°C

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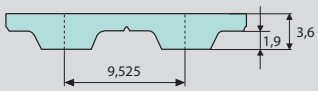
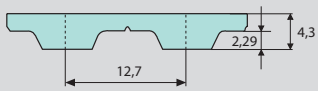
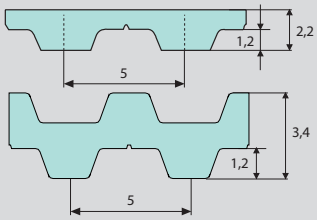
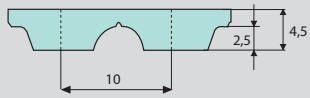
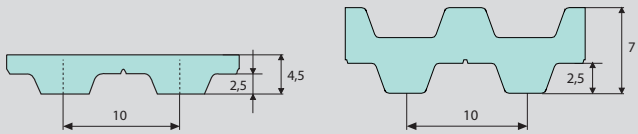
								
STD. BELT WIDTH (mm) (inch)	**12,7 (050")**	**19,1 (075")**	**25,4 (100")**	**19,1 (075")**	**25,4 (100")**	**38,1 (150")**	**50,8 (200")**	**76,2 (300")**
PULLEY WIDTH B2* (mm)	19	25,4	29,7	25,4	29,7	46	59	85
BELT WEIGHT (gr/cm)	0,437	0,661	0,878	0,745	1,059	1,594	2,121	3,194
Standard belt width tolerance: **+/- 0,80 mm**								
Standard sleeve width tolerance: **+/- 10 mm**								
Standard thickness tolerance: **+/- 0,30 mm**								

	T5 -T5 DD							AT10							
															
STD. BELT WIDTH (mm)	**6**	**8**	**10**	**12**	**16**	**20**	**25**	**10**	**12**	**16**	**20**	**25**	**32**	**50**	**75**
PULLEY WIDTH B2* (mm)	12	13	15	17	21	25	30	15	17	21	25	30	37	56	80
BELT WEIGHT (gr/cm)	0,116	0,152	0,194	0,237	0,249	0,390	0,497	0,578	0,707	0,952	1,184	1,469	1,905	3,005	4,344
Standard belt width tolerance: **+/- 0,50 mm**								Standard belt width tolerance: **+/- 0,50 mm**							
Standard sleeve width tolerance: **+/- 10 mm**								Standard sleeve width tolerance: **+/- 10 mm**							
Standard thickness tolerance: **+/- 0,15 mm**								Standard thickness tolerance: **+/- 0,30 mm**							

	T10 - T10 DD							
								
STD. BELT WIDTH (mm)	**10**	**12**	**16**	**20**	**25**	**32**	**50**	**75**
PULLEY WIDTH B2* (mm)	15	17	21	25	30	37	56	80
BELT WEIGHT (gr/cm)	0,494	0,504	0,683	0,861	1,082	1,386	2,174	3,276
Standard belt width tolerance: **+/- 0,50 mm**								
Standard sleeve width tolerance: **+/- 10 mm**								
Standard thickness tolerance: **+/- 0,30 mm**								

*PULLEY FACE WIDTH

Tooth shear resistance and Transmittable power 25 % less of values declared Megapower catalog pitches pages

Megapower FC belts are is manufactured with food contact approved materials and certified according to European regulations EU 1935/2004, EU 10/2011 and EU 174/2015