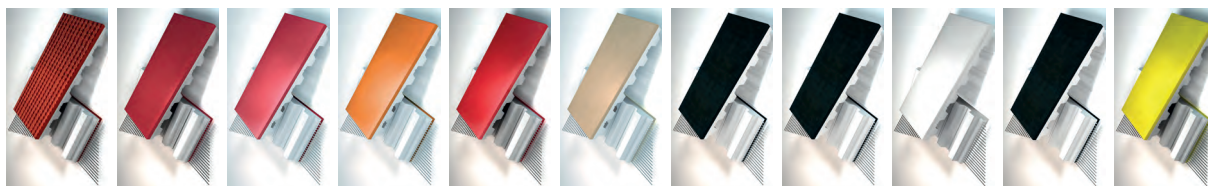


COATINGS AND COVER PROPERTIES

Megapower timing belts can be coated with several materials on the back side to obtain specific properties required (higher friction coefficient, higher abrasion resistance, higher oil resistance, etc.).

	Cover type										
	Honeycomb	Linatex™	Red Natural Rubber 40	Durataq®	Tenax Standard	Gummy Correx ambra parablond	Black Neoprene	NBR	Linaplus FG	Porol Black	PU Yellow, Grey, Red
Raw material	natural rubber	natural rubber	natural rubber	natural rubber	natural rubber	natural rubber	neoprene	nitrile caoutchouc	natural rubber	natural cellular rubber foam	foamed polyurethane
Hardness (ShA)	50	40	40	45	45	48	50 70 (VUC)	50 65-70 (VUC)	38	290 kg/m³	35-40 50 60-70
Colour	red	red	red	orange	red	beige	black	black/white	white	black	yellow/grey/ red
Coating and belt cohesion method	lamination	lamination; vulcanization	vulcanization	vulcanization	vulcanization	vulcanization	vulcanization; lamination	lamination; vulcanization	lamination	lamination	spraying
Thickness range (mm)	4,5 to 15	1 to 10 3 to 12,7 (VUC)	2,4 to 14	2,4 to 14	0,8 to 15	0,8 to 15	3 to 12; 0,8 to 15	2 to 6; 0,8 to 15	1 to 3	2 to 20	1 to 10
Tolerance on coating thickness	+/- 0,5	+/- 1 (*)	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,3	+/- 0,5 +/- 0,3	+/- 1 (*)	+/- 0,5	+/- 0,3
Working temperature range (°C)	-20 +60	-40 +70	-20 +80	-20 +100	-20 +60	-20 +60	-20 +60; -10 +100	-35 +70; 0 +120	-40 +70	-40 +70	-10 +60
Friction coefficient ⁽¹⁾	0,60	0,90	0,50	1,10	0,70	0,60	0,60	0,70 0,60	0,75	1,20	0,40
Water resistance	very good	good	good	good	very good	very good	good	very good ; good	good	very good	fair
Abrasion resistance	very good	good	fair	very good	very good	very good	good	poor; good	fair	fair	very good
Oil resistance	poor	poor	poor	poor	poor	poor	good	good	poor	fair	good
FDA approved	no	no	no	no	no	no	no	no	yes	no	no
Min. pulley dia 5 coating thickness fl ... ⁽²⁾	x 30	x 20	x 20	x 20	x 30	x 30	x 30	x 30 x 35	x 25	x 15	x 25



(1) Static Average values for steel guides

(2) Suggested diameter is bigger value between this calculated value and minimum pulley diameter on belt data page

SPECIAL EXECUTIONS

COLOUR

On customer request and with a minimum quantity is possible to produce Megapower with several colours. Different colour doesn't influence belt technical properties so mechanical features are same as standard grey/green belt.

MECHANICAL REWORK

Megadyne have been producing specialized belting for many years. Our in-house facilities enable us to produce belts with special holes for vacuum applications, belts with special backings/grounds finishes for high tolerance applications. We can remove individual teeth and perforate the timing belt as required.

BACK GRINDING

A belt back can be ground to achieve a precise belt thickness as an adjunct to precision drives. When belt back grinding to a tolerance is required, the total thickness, including the tooth, must be specified. A grinding tolerance of $\pm 0,2$ mm is achievable with a level finish (i.e. thickness will not vary greatly around the belt).

LONGITUDINAL REWORK

Longitudinal rework along the belt back is possible on covered and uncovered belts. The profile can be machined precisely for required function. The measurement is given as the depth on the belt back. Most widths and lengths are available.

REWORK ON BELT TEETH

The rework of the tooth profile can be very useful, i.e. improving the steering effect with guide rails. The rework dimension is given from the top of the tooth.

HOLES IN TIMING BELTS

Holes in timing belts can be for vacuum or air film conveying or as clearance for assembly mechanisms. Stops and cams can be attached through the holes. Customized tooling may be required depending on the layout and dimensions of holes required.

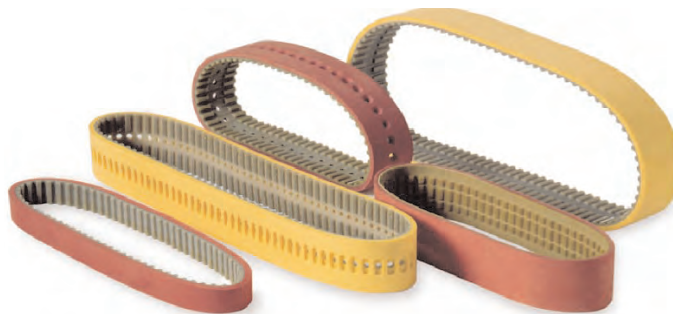
ANTISTATIC\ELECTRICAL CONDUCTIVE BELTS (MEGAPOWER EC)

On customer request and with minimum quantity, it is possible to produce antistatic\electrical conductive Megapower belts complies with ISO 9563 standard, and limited to the following configuration with respect standard belts:

- 89 \pm 4 ShA special grade polyurethane, black colour (RAL 9011 reference)
- Transmittable power and tooth resistance 25 % less of values declared for standard version

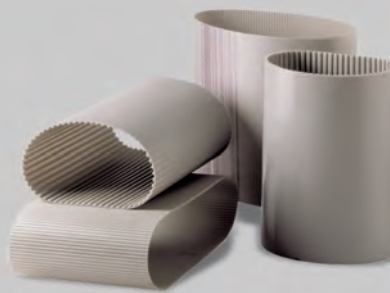
SINGLE TOOTH REMOVAL

Single and multiple tooth removal is available to your requirement, for applications in handling and conveying technology



Belts and sleeves

Customer can choose the right Megapower depending on his business features:
belts are finished and ready to use, while sleeves can be stored and cut at requested width by end-users



Special profiles

Megapower belts can be manufactured on customer request also with pitch
T2, RPP3, RPP8, STD3, MTD5



AT20 for high power

Megapower belts are available also in AT20 pitch, with standard or special cords, to work in very high power transmission applications



Directly moulded special cleats

Special cleats and flat profiles can be directly moulded with the belt, being a part of it and giving higher mechanical characteristics



Tracking belts for lifts

Custom design moulded belt, with high strength capacity and helical special teeth, high coefficient of friction and very low noise level, used as tracking belts in lift applications



SPECIAL EXECUTIONS PHOTOS

Vacuum applications

Megapower belts for vacuum applications, coated with Tenax or other coatings, with ground teeth, holes and slots (perpendicular or sloping) for vacuum transmission



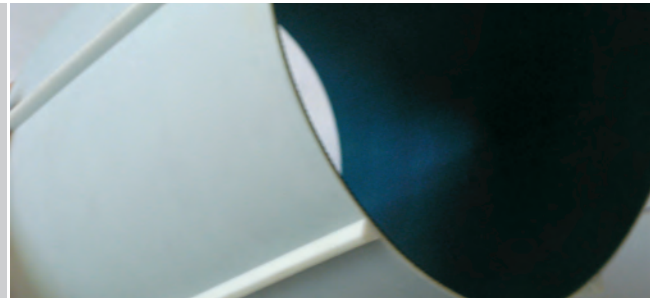
Packing industry

Particular Megapower with directly moulded carriers and pushers, engineered to meet very special customer requests



Special carriers

Megapower customised belt with directly moulded carriers, developed following customer design



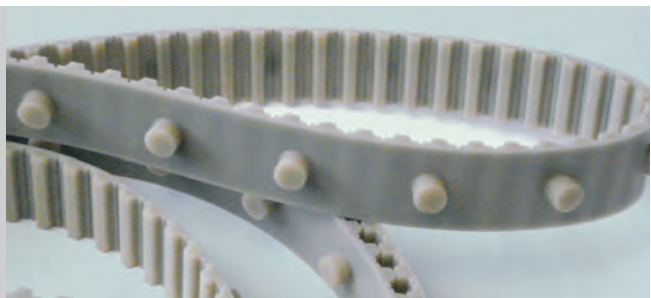
Office automation

Megapower belt with special moulded cleats, typically used in office automation and printing machines



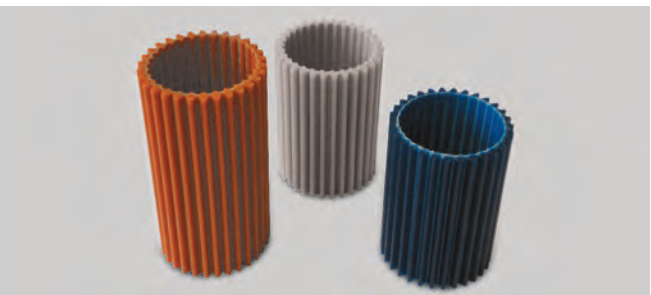
Carding machines

Special moulded belt with cylindrical cleats, used in textile industry



Textile industry

Special moulded belt used in textile industry, manufactured in red or in blue polyurethane



Офіційний дистриб'ютор провідних світових брендів в Україні



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