M.E.C. POLYFLEXOSIL BELT

To transmit more power in less space

Made of polyurethane and with polyamide inserts. It is the idea belt for machine tools and for all the machines that require high speed and a perfect and regular smoothness in a limited space.

Characteristics and advantages of the M.E.C. POLYFLEXOSIL BELT

- Exceptional abrasion resistance
- High modulus of compression
- High friction factor
- Better resistance to environmental agents
- Excellent resistance to fatigue
- Stability of tension
- Perfect smoothness without vibration at high speed
- Reduction of the width of the pulleys
- High transmission ratio
- Long working life of the pulleys with small diameter
- Wide field of use
- Reduction of the costs

Belt sections

Section Code	Rated width
3M	3 mm
5M	5 mm
7M	7 mm
11M	11 mm

The properties of the material

The special blend of polyurethane has special physical properties which are significantly better compared to the most traditional materials usually used in the manufacturing of belts. As well as the excellent fatigue resistance and wear resistance, and the high friction factor, polyurethane also ensures excellent resistance to ozone, oxidation, heat and mineral oils. Polyurethane also allows adhesion on the strands to be improved as the belt is obtained by pressure die casting.

The special ribbing

The typical ribbing obtained by melting on the strands in polyamide ensures a higher transverse stiffness, without reducing the longitudinal bending capacity. The ribbing also helps heat dissipation of the belts during operation.

The section and the angle

The high friction factor given by the polyurethane, enables this belt to adopt the angle of 60°.
This typical angle allows better support of the strands in polyamide for traction and higher and more stable tension. This allows more power to be transmitted with smaller sections.

NOTE:
MEC BELT POLIFLEXOSIL MULTIPLE belts can also be supplied: we do not recommend however, using more than three elements.

M.E.C. POLYFLEXOSIL BELT

SECTION 3M

Type
3M180
3M185
3M190
3M195
3M200
3M206
3M212
3M218
3M224
3M230
3M236
3M243
3M250
3M258
3M265
3M272
3M280
3M290
3M300
3M307
3M315
3M325
3M335
3M345
3M355
3M365
3M375
3M387
3M400
3M412
3M425
3M437
3M450
3M462
3M475
3M487
3M500
3M515
3M530
3M545
3M560
3M580
3M600
3M615

SECTION 3M

Type
3M630
3M650
3M670
3M690
3M710
3M730
3M750

SECTION 5M

Type
5M280
5M290
5M300
5M307
5M315
5M325
5M335
5M345
5M355
5M365
5M375
5M387
5M400
5M412
5M425
5M437
5M450
5M462
5M475
5M487
5M500
5M515
5M530
5M545
5M560
5M580
5M600
5M615
5M630
5M650
5M670

SECTION 5M

Type
5M690
5M710
5M730
5M750
5M775
5M800
5M825
5M850
5M875
5M900
5M925
5M950
5M975
5M1000
5M1030
5M1060
5M1090
5M1120
5M1150
5M1180
5M1220
5M1250
5M1280
5M1320
5M1360
5M1400
5M1450
5M1500
5M1850

M.E.C. POLYFLEXOSIL BELT

SECTION 7M

Type
7M500
7M515
7M530
7M545
7M560
7M580
7M600
7M615
7M630
7M650
7M670
7M690
7M730
7M750
7M775
7M800
7M825
7M850
7M875
7M900
7M925
7M950
7M975
7M1000
7M1030
7M1060
7M1070
7M1090
7M1120
7M1150
7M1180
7M1220
7M1250
7M1280
7M1320
7M1360
7M1400
7M1450
7M1500
7M1550
7M1600
7M1650
7M1700
7M1750

SECTION 7M

Type
7M1800
7M1850
7M1900
7M1950
7M2000
7M2080
7M2120
7M2180
7M2240
7M2300

SECTION 11M

Type
11M710
11M730
11M750
11M775
11M800
11M825
11M850
11M875
11M900
11M925
11M950
11M975
11M1000
11M1030
11M1060
11M1090
11M1120
11M1150
11M1180
11M1220
11M1250
11M1280
11M1320
11M1360
11M1400
11M1450
11M1500
11M1550
11M1600
11M1650
11M1700
11M1750
11M1800
11M1850
11M1900
11M1950
11M2000
11M2060
11M2120
11M2180
11M2240
11M2300