

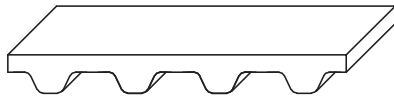
INTRODUCTION TO ENDLESS RUBBER TIMING BELTS

Thanks to their features, Megadyne's Endless Rubber Timing belts can be used in a very wide range of applications like power transmission (or conveyor) such as:

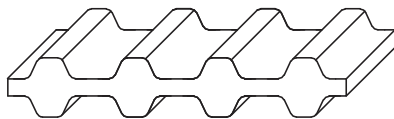
- appliances
- pellet extruder machines
- wood cutting machines
- dobby loom machines
- food mixers
- cooling systems
- radio controlled cars
- power wheelchair
- flexible packaging machines
- carton industry



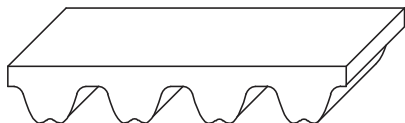
STANDARD RANGE



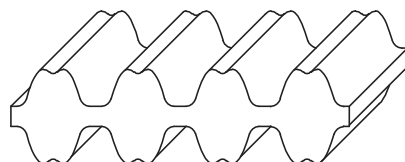
MXL XL L H XH XXH



XL DD L DD H DD



**RPP3 RPP5 RPP8 RPP14 SILVER5 SILVER8 SILVER14
GOLD8 GOLD14**



RPP5 DD RPP8 DD RPP14 DD

CLASSIFICATIONS

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Megadyne's Isoran transmission belts are rubber chloroprene based belts with glass cord suited for a very wide range of application in power transmission field. This type of belts puts together the advantages of gears and V-belts minimizing the drawbacks of both.

These belts allow:

- synchronous transmission
- high and constant angular speeds
- high efficiency
- resistance to peak loads
- low noise transmission
- no lubrication
- no maintenance
- linear speed up to 30 m/s

1) The body is made of high quality chloroprene compound having:

- high fatigue resistance
- high resistance to heat and environmental agents
- good resistance to mineral oils
- total shape keeping by the time

Hardness changes according to the kind of belt:

- 74 ShA for Isoran, Isoran DD, Isoran RPP and Isoran RPP DD
- 90 ShA for Isoran Silver and Isoran Gold

Silver and Gold belts have higher quality and features compound each to get higher performances.

2) Tensile member made of high module fiberglass cords, S and Z twisted, which grant:

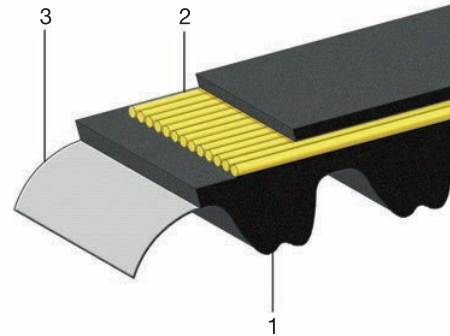
- high breaking strength
- very good resistance to stresses
- no elongation by the time
- very good adhesion with the belt body compound

Gold belts have special high power K-glass cords.

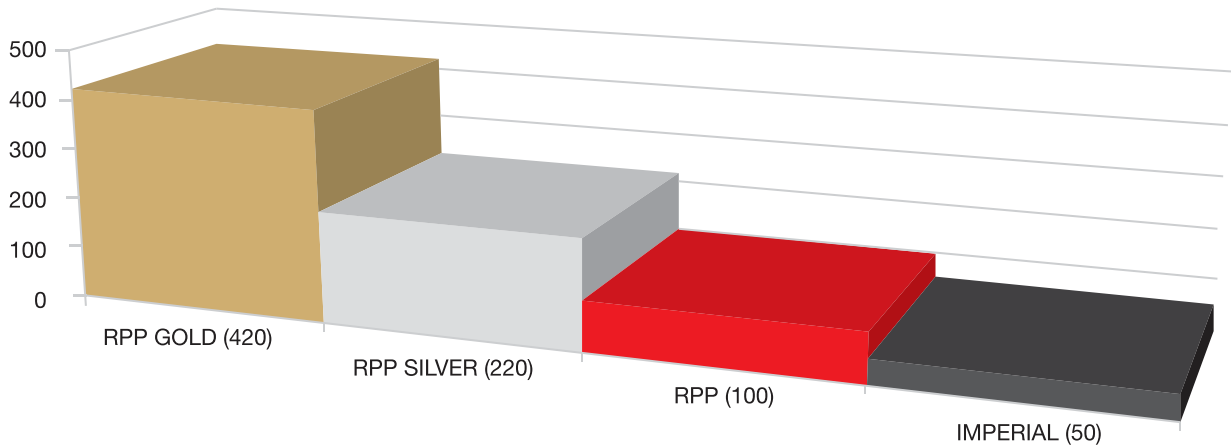
3) Nylon fabric on the teeth treated to improve lubrication during working; this allows:

- extreme abrasion resistance
- low friction coefficient
- high transmission efficiency
- long belt and pulley operational lifetime

Gold belts have two Nylon fabric plies to improve the above features.



PERFORMANCE COMPARISON INDEX



Please consider that the above graph is merely indicative.

COATING

Isoran can be manufactured with special coating on the back side. Please check with our Application Department for more details.

IDENTIFICATION CODE

Using the information in the table below, it is possible to identify the correct belt for every application. The code is composed of letters and numbers as the following examples:

1	+	2	+	3	+	4
1400	+	GOLD	+	14	+	M55
510	+	H	+			075

- 1) This number indicates the pitch length of the belt. The value is in mm for belts with a metric pitch while it's in tenth of inch for the imperial pitches (MXL are the only coded in hundreds of inches).
- 2) This code, composed by letters, indicates the belt profile.
- 3) This number indicates the standard pitch of the belt. It is expressed in mm, and it's used only for belts with a metric pitch.
- 4) This code, composed by letters and numbers, indicates the belt width. The value is in mm for belts with a metric pitch, while it's in hundreds of inches for the belts with imperial pitches.