

Belting for Plastic Pipe, Profile and Tubing Extrusion

Rainbow Rubber & Plastics has been the leading supplier of truly endless Caterpuller belts in North America for over 25 years. Specializing in high wear applications, Rainbow supplies a range of products for the plastic extrusion industry.

Working directly with the end users and original equipment manufacturers, our family of industry specific products have been proven in durability and reliability.

Applications

Rainbow supplies a truly endless belt designed for downstream extrusion equipment. Without seam or splice, our belt has become the industry leader.

Our rubber covers have excellent wear, high abrasion, and are tear resistant. For special applications, rubber compounds are used with heat, and oil resistance. The quality of rubber compound have characteristics which allow Rainbow belts to operate on small pulleys without cracking or separation. Durometer (hardness) can be adjusted between 20 and 80 durometer per the customer's specifications.

- Composite decking
- Extruded profiles
- Medical tubing
- Pipe and tubing
- PVC mouldings
- Vinyl siding



Advantages:

- Truly endless: **No seam or splice**
- Rubber Compounds specifically designed for the extrusion industries
- Cord Structure for low elongation and high tensile strength
- Large Inventory for same day shipments

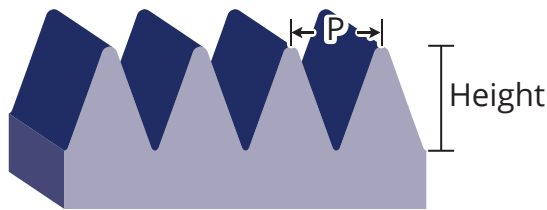
TECHNICAL DATA

Rainbow belts are made as a single piece. The rib sections are machine grooved into the base of the belt after the components have been vulcanized, unlike most belt manufacturers who will glue or vulcanize a rubber cover to a molded base belt.

**Custom ribs can be grooved per the customer's specifications.*

POLY-V SERIES		
Pulley Category	Pitch (p) mm	Minimum Belt Height mm
J	2.34	12.00
L	4.70	14.00
M	9.40	21.50

TIMING BELT SERIES			
Size	Pitch (p) mm	Tooth Thickness mm	Minimum Belt Height mm
L	9.52	1.91	6
H	12.70	2.29	7
XH	22.22	6.35	13
5 M	5	2.1	6
8 M	8	3.4	8
14 M	14	6	12



Pitch and Height rates

TOP RUBBER COVER				
Hardness °ShA	Color	Abrasion resistance*	Grip	Features
20-30	BLACK	•	• • • •	Cushion for delicate extrusions with greater wear characteristics than comparable sponge belting
40-50-60	GRAY	• • •	• • • •	High abrasion and grip. Non - marking rubber
55-65-75	BLACK	• • • •	• • •	Extremely abrasion resistant
55-65	Hypalon White	• • •	• • •	HYPALON: Good oil, chemical and heat resistance - non-marking
70	Nitrile White	• • •	• •	NITRILE: Good oil and heat resistance - non-marking

** Data related to Compounds with comparable Hardness*

Upon request: Excellent abrasion resistance, Nitrile low hardness and FDA compounds