

# HabasitLINK® M5010 Flat Top 2"

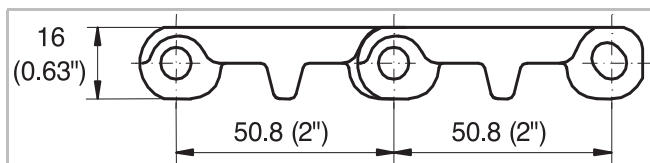
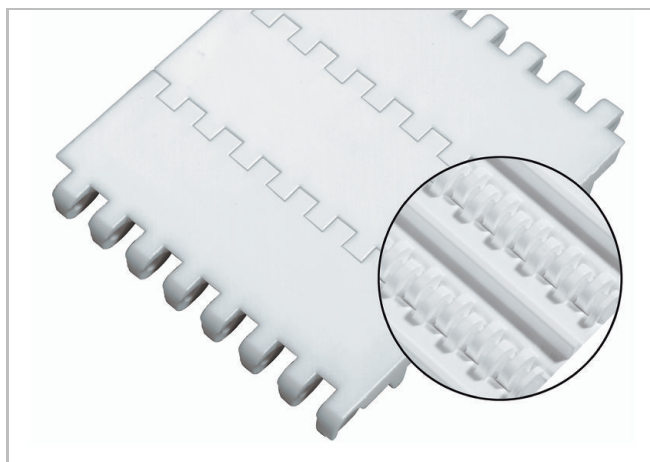


## Description

- 0% open area
- Solid plate
- Open hinge, easy to clean
- Food approved materials available
- Rod diameter 7 mm (0.27")

## Available accessories

- Flights and scoops
- Side guards
- Hold-down devices
- GripTop modules



## Belt data

| Belt material                                   |                   | PP       |          | PE        |           |
|---|-------------------|----------|----------|-----------|-----------|
| Rod material                                    |                   | PP       | PA       | PE        | PA        |
| Nominal tensile strength $F'_N$<br>straight run | N/m               | 18000    | 18000    | 10000     | 10000     |
|   | lb/ft             | 1233     | 1233     | 685       | 685       |
| Temperature range                               | °C                | 5 - 105  | 5 - 105  | -70 - 65  | -46 - 65  |
|   | °F                | 40 - 220 | 40 - 220 | -94 - 150 | -50 - 150 |
| Belt weight $m_B$                               | kg/m <sup>2</sup> | 9.0      | 9.0      | 9.4       | 9.4       |
|   | lb/sqft           | 1.85     | 1.85     | 1.93      | 1.93      |

| Belt material                                   |                   | POM       |           | POM +IM   |           |
|---|-------------------|-----------|-----------|-----------|-----------|
| Rod material                                    |                   | PE        | PA        | PE        | PA        |
| Nominal tensile strength $F'_N$<br>straight run | N/m               | 18000     | 30000     | 18000     | 30000     |
|   | lb/ft             | 1233      | 2055      | 1233      | 2055      |
| Temperature range                               | °C                | -40 - 65  | -40 - 93  | -40 - 65  | -40 - 93  |
|   | °F                | -40 - 150 | -40 - 200 | -40 - 150 | -40 - 200 |
| Belt weight $m_B$                               | kg/m <sup>2</sup> | 13.5      | 13.5      | 13.5      | 13.5      |
|   | lb/sqft           | 2.77      | 2.77      | 2.77      | 2.77      |

| Diameter of idling rollers (minimum) |      | Diameter of support rollers (minimum) |      | Diameter for gravity take-up and center drive rollers (minimum) |      | Backbending radius for elevators without side guards or hold down devices (minimum) |      | Backbending radius for elevators with side guards or hold down devices (minimum) |      |
|--------------------------------------|------|---------------------------------------|------|---|------|---|------|--|------|
| mm                                   | inch | mm                                    | inch | mm  | inch | mm  | inch | mm   | inch |
| 90                                   | 4    | 100                                   | 4    | 150   | 6    | 150   | 6    | 250.0  | 10   |

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

### Standard range of belt widths b<sub>0</sub>

|             |    |     |     |     |     |     |     |     |     |     |     |     |     |      |      |
|-------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| mm (nom.)   | 75 | 150 | 225 | 300 | 375 | 450 | 525 | 600 | 675 | 750 | 825 | 900 | 975 | 1050 | etc. |
| inch (nom.) | 3  | 6   | 9   | 12  | 15  | 18  | 21  | 24  | 27  | 30  | 33  | 36  | 39  | 42   | etc. |

Real belt widths are in most cases 0.1% to 0.3% smaller.

For PE material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

For PP material up to 750 mm (30") -3 mm to 0 mm and -0.3% to 0.1% for wider belts.

For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

**Standard belt widths** in increments of 18.75 mm (0.74"). Smallest possible width 37.5 mm (1.48"). Non-bricklaid belts 37.5 mm (1.48"), 56.25 mm (2.21"), 75 mm (3"), 150 mm (6"), 225 mm (9") and 600 mm (24") wide.

**For detailed material properties** refer to the HabasitLINK® Engineering Guidelines.

**The nominal tensile strength** is valid for 23 °C (73 °F). The admissible tensile force depends on the operating temperature near the drive sprockets. Within the temperature range allowed, the admissible tensile force may vary from 100% to 20% of the nominal tensile strength. For detailed information and correct calculation of effective tensile force refer to the Calculation Guide in the HabasitLINK® Engineering Guidelines.

### Disclaimer

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