# FabLink®-MD50.8.C

**Corrugated Cardbord**
Down Stackers, Corrugator Take Off, Strap Feed

**Lumber Industry**
Lumber Transport

**Snack Food**
Potato Processing

**Fruits and Vegetables**
Bulk Feeding, Elevator, Control Sorting Table, Filling

**Automotive**
Chair Lift-Feader

**Packaging**
Bluk Inclines, Box Transport Horizontal

# FabLink®-MD50.8.C

| | |
|---|---|
| Pitch | 50,8 mm / 2 inch |
| Belt surface | Close, Smooth surface |
| Minimum width | 150 mm / 5.90 inch |
| Open Area (%) | 0% |
| Cleat | No |
| Sidewall | Yes (T50,T100,T150) |
| Pin | Ø 7 mm / 0,275 inch |
| Approved | FDA and EU |
| Curve | No |
| Color | Additional colors available |
| Cleanability | Good |
| Belt thickness | 16 mm / 0,629 inch |

## Product Features and Functional Benefits

Unique sprocket engagement reduces pulsation and increases load capacity.
High power, bi-directional belt for long conveyors.
Unique sprocket engagement – higher product load and longer conveyors.
Strong and thick product supports allow more load without breaking.
Impact resistance to with stand heavy objects falling into the belt.

## Available Moulded Module Sizes

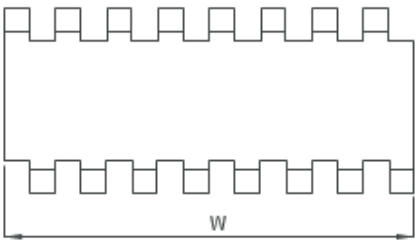
150 mm / 5.90 inch module

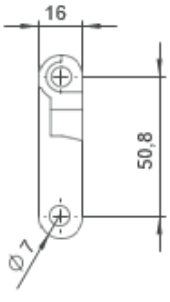
## Technical Information

| BELT MATERIAL | TENSILE STRENGTH | | | | TEMPERATURE | | BELT WEIGHT |
|---|---|---|---|---|---|---|---|
| | Straight | | Curve | | °C / ° F (min.) | °C / ° F (max.) | Kg/m² / lb/ft² |
| | N/mm | lb/ft | N/mm | lb/ft | | | |
| POM (Polyacetal) | 37400 | 2562 | - | - | +5 / +41 | +90 / +194 | 8,7 / 1,78 |
| PE (Polyethylene) | 26400 | 1808 | - | - | -73 / -99 | +66 / +151 | 9,3 / 1,90 |
| POM (Polyacetal) | 66000 | 4522 | - | - | -43 / -45 | +110 / +230 | 13,5 / 2,77 |

## Standard Belt Widths

| WIDTH (W) | | | | BELT WIDTH TOLERANCE (max.) |
|---|---|---|---|---|
| PP-PE | | POM | | |
| mm | inch | mm | inch | |
| 150,0 | 5,91 | 150,0 | 5,91 | ± 0,5 mm |
| 225,0 | 8,86 | 225,0 | 8,86 | ± 2 mm |
| 300,0 | 11,81 | 300,0 | 11,81 | ± 2 mm |
| 375,0 | 14,76 | 375,0 | 14,76 | ± 2 mm |
| 450,0 | 17,72 | 450,0 | 17,72 | ± 3 mm |
| 525,0 | 20,67 | 525,0 | 20,67 | ± 3 mm |
| 600,0 | 23,62 | 600,0 | 23,62 | ± 3 mm |
| 675,0 | 26,57 | 675,0 | 26,57 | ± 3 mm |
| 750,0 | 29,53 | 750,0 | 29,53 | ± 4 mm |
| 825,0 | 32,48 | 825,0 | 32,48 | ± 4 mm |
| 900,0 | 35,43 | 900,0 | 35,43 | ± 4 mm |
| 975,0 | 38,38 | 975,0 | 38,38 | ± 5 mm |
| 1050,0 | 41,34 | 1050,0 | 41,34 | ± 5 mm |
| 1125,0 | 44,29 | 1125,0 | 44,29 | ± 5 mm |

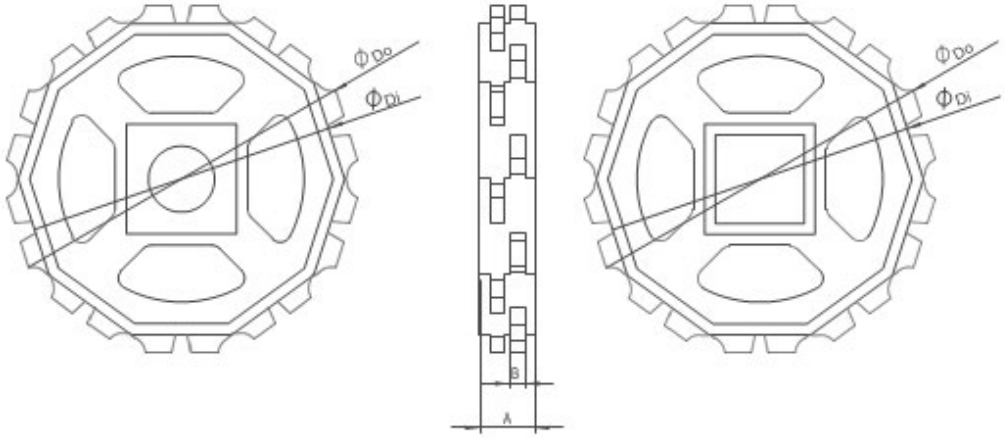



- Standard belt increments 75mm
- Non-standard belt increments 18,75mm
- Please contact with customer service for precise belt measurements

## Sprockets and Technical Specifications

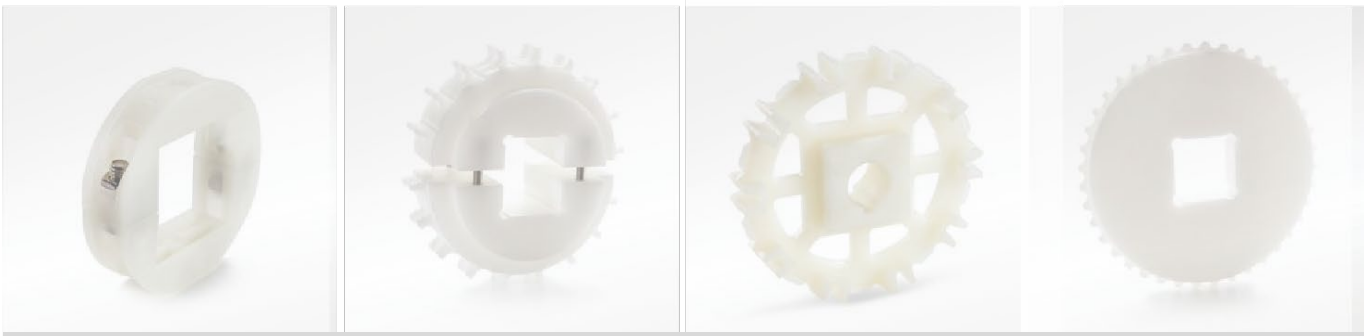



## Standard Sprocket Dimensions

| NUMBER OF TEETH | Di mm / inch | Do mm / inch | B mm / inch | A mm / inch | Square Bore (Q) mm / inch | Round Bore (R) mm / inch | PRODUCT CODE | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Square Type (Q) | Round Type (R) |
| Z8 | 107,37 / 4,23 | 127,35 / 5,01 | 7 / 0,27 | 40 / 1,57 | 40 / 1,5 | 25-30 / 1-1.25 | FL-MD-508SQZ8 | FL-MD-508SQZ8 |
| Z10 | 141,27 / 5,56 | 160,14 / 6,30 | 7 / 0,27 | 40 / 1,57 | 40-60 / 1,5-2,5 | 25-30 / 1-1.25 | FL-MD-508SQZ10 | FL-MD-508SQZ10 |
| Z12 | 174,71 / 6,87 | 193,24 / 7,61 | 7 / 0,27 | 40 / 1,57 | 40-60 / 1,5-2,5 | 25-30 / 1-1.25 | FL-MD-508SQZ12 | FL-MD-508SQZ12 |

- Other sprockets and hub sizes are manufactured upon request
- POM (Polyacetal) and PP (Polypropylene) sprockets are available upon request
- Machined split sprockets are available for each size



| Clamp | Machines Split Sprocket | Moulded Sprocket | Machines Sprocket |
|---|---|---|---|

## Accessories and Technical Specifications

| CLEATS AND SIDEWALLS | | | | |
|---|---|---|---|---|
| Product code | Cleat Height (mm / **inch**) | Cleat Width (mm / **inch**) | Product code | Sidewall Height (mm / **inch**) |
| MD.50.8.T50 | 50 / 2 | 150 / 5,9 | - | - |
| MD.50.8.T100 | 100 / 4 | 150 / 5,9 | - | - |
| MD.50.8.T150 | 150 / 6 | 150 / 5,9 | - | - |

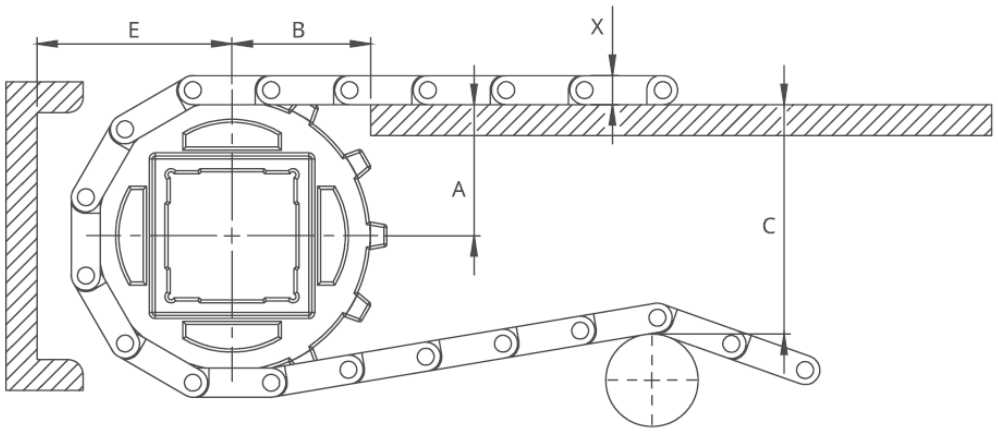
| POSSIBLE CLEAT FREE ZONE | Z | |
|---|---|---|
| | mm | **inch** |
| Standard, module cutting | 37,5 | 1,48 |
| Standard, module cutting | 56,0 | 2,20 |
| Standard, no module cutting | 75,0 | 2,95 |
| Standard, module cutting | 112,5 | 4,43 |

Non-standard cleat is upon request.

## Engineering Information

A - ± 0,031" ( 1mm )
B - ± 0,125" ( 3mm )

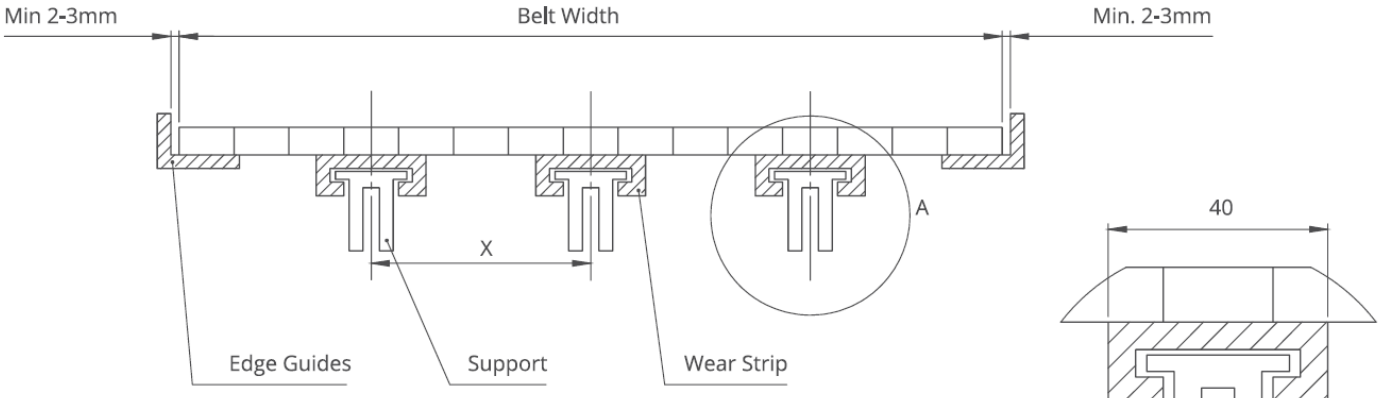
C - ± ( Max.)
E - ± ( Min. )




## Conveyor Frame Dimensions

| SPROCKETS DESCRIPTION | | | A | | B | | C | | E | | X | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pitch Diameter | | Number of teeth | Range (Bottom to Top) | | inch | mm | inch | mm | inch | mm | inch | mm |
| inch | mm | | inch | mm | | | | | | | | |
| 2.32 | 59,0 | 8 | 1,17 | 29,8 | 1,44 | 36,5 | 1,94 | 49,3 | 1,91 | 48,6 | 0.35 | 8,8 |
| 2,99 | 76,0 | 10 | 1,47 | 37,0 | 1,69 | 42,9 | 2,57 | 65,4 | 2,21 | 56,2 | 0.35 | 8,8 |
| 3,59 | 91,2 | 12 | 1,79 | 45,5 | 1,86 | 47,3 | 3,19 | 81,1 | 2,53 | 64,3 | 0.35 | 8,8 |
| 4.65 | 118,0 | 15 | 2,22 | 56,3 | 2,13 | 54,1 | 4,15 | 105,3 | 2,96 | 75,1 | 0.35 | 8,8 |
| 5.67 | 144,0 | 18 | 2,71 | 69,0 | 2,31 | 58,7 | 5,16 | 131,0 | 3,45 | 87,8 | 0.35 | 8,8 |

## Slider Support System for Straight Running Belts



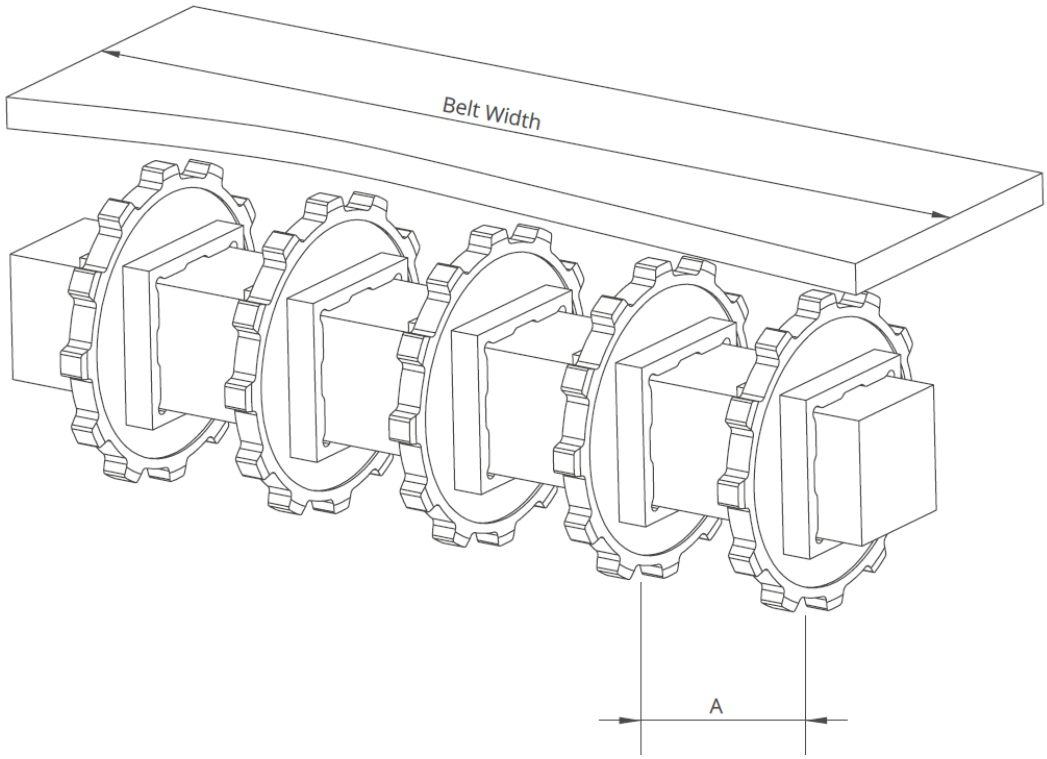




Detail A
Scale 1:1

Note: The max. distances between the wear strips have to be ( X ) ;

125 mm for 2" belts
80 mm for 1" / 0.5" belts




## Sprockets Arrangement

| Standard Belt Width | | Number of sprockets per shaft | | A (mm/inch) | |
|---|---|---|---|---|---|
| mm | inch | Drive Shaft | Return Shaft | Min. | Max. |
| 152,4 | 6,0 | 2 | 2 | 60 / 2,36 | 170 / 6,6 |
| 228,6 | 9,0 | 2 | 2 | 60 / 2,36 | 170 / 6,6 |
| 304,8 | 12,0 | 3 | 2 | 60 / 2,36 | 170 / 6,6 |
| 381,0 | 15,0 | 4 | 3 | 60 / 2,36 | 170 / 6,6 |
| 457,2 | 18,0 | 5 | 3 | 60 / 2,36 | 170 / 6,6 |
| 533,4 | 21,0 | 5 | 3 | 60 / 2,36 | 170 / 6,6 |
| 609,6 | 24,0 | 6 | 3 | 60 / 2,36 | 170 / 6,6 |
| 685,8 | 27,0 | 6 | 4 | 60 / 2,36 | 170 / 6,6 |
| 762,0 | 30,0 | 7 | 4 | 60 / 2,36 | 170 / 6,6 |
| 838,2 | 33,0 | 7 | 4 | 60 / 2,36 | 170 / 6,6 |
| 914,4 | 36,0 | 8 | 4 | 60 / 2,36 | 170 / 6,6 |
| 990,6 | 39,0 | 8 | 5 | 60 / 2,36 | 170 / 6,6 |
| 1066,8 | 42,0 | 9 | 5 | 60 / 2,36 | 170 / 6,6 |
| 1143,0 | 45,0 | 9 | 5 | 60 / 2,36 | 170 / 6,6 |
| 1219,2 | 48,0 | 10 | 5 | 60 / 2,36 | 170 / 6,6 |
| 1295,4 | 51,0 | 10 | 6 | 60 / 2,36 | 170 / 6,6 |
| 1371,6 | 54,0 | 11 | 7 | 60 / 2,36 | 170 / 6,6 |
| 1447,8 | 57,0 | 11 | 7 | 60 / 2,36 | 170 / 6,6 |
| 1524,0 | 60,0 | 12 | 7 | 60 / 2,36 | 170 / 6,6 |
| 1600,2 | 63,0 | 12 | 8 | 60 / 2,36 | 170 / 6,6 |
| 1676,4 | 66,0 | 12 | 8 | 60 / 2,36 | 170 / 6,6 |
| 1752,6 | 69,0 | 13 | 8 | 60 / 2,36 | 170 / 6,6 |
| 1828,8 | 72,0 | 14 | 9 | 60 / 2,36 | 170 / 6,6 |
| 1905,0 | 75,0 | 14 | 9 | 60 / 2,36 | 170 / 6,6 |
| 1981,2 | 78,0 | 15 | 10 | 60 / 2,36 | 170 / 6,6 |
| 2057,4 | 81,0 | 15 | 10 | 60 / 2,36 | 170 / 6,6 |

Note: number of sprockets depends on belt load